

GEOLOGICAL LOG OF DRILL HOLE

AREA: GORDON STAGE 1 : SCOTTS PEAK DAM		CO-ORDINATES: E: 426.1115 N: 703.1253		HOLE No. 154
LOCATION: SCOTTS PEAK DAM SITE		ON LINE:	BEARING:	
GEOLOGICAL PLAN: SURVEY PLAN:		AT STN:	BEARING:	DIST:
DATES (a) DRILLED: (b) WATER TABLE:		SURFACE	COLLAR	WATER TABLE
METHOD: DIAMOND HYDRAULIC CORE SIZE: NMLC		896		
FR Fresh	MW Moderately Weathered	HOLE DRILLED	ANGLE FROM HORIZONTAL:	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	STRUCTURES JOINTS, etc No Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	Logged by: <i>KE. Thomson</i>	Checked by:	Date:
0-5'	NX		NX		No CORE SEEN		White					
5-10'	NMLC	14-2 in										
10-15'		some fragments										
15-20'		sticks 6-12 in, some zinc										
20-25'												
25-30'						Joint parallel to core Joint at 65°						
30-35'						Joint parallel to core						
35-40'						Bedding at 25°	Red					
40-45'												
45-50'						Joints at 15°						
50-55'						fracture at 75° limonite stained						
55-60'						Bedding at 10-20° with sedimentary structures						
60-65'												
65-70'												
70-75'												
75-80'												
80-85'												
85-90'												
90-95'												
95-100'												

sticks 2-3 in mostly sticks 2-6 in some zinc some discs fragments
 sticks 3, 6, 8 in, some discs
 sticks 3, 10, 2 in

QUARTZITE, grey with yellow green spots and bleached argillite layers
 spotted quartzite
 red argillite
 FR-SW
 green argillite
 QUARTZITE, grey
 ARGILLITE, red, quartz veined
 green argillite 3 in
 yellow green argillite (altered)
 TS 0775 (thin banded sericite quartzite)
 yellow green to red argillite
 much crystalline vein quartz, crumbly
 SW- QUARTZITE, very pale grey, FRST quartz veined, mostly ARGILLITE, red limonite stained locally some quartzite beds lit to 6 or 8 in
 much fine grained sandstone to siltstone locally.
 FR,
 SA locally rock
 (some weathering or alteration mottling) mostly massive.
 Discing of core, discs 1/4-1/2 in
 much granular vein quartz
 gritty sandstone
 Hole making water appx. 250 galls/hr
 Crushed seam, limonite stained, very crumbly rock mostly ARGILLITE
 FR, SA locally with quartzite layers 1-3 in



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LOCATION: SCOTTS PEAK DAM			ON LINE: BEARING: AT CH:	FILE No.
GEOLOGICAL PLAN: SURVEY PLAN:			AT STN: BEARING: DIST:	
DATES (a) DRILLED: (b) WATER TABLE:		LEVEL	SURFACE COLLAR WATER TABLE	SHEET 2 OF 3 SHEETS
METHOD: DIAMOND HYDRAULIC CORE SIZE: NMLC			HOLE DRILLED: ANGLE FROM HORIZONTAL: DIRECTION	
FR Fresh MW Moderately Weathered		INCL.	VERT/HOR/INC.	
FRST Fresh Stained Joints HW Highly Weathered				
SW Slightly Weathered CW Completely Weathered				

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	STRUCTURES JOINTS, etc	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	Logged by: VE. Thomson	Checked by:	Date:
100'			WELL				Red					
105'												
110'						Core breaks parallel Bedding at 45° Joint parallel to core, SA						
115'						Quartzite						
120'												
125'				Lost								
130'												
135'												
140'												
145'						Bedding at 75°						
150'												
155'						Contact parallel to core (red/green argillite)						
160'												
165'							Red					
170'						Bedding at 40-60°						
175'						Bedding at 70°						
180'						Bedding at 20°						
185'						Bedding at 30°						
190'												
195'						Bedding at 30° Bedding at 40-50°						
200'												

Mostly sticks 3, 6, 12, 18, 24 ins and fragments as indicated

100 PSI 12.8 gpm
100 PSI 13.6 gpm
120 PSI 11.6 gpm
150 PSI 1.8 gpm
150 PSI 11.8 gpm

mostly ARGILLITE
 FR, SA Some fine grained sandstone, siltstone
 locally ← TS 0776 (foliated lithic mica quartzite)
 HA argillite, powdery
 broken argillite
 massive mostly
 FR argillite ARGILLITE, red
 ← 18 ins quartzite, MW (friable in part)
 ← TS 0777 (Hematite mica quartz siltstone)
 Argillite, green, and quartzite associated with red argillite
 Red
 some fine grained sandstone and siltstone
 mostly QUARTZITE
 FR mostly
 FR ARGILLITE, red
 SA
 SW QUARTZITE, grey
 mostly ARGILLITE, red
 FR broken argillite

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LOCATION: SCOTTS PEAK DAM SITE			ON LINE: _____ BEARING: _____	
GEOLOGICAL PLAN: _____ SURVEY PLAN: _____			AT STN: _____ BEARING: _____	DIST: _____
DATES (a) DRILLED: _____ (b) WATER TABLE: _____		LEVEL	SURFACE _____ COLLAR _____	SHEET 3 OF 3 SHEETS
METHOD: DIAMOND HYDRAULIC CORE SIZE: NMLC			HOLE DRILLED _____ ANGLE FROM HORIZONTAL: _____	
FR Fresh MW Moderately Weathered		INCL.	VERT/HOR/INC. _____	
FRST Fresh Stained Joints HW Highly Weathered				
SW Slightly Weathered CW Completely Weathered				

Logged by: *VE. Thomson*
 Checked by: _____
 Date: _____

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY				GRAPHIC LOG	STRUCTURES JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	LOG DESCRIPTION
				2	4	6	100						
200'													
205'													mostly ARGILLITE, red
210'													mostly FR
215'													
220'													
225'													mostly Argillite and Quartzite
230'													
235'													mostly
240'													FR QUARTZITE
245'													Argillite and Quartzite
250'													mostly
255'													FR
260'													
265'													mostly
270'													FR spotted Quartzite
275'													Common
280'													TS 0778 (Banded mica schistite + quartzite) Broken argillite
285'													
290'													
295'													
300'													END OF HOLE 290ft 2ins

Some fragments locally

Core in sticks 3, 6, 12 to 15 ins

Red

White

150psi
118 gpm

Hole making water 2600 gals/hr

Bedding at 65°

Joints at 60, 65°

Bedding at 45°

Joints at 30°, 40°

Joints at 40-60°

BURNETT