

GEOLOGICAL LOG OF DRILL HOLE

AREA: GORDON STAGE 1: SCOTTS PEAK DAM		CO-ORDINATES: E: 426 2864 N: 701 206		HOLE No. 185
LOCATION: QUARRY SITE		ON LINE:	BEARING:	AT CH:
GEOLOGICAL PLAN: SURVEY PLAN:		AT STN:	BEARING:	DIST:
DATES (a) DRILLED: (b) WATER TABLE:		SURFACE	COLLAR	WATER TABLE
METHOD: DIAMOND HYDRAULIC CORE SIZE: 4 1/2" NITLC		998		
FR Fresh	MW Moderately Weathered	HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION
FRST Fresh Stained Joints	HW Highly Weathered	VERT./HOR./INC.	45°	
SW Slightly Weathered	CW Completely Weathered			SHEET 2 OF 3 SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS, etc. No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	Logged by: V.E. Thomson
100	4 1/2" NITLC	12.1 ins. to 24.1 ins.		998		Minor fold in NITLC				Checked by: Date: 25-1-73
105						Joint at 40° to core axis, clean				FR and SW white SANDSTONE and pale grey SANDSTONE, fine grained quartz rich, massive.
110										
115										slightly pitted sandstone.
120						Incipient joint at 50° to core axis, also joint at 30° to core axis				MW SW - MW locally Zone of pitted sandstone
125						Zone of joint at 40, 30°, 1, 3, 6 ins. clean and stained; some at 10°				Zone of pitted sandstone
130										SW and FR
135										
140										
145										Pale grey SANDSTONE, fine grained, quartz rich, cut by quartz veins and dark layers (incipient joints)
150										Mostly FR
155						Joint at 60° to core axis				
160										
165										
170						Joints at 20°, 10°, clean, quartz coated				TS 1781 Lithic carbonate cemented Q. Si. Sandstone with fragments of shale and a light coloured rock
175										
180						Stylolitic layer at 70° to core axis				4 ins SW pitted sandstone
185										SW pitted sandstone
190										23 ins pitted sandstone (slightly to moderately friable)
195										6 ins honey comb weathered sandstone
200										8 ins moderately friable sandstone
										SW to FR
										Driller reports SAND 194 1/2" - 206'
										27 ins pale grey sandstone with dark shale and light coloured fragments
										TS 1779 carbonate cemented quartz sandstone

GEOLOGICAL LOG OF DRILL HOLE

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AREA: GORDON STAGE I : SCOTTS PEAR DAM		CO-ORDINATES: E: 426.2864 N: 701 1206	HOLE No. 185
LOCATION: QUARRY SITE		ON LINE: BEARING: AT CH:	FILE No.
GEOLOGICAL PLAN: SURVEY PLAN:		AT STN: BEARING: DIST:	
DATES (a) DRILLED: (b) WATER TABLE:		SURFACE COLLAR WATER TABLE	SHEET 3 OF 3 SHEETS
METHOD: DIAMOND HYDRAULIC CORE SIZE: 1 1/4, NMLC		998	
FR Fresh MW Moderately Weathered		HOLE DRILLED ANGLE FROM HORIZONTAL: 45°	DIRECTION
FRST Fresh Stained Joints HW Highly Weathered		VERT./HOR./INC.	
SW Slightly Weathered. CW Completely Weathered			

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS, etc. No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	Logged by: VE Thomson	
										Checked by: Date: 25-1-72	
200	NMLC										
205		1-2 ins									
210		fragments									
215		4, 8, 24 ins									
220		Core mostly in shales									
225		3, 8, 12, 26 ins									
230											
235											
240											
45					END OF HOLE					242 ft 10 ins	
50											
55											
60											
65											
70											
75											
80											
85											
90											
95											

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Core mostly in shales 4, 8, 24 ins fragments 1-2 ins

← 23 ins sandstone with shale fragments

Gray SANDSTONE, fine grained, quartz rich, massive, cut by quartz veins locally.

← 9 ins SW

← Sandstone with minute, dark, shale fragments mostly pale colored sandstone.

FR

← 4 ins SHALE

← occasional shale fragments in sandstone
← 10 in sandstone with shale slivers
Stylolitic layers mark incipient joints.

← quartz veinlet, 1/4 in wide at 20° to core axis

← SW
← 1 in band of shale breccia 30° to core axis
← TS 0842
← complexly microjointed sandstone having appearance of sedimentary breccia.