

DRILLING RECORD

37 199  
661 28

AREA: GORDON RIVER POWER DEVELOPMENT-STAGE I		CO-ORDINATES: E: 389 Kyds 1598 Ft. N: 738 Kyds 2661 Ft.	HOLE No. 6996
LOCATION: INTAKE AREA-GORDON POWER STATION		ON LINE: BEARING: AT CH.	FILE No.
GEOLOGICAL PLAN: A16100 65.189 SURVEY PLAN: 529817382		AT STN: BEARING: DIST:	
DATES (a) DRILLED: 9-3-70 (b) WATER TABLE:		SURFACE COLLAR WATER TABLE	SHEET / OF 2 SHEETS
METHOD: D. D. DIAMETER: NX, NMLC, BMLC.		HOLE DRILLED ANGLE FROM HORIZONTAL DIRECTION	
SITE REMARKS: Investigation hole - Centre of proposed Intake tower.		VERT: / / 90°	

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY %	GRAPHIC LOG	JOINTS No. & Type Log Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
0			NX	100						FR. Fresh. 2-vein quartz
0-4'					FR-ST					0'-4" Black schist with phyllitic surfaces. Foliation very micaceous. Cleaves readily parallel to foliation
4'-5'			NMLC		FR-ST					4'-5" Hard grey-white laminated quartzite with black schistose lamellae which dips 58° to core axis, probably to East. FR-ST.
5'-6'					FR-ST					5'-6" Contorted quartzose schist FR-ST. but competent.
6'-7'					FR-ST					7'-7" Massive grey quartzite FR-ST.
7'-10'					FR-ST					10'-12" Quartzose black schist. Dip of foliation 68° to core axis - 5'
12'-27'					FR-ST					27' Changes to grey quartzite becomes schistose, with schistose laminations, 1/8" - 1/4".
27'-32'					FR-ST					32' Grades into schist. At 31' foliation dips 56° to core axis. Breaks in core parallel to foliation - some drilling breaks.
32'-40'					FR-ST					32'-40" Black laminated quartzose schist. Mainly fresh with Fe. stained joints. Some quartz veins present. Schist generally sound and massive.
40'-62'					FR-ST					40'-62" white-grey foliated quartzite, with occasional schist bands up to 12" and schistose laminations parallel to foliation. Foliation dips 55°-70°
62'-70'			BMLC		FR-ST					break fld to foliation
70'-72'					FR-ST					53'-7", 12" schist band.
72'-77'					FR-ST					Joints normal to foliation dip 70° spaced 6"-24"
77'-79'					FR-ST					62'-70" Black quartzose laminated schist. Fresh. foliation surface, breaks clean. Breaks parallel to foliation in schist. little other jointing. Foliation dips 55° to core axis
79'-84'					FR					70'-72" Massive vein quartz with minor schist. 72'-10" Lower Quartzite.
84'-87'					FR					77' schistose quartzite broken.
87'-90'					FR					72'-10" - 112' 10" Massive - foliated greenish-grey quartzite. Red in places. Mica rich foliation layers 10"-24" apart. Rock very hard and fresh. Occasional breaks along mica layers in foliation but only little natural jointing.
90'-94'					FR					NB: Hole making water at approx. 84'-0".
94'-98'					FR					NB: No reason for hole to make water at 84 Ft. more probably at 77' in broken zone.

GORDON POWER STATION AREA

Log of Drill Hole 6996

LOCATION	E 398	1598
	N 738	2661
LEVEL	SL 812	FT



