



PROJECT NO. 8.T311002		ID. R-2552AB		COUNTY Johnston		GEOLOGIST M. Lear/J. Bryson								
SITE DESCRIPTION Site 1: Dual Structures on Clayton bypass (-L-) over White Oak Creek (Austin pond)						GROUND WATER (m)								
BORING NO. B7-A RL		BORING LOCATION 41+69.3		OFFSET 8.8m RT		ALIGNMENT -L-								
COLLAR ELEV. 59.05 m		NORTHING 208,411.8		EASTING 652,993.8		0 HR. 0.25								
TOTAL DEPTH 15.73 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud/Core		HAMMER TYPE 63.5 kg manual								
DATE STARTED 8/29/01		COMPLETED 8/30/01		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	
59.05	0.00	1	7	1									59.05	Alluvium: Tan, fine SAND (A-3) with organic debris
57.73	1.32	1	2	1									58.55	Alluvium: Gray CLAY (A-6) with organic debris
56.20	2.85	4	7	9									56.95	Alluvium: Gray and orange, slightly sandy, clayey, SILT (A-4)
54.73	4.32	7	5	7									55.55	Residual: Tan, micaceous, clayey, sandy SILT (A-4) with relict rock fabric
53.14	5.91	7	11	16									50.75	Soft Weathered Rock: Granite
51.29	7.76	6	10	12									48.29	Hard Rock: Greenish white with Fe-stain, fine to medium grained, slightly weathered, moderately fractured to sound, hard Granite (8 joints at 20-30°, 1 joint at 80°)
50.13	8.92	14	50	50/6cm									45.55	Soft Weathered Rock/Hard Weathered Rock: Granite
48.59	10.46	14	86/10cm	50/0cm									44.39	Hard Rock: Greenish white and tan with Fe-stain, fine to medium grained, slightly weathered, moderately fractured to sound, hard Granite (6 joints at 20-30°, 2 joints at 70° with clay)
48.29	10.76	14	86/10cm	50/0cm									43.32	Boring terminated at 15.73m (Elev. 43.32m) in Hard Rock: Granite

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



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DATE STARTED 8/29/01		COMPLETED 8/30/01		SURFACE WATER DEPTH N/A						
CORE SIZE NQ				TOTAL RUN 4.97 m		DRILLER D. White				
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (m) %	RQD (m) %		REC. (m) %	RQD (m) %		
										Begin Coring @ 10.76 m
48.29	10.76	0.47	4:22	(0.44)	(0.27)		(2.63)	(2.06)		48.29 Hard Rock: Greenish white with Fe-stain, fine to medium grained, slightly weathered, moderately fractured to sound, hard Granite (8 joints at 20-30°, 1 joint at 80°)
47.82	11.23	1.50	N=50/0cm 2:45/0.17	94%	57%		96%	75%		
			3:56	94%	78%					
			3:59							
			3:13							
			3:21							
46.32	12.73	1.50	2:49	(0.92)	(0.62)					45.55 Soft Weathered Rock/Hard Weathered Rock: Granite
			2:40	61%	41%		(0.13)	(N/A)		
			2:27							
			2:37							
			3:46							
			3:49							
44.82	14.23	1.50	2:41	(1.07)	(0.58)		(1.07)	(0.58)		44.39 Hard Rock: Greenish white and tan with Fe-stain, fine to medium grained, slightly weathered, moderately fractured to sound, hard Granite (6 joints at 20-30°, 2 joints at 70° with clay)
			1:46	71%	39%		100%	54%		
			2:08							
			2:46							
			3:18							
43.32	15.73									Coring terminated at 15.73m (Elev. 43.32m) in Hard Rock: Granite

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