inches
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BRITISH COLUMBIA GEOLOGICAL SURVEY

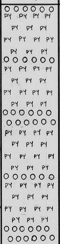
842157

SAMPLE NO.S: 116268H-116275H

CHEVRON CANADA RESOURCES

HOLE No. WS-85-02	**PROJECT** M577	**PROPERTY** WAYSIDE	**STARTED** 85-07-12 **FINISHED** 85-07-17
COORDINATES **N:** 5635235.0 N **E:** 511856.0 E	**AZ.:** 273.0° **EL.:** 681.0m	**DIP-COLLAR:** -70.0° **ACID DIP TESTS:** NO TESTS AVAILABLE	**T.D.** 221.60m **LOGGED BY:** MDM

⁘	OVERBURDEN	o o o o o o	GREENSTONE	▲ ▲ ▲ ▲ ▲	BRECCIA
b b b b b	BASALT	v v v v v	VOLC. FLOWS	⋇ ⋇ ⋇ ⋇ ⋇	STOCKWORK
◊ ◊ ◊ ◊ ◊	DYKE	— — — —	CHERT	Q Q Q Q Q	SILICIFIED
x x x x x x x	GRANITE	^ ^ ^ ^ ^	DIORITE	D D D D D	DOLOMITIZED
☰	ARGILLITE	s s s s s	SERPENTINITE	bx (d)	breccia (ted)
▦	LIMESTONE	⩘⩘⩘	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



REMARKS m		% 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 CASING: overburden.								0					
3.05 MASSIVE TO BANDED SULPHIDES: In dark green to khaki, fine grained greenstone. Disseminated pyrite to 85%, in massive sections. Massive bands to 80cm - possible sedimentary origins; dip 32°. Pyrite disseminated throughout to 15%, typically in cubic crystals. Pyrite also in veins to 3cm, dip 28°. Usually associated with silicified zones. Blebby red hematite to 2%, associated with pyrite-quartz veins. Rare 1m sections with ~5% pyrite as cores in amygdoloidal quartz blebs to 8mm. Strong, pervasive pale grey clay alteration in some sections. Occasional quartz-calcite veins to 1cm, dip 55-60°, and have pale orange stringers and weak pervasive ankerite alteration up to 10cm either side. Quartz amygdoloidal. Weakly crackled. Limonite on fractures in upper 2m. Pyrite possibly 40% sedimentary. Previously split: 3.05-3.25m, 7.68-8.23m, and 9.00-9.25m								3.05 77 5.18 101 6.71 99 8.23 100 11.28					
10.0													

20.0

19.97 - 20.13m; Previously split.

20.13

MISSING: Core not available for logging.

25.78

ALT'N ZONE: 1-2cm Quartz-carbonate veins with pale orange ankeritic stringers, and weak pervasive ankerite alt'n to 10cm each side. 3cm Qz ± cc vein at 29.57m dips 42°, and has aspy needles in F.W. No pyrite in vein. 2cm fault breccia is H.W. to vein, with trace spotty mariposite. 29.06 – 29.87

30.0

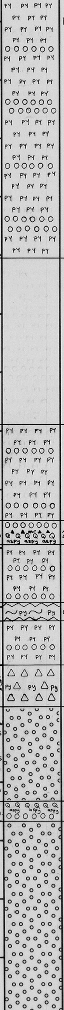
FAULT ZONE: Conc'd at 31.95m and 32.45m. Dips 30°. Pervasive pale grey clay gouge. Diss. to patchy pyrite. Moderately friable. 31.85 – 32.49

CONGLOMERATE: possible fault bx. Dark grey, fine grained matrix, 75%. Subangular silica - 30%, greenstone - 60%, massive py - 10%. fgms. 1-2mm, and 8-15mm. Dissem. py throughout. QV at 35.43m dips 50°. UC and LC dip 65°. 34.02 – 35.45

GREENSTONE:
Medium to dark green. Fine grained. Uniform texture. Crackled. Dark green chloritic flecks scattered throughout. Pale green, weakly calcareous blebs to 5mm, scattered locally to 2%. Minor quartz and quartz-calcite veinlets dip 40-45°. Chloritic fractures. Pyrite locally as stringers to 1.5%; associated with quartz veinlets and trace red hematite blebs. Rare pale green epidote envelopes to quartz stringers. Trace pyrrhotite. 35.45

