



SHEET 1 OF 1

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-B LT		BORING LOCATION 39+71.1		OFFSET 5.4m LT		ALIGNMENT -L-				
COLLAR ELEV. 256.09 m		NORTHING 223633.82		EASTING 447337.94		0 HR. NM				
TOTAL DEPTH 28.47 m		DRILL MACHINE CME 55		DRILL METHOD Wash Rotary/Fishtail/HQ Core		HAMMER TYPE 63.5 kg Manual				
DATE STARTED 12/31/02		COMPLETED 12/31/02		SURFACE WATER DEPTH NA						
CORE SIZE HQ		TOTAL RUN 9.88 m		DRILLER B. Shull						
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	REC. (%)	RCD (m)	SAMP. NO.	STRATA REC. (%)	RCD (m)	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 18.18 m
237.91	18.18	1.17	2:30/0.25 3:10 3:20 3:10	(34% 0.40)	(NA)		(15% 0.40)	(NA)		WEATHERED ROCK: Grey, White, and Brown; Severely Weathered; Very Soft Biotite Gneiss with Very Close to Close Fracture Spacing Majority of feldspars are iron stained
236.74	19.35		N=100/18 1:30/0.12 2:30 2:45 2:45 2:00	(0% 0.00)	(NA)					
236.56	19.53	1.34								
235.04	21.05	1.34	N=100/18 1:15/0.12 2:15 2:30 2:30 2:30	(79% 1.06)	(NA)		(93% 4.76)	(NA)		WEATHERED ROCK: Brown, White, and Grey; Severely Weathered; Medium to Moderately Hard Biotite Gneiss with Very Close to Close Fracture Spacing Some iron staining of feldspars
233.70	22.39									
233.65	22.44	1.47	N=50/5 2:20/0.25 2:55 2:55 2:50 3:10	(100% 1.47)	(NA)					Majority of jts @ 10° to 20° with iron staining 7 jts @ 45° to 55° with iron staining 3 vertical fractures with iron staining
232.18	23.91									
		1.52	3:00 3:10 2:10 3:00 3:10	(82% 1.25)	(NA)					
230.66	25.43									
		1.52	2:50 3:05 3:05 3:10 3:35	(100% 1.52)	(28% 0.43)					
229.14	26.95						(98% 2.01)	(70% 1.42)		CRYSTALLINE ROCK: Brown, White, and Dark Grey; Slightly to Moderately Weathered; Moderately Hard to Hard Biotite Gneiss with Very Close to Close Fracture Spacing
		1.52	3:45 3:25 3:15 3:15 3:20	(97% 1.47)	(65% 0.99)					6 jts @ 55° to 65° with iron staining 5 jts @ 0° to 10° with iron staining Remaining jts @ 30° to 40° with iron staining
227.62	28.47									Coring Terminated at Elevation 227.62m in Crystalline Rock: Biotite Gneiss

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