841415 Wayside
85-6

SAMPLE NOS: 113357H - 113361H

CHEVRON CANADA RESOURCES

HOLE No. WS - 85 - 06	**PROJECT** M577	**PROPERTY** WAYSIDE	**STARTED** **FINISHED**
COORDINATES **N:** 5635390.0 N **E:** 511686.0 E	**AZ.:** 270° **EL.:** 751.0m	**DIP-COLLAR:** -80.0° **ACID DIP TESTS:** NO TESTS AVAILABLE	**T.D.** 233.17m **LOGGED BY:** MDM

· · · · ·	OVERBURDEN	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		
▦	LIMESTONE	﹏﹏	FAULT		
▨	DOLOMITE	∼ ∼	GOUGE		

bx (d)	breccia (ted)
fgm (s)	fragment (s)
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					
3.09 DIORITE: Dark grey. Fine to very fine grained. Intrusive texture very faint. Locally fragmental: silica fragments to 5mm. Strongly crackled with white and dark grey siliceous stringers. Weak shear foliation dips 10°. Rusty limonite on fractures 3.09 - 4.76m. Weak pervasive chlorite alteration. Quartz-carbonate veining at 5.30m dips 58°. Trace pyrite strongly fractured, 9.45 - 10.06m.	ΛΛΛΛΛΛ	2.5	0.05				2.0	3.09 90 5.18 104 7.62 96 10.06					
10.0 10.10 GRANITE: White to pale green. Coarse grained. 10% mafics; chloritized. 3% diorite. Weak stockwork of white and pale grey siliceous stringers. Crackled. Pale green clay gouge to 5mm at 12.60m; dips 65°. Fine grained pale green chlorite + talc alteration. UC dips 40°; LC dips 42°.	× × × × × ×	2.5	0.05	0.1			0.5	85 11.28 95					
15.16 DIORITE: Medium to dark grey-green/white mottled. Fine to coarse grained. Strongly crackled with siliceous stringers. Quartz and quartz-calcite veins, 1-5mm, to 2.5%; dip 45-60° and 80°. 15% Granite. 40-55% mafics, locally to 25%. Mafics chloritized. Rare pyrite. Finer grained sections have scattered dark green mafics to 3mm and 2.5% Rare pale green blebby alteration - chlorite + talc? Rock is strongly fractured; 17.40-20.00m.	ΛΛΛΛΛΛ							17.37 60					

20.0

28.45m; 3cm vein of dark brown stringers dips 25°.

30.0

31.25 - 33.50m; Quartz and quartz - calcite veining increases to 9%.

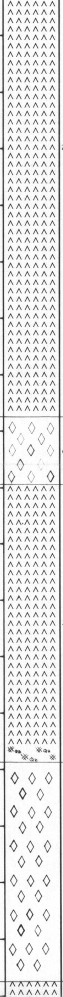
INTERMEDIATE DYKE: Dark green. Very fine grained. 1mm calcite amygdoules and pale orange flecks. Minor quartz veinlets. Trace pyrite. UC dips 40°. LC dips 60°.

40.0

45.25 - 45.75m; moderate quartz stockwork and pale green chlorite - epidote alt'n.

FELSIC DYKE: Pale grey. fine grained. Dark green chlorite altered hornblende phenocrysts, 1-3mm, to 2%. Dark green chloritic "stripes" at 1-4cm intervals, dip 35-45°. Ground rock at 53.00m Trace pyrite. Anhedral white blebs to 0.2% could be feldspars.

50.0



~18–34 m	2.5	0.08		0.4	2.5
33.53–35.90	0.5	0.05		0.5	
35.90–45.74	2.5	0.08		0.4	2.5
45.74–		0.05			3.0

19.81
83
23.47
95
28.35
93
29.87
66
31.09
100
33.83
99
36.88
90
39.93
97
42.67
90
43.28
91
46.33
89
47.85
97
49.99
93
50.90
90
53.04

45.25 113357H 45.72	0.47/91	30	<5	—

60.0

67.75 - 69.29m; Increase in fracturing, and accompanying chlorite alteration.

70.0

70.85 - 86.00m; Selective pink alteration of felsic minerals to 2%. Influx of coarsely disseminated, non-magnetic pyrrhotite to 1%. Decreases to 0.01% at 76.16m.

