

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 2

PROJECT NO. 8.T311002	ID. R-2552B	COUNTY JOHNSTON	GEOLOGIST F.M. WESCOTT
SITE DESCRIPTION -L- (US 70 BYPASS) OVER -YII-REV. (SR 1560 RELOC.)			GROUND WATER
BORING NO. BI-A	BORING LOCATION 97+51.00	OFFSET 11.0 m LT.	ALIGNMENT -L- LT.
COLLAR ELEV. 86.09 m	NORTHING 0.00	EASTING 0.00	0 HR. N.M. 24 HR. 7.2 m
TOTAL DEPTH 27.49 m	DRILL MACHINE MOBILE B-47	DRILL METHOD ROTARY W/MUD	HAMMER TYPE MANUAL
START DATE 5/31/01	COMPLETION DATE 6/1/01	SURFACE WATER DEPTH	DEPTH TO ROCK

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
86.09	0.0	3	4	6	0.3	X10							
	1.22	6	8	10	0.3	X18							
84.00	2.65	3	5	7	0.3	X12							SS-45
	4.18	3	4	7	0.3	X11							
	5.70	3	4	6	0.3	X10							
80.00	7.22	2	3	5	0.3	X8							SS-46
	8.75	3	5	6	0.3	X11							
	10.27	3	4	6	0.3	X10							
	11.79	2	4	5	0.3	X9							SS-47
	13.32	4	5	7	0.3	X12							
	14.84	4	8	10	0.3	X18							
	16.36	3	4	7	0.3	X11							SS-48
	17.89	3	3	7	0.3	X10							

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COLLAR ELEV. 86.09 m	NORTHING 0.00	EASTING 0.00	0 HR. N.M. 24 HR. 7.2 m
TOTAL DEPTH 27.49 m	DRILL MACHINE MOBILE B-47	DRILL METHOD ROTARY W/MUD	HAMMER TYPE MANUAL
START DATE 5/31/01	COMPLETION DATE 6/1/01	SURFACE WATER DEPTH	DEPTH TO ROCK

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
67.00	19.41	4	8	13	0.3	X21							
	20.94	7	14	20	0.3	X34							SS-49
	22.46	21	28	56	0.3	X84							
63.00	23.99	24	46	54	0.24	X100+							SS-50
	25.51	50	100		0.27	X100+							
	27.04	35	100		0.27	X100+							
	57.00												
	55.00												
	53.00												
	51.00												
	49.00												
	47.00												

TRICONE BIT REEUSAL AT  
 ELEV. 58.60 m ON HARD ROCK  
 (QUARTZ VEIN)

RED BROWN MICACEOUS  
 SANDY SILTY CLAY, MOI.  
 TO WET (RESIDUAL)

RED BROWN MICACEOUS  
 SANDY SILT, WET  
 (SAPROLITE)

GRAY TAN MICACEOUS SANDY  
 SILT, MOI. (GRANITIC  
 SOFT WEATHERED ROCK)