

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 23 OF 70

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO. 33377.1.1	ID. B-4009	COUNTY ANSON	GEOLOGIST STICKNEY J.K.
SITE DESCRIPTION BRIDGE NO. 33 OVER BROWN CREEK ON US 74 WBL			GROUND WATER
BORING NO. B1-B	BORING LOCATION 35+82.00	OFFSET 8.10	ALIGNMENT L
COLLAR ELEVATION 241.20	NORTHING 457175.0119	EASTING 1644617.4922	0 HR.
TOTAL DEPTH 41.4	DRILL MACHINE CME-550X	DRILL METHOD NWCAS/NXWL	24 HR.
START DATE 3/22/05	COMPLETION DATE 3/22/05	SURFACE WATER DEPTH 1.0	DEPTH TO ROCK 19.2

PROJECT NO: 33377.1.1 PROJECT ID: B-4009 COUNTY: ANSON GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE NO. 33 ON US 74 OVER BROWN CREEK DRILLER: C.L. SMITH
 BORING NO: B1-B BORING LOCATION (STA): 35+82 -L- OFFSET: 8.10' RT.
 COLLAR ELEV: 241.20' PERSONNEL: CORE SIZE: NXWL
 TOTAL DEPTH: 41.40' DRILL MACHINE: CME-550 DATE STARTED: 03/22/05
 TOTAL RUN: 22.20' DRILL EQUIP: DATE COMPLETED: 03/22/05

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
241.20														
240.00	2.6	0	0	0	1									(ALLUVIUM) GRAY V. SOFT TO SOFT SANDY SILTY CLAY (A-6)
235.00	7.6	0	1	2	1									
230.00	12.6	23	24	10	1									GRAY DENSE CSE. SAND (A-1-B) W/WOOD
225.00	17.6	20	75	25	0.6									(TRIASSIC) RED-PURPLE V. STIFF F. SANDY CLAYEY SILT (A-4)
220.00	19.2													WEATHERED ROCK (RED-PURPLE HARD SANDY CLAYEY SILT) (A-4)
215.00	22.3													(NON-CRYSTALLINE ROCK) RED-BRN SEV. WEATH. SOFT MUDSTONE REC=100% RQD=0%
210.00	27.2													RED-BRN MOD. SEV. WEATH. MED. HARD MUDSTONE TO 25.10 THEN GRAY SLI WEATH. MOD. HARD SANDSTONE REC=96% RQD=57%
205.00	32.1													GRAY SLI WEATH. HARD SANDSTONE REC=100% RQD=89%
200.00	36.9													RED-GRAY MOD. SEV. WEATH. MED. HARD MUDSTONE REC=85% RQD=33%
195.00														RED-GRAY MOD. WEATH. MOD. HARD MUDSTONE REC=100% RQD=63%
190.00														
185.00														
180.00														
175.00														
170.00														
165.00														

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
222.00	19.20		1	100	0		RED/BRN., SEV. WEATH., SOFT, MUDSTONE. FS = THIN
218.90	22.30		2	96	57		RED/BRN., MOD. SEV. WEATH., MED. HARD, MUD- STONE TO 25.10'. THEN GRAY, SLI. WEATH., MOD. HARD SANDSTONE FS = THIN TO THICK
214.00	27.20		3	100	89		GRAY, SLI. WEATH., HARD SANDSTONE *LOST WATER RETURN STARTING @ 29.10' FS = THICK
209.10	32.10		4	85	33		RED/GRAY, MOD. SEV. WEATH., MED. HARD, MUD- STONE. *NO WATER RETURN FOR ENTIRE RUN.
204.30	36.90		5	100	63		FS = THIN RED/GRAY, MOD. WEATH., MOD. HARD, MUD- STONE. *WATER RETURN RESUMES. (36.90')
199.80	41.40					RS-12	FS = THIN

NOTES

TERMINATED BORING AT
 ELEV. 199.80 IN MOD. WEATH.
 MOD. HARD MUDSTONE