



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. B2-A RT		BORING LOCATION 39+73.0		OFFSET 5.4m RT		ALIGNMENT -L-		0 HR. 4.57					
COLLAR ELEV. 256.16 m		NORTHING 223622.84		EASTING 447337.63				24 HR. 6.40					
TOTAL DEPTH 29.23 m		DRILL MACHINE Mobile B-57		DRILL METHOD Wash Rotary/Fishtail/HQ Core		HAMMER TYPE 63.5 kg Manual							
DATE STARTED 12/23/02		COMPLETED 12/27/02		SURFACE WATER DEPTH NA									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
256.16													256.16 0.00
255.86	0.30	5	4	5								M	RESIDUAL: Medium Stiff to Stiff Black, Tan, and Red Clayey Coarse to Fine Sandy SILT with a Little Mica
255.09	1.07	2	5	6								SS-21 38.7%	
254.33	1.83	3	4	6								M	
253.57	2.59	3	4	6								M	
252.04	4.12	2	4	6								W	
250.52	5.64	3	5	7								M	
249.00	7.16	2	4	6								W	
247.47	8.69	3	4	6								W	
245.95	10.21	3	3	5								W	
244.43	11.73	3	5	8								W	
242.90	13.26	6	10	17								W	243.16 13.00 Medium Dense to Very Dense Black, Tan, and Red Silty Coarse to Fine SAND with a Little Mica
241.38	14.78	9	19	30								SS-22	
239.85	16.31	15	26	49								W	
238.33	17.83	6	11	87								W	237.86 18.30 WEATHERED ROCK: White, Grey, and Brown Biotite Gneiss

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		15cm	15cm	15cm	0	20	40	60	80				100
237.16													Continued from previous page
236.81	19.35	20	45	55/5									236.46 19.70 WEATHERED ROCK: White, Grey, and Brown Biotite Gneiss (continued)
235.29	20.87	35	65/13										WEATHERED ROCK: White, Grey, and Brown; Severely Weathered; Very Soft Biotite Gneiss with Very Close to Close Fracture Spacing
233.77	22.39	50/6											233.66 22.50 WEATHERED ROCK: Brown, White, and Grey; Severely Weathered; Soft to Medium Hard Biotite Gneiss with Very Close to Close Fracture Spacing
232.25	23.91	50/5											231.84 24.32 WEATHERED ROCK: Grey, White, and Orange Brown; Severely Weathered; Soft to Very Soft Biotite Gneiss with Close to Very Close Fracture Spacing
230.73	25.43	70	30/3										229.81 26.35 WEATHERED ROCK: Brown, White, and Grey; Severely Weathered; Medium Hard Biotite Gneiss with Very Close to Close Fracture Spacing
229.21	26.95	50/4											229.13 27.03 CRYSTALLINE ROCK: White and Dark Grey, Slightly to Moderately Weathered, Moderately Hard Biotite Gneiss with Very Close to Close Fracture Spacing
													226.93 29.23 Coring Terminated at Elevation 226.93m in Crystalline Rock: Biotite Gneiss
													Avg. drilling fluid density=±1.04 grams per cu cm Tap water alone used as drilling fluid

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