



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-A		BORING LOCATION 16+30		OFFSET 13ft LT		ALIGNMENT -L-								
COLLAR ELEV. 607.3 ft		NORTHING 900268.95		EASTING 1839143.52		0 HR. NA								
TOTAL DEPTH 38.3 ft		DRILL MACHINE CME 45		DRILL METHOD Wash Drill/NQ Core		24 HR. NA								
DATE STARTED 7/8/03		COMPLETED 7/9/03		SURFACE WATER DEPTH 5.0										
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				
612.3		Water Surface Elevation 612.3												
607.3	0.0	River Bottom Elevation 607.3												
603.8	3.5	7	9	7							W	607.3	ALLUVIAL: Medium Dense, Black and Brown, Silty, Fine to Coarse SAND with Gravel	0.00
599.0	8.3	35	65/0.3								604.8	WEATHERED ROCK: Red and Tan Mafic Metavolcanic Rock	2.5	
589.0	18.3	60/0.2									603.0	WEATHERED ROCK: Brown with White, Severely Weathered, Soft to Medium Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing	4.3	
		60/0.2									588.7	CRYSTALLINE ROCK: Dark Grey with White, Moderately to Slightly Weathered, Moderately Hard to Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing	18.6	
		60/0.2									581.4	WEATHERED ROCK: Brown, Severely Weathered, Soft Mafic Metavolcanic Rock with Very Close Fracture Spacing	25.9	
		60/0.2									578.9	CRYSTALLINE ROCK: Dark Grey with White, Slightly Weathered, Hard Mafic Metavolcanic Rock with Moderately Close to Close Fracture Spacing	28.4	
		60/0.2									569.0	Coring Terminated at Elevation 569.0 feet in Crystalline Rock: Mafic Metavolcanic Rock	38.3	

Note: River Water Alone Used As Drilling Fluid

MCDOT BORE FILE 07103014.GPJ NC_DOT.GDT 8/5/03



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DATE STARTED 7/8/03		COMPLETED 7/9/03		SURFACE WATER DEPTH 5.0						
CORE SIZE NQ				TOTAL RUN 33.6 ft		DRILLER R. Toothman				
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft)%	RQD (ft)%	SAMP. NO.	STRATA REC. (ft)%	RQD (ft)%	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 4.3 ft
603.0	4.3	4.0	2:00 3:10 1:50 1:40	(2.7) 68%	(NA)		(8.1) 58%	(NA)		WEATHERED ROCK: Brown with White, Severely Weathered, Soft to Medium Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing
599.0	8.3									Majority of jts @ 10° to 20°
598.8	8.5	4.8	N=60/0.2 4:10/0.8 5:30 3:45 4:35 3:55	(3.3) 69%	(NA)					
594.0	13.3	5.0	2:10 2:55 3:35	(2.1) 42%	(NA)					
589.0	18.3									
588.8	18.5	4.8	5:10 4:50 N=60/0.2 2:30/0.8	(4.7) 98%	(1.5) 31%		(7.3) 100%	(1.9) 26%		CRYSTALLINE ROCK: Dark Grey with White, Moderately to Slightly Weathered, Moderately Hard to Hard Mafic Metavolcanic Rock with Very Close to Close Fracture Spacing
584.0	23.3	5.0	2:45 4:30 5:05 4:45	(3.7) 74%	(0.4) 8%					Numerous near vertical and near horizontal jts Abundant iron staining of jts 22.3 feet to 24.6 feet
579.0	28.3	5.0	4:10 3:50 3:15 3:45 7:15	(4.9) 98%	(3.2) 64%		(1.1) 44%	(NA)		WEATHERED ROCK: Brown, Severely Weathered, Soft Mafic Metavolcanic Rock with Very Close Fracture Spacing
574.0	33.3	5.0	2:30 3:00 3:00 3:00	(5.0) 100%	(4.0) 80%		(9.9) 100%	(7.2) 73%		Very broken. CRYSTALLINE ROCK: Dark Grey with White, Slightly Weathered, Hard Mafic Metavolcanic Rock with Moderately Close to Close Fracture Spacing
569.0	38.3		2:50 3:15 3:15 3:15							Majority of jts @ 10° o 20° 3 jts @ 45° to 55° Very close fracture spacing 29.5 feet to 29.7 feet; 30.2 feet to 30.5 feet; and 31.6 feet to 31.8 feet
										Coring Terminated at Elevation 569.0 feet in Crystalline Rock: Mafic Metavolcanic Rock

MCDOT CORE SINGLE 07103014.GPJ NC_DOT.GDT 8/5/03