



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. B7-B LL		BORING LOCATION 41+41.3		OFFSET 8.8m LT		ALIGNMENT -L-	0 HR. 0.08						
COLLAR ELEV. 58.47 m		NORTHING 208,438.5		EASTING 652,974.3			24 HR. 0.05						
TOTAL DEPTH 14.37 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud/Core		HAMMER TYPE 63.5 kg manual							
DATE STARTED 8/13/01		COMPLETED 8/14/01		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
58.47	0.00	WOH	WOH	1								Sat	58.47 Alluvium: Gray CLAY (A-6) with roots, organic debris, and wood fragments 0.00
57.12	1.35	2	3	3								Sat	
55.64	2.83	8	7	4								Sat	55.97 Alluvium: Tan, fine to coarse sandy rounded quartz GRAVEL (A-1-a) 2.50
54.11	4.36	4	9	17								W	55.34 Residual: Tan, white, and pink, sandy, clayey SILT (A-4) with relict rock fabric 3.13
52.56	5.91	15	24	27								W	53.27 Residual: Tan and brown, clayey, silty, SAND (A-2-4) with relict rock fabric 5.20
51.03	7.44	16	32	37								W	
49.52	8.95	18	24	28								W	
48.03	10.44	95	5/1cm									W	48.47 Soft Weathered Rock: Granite 10.00
46.51	11.96	50/1cm											46.57 No Recovery-Interpreted as Hard Weathered Rock: Granite 11.80
													46.05 Hard Rock: Green and white, fine to medium grained, moderately weathered, moderately fractured to sound, moderately hard Granite (4 joints at 15-20°) 12.42
													45.24 Hard Rock: Gray, pink, and white, fine to medium grained, very slightly weathered to fresh, sound, very hard Granite 13.23
													44.99 No Recovery-Interpreted as Hard Weathered Rock: Granite 13.48
													44.10 Hard Rock: Gray, pink, and white, fine to medium grained, very slightly weathered to fresh, sound, very hard Granite 14.37
Boring terminated at 14.37m (Elev: 44.10m) in Hard Rock: Granite													
Bits used: 7.6cm roller cone and NQ core bit													
Drilling Fluid: Water and 1.02g/cm ³													

NCDOT BORE SINGLE BORELOG2.GPJ NC_DOT.GDT 10/16/01



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DATE STARTED 8/13/01		COMPLETED 8/14/01		SURFACE WATER DEPTH N/A						
CORE SIZE NQ		TOTAL RUN 2.40 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 @ 11.97 m
46.50	11.97	0.90	2:00	(0.45)	(0.40)		(0.00)	(N/A)		No Recovery-Interpreted as Hard Weathered Rock: Granite 12.42
45.60	12.87		1:11	50%	44%		0%			
		1.50	1:24				(0.81)	(0.61)		46.05 Hard Rock: Green and white, fine to medium grained, moderately weathered, moderately fractured to sound, moderately hard Granite (4 joints at 15-20°) 13.23
			2:02	(1.25)	(1.10)		100%	75%		45.24 Hard Rock: Gray, pink, and white, fine to medium grained, very slightly weathered to fresh, sound, very hard Granite 13.48
			2:35	83%	73%		(0.00)	(N/A)		44.99 No Recovery-Interpreted as Hard Weathered Rock: Granite
			4:33				0%	(0.89)		44.10 Hard Rock: Gray, pink, and white, fine to medium grained, very slightly weathered to fresh, sound, very hard Granite
44.10	14.37		3:47				(0.89)	100%		
			3:55				100%			Coring terminated at 14.37m (Elev: 44.10m) in Hard Rock: Granite 14.37

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