NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 38496.1.1	**TIP** B-4722B	**COUNTY** CARTERET	**GEOLOGIST** Contract Geologist
SITE DESCRIPTION BRIDGE NO. 33 ON -L- (US 70) OVER THE NORTH RIVER			**GROUND WTR (ft)**
BORING NO. B2-A	**STATION** 42+80	**OFFSET** 18 ft LT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. -2.8 ft	**TOTAL DEPTH** 76.8 ft	**NORTHING** 386,769	**EASTING** 2,716,879 — **24 HR.** N/A
DRILL RIG/HAMMER EFF./DATE MAD3964 CME-45C 83% 07/24/2012		**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Automatic
DRILLER Contract Driller	**START DATE** N/A	**COMP. DATE** 08/23/12	**SURFACE WATER DEPTH** 1.6ft

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION — ELEV. (ft)	DEPTH (ft)
5											
0								▼		WATER SURFACE	
	-2.8	0.0								GROUND SURFACE	0.0
-5			1	3	3	6				ALLUVIAL: GRAY CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND WOOD FRAGMENTS, WET	3.0
	-8.1	5.3								ALLUVIAL: GRAY SAND, SATURATED	6.3
-10			2	2	1	3				ALLUVIAL: GRAY CLAY WITH LITTLE TO MODERATE ORGANIC MATERIAL AND WOOD FRAGMENTS, WET	8.0
	-13.1	10.3								ALLUVIAL: GRAY SAND, SATURATED	
-15			WOH	WOH	WOH	0				ALLUVIAL: GRAY ORGANIC CLAY WITH SHELL FRAGMENTS, WET	
	-18.1	15.3									
-20			WOH	WOH	WOH	0				UNDIVIDED COASTAL PLAIN: GRAY SAND WITH SHELL FRAGMENTS, SATURATED	18.0
	-23.1	20.3									
-25			6	6	7	13					
	-28.1	25.3									
-30			2	4	1	5					
	-33.1	30.3									
-35			3	5	7	12					
	-38.1	35.3									
-40			20	25	30	55					
	-43.1	40.3									
-45			6	21	20	41					
	-48.1	45.3								UNDIVIDED COASTAL PLAIN: GRAY CLAY WITH SHELL FRAGMENTS, WET	48.0
-50			3	5	3	8				UNDIVIDED COASTAL PLAIN: GRAY SAND WITH SHELL FRAGMENTS, SATURATED	
	-53.1	50.3									
-55			5	5	5	10					
	-58.1	55.3									
-60			9	33	53	86					
	-63.1	60.3									
-65			93	100/0.1		100/0.1					
	-68.1	65.3									
-70			72	100/0.2		100/0.2					
	-73.1	70.3									
-75			4	6	10	16					

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-75						Match Line				
	-78.1	75.3	3	4	9	13				UNDIVIDED COASTAL PLAIN: GRAY SAND WITH SHELL FRAGMENTS, SATURATED *(continued)* — -79.6 / 76.8
										Boring Terminated at Elevation -79.6 ft in Medium Dense Sand