FELSIC DYKE: Pale grey. Fine grained. Dark green chloritic hornblende phenocrysts, 1-3mm to 2.%. Dark green chloritic "stripes" dip 69°. white blebs possibly feldspar phenocrysts. Pale pink alteration of felsics in diorite to 10cm each side. **Similar to 45.72-53.50m.**

76.16

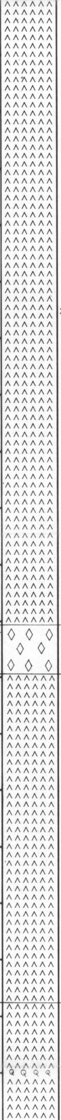
77.90

80.0

SILICA FLOODED DIORITE: Pale grey silica flooded patches, 20-40cm, in coarse grained felsic diorite. Silica patches fine grained, crackled, and stockworked with grey and white quartz stringers. Stringers dip 30-35°. **Rare** pale green patchy alteration. Pale green chlorite+talc alteration on fractures. Trace pyrite, and pyrrhotite. Silica patches occasionally with a porphyritic texture. Weakly bleached. Contacts gradational over 2-4cm.

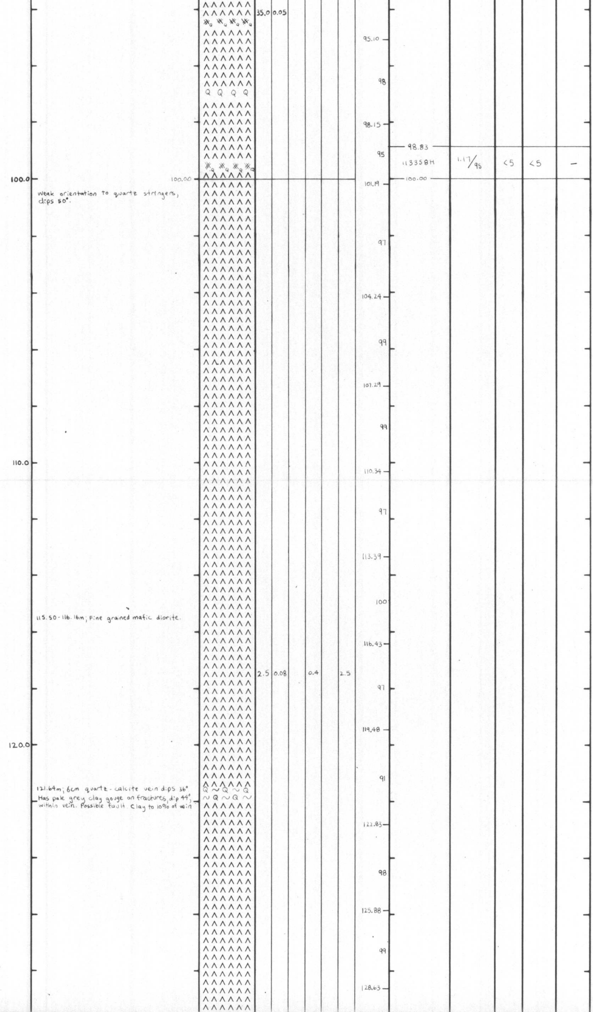
89.48

90.0



2.5	0.08		0.4		2.5
	0.05				3.0
2.5	0.08		0.4		2.5

	96
55.47	
	92
58.52	
	100
61.57	
	98
64.62	
	86
66.75	
	77
67.97	
	106
69.19	
	94
72.24	
	94
75.29	
	100
78.33	
	101
81.38	
	99
83.82	
	102
86.56	
	96
92.05	
	99

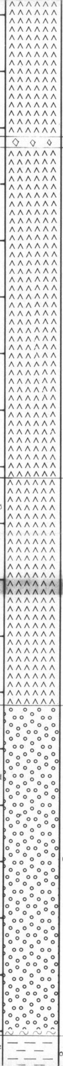


Weak orientation to quartz stringers, dips 50°.

115.50 - 116.16m; Fine grained mafic diorite.

