



N.C.D.O.T. GEOTECHNICAL UNIT  
BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.T311002		ID. R-2552AB		COUNTY Johnston		GEOLOGIST M. Lear							
SITE DESCRIPTION Site 1: Dual Structures on Clayton bypass (-L-) over White Oak Creek (Austin pond)							GROUND WATER (m)						
BORING NO. B5-A RL		BORING LOCATION 41+19.1		OFFSET 8.8m RT	ALIGNMENT -L-		0 HR. N/A						
COLLAR ELEV. 58.32 m		NORTHING 208,430.1		EASTING 652,947.2			24 HR. N/A						
TOTAL DEPTH 14.95 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud/Core		HAMMER TYPE 63.5 kg manual							
DATE STARTED 8/6/01		COMPLETED 8/6/01		SURFACE WATER DEPTH 0.02m									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
58.32													
58.32	0.00	WOH	1	1								Sat.	58.32 Alluvium: MUCK 0.00
57.14	1.18		1	2	3							Sat.	57.72 Alluvium: Gray CLAY (A-6) with wood fragments 0.80
55.52	2.80		10	6	12							Sat.	55.82 Alluvium: Tan and white, slightly clayey, fine to coarse SAND (A-3) with rounded quartz gravel 2.50
54.08	4.24		7	10	14							W	55.02 Interpreted as Alluvium: GRAVEL (A-1-a) (not sampled) 3.30 54.72 Residual: Tan and white, slightly sandy, clayey SILT (A-4) with relict rock fabric 3.60
52.54	5.78		15	15	19							W	53.32 Residual: Tan, white, orange, and green, clayey, silty, fine to coarse SAND (A-2-4) with relict rock fabric 5.00
51.01	7.31		16	16	24							M	
49.49	8.83		21	51	47							M	
47.94	10.38		13	17	17							M	
46.43	11.89		80	20/2cm									46.82 Soft Weathered Rock: Granite 11.50
44.94	13.38		100/7cm										44.67 Hard Rock: Gray, white, and pink, fine to medium grained, moderately to slightly weathered, moderately fractured to sound, moderately hard to hard Granite (2 joints at 20° with Fe-oxide stain; 2 joints at 60-70° with clay; 3 joints at 10-15°) 13.65
													43.37 Boring terminated at 14.95m (Elev. 43.37m) in Hard Rock: Granite 14.95

NCDOT BORE SINGLE BORELOG2.GPJ NC\_DOT.GDT 10/16/01



N.C.D.O.T. GEOTECHNICAL UNIT  
CORE BORING REPORT

SHEET NO.	TOTAL SHEETS
78	107

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COLLAR ELEV. 58.32 m		NORTHING 208,430.1		EASTING 652,947.2			24 HR. N/A			
TOTAL DEPTH 14.95 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud/Core		HAMMER TYPE 63.5 kg manual				
DATE STARTED 8/6/01		COMPLETED 8/6/01		SURFACE WATER DEPTH 0.02m						
CORE SIZE NQ				TOTAL RUN 1.50 m		DRILLER D. White				
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (%)	RQD (%)		REC. (%)	RQD (%)		
										Begin Coring @ 13.45 m
44.87	13.45	1.50	6:48	(1.30)	(0.86)		(0.00)	(N/A)		44.67 No Recovery-Soft Weathered Rock: Granite 13.65
			4:05	87%	57%		0%	(0.86)		Hard Rock: Gray, white, and pink, fine to medium grained, moderately to slightly weathered, moderately fractured to sound, moderately hard to hard Granite (2 joints at 20° with Fe-oxide stain; 2 joints at 60-70° with clay; 3 joints at 10-15°)
			4:03				(1.30)	66%		
			3:40				100%			
43.37	14.95		6:17							43.37 Coring terminated at 14.95m (Elev. 43.37m) in Hard Rock: Granite 14.95

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