



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-A LL		BORING LOCATION 41+08.7		OFFSET 21.7m LT	ALIGNMENT -L-		0 HR. N/A							
COLLAR ELEV. 58.10 m		NORTHING 208,462.2		EASTING 652,948.3		24 HR. N/A								
TOTAL DEPTH 14.36 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/NQ Core		HAMMER TYPE 63.5 kg manual								
DATE STARTED 8/15/01		COMPLETED 8/15/01		SURFACE WATER DEPTH 0.11m										
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	
58.10	0.00	WOH	WOH	WOH									58.10 0.00	Alluvium: Gray, slightly sandy, silty CLAY (A-6) with roots and organic debris
56.71	1.39	4	8	7									55.45 2.65	Alluvium: Tan, fine to coarse sandy, rounded, quartz GRAVEL (A-1-a) Residual: Brown, micaceous, clayey, silty SAND (A-2-5) with relict rock fabric
55.25	2.85	9	9	6									54.95 3.15	
53.62	4.48	3	3	5									51.30 6.80	Soft Weathered Rock: Gneiss with Granitic veins
52.14	5.96	7	13	60									48.53 9.57	Hard Rock: Dark gray, fine to medium grained, moderately weathered, moderately fractured, moderately hard Gneiss (2 joints at 30-40° with MnO stain) No Recovery-Interpreted as Hard Weathered Rock: Gneiss Hard Rock: Gray and dark green, fine to medium grained, very slightly weathered to fresh, moderately fractured to sound, hard Gneiss (6 joints at 60-70° with clay and mica; 2 joints at 20-30° with mica and clay; 2 joints at 15-20° with trace clay; Granitic dike cutting Gneiss foliation from 13.40m to 13.89m)
50.64	7.46												48.24 9.86	
49.15	8.95												47.67 10.43	
													43.74 14.36	Boring terminated at 14.36m (Elev: 43.74m) in Hard Rock: Gneiss Bits used: 7.6cm roller cone and NQ core bit Drilling Fluid: Water

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



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CORE SIZE NQ				TOTAL RUN 5.36 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 @ 9.00 m
49.10	9.00	0.86	2:17	(0.29)	(0.00)		(0.00)	(N/A)		Soft Weathered Rock: Gneiss with Granitic veins
48.24	9.86		1:06	34%	0%		0%			48.53 9.57
		1.50	1:37/0.26				(0.29)	(0.00)		48.24 9.86
			1:33	(0.93)	(0.76)		100%	0%		47.67 10.43
			5:11	62%	51%		(0.00)	(N/A)		
			6:43				0%	(2.79)		
46.74	11.36		7:40				(3.70)	71%		
		0.57	6:01				94%			
46.17	11.93		4:06	(0.57)	(0.00)					
		0.93	7:39/0.27	100%	0%					
			4:45	(0.70)	(0.53)					
45.24	12.86		5:20	75%	57%					
		1.50	6:20							
			5:04	(1.50)	(1.50)					
			4:00	100%	100%					
			3:22							
43.74	14.36		3:27							
			3:45							
										43.74 14.36
										Coring terminated at 14.36m (Elev: 43.74m) in Hard Rock: Gneiss

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