121.64m; 6cm quartz - calcite vein dips 36°
Has pale grey clay gouge on fractures, dip 44°, within vein. Possible fault. Clay to 10% of vein

130.0



INTERMEDIATE DYKE: Dark green, fine grained. 1-3mm calcite amygdoules. Black chloritic flecks <1%. Pyrrhotite in blebs and stringers to 1%. Trace pyrite. Minor quartz veinlets. UC dips 50°. LC dips 40°. 134.36 – 134.70

140.0

MAFIC DIORITE: Dark grey-green. Fine to medium grained. 5% felsics. Local pale green-green silica flooded zones to 10cm; aphanitic, strongly crackled. Rare dark grey silica flooded zones with weak porphyritic texture. Rare quartz and calcite stringers. Trace pyrite. Mafics chlorite altered. strong chlorite ± serpentine on fractures. Faint blue tinge to core. Gradational contacts. 146.38

150.0

GREENSTONE: 154.45
Dark grey-green. Fine grained, fragmental; clasts to 1cm. Weakly laminated with dark grey argillite stringers, and phases and fingers of dark grey intrusive. Laminations convoluted. Fragments 90% Greenstone, 10% silica. Minor quartz and calcite veinlets. Strong chlorite ± serpentine on fractures. Rare conformable chert bands and fragments; bands to 30cm. Rock is friable in strongly chloritized sections.

160.0

163.60m; Laminations become more regular; dip 22°. Fissile parallel to laminations.

CHERT: Dark grey with pale grey 166.16
Silica fragments. Possibly brecciated. Trace argillite in matrix. Rare quartz-calcite veins. UC dips 40° and has minor clay

1.0	0.05		0.8		0.5
2.5	0.08		0.4		2.5
0.05	0.02		0.05		2.5
0.05	0.02	0.1	0.05		2.5
0.05		0.50	0.05		

98
131.67
93
134.72
102
137.77
99
140.82
99
143.87
100
146.91
96
148.44
100
151.49
98
157.58
101
160.63
93
165.20
99

gouge possible fault contact. 167.46
LC conformable.

168.50m; laminations dip 8-15°.

170.0

CHERT: Pale grey chert ribbons separated by dark grey argillite bands to 1cm. White quartz veins to 3cm, contain fragments of chert and argillite. Typically offset by chert ribbon bands. Veins dip 40-50°. Ribbon banding dips 10-20°. Argillite bands carbonaceous. 176.84

179.70

180.0

179.70-183.10m; increase in quartz-calcite veining to 2%.

182.24-182.55m; Strongly fractured, broken fault? zone. Strongly carbonaceous and possibly serpentinized. Dark grey clay gouge to 5%. No orientation available.

FAULT ZONE: In convoluted greenstone. Strongly chloritized. Friable. Dark grey clay gouge. Dips 15-20°. 185.70 186.18

MAFIC DYKE: Dark grey, fine grained. Pale green-brown altered, lath-shaped phenocrysts; could be hornblende. Minor quartz and calcite veinlets. Trace blebby pyrrhotite. Pyrite in blebs and stringers. Chloritized. Well fractured. LC dips 68°. 187.00 188.18

FAULT ZONE: Friable. Highly fractured. Dark grey clay gouge to 20%. Fault dips ~60°. Minor quartz and calcite lenses and veinlets, to 1cm. Pervasive chlorite and serpentine. Contacts dip 65°. 188.93

190.0

188.93-191.56m; Greenstone more uniform in texture. Pyrite increases to 0.5%.

191.13-191.58m; Hanging wall, pale brown ankerite alteration, to chert and quartz stockwork.

CHERT: Pale grey silica ribbon bands separated by black argillite bands to 5mm. Crackled. Pyrite and pyrrhotite in blebs and stringers. Quartz vein stockwork, 191.63-191.90m. Chert in this zone altered pale pink. Conformable contacts; UC dips 62°, LC dips 40°. 191.58

194.21

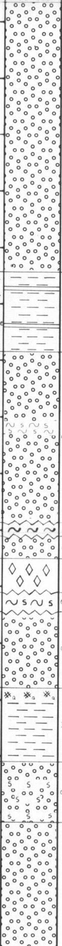
195.00-198.32m; Strongly serpentinized section.

198.32

GREENSTONE:

Medium to pale green. Texture variable from fine grained and crackled, to laminated and fragmental. Weak tuffaceous texture. Laminations typically convoluted, dip 40-45° where regular. Lacks dark grey argillite stringers found in unit above. Quartz and calcite in veinlets, dip 70°, and lenses - often convoluted similar to laminations. Rare chert clasts. Pyrrhotite mainly disseminated on fractures, and rarely in stringers. Upper contact is a fault; dips 38°, with ~20cm clay gouge zone. Rare chert bands to 25cm.