ALT'N ZONE: Pervasive pale brown ankerite alt'n. F.W to 4cm Qz vn at 38.66m. Vein has dark grey bands and trace aspy. Dips 50°. Qz stockwork to 38.89m. Trace pyrite. NO H.W. alteration. Strongly crackled to brecciated. 38.66 – 39.36

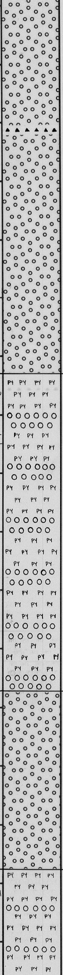
40.0



– 20.13	1.5	70	5.0	0.4		
25.78 – 29.06	1.5	70	5.0	0.4		
29.06 – 29.87	2.5	2.0		2.5	0..05	
29.87 – 31.85	1.5	70	5.0	0.4		
31.85 – 32.49	0.1	10	12			
32.49 – 34.02	1.5	70	5.0	0.4		
34.02 – 35.45	2.0	15				
35.45 – 38.66	0.3	0.05		0.3		1.5
38.66 – 39.36	7.0	0.05		2.0		

99
12.80
103
14.33
101
15.85
99
17.37
100
18.90
100
20.13
0
25.78
100
26.52
102
29.57
101
35.36
95
41.76
97
44.81

29.54	116268 H	29.87	0.33/101	1390	980	–
31.85	116269 H	32.49	0.64/101	30	<5	–
34.02	116270 H	34.64	0.62/101	15	<5	–
34.64	116271 H	35.45	0.81/100	55	<5	–
38.66	116272 H	39.36	0.70/95	110	10	–



95

47.85

0.3 0.05 0.3 1.5

50.0

50.26m; 5cm breccia band dips 60°. Same as 34.02-35.45m.

103

53.95

100

57.00

98

58.61

SULPHIDE-RICH ZONE: Dark grey to brown, similar to main unit. Pyrite as disseminated cubic crystals, in patches or pods to 3cm, in stringers and veinlets to 1cm, and in massive bands to 50cm. Bands are rare. Massive sections have pervasive pale grey clay alteration. Occasional silicified zones with blebby red hematite to 0.5% locally, and 5-10% pyrite. Banding dips 68°, veins dip 70°. Pale orange limonite on some fractures. Rock is crackled and locally weakly brecciated. UC dips 60°. Previously split: 58.61-61.91m, and 68.32-64.40m.

60.0

60.05

97

63.09

0.3 65 5.0

97

68.28

69.46

99

70.0

70.71

95

71.32

0.3 0.05 0.3 1.5

100

74.37

75.57

SULPHIDE-RICH ZONE: similar to 58.61-69.46m. Pyrite in massive bands to 10cm, and veinlets to 2cm; dip 20-30°. Disseminated to interstitial in cubic crystals to 2mm. Rare siliceous sections with quartz and pyrite stringers, and trace blebby red hematite. Strongly crackled. Pale grey clay alteration increases with sulphide content. 1cm pale grey clay gouge at 75.65m; possible fault dips 52°. Previously split: 77.62-80.45m.

98

77.42

0.3 70 5.0

94

80.0

INTERMEDIATE DYKE: Dark muddy-green. Extremely fine grained. Slightly interfingered with greenstone at contacts. Massive texture. Rare calcite veinlets dip 45°. Trace pyrite at footwall contact. chloritized. 80.45

MASSIVE SULPHIDE ZONE: Tan-grey colour. Fine grained. 85% massive pyrite, as fine crystals. Occasionally shows weak foliation; dips 18-25°. Foliation evident in alignment of quartz amygdoules, pyrite stringers, limonite stringers and pale grey clay stringers. Clay is almost white on fractures and split surfaces. Weakly crackled. Pyrite rarely in veins and pods, but typically in massive injections to 1.5m. Previously split: 83.66-89.26m. 83.31

SULPHIDE-RICH ZONE: Dark grey to khaki, fine grained. Pyrite dominantly in stringers and veins, but occasionally in massive bands to 20cm; dips 25°. Moderately crackled and occasionally brecciated. Pyrite in brecciated zones as blebs and stringers. Pale grey to orange-white pervasive clay; increases with pyrite content. Clay is limonitic on fractures. Trace blebby red hematite in siliceous veins and patches. 89.26

90.0

96.24m; 1cm clay gouge within 3cm pyrite vein, dips <10°. Possible fault. Similar situation at 96.45m; dips 30°.

