



PROJECT NO. 8.2495201		ID. B-3646		COUNTY Guilford		GEOLOGIST G. Licayan/P. Weaver							
SITE DESCRIPTION Bridge 185 Over the Haw River on SR 2712						GROUND WATER (ft)							
BORING NO. B1-B		BORING LOCATION 16+23		OFFSET 6ft RT		ALIGNMENT -L-							
COLLAR ELEV. 607.7 ft		NORTHING 900256.57		EASTING 1839127.42		0 HR. NA							
TOTAL DEPTH 42.4 ft		DRILL MACHINE CME 55		DRILL METHOD Wash Drill/HQ Core		24 HR. NA							
DATE STARTED 7/15/03		COMPLETED 7/15/03		SURFACE WATER DEPTH 3.5									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
611.2													Water Surface Elevation 611.2
607.7	0.0	7	10	27									River Bottom Elevation 607.7
604.2	3.5	8	24	38						SS-5	28.8%		ALLUVIAL: Brown, Silty, Fine to Coarse SAND with Gravel RESIDUAL: Hard, Brown and Orange, Coarse to Fine Sandy SILT with a Trace of Clay
601.7	6.0	38	23	27						W			
599.2	8.5	15	85/0.4							SS-6	34.5%		
													WEATHERED ROCK: Orange and Tan Mafic Metavolcanic Rock
													WEATHERED ROCK: Orange and Tan, Severely Weathered, Soft Mafic Metavolcanic Rock with Very Close Fracture Spacing
										RS-1			CRYSTALLINE ROCK: Tan and Brown with White, Moderately to Moderately Severely Weathered, Medium Hard to Moderately Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing
													CRYSTALLINE ROCK: Grey with White, Slightly Weathered, Moderately Hard to Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing
													Coring Terminated at Elevation 565.3 feet in Crystalline Rock: Mafic Metavolcanic Rock

Note: River Water Alone Used As Drilling Fluid

NCDOT BORE FILE 07103014.GPJ NC_DOT_GDT 8/5/03



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ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS	
				REC. (ft)	RQD (ft)		REC. (ft)	RQD (ft)			
											Begin Coring @ 9.4 ft
598.3	9.4	3.0	1:30	(0.8)	(0.0)		(0.0)	(NA)			WEATHERED ROCK: Orange and Tan, Severely Weathered, Soft Mafic Metavolcanic Rock with Very Close Fracture Spacing
595.3	12.4	5.0	4:00	(3.5)	(1.3)		(8.6)	(1.3)			CRYSTALLINE ROCK: Tan and Brown with White, Moderately to Moderately Severely Weathered, Medium Hard to Moderately Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing
			2:15	70%	26%	RS-1	67%	10%			Majority of fabric and all of fracture faces are heavily iron stained Numerous high angle to vertical fractures
590.3	17.4	5.0	4:30								
			3:30								
585.3	22.4	5.0	1:30	(2.8)	(0.0)						
			2:10	56%	0%						
			3:30								
			4:05	(5.0)	(2.3)		(18.5)	(9.1)			CRYSTALLINE ROCK: Grey with White, Slightly Weathered, Moderately Hard to Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing
580.3	27.4	5.0	3:30	100%	46%						Majority of jts @ 10° to 20° with iron staining 4 jts @ 45° with heavy iron staining 9 jts @ 80° to 90° with iron staining ranging in length from 0.2 foot to 1.2 feet
			4:15								
			5:05								
			4:45								
			4:30	(5.0)	(2.0)						
			4:30	100%	40%						
			5:15								
575.3	32.4	5.0	3:30								
			3:30	(5.0)	(2.3)						
			3:10	100%	46%						
			3:10								
			3:10								
570.3	37.4	5.0	3:30	(5.0)	(2.5)						
			3:30	100%	50%						
			3:30								
565.3	42.4		3:30								Coring Terminated at Elevation 565.3 feet in Crystalline Rock: Mafic Metavolcanic Rock
			3:30								
			3:30								

NCDOT CORE SINGLE FILE 07103014.GPJ NC_DOT_GDT 8/5/03