



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-				
COLLAR ELEV. 257.15 m		NORTHING 223626.85		EASTING 447318.13		0 HR. 6.56				
TOTAL DEPTH 23.35 m		DRILL MACHINE CME 850		DRILL METHOD Wash Rotary/HQ Core		24 HR. 7.02				
DATE STARTED 11/21/02		COMPLETED 11/22/02		SURFACE WATER DEPTH NA						
CORE SIZE HQ		TOTAL RUN 6.99 m		DRILLER R. Toothman						
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	REC. (%)	RQD (%)	SAMP. NO.	STRATA REC. (%)	RQD (%)	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 16.36 m
240.79	16.36	0.91	1:45 2:15 2:30	(70%) (0.64)	(35%) (0.32)		(58%) (0.34)	(NA)		WEATHERED ROCK: White and Black; Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing
239.88	17.27		2:30				(100%) (1.74)	(87%) (1.52)		CRISTALLINE ROCK: White and Black; Moderately to Slightly Weathered; Moderately Hard Biotite Gneiss with Moderately Close to Close Fracture Spacing
238.36	18.79	1.52	2:30 2:10 1:50 2:00	(97%) (1.48)	(79%) (1.20)					5 jts @ 0° to 10° with light iron staining
										CRISTALLINE ROCK: White and Black; Moderately to Slightly Weathered; Moderately Hard Biotite Gneiss with Moderately Close to Close Fracture Spacing
										5 jts @ 55° with light to moderate iron staining
										4 jts @ 20° to 30°
										1 jt @ 75° with light iron staining
236.84	20.31	1.52	1:45 1:55 2:05 1:50 1:45	(100%) (1.52)	(52%) (0.79)		(89%) (0.51)	(0%) (0.00)		CRISTALLINE ROCK: White and Black; Moderately Severely Weathered; Very Soft to Soft Biotite Gneiss with Very Close to Close Fracture Spacing
										Very soft iron staining of feldspars 18.69m to 18.79m
										7 jts @ 10° to 20° with light iron staining
										2 jts @ 50°
235.32	21.83	1.52	1:40 1:50 1:50 3:10	(100%) (1.52)	(64%) (0.97)		(100%) (2.08)	(80%) (1.67)		CRISTALLINE ROCK: White and Black; Moderately to Slightly Weathered; Medium Hard to Moderately Hard Biotite Gneiss with Very Close to Close Fracture Spacing
										Majority of jts @ 10° to 20° with light iron staining
										2 jts @ 70° to 80°
										3 jts @ 30° to 40°
233.80	23.35	1.52	1:45 2:00 2:45 2:05 4:15	(100%) (1.52)	(88%) (1.34)					CRISTALLINE ROCK: White and Black; Slightly to Very Slightly Weathered; Hard Biotite Gneiss with Close to Moderately Close Fracture Spacing
										7 jts @ 10° to 20° with light iron staining
										3 jts @ 50° to 60° with light to moderate iron staining
										Coring Terminated at Elevation 233.80m in Crystalline Rock: Biotite Gneiss

NCDOT CORE SINGLE 07102019.GPJ NC\_DOT.GDT 1/16/03