

# DRILLING RECORD

SCHEME - MERSEY FORTH WILMOT INVESTIGATION		POSITION	CO-ORDINATES	E:	N:	HOLE No. <b>5808</b>
LOCATION - Lemonthyne CK Penstock			ON LINE <b>L7</b>	BEARING: 0°00'	AT CH:	
POSITION PLOTTED ON DRAWING No. 5413 876 1/2		LEVEL	FROM STN. <b>L7</b>	BEARING: 0°20'	DIST.: 217	
DATES: (a) DRILLED: 7.6.60 (b) WATER TABLE: 13.7.60			SURFACE:	FORMATION:	WATER TABLE:	
METHOD USED: <b>DD</b> DIAMETER <b>No. 4, NX, BX, AX</b>		INCL	<b>1028</b>			SHEET <b>1</b> OF <b>2</b> SHEETS
SITE REMARKS: <b>Talus slope at Peg L8.</b>			HOLE DRILLED:	DEPRESSION ANG.:	INCL BEARING:	
			VERT/HORIZ:			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	0		0.2 0.4 0.6 0.8 1.0	STAND PIPE			
	5			▲			0-13' Talus - reddish brown clay with quartzite pebbles.
	10			▲			
	15			▲			
	20			○	25' No. 4 Casing		13'-36' Drift - gravelly till consisting of boulders, pebbles, sand and silt; boulders and pebbles of dolerite, quartzite and schist to 6" diameter.
	25			○	33' NX Casing		
	30			○	55' BX Casing		
	35			○			36'-60' Dark grey, hard, well consolidated tillite; angular to sub-rounded boulders and pebbles of dolerite, schist and quartzite to 6" diameter in a silty-sandy matrix.
	40			○	85' AX Casing		
	45			○			
	50			○			60-64' Rusty brown mudstone containing angular pebbles of dolerite and mineral grains
	55			○			
	60			○			
	65			○			64'-85' Loose pebbles of dolerite and quartzite - drift, gravelly till.
	70			○			
	75			○			
	80			○			Bedding
	85			○			
	90			○			
	95			○			
	100			○			

# DRILLING RECORD

SCHEME:-- MERSEY-FORTH-WILMOT INVESTIGATION		POSITION	CO-ORDINATES	E	N	HOLE No. <b>5808</b>
LOCATION:-- <i>Lemanthyme Ck Penstock</i>			ON LINE	BEARING	AT CH.	
POSITION PLOTTED ON DRAWING No.		LEVEL	FROM STN.	BEARING	DIST.	FILE No.
DATES: (a) DRILLED: <i>7.6.60</i> (b) WATER TABLE: <i>13.7.60</i>			SURFACE	FORMATION	WATER TABLE	
METHOD USED: <i>DD</i> DIAMETER: <i>No. 4, NX, BX, AXI</i>		INCL	HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	SHEET <b>2</b> OF <b>2</b> SHEETS
SITE REMARKS: <i>Talus slope at Peg L.S.</i>			VERT. HOR. INC.			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	100		0.2 0.4 0.6 0.8 1.0				
	5						
	10						
	15						
	20						
	25						
	30						<i>85'-178'</i> Banded varves - thinly banded siltstone (light grey) and mudstone (dark grey). Dip ranges from 0° to 10°. Core broken by drilling at bedding planes into lengths ranging from 1/4" to 6".
	35						
	40						
	45						
	50						
	55						
	60						
	65						
	70						
	75						
	80						<i>178'-179'</i> Medium grey tillite; angular to sub-rounded rock fragments to 1" diameter set in a silty-sandy matrix
	85						<i>179'-195'</i> Banded dark bluish-grey quartz-mica schist with a few boulders of quartzite. Dip of foliation averages 20°. Closely jointed with slickensided joint surfaces.
	90						
	95						
	100						

Mostly bedding plane partings

Logged by:  
*S. J. Paterson*  
26.7.60

HOLE COMPLETED 195'6"