



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. B4-B LL		BORING LOCATION 40+66.5		OFFSET 8.8m LT		ALIGNMENT -L-								
COLLAR ELEV. 58.48 m		NORTHING 208,464.7		EASTING 652,904.0		0 HR. 0.11								
TOTAL DEPTH 15.76 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/NQ Core		HAMMER TYPE 63.5 kg manual								
DATE STARTED 8/17/01		COMPLETED 8/20/01		SURFACE WATER DEPTH N/A										
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	
58.48	0.00	WOH	1	1								58.48	0.00	
57.14	1.34		5	8	13									Alluvium: Gray, slightly sandy, silty CLAY (A-6) with roots, wood fragments, and organic debris
55.60	2.88		6	12	13									Alluvium: White, fine to coarse SAND (A-3) with rounded and angular quartz gravel
54.07	4.41		7	8	13									Interpreted as Alluvium: Gravel (A-1-a) (not sampled) Residual: Tan, slightly sandy, clayey SILT (A-4) with relict rock fabric
52.53	5.95		8	9	36									
51.04	7.44		48	52/8cm										Soft Weathered Rock: Granite
49.54	8.94		100/2cm											Interpreted as Hard Weathered Rock: Granite (not sampled)
														Hard Rock: Pink and white, fine to medium grained, moderately weathered, sound, moderately hard Granite No Recovery-Interpreted as Hard Weathered Rock: Granite
														Hard Rock: Gray and pink, fine to medium grained, slightly to very slightly weathered, moderately fractured to sound, hard to very hard Granite (7 joints at 80-90° with clay; 6 joints at 70-80° with clay; 5 joints at 40-50° with clay; 10 joints at 20-30° with clay; extremely fractured zone from 12.16m to 12.26m)
														Boring terminated at 15.76m (Elev: 42.72m) in Hard Rock: Granite

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



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DATE STARTED 8/17/01		COMPLETED 8/20/01		SURFACE WATER DEPTH N/A						
CORE SIZE NQ			TOTAL RUN 6.80 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 @ 8.96 m
49.52	8.96	0.80	2:47 1:44	(0.43) 54%	(0.40) 50%		(0.43) 100%	(0.40) 93%		Hard Rock: Pink and white, fine to medium grained, moderately weathered, sound, moderately hard Granite
48.72	9.76		0:46/0.20				(0.00) 0%	(N/A)		No Recovery-Interpreted as Hard Weathered Rock: Granite
		1.50	0:11 0:13 0:10 3:32 3:23	(0.52) 35%	(0.33) 22%					
47.22	11.26						(5.02) 100%	(3.16) 63%		Hard Rock: Gray and pink, fine to medium grained, slightly to very slightly weathered, moderately fractured to sound, hard to very hard Granite (7 joints at 80-90° with clay; 6 joints at 70-80° with clay; 5 joints at 40-50° with clay; 10 joints at 20-30° with clay; extremely fractured zone from 12.16m to 12.26m)
		1.50	3:00 3:34 2:59 2:37 3:01	(1.50) 100%	(0.72) 48%					
45.72	12.76									
		1.50	2:25 2:38 2:20 2:27 2:29	(1.50) 100%	(1.16) 77%					
44.22	14.26									
		1.50	2:33 3:08 2:45 4:05 5:59	(1.50) 100%	(0.95) 63%					
42.72	15.76									Coring terminated at 15.76m (Elev: 42.72m) in Hard Rock: Granite

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