

DRILL LOG

LOCATION: L84 N.E. 78 + 00 S.E.

DATE STARTED: July 12, 1964

DATE COMPLETED: July 13, 1964

TOTAL DEPTH: 201.5'

PROPERTY: Caley Property, Y.T.

HOLE NO: C - 3

SHEET NO: 1

ELEVATION OF COLLAR: ²²¹⁰~~2180~~ approx.

ELEVATION OF BOTTOM: ^{1978.5}~~1978.5~~
2008.5

BEARING: —

DIP: 90°

GEOLOGICAL DESCRIPTION	FOOTAGE	REC.	TH. V.	FIBRE VEINS														% SL. F.	% Mass F.	% Total F.	Vein Ang	% MAG	% PYR	Rock S	REMARKS (VEIN TYPE)
				1/32	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8								
0 - 19.0 Casing																									
19.0 - .1 Carbonate-quartz. Iron stained, carbonate rhombs (colourless) up to 1/3 inch in diameter occur in rust coloured carbonate ground mass. Minor quartz. Possibly a float fragment.																									
19.2 - 136.0 Serpentine.																									
19.1-2010: Core broken. Fragments show variable carbonate content, some well altered, iron stained and veined with carbonate.																									
20.0-20.9: Serpentine reddish, harder, spotted with clear carbonate.																									
22.5-23.0: Shear zone.																									
32.2-34.0: Shear zone.																									
36.5: Picrolite vein, thread fiber veins.																									
(19.0-43.5: 19.0 feet of core, recovery - 77%).	35 - 40		x		2																				
46.5-47.7: Shear	45 - 50	5	x		5																				
49.5: Slip-fiber in shear brittle, approx. 1/4 inch.	50 - 55	1.5	x		1																				
50.0-62.0: Brecciated, mainly carbonate, some quartz veining, minor marinosite.	60 - 65	4.5	x		8	1																			
	65 - 70	4.0	x		6	1																			(1.2)
	70 - 75	5.0	x		8	3																			(1.0)
57.0-58.0 (?) Crush zone, fault gouge.	75 - 80	5.0	x		13	5																			
Carbonate carries pseudo fiber veins.	80 - 85	5.0	x		17	4																			
63.0-64.0: Shear, carbonate vein.	85 - 90	5.0	x		6	4	1																		
64.0-65.8: Shear.	90 - 95	5.0	x		4	1																			
64.0-75.5: Core broken due to frequent shear planes.	95 - 100	5	x		3	1																			
	100 - 105	5	x		3	1																			
71.7-72.5: Carbonate veins, (35°)	105 - 110	5	x		2	1																			
92.5: Talc vein about 1/4" wide.	110 - 115	5	x		14	3																			
108.0: Carbonate vein, 1" wide. (25°)	115 - 120	5	x		19	6																			
105-110: Losing water.	120 - 125	4.6	x		5	2																			
119.8: Carbonate vein, 1-1/2" wide (45°)	125 - 130	5	x		3	2																			
	130 - 135	5	x		3																				
120-136: Frequent carbonate veins and zones of brecciation.																									
Serpentine is apple green in colour, generally sheared and broken up by series of close parallel slip planes.																									
Magnetite is not evident except in a few fiber-veins. Carbonate occurs as veins and disseminations (crystals and spherules).																									

DRILL LOG

LOCATION:

DATE STARTED:

DATE COMPLETED:

TOTAL DEPTH:

PROPERTY: Caley Property, Y.T.

HOLE NO: C - 3

SHEET NO: 2

ELEVATION OF COLLAR:

ELEVATION OF BOTTOM:

BEARING:

DIP:

GEOLOGICAL DESCRIPTION	FOOTAGE	REC.	TH. V.	FIBRE VEINS														% SL. F.	% Mass F.	% Total F.	Vein Ang	% MAG	% PYR	Rock S	REMARKS (VEIN TYPE)
				1/32	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8								
120' - 136' (cont'd) Fibre Veins tend to occur where ser- pentine is more massive. Vein attitudes tend to be at right angles to one another. There are two dominant directions: - One parallel to the core and one at right angles. The parallel veins are up to 3/8" wide but carrying multiple partings.																									
136' - 138' Transition Zone. Serpentine to carbonate-quartz zone. Heavily veined with fine thread veins.																									
138' - 150' Carbonate-quartz zone. Carbonate- quartz is iron stained, fibre grain massive, largely carbonate (90% ?), brecciated and carries many thread veins. Carbonate effervesces on powdering, ankerite? Remnant islands of serpentine are present. 144-150' A light green amorphous mineral is evident (about 5%). Very fine grain, mariposite? (dimethyl-gl.- test-ve) 149-150' Core blocky, 50% recovery. Carbonate vein with mariposite. Possibly marks contact. Wide carbonate veins occur at contact in several instances on surface.																									
150.0 Schist complex																									
150' - 159' Carbonate largely replaces schists? Lineations, similar to those present within the carbonate rock. The carbonate content is variable, and gradually decreases away from the ultra-basic body. 150-152' Core very broken. Shear zone. 158-158.5' Quartz vein, contacts irregular. Schists underlying Quartz- carbonate are quartzitic and finely laminated: - Quartz-mica schists. (153' - Lineations: 65° - 70° to core)																									
159' - 170' Quartz-mica schists, with variable chlorite content.																									

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