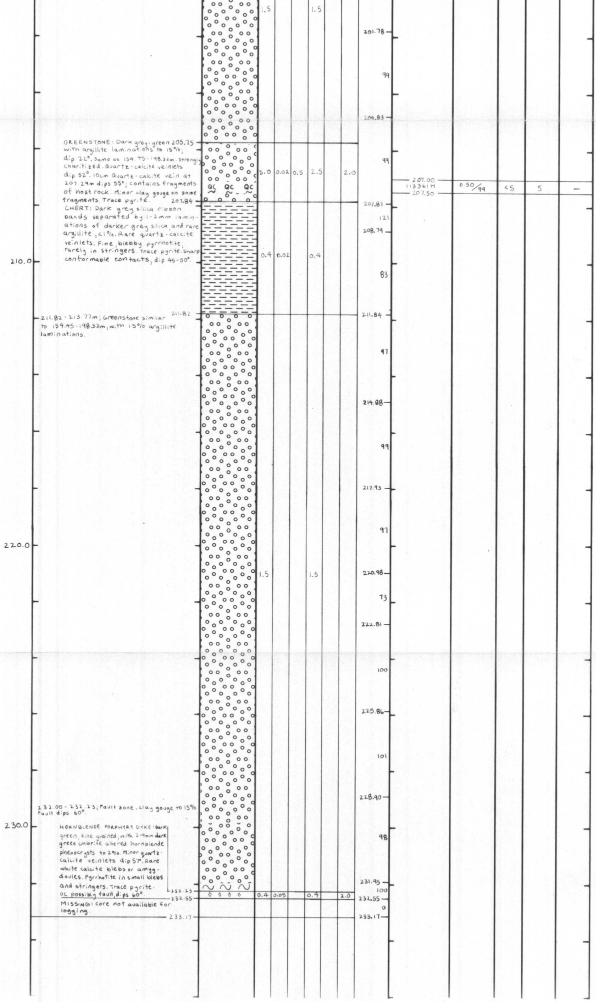
200.0



0.05	0.02	0.1	0.05		2.5
3.0					
0.05	0.02	0.1	0.05		2.5
		15.0			7.0
0.05	0.02	0.1	0.05		2.5
0.05	1.5		0.1		2.0
0.3		20.0	1.0		7.0
0.05	0.02	0.1	0.05		2.5
3.0	0.4				
0.05	0.02	0.1	0.05		2.5

168.25	
	96
171.30	
	96
174.34	
	79
176.78	
	63
178.00	
	100
184.10	
	86
188.96	
	93
191.11	
	99
194.16	
	93
199.34	
	89

178.70–179.70	113359H	1.00/100	<5	<5	–
191.63–192.43	113360H	0.80/96	<5	<5	–



GREENSTONE: Dark grey-green 205.75 with argillite laminations to 15%; dip 22°. Same as 154.45-198.32m. Strongly chloritized. Quartz-calcite veinlets dip 52°. 10cm Quartz-calcite vein at 207.29m dips 55°; contains fragments of host rock. Minor clay gouge on some fragments. Trace pyrite. 207.84

CHERT: Dark grey silica ribbon bands separated by 1-2mm laminations of darker grey silica, and rare argillite, <1%. Rare quartz-calcite veinlets. Fine, blebby pyrrhotite, rarely in stringers. Trace pyrite. Sharp conformable contacts, dip 45-50°.

211.82

211.82 - 213.77m; Greenstone similar to 154.45-198.32m, with 15% argillite laminations.

232.00 - 232.23; Fault zone. Clay gouge to 15%. Fault dips 60°.

HORNBLENDE PORPHYRY DYKE: Dark green, fine grained, with 2-4mm dark green chlorite altered hornblende phenocrysts to 2%. Minor quartz-calcite veinlets dip 57°. Rare white calcite blebs or amygdoules. Pyrrhotite in small blebs and stringers. Trace pyrite. 232.23

UC possibly fault, dips 60°. 232.55

MISSING: Core not available for logging. 233.17

207.00 113361H 207.50	0.50/99	<5	5	–