



PROJECT NO. 8.1631801		ID. R-2911A		COUNTY Iredell		GEOLOGIST G. Licayan							
SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)							GROUND WATER (m)						
BORING NO. B1-A RT		BORING LOCATION 39+53.1		OFFSET 5.4m RT		ALIGNMENT -L-		0 HR. 6.56					
COLLAR ELEV. 257.15 m		NORTHING 223626.85		EASTING 447318.13				24 HR. 7.02					
TOTAL DEPTH 23.35 m		DRILL MACHINE CME 850		DRILL METHOD Wash Rotary/HQ Core		HAMMER TYPE 63.5 kg Auto							
DATE STARTED 11/21/02		COMPLETED 11/22/02		SURFACE WATER DEPTH NA									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
257.15													257.15 0.00
256.85	0.30	3	3	3							SS-17	M	RESIDUAL: Loose to Very Dense Black, White, Tan, Orange, and Red Clayey Silty Coarse to Fine SAND with Some Mica and a Trace of Root Fragments
256.08	1.07	2	2	3							M		
255.32	1.83	2	2	3							M		
254.56	2.59	2	3	3							M		
253.04	4.11	2	3	4							M		
251.51	5.64	2	4	4							M		
249.99	7.16	2	4	5							W		
248.46	8.69	2	4	5							W		
246.94	10.21	2	3	5							SS-18	W	
245.42	11.73	3	5	6							W		
243.89	13.26	5	7	12							W		
242.37	14.78	9	17	45							W		
240.84	16.31	50/5											241.62 15.53
													WEATHERED ROCK: Tan, White, and Black Biotite Gneiss
													240.79 16.36
													WEATHERED ROCK: White and Black; Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing
													240.20 16.95
													CRYSTALLINE ROCK: White and Black; Moderately to Slightly Weathered; Moderately Hard Biotite Gneiss with Moderately Close to Close Fracture Spacing
													238.46 18.69

NCDOT BORE SINGLE 07102019.GPJ NC_DOT.GDT 1/16/03



PROJECT NO. 8.1631801		ID. R-2911A		COUNTY Iredell		GEOLOGIST G. Licayan							
SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR)							GROUND WATER (m)						
BORING NO. B1-A RT		BORING LOCATION 39+53.1		OFFSET 5.4m RT		ALIGNMENT -L-		0 HR. 6.56					
COLLAR ELEV. 257.15 m		NORTHING 223626.85		EASTING 447318.13				24 HR. 7.02					
TOTAL DEPTH 23.35 m		DRILL MACHINE CME 850		DRILL METHOD Wash Rotary/HQ Core		HAMMER TYPE 63.5 kg Auto							
DATE STARTED 11/21/02		COMPLETED 11/22/02		SURFACE WATER DEPTH NA									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
238.15													Continued from previous page
													237.89 19.26
													CRYSTALLINE ROCK: White and Black; Moderately Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing
													235.88 21.27
													CRYSTALLINE ROCK: White and Black; Moderately to Slightly Weathered; Medium Hard to Moderately Hard Biotite Gneiss with Very Close to Close Fracture Spacing
													233.80 23.35
													Coring Terminated at Elevation 233.80m in Crystalline Rock: Biotite Gneiss
													Avg. drilling fluid density=±1.04 grams per cu cm with ±1milliliter of polymer per liter of tap water

NCDOT BORE SINGLE 07102019.GPJ NC_DOT.GDT 1/16/03