98.70m; Pyrite decreases to 7%, as pods, blebs, and stringers. Previously split: 98.70 - 102.07m

100.0

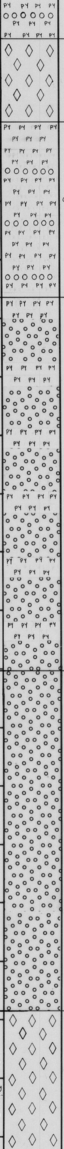
GREENSTONE: Similar to main unit, but with irregular stringers and veinlets of fine to blebby pyrite to 1cm. Pyrite is associated with quartz stringers. Quartz + calcite veins dip 30°. 102.07

106.75 - 108.23m; Previously split.

110.0

113.20 - 113.70m; previously split.
113.60m; 10cm ankerite alteration, HW to felsic dyke.

FELSIC DYKE: Pale beige, fine grained. Pale orange blebs to 2mm and 2%, rarely with pyrite cores. Also blebby pyrite to 1%. Dark green chloritic "stripes", <1mm, dip 35-50°. Occasional pale orange, ankeritic altered, quartz-calcite veinlets ≤1cm, dip 28° and 58°. Rare white blebs could be feldspar phenocrysts. 2cm pale grey clay gouge at 113.94m, dips 56°; possible fault. Minor quartz stockwork in bottom 25cm of interval. UC dips 43°, LC dips 45°. 113.70



80.45		0.05		0.2		1.5
83.31	0.3	85	6.0			
89.26	0.3	35	3.0			
102.07	0.4	2.0		0.2		
113.70	1.8	1.2	0.05	3.0		1.5

79.55
107
81.38
96
84.43
98
87.48
99
90.53
100
99.67
97
103.94
102
106.98
99
108.81
100
111.86
97
114.91
95
117,35

120.0

GREENSTONE: Same as main unit, but increase in quartz veining to 3% and 2.5cm; dip 45-50°. Pale orange ankeritic selvages to veins, ≤1mm. Also 40cm F.W. alt'n to felsic dyke above. Pale brown ankerite, minor pyrite, moderately crackled. 120.58 – 122.30

123.53-124.46m; Local irregular pyrite stringers to 10%. Associated with quartz veinlets dipping 50°.

FAULT WITH QUARTZ VEIN: 126.87 – 127.75
Pale grey-brown. Fine grained. Fault at 127.05m, with 2cm clay gouge; dips 35°. 15cm ankerite HW alt'n; minor pyrite. FW to fault is 2cm banded quartz vein in broken rock; Dips 60°. Minor aspy + py. Ankerite FW alt'n with weak qz stockwork and aspy. Vein is at 127.45m. Rock is strongly crackled and weakly brecciated.

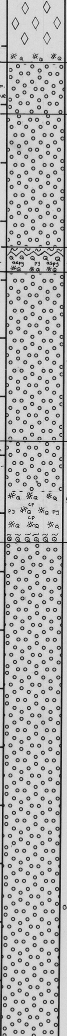
130.0

127.75-131.06m; increase in crackled and brecciated textures.

ALTERATION ZONE: Tan to muddy green. Fine grained. Alt'n to quartz stockwork, 135.38-136.96m. Veins dip 42-50°, and have strong ankeritic envelopes. Trace blebby chalcopyrite, and stringer to dissem. pyrite, with quartz. 3cm quartz vein at 136.88m has clay gouge on HW; possible fault, dips 50°. Strongly crackled. 133.52 – 136.96

140.0

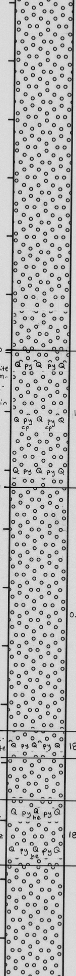
150.0



120.58 – 122.30	3.0	0.1		1.0	
122.30 – 126.87	0.3	0.05		0.3	1.5
126.87 – 127.75	5.0	1.5	2.0	2.0	
127.75 – 133.52	0.3	0.05		0.3	1.5
133.52 – 136.96	5.0	1.0	0.01	2.0	
136.96 –	0.3	0.05		0.3	1.5

