

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

SHEET 11 OF 13

PROJECT NO. 8.T311002		ID. R-2552B	COUNTY JOHNSTON	GEOLOGIST J. LOVE & E. CAMPBELL
SITE DESCRIPTION BRIDGE ON Y7 (SR 1554, CORBETT ROAD) OVER L (US 70 BYPASS)			GROUND WATER	
BORING NO. EB2-A	BORING LOCATION 14+63.3	OFFSET 3.7m LT	ALIGNMENT -Y7-	0 HR. NA
COLLAR ELEV. 99.79	NORTHING 207657.9	EASTING 655217.6	24 HR. 3.81	
TOTAL DEPTH 13.22	DRILL MACHINE CME 550	DRILL METHOD WASH BORING	HAMMER TYPE AUTOMATIC	
START DATE 7/18/01	COMPLETION DATE 8/24/01	SURFACE WATER DEPTH NA	DEPTH TO ROCK 13.22	

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
99.79													COASTAL PLAIN RED-BROWN SAND
98.00	1.68	5	10	12	0.3								
	3.20	4	9	15	0.3								
96.00	4.72	4	5	19	0.3					SS-25			BROWN, GRAVELLY, HIGHLY PLASTIC, CLAYEY SAND
94.00	6.24	2	3	4	0.3					SS-26	29.3		WHITE TO BROWN, GRAVELLY, HIGHLY PLASTIC, SANDY AND SILTY CLAY
	7.00	5	13	15	0.3					SS-27			
	7.66	50			0.01								GRAVEL, AND COBBLES IN SAND MATRIX
92.00													ONE OR MORE, CONTINUOUS, QUARTZITE BOULDERS
90.00													
88.00	12.06												RESIDUAL PINK-WHITE, LOOSE, SAPROLITIC, SILTY SAND
	12.70												
86.57	13.17	50			0.01								SOFT & HARD WEATHERED ROCK (GNEISS)
86.00													BORING TERMINATED AT ELEVATION 86.57 METERS ON HARD ROCK (GNEISS)
84.00													
82.00													
80.00													

## CORE BORING REPORT

PROJECT: 8.T311002 ID: R-2552B COUNTY: Johnston BORING NO: EB2-A

DESCRIPTION: Bridge on -Y7- (SR-1554, Corbett Road) over -L- (US 70 Bypass)

LOCATION OF BORING: -Y7- Station 14+63.3, 3.7m Lt

COMPLETION DATE: 8/24/01

COLLAR or GROUND ELEVATION: 99.79 m

CORE SIZE: H

GEOLOGIST: E. C. Campbell

CORE EQUIPMENT: H casing and core barrel

DRILLER: H. R. Conley

ELEV (m)	DEPTH (m)	DRILL RATE (min/0.5m)	RUN (m)	REC (%)	RQD (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
91.42	8.37			0.30	0.00		Coastal Plain Deposits, inferred boulder: gray, fresh, sound, massive quartzite. Some pyrite filled, vuggy porosity, with vugs to 1 cm.
			0.30	(100%)	(0%)		
91.12	8.67						Coastal Plain Deposits, inferred boulder: gray, pink, and pink-white, fresh, sound, massive quartzite, grading downwards to pink-white, slightly weathered, sound phyllite, with foliation dipping 45° - 60°. Minor vuggy porosity, with vugs to 1 cm, rarely filled with pyrite.
91.12	8.67			1.36	0.00		
				1.36	(100%)	(0%)	
89.76	10.03						Coastal Plain Deposits, inferred boulder: gray and pink, slightly weathered to fresh, mostly sound, (extremely to moderately fractured, 10.15 - 10.30), foliated quartzite. Foliation dips 60°. Some pyrite filled, vuggy porosity, with vugs to 1 cm.
89.76	10.03			1.53	0.00		
				1.53	(100%)	(0%)	
88.23	11.56						11.56 - 12.06, Coastal Plain Deposits, inferred boulder: gray and pink, slightly weathered to fresh, sound, foliated quartzite. Foliation dips 60°. Some pyrite filled, vuggy porosity, with vugs to 1 cm. 12.06 - 12.10: no recovery. Inferred Residual clayey sand.
88.23	11.56			0.54	0.00		
				0.54	(93%)	(0%)	
87.69	12.10						
							BOREHOLE TERMINATED AT ELEVATION OF 86.57 METERS, IN HARD ROCK (GNEISS).