



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. B6-B RL		BORING LOCATION 41+52.0		OFFSET 21.6m RT		ALIGNMENT -L-				
COLLAR ELEV. 58.63 m		NORTHING 208,406.3		EASTING 652,973.1		0 HR. 0.00				
TOTAL DEPTH 18.67 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/NQ Core		HAMMER TYPE 63.5 kg manual				
DATE STARTED 7/30/01		COMPLETED 7/31/01		SURFACE WATER DEPTH N/A						
CORE SIZE NQ		TOTAL RUN 9.75 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 @ 8.91 m
49.72	8.91	0.85	2:39	(0.67)	(0.52)		(0.00)	(N/A)		49.54 No Recovery-Interpreted as Hard Weathered Rock: Granite 9.09
48.87	9.76		3:23	79%	61%		0%	(0.52)		Hard Rock: Green and white, fine to medium grained, moderately weathered, extremely fractured to sound, moderately hard Granite (1 joint at 40°)
		1.50	2:01	(0.70)	(0.30)		100%	(N/A)		48.65 No Recovery-Interpreted as Hard Weathered Rock: Granite 9.98
			2:17	47%	20%		0%			47.85 No Recovery-Interpreted as Hard Weathered Rock: Granite 10.78
47.37	11.26		1:52				(0.97)	(0.30)		Hard Rock: Green, white, and pink, fine to medium grained, moderately weathered, extremely fractured to sound, moderately hard Granite (1 joint at 40°; 2 joints at 80-90°)
		1.50	2:27	(0.49)	(0.00)		100%	31%		46.88 No Recovery-Interpreted as Hard Weathered Rock: Granite 11.75
45.87	12.76		2:09				(0.00)	(N/A)		45.69 No Recovery-Interpreted as Hard Weathered Rock: Granite 12.94
45.86	12.77	1.50	3:25	(1.33)	(0.91)		(2.73)	(1.65)		Hard Rock: Green, white, and pink, fine to medium grained, moderately weathered, moderately fractured to sound, moderately hard Granite (12 joints at 30-40°; 1 joint at 50°; 2 joints at 80-90°, extremely fractured zone from 15.28m to 15.77m (vertical joints))
44.36	14.27		5:16	89%	61%		100%	60%		
		1.50	2:22	(1.40)	(0.74)					
			2:35	93%	49%					
42.86	15.77		2:00				(0.00)	(N/A)		42.96 No Recovery-Interpreted as Hard Weathered Rock: Granite 15.67
		1.50	2:09	(0.91)	(0.00)		0%			42.30 No Recovery-Interpreted as Hard Weathered Rock: Granite 16.33
41.36	17.27		3:05	61%	0%		(2.09)	(0.75)		Hard Rock: Pink and gray, fine to medium grained, moderately weathered, extremely fractured to sound, moderately hard Granite (4 joints at 20-30°; 3 joints at 70-80° with clay; 1 joint at 90° with clay; extremely fractured zone from 18.28m to 18.42m-no recovery due to core blocking off)
		1.40	6:20	(1.18)	(0.75)		89%	32%		
			2:33	84%	54%					
39.96	18.67		2:43							39.96 Coring terminated at 18.67m (Elev: 39.96m) in Hard Rock: Granite 18.67
			2:37							
			2:44/0.20							

NCDOT CORE SINGLE BORELOGZ.GPJ NC DOT.GDT 10/16/01