99
120.40
101
123.44
106
125.58
81
127.10
70
128.32
103
130.15
92
133.20
94
135.64
101
137.77
107
139.29
98
142.35
91
145.39
97
148.44
102
151.49
98

126.87 – 127.75	116273H	0.88/73	7595	4280	–
135.38 – 136.14	116274H	0.76/99	205	75	–
136.14 – 136.96	116275H	0.82/101	505	140	–



160.0

165.90 GREENSTONE: Similar to main unit, but with sections of dark grey silica-flooded, pyrite-rich rock. Pyrite as stringers, interstitial, and disseminated. Rare fine chalcopyrite stringers. Strongly crackled. Pyrite also with occasional quartz stringers in unaltered rock.
Previously split: 166.25 - 170.18m.
Sample "RMD 10/07" at 168.07m.

170.0

170.57

178.91 GREENSTONE: Similar to main unit, but with grey, silica flooded, pyrite-rich lenses to 20cm. Interstitial pyrite to 20% in silica lenses, and as blebs throughout. Abundant qz stringers with dissem. py also. 5cm Qz-cc vn at 179.83m, dips 58°. Rock strongly crackled.

179.83

180.0

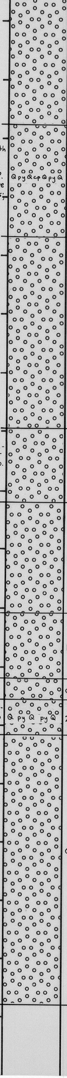
181.31 GREENSTONE: Similar to main unit, but with darkgrey silica flooded lenses with 15% interstitial to stringer pyrite. Trace hematite with quartz. Pyrite also dissem. in individual quartz veinlets. Similar to 178.91 - 179.83m

183.54

165.90 - 170.57	12	8.0				1.5
170.57 - 178.91	0.3	0.05		0.3		1.5
178.91 - 179.83	18	7.0		1.0		1.5
179.83 - 181.31						
181.31 - 183.54	18	6.0		0.3		1.5

154.53
96
157.58
95
166.42
121
167.34
79
168.86
96
174.96
98
178.00
100
181.05
97
184.10
93
185.62
98
186.84

190.0



GREENSTONE: Similar to main unit, but strongly chloritized, with black chloritic stringers throughout. Disseminated pyrite in thin bands with dark grey silica injections, and blebby to disseminated throughout. Rare 1cm sulphide veins dip 35°. Trace blebby chalcopyrite. Texture variable throughout. Sharp contacts; UC dips 45°, LC dips 15°. 191.53

Strongly fractured; 194.75-195.36m
Previously split: 191.53-193.81m.

195.36

200.0

GREENSTONE: Similar to main unit, but with abundant pale grey quartz veinlets to 1cm, with associated blebby to stringer pyrite. Minor disseminated pyrite throughout, also. Stringers dip ~15° and ~40°. 201.87

204.39

GREENSTONE: Similar to main unit, but with abundant pale green epidote as envelopes to dark grey quartz stringers and mm pyrrhotite stringers. Envelopes to 4cm. Stringers dip 35-45°. Epidote also in pale green blebs to 4mm; <1%. 209.15

210.0

210.38

GREENSTONE: Similar to main unit, but with abundant pale grey, strongly crackled silica lenses and veinlets to 50%. Pyrite as interstitial stringers and large blebs within these siliceous zones, to 10% locally. Py also dissem. throughout. 211.10

212.33

220.0

END OF HOLE 221.59

191.53–195.36	2.5	5.0				3.0
195.36–201.87	0.3	0.05		0.3		1.5
201.87–204.39	2.5	2.0		0.3		1.5
204.39–209.15	0.3	0.05		0.3		11.5
209.15–210.38	1.5	0.05		0.3		11.5
210.38–211.10	0.3	0.05		0.3		11.5
211.10–212.33	25	7.0		0.3		11.5
212.33–221.59	0.3	0.05		0.3		11.5

90
190.50
95
193.55
108
195.68
93
197.82
100
200.86
95
203.30
100
206.35
100
209.40
101
212.45
96
215.49
100
218.54
93
221.59