

N.C.D.O.T. GEOTECHNICAL UNIT BORING LOG

PAGE 1 OF 1

OF TI	AMBY											,		E 1 OF		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PROJE	CT NO.	33	3296.1.	1	ID No.	B-38	348 C	OUNTY	Guilfo	ord		GEOLOGI	ST G	S.Licayan/P.V	Veaver	
SITE DI	ESCRIP	TION	Bridge	No. 10	2 Over Lake Hi	ggins/Brush (Creek or	SR 212	24					GROUN	D WATER (ft)
BORING	G NO.	B1-B		во	RING LOCATIO	ON 13+29		OFFSI	ET 21f	RT		ALIGNMENT -L-		0 HR.	NA	
COLLA	R ELEV.	759.	5 ft	NORTI	IING 874700	0.80		EASTI	NG 1	734172	2.34			24 HR.	NA	
TOTAL	DEPTH	59.7	ft	DRILL	MACHINE CM	E 45 SKID	DRILL	METH	OD Wa	sh Rota	ary/N	IQ Core	HAM	MER TYPE	140 lb Mai	nua
DATE S	STARTE	5 /1	8/05		COMPLE	ETED 5/20/0	5	SURF	ACE W	ATER [DEP1	Г Н 5.5 ft				
ELEV.	DEPTH	BLC	W COL	INT	BI	LOWS PER FO	OT		SAMP.	V /	L	SOII AN	D BOC	K DESCRIPTI	ON	
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0 20	40 60	80	100	NO.	моі	Ğ	SOIL AN		K DESCINIT II		
								,								
					,	M/-1 0	_									
765.0						Water Surfac	9		<u> </u>		一					
-											E					
	-					Mudling					E	- -759.5				0
758.5 -	- 1.0				1	Mud Line				247		ALLUVIAL: V	ery Soft	to Stiff, Grey,	Clayey,	
756.0	3.5	WOR	WOR	WOH	WOH					SAT	F	Coarse to Fine Organics (Dec	aved P	lant Material),	Trace	
_	_	3	4	2	;) 6				SS-8	51.3%	F	Mica, and a S	and Lay	er from 6.0ft to	o 6.5ft.	
753.5 -	6.0	2	WOH	1	1					w	::F	•			•	
751.0	8.5	3	4	5						w	-	•				
-	ţ .	J	7							"		- ·				
746.0	13.5										-	.				
740.0	13.5	3	3	3	6					w	1	-				
	‡											- 743.5 - ALLUVIAL: N	ledium I	Dense, Grey to	Orange,	
741.0	18.5			10					SS-9	w		Silty, Fine to C Mica and Gra		SAND with a T	race of	
` -	‡	1	6	10	16				30-9	┤		- -				
	±				: : : [. : : : : : : : : : : : : : : : :							•				
736.0	23.5	5	5	6	11					w		, -				
	<u> </u>											<u>.</u>				
731.0	28.5											- - 730.5				
-	\pm	25	50	50/4				. 100/,9			2	- WEATHEREI		C: White and E Very Soft to S		
726.8	32.7							: : :					HOSED	GRANITIC RO		
	<u> </u>	54	46/.3					. 100/.8				- Very Glose Fi	acture c	Spacing		
	Ŧ											- -				
721.8	37.7	58	42/.2								3	<u> </u>				
-	Ŧ							. 100/./								
716.8	42.7											<u>.</u>				
7 10.0	+	100/.3						100/.3			S	- -				
-	Ŧ							: : :				- -				
711.8	47.7	60/4	-								S	711.8 CRYSTALLIN	IF ROC	K: White, Blad	ck and	
-	‡	60/.1										Grev: Modera	telv We	athered; Media TAMORPHOS	um Hard to 🕝	
	‡										 	- GRANITIĆ R	OCK wit	th Very Close I	Fracture	
	‡											- Spacing - CRYSTALLIN	IE ROC	K: White, Bla	ck and Grey	
-	‡										\ '/	 Moderately H 	ard to H	htly Weathered lard; METAMC	RPHOSED	
	‡													th Close Fractu K: Black, Whi		
-	‡	<u> </u>	<u> </u>	<u> </u>					ļ			egg and Grey; Fre	sh; Ver			
Į .	‡											Wide Fracture	e Spacir			
í	‡											_ CRYSTALLIN	IE ROC	K: METAMOF		
_	‡											GRANITIC R		1 .1 . 344 4	Laura	
	‡											- Note: Drilling -	Fluid =	Lake Water A	none	
	+															



CORE BORING REPORT

SHEET 19 OF 34

PAGE 1 OF 1

OP TRANST									PAGE 1 OF 1								
PROJECT No. 33230.111								B-38	348	COI	OUNTY Guilford GEOLOGIST G.Licayan/P.Weaver						
SITE DESCRIPTION Bridge No. 102 Over Lake Higgins/Brush Creek on SR 2124										R 2124 GROUND WATER (ft)							
BORING	G NO.	B1-B		BOF	RING L	OCATIO	N 13	+29			OFFSET 21ft RT ALIGNMENT -L- 0 HR. NA						
COLLA	COLLAR ELEV. 759.5 ft NORTHING 874700.80										EASTING 1734172.34 24 HR. NA						
TOTAL	TOTAL DEPTH 59.7 ft DRILL MACHINE CME 45 SKID DRILL										METHOD Wash Rotary/NQ Core HAMMER TYPE 140 lb Manual						
DATE S	DATE STARTED 5/18/05 COMPLETED 5/20/05										SURFACE WATER DEPTH 5.5ft						
CORE	CORE SIZE NQ TOTAL RUN 27.9 ft									!	DRILLER R.Toothman						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	RQD (ft) %	SAMP. NO.	REC. (ft) %	RQD (ft) %	LOG		DESCRIPTION AND REMARKS						
											Begin Coring @ 29.9 ft						
729.6 726.8	29.9 32.7	2.8	:25/0.8 :33 :36	(0.0) 0%	(NA)		(0.8) 5%	(NA)		- 729. 							
726.0	33.5	4.2	N=100/.8 :07/0.2 :27	(0.0)	(NA)					F							
721.8	37.7		:30 :34						5	F							
721.1	38.4	4.3	:35 N=100/.7 :16/0.3	(0.0)	(NA)					<u>-</u>							
716.8 716.5	42.7 43.0	4.7	:52 :28	(0.8)	(NA)					F							
			:42 :54 N=100/.3	17%						F							
711.8 711.7	47.7 47.8	4.9	:41/0.7 1:00	(3.5)	(3.0)		(0.3)	(0.0)	K	711.	CRYSTALLINE ROCK: White Black and Grev: Moderately Weathered:						
1 ''''	47.0	1.5	1:15 :40	71%	61%		17% (1.3)	0% (1.1)	 	710. - 708.	3.7 Very Close Fracture Spacing 50.8						
706.8	52.7		:52 N=60/.1	1			\ <u>100%</u> / (8.9)	\ <u>85%</u> (8.9)	\mathcal{L}^{7}	-	CRYSTALLINE ROCK: White, Black and Grey, with Some Pink; Slightly Weathered; Moderately Hard to Hard; METAMORPHOSED GRANITIC ROCK						
		4.0	1:10/0.9 2:56	(4.0) 100%	(4.0) 100%	,	100%	100%	1/	Ļ	with Close Fracture Spacing						
702.8	56.7	3.0	3:20 5:00	(3.0)	(3.0)	ļ			11	F	2 Joints at 10 Degrees to 20 Degrees 2 Joints at 60 Degrees to 70 Degrees with Heavy Iron Staining						
699.8	59.7		6:30 4:50	100%		,			K//	L 699.	9.8 Partially Healed High Angle Fractures 59:						
			4:50 5:50							E	CRYSTALLINE ROCK: Black, White to Tan and Grey; Fresh; Very Hard; METAMORPHOSED GRANITIC ROCK with Wide Fracture Spacing						
			7:25 7:15	4						-	No Natural Breaks						
			5:30 6:00							-	Boring Terminated at Elevation 699.8ft in CRYSTALLINE ROCK: METAMORPHOSED GRANITIC ROCK						
										<u> </u>	Note: Run #6 and Run #7 Cut Short Due to Core Left in Ground from Previous Runs						
										E							
										F							
										E							
										E							
										E							
90/05										E							
1 6/2										L							
GD.										_							
8										L							
ž										L							
SC.G.										F							
0501										F							
071										F							
ING ING										E							
SE										F							
NCDOT CORE SINGLE 07105012C.GPJ NC_DOT.GDT 6/20/05										F							
Ž										<u> </u>							