

DRILLING RECORD

SCHEME: <i>Mersey-Forth-Wilnot Investigation</i>	POSITION	CO-ORDINATES: E	N.	HOLE No.	
LOCATION: <i>Wilnot Tunnel Line.</i>		ON LINE <i>STN. 15</i>	BEARING <i>0°00'</i>	AT CH.	4558
POSITION PLOTTED ON DRAWING No. <i>54-406891</i>		FROM STN. <i>15</i>	BEARING <i>224°05'</i>	DIST <i>667'</i>	FILE No.
DATES: (a) DRILLED: <i>June, 62</i> (b) WATER TABLE	LEVEL	SURFACE	FORMATION	WATER TABLE	
METHOD USED: <i>DD</i> DIAMETER: <i>NX. BX</i>		<i>1699.</i>			
SITE REMARKS: <i>Alluvial Flat near creek bed.</i>	INCL	HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	
		VERT. HOR. INCL			
				SHEET 1 OF 3 SHEETS	

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	0'						0-3' Alluvial sands
	5'						
	10'						
	15'						
	20'						Yellowish-brown, weathered volcanic breccia; fragments to 4" diameter of vesicular basalt and black volcanic glass; few joints; core in lengths to 18"
	25'						3'-45' 25' NX casing
	30'						
	35'						
	40'						
	45'						45'-52' Yellowish-brown and grey partially weathered volcanic breccia; fragments of basalt to 8"; core in lengths to 12"
	50'						
	55'						52'-63' Yellowish brown, weathered volcanic breccia; fragments to 3"; few joints; core in lengths to 12"
	60'						
	65'						63'-66' Dark grey, volcanic breccia; fragments to 6"; core in lengths to 6"
	70'						
	75'						66'-86' Soft black, puggy clay; few polished joints; core in lengths to 18"
	80'						
	85'						
	90'						86'-90' Fine white quartz sand and pebbles of quartzite.
	95'						90'-96' Soft black clay; few joints; core in lengths to 4"
	96'						96'-106' Soft black clay with bands of fine light grey sand.

DRILLING RECORD

SCHEME:-- <i>Mersey-Forth-Wilnot Investigation</i>	POSITION	CO-ORDINATES	E	N	HOLE No. 4558
LOCATION:-- <i>Wilnot Tunnel Line</i>		ON LINE <i>STN 15</i> <i>STN 14</i>	BEARING <i>0°00'</i>	AT CH:	
POSITION PLOTTED ON DRAWING No.:	LEVEL:	FROM <i>STN 15</i>	BEARING <i>224°05'</i>	DIST. <i>667'</i>	FILE No.
DATES: (a) DRILLED: <i>Jun 62</i> (b) WATER TABLE:		SURFACE	FORMATION:	WATER TABLE:	
METHOD USED: <i>DD</i> DIAMETER <i>NX, BX</i> <i>8MLC</i>	INCL:	<i>1699</i>			SHEET 2 OF 3 SHEETS
SITE REMARKS: <i>Alluvial Flot Near Creek Bed</i>		HOLE DRILLED:	DEPRESSION ANG.	INCL BEARING:	
		VERT. FORING			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	100'						
	105'						
	110'						106'-111' Soft black clay; some fine banding and polished joints.
	115'						111'-118' Soft medium-grey clay.
	120'						
	125'						113'-141' Soft black clay with bands of fine dark grey sand; few lengths to 6".
	130'						
	135'						
	140'						
	145'						141'-151' Medium-grey clay.
	150'						
	155'						
	160'						
	165'						
	170'						Partially weathered, closely jointed, hard cherty quartzite with a few
	175'						153'-190' band of hard sandstone; contains many clay seams; core in broken pieces and lengths to 2".
	180'						
	185'						
	190'						190'-196' Medium hard, black argillite; close to moderate jointing; joints tight with thin (1/8"-1/4") calcite veins.
	195'						
	200'						

WATER TESTS

2" Quartz vein

CAVED

CAVITY

DRILLING RECORD

SCHEME - <i>Mersey-Forth-Wilnot Investigation</i>	POSITION	CO-ORDINATES	E	N	HOLE No.
LOCATION - <i>Wilnot Tunnel Line</i>		ON LINE <i>STN. 15</i> <i>STN. 14</i>	BEARING <i>0°00'</i>	AT CH	4558
POSITION PLOTTED ON DRAWING No		FROM STN. <i>15</i>	BEARING <i>224°05'</i>	DIST <i>667'</i>	FILE No.
DATES: (a) DRILLED: <i>June 62</i> (b) WATER TABLE	LEVEL	SURFACE	FORMATION:	WATER TABLE	
METHOD USED: <i>PD</i> DIAMETER <i>NX, BX, BMLC</i>		<i>1699</i>			
SITE REMARKS: <i>Alluvial flat near creek bed.</i>	INCL	HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	SHEET
		VERT. HOR. ANG.			<i>3</i> OF <i>3</i> SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	WATER TESTS	REMARKS
	<i>200</i>							
	<i>205</i>							
	<i>210</i>							
	<i>215</i>							<i>196-229 Hard, dark grey, quartzite; moderately jointed; joints tight with thin calcite veins; core in lengths to 18".</i>
	<i>220</i>							
	<i>225</i>							
	<i>230</i>							<i>229-233 Hard black argillite.</i>
	<i>235</i>							
	<i>240</i>							<i>233-250 Hard dark grey, quartzite; moderately jointed; joints tight with thin calcite veins; core in lengths to 12".</i>
	<i>245</i>							
	<i>250</i>							
	<i>255</i>							
	<i>60</i>							<i>Hole Completed 250'</i>
	<i>65</i>							<i>Logged by:</i>
	<i>70</i>							<i>S. J. Paterson</i>
	<i>75</i>							<i>2.8.62.</i>
	<i>80</i>							
	<i>85</i>							
	<i>90</i>							
	<i>95</i>							
	<i>100</i>							