

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 34 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 TODD R.W.
SITE DESCRIPTION BRIDGE NO. 33 OVER BROWN CREEK ON US 74 WBL			GROUND WATER
BORING NO. B7-A	BORING LOCATION 38+66.50	OFFSET -7.70	ALIGNMENT L
COLLAR ELEVATION 243.90	NORTHING 457025.1835	EASTING 1644859.8583	0 HR.
TOTAL DEPTH 39.4	DRILL MACHINE CME-550X	DRILL METHOD NWCAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 3/21/05	COMPLETION DATE 3/21/05	SURFACE WATER DEPTH	DEPTH TO ROCK 21.5

PROJECT NO: 33377.1.1 PROJECT ID: B-4009 COUNTY: ANSON GEOLOGIST: R.W. TODD
 SITE DESCRIPTION: BRIDGE NO. 33 ON US 74 OVER BROWN CREEK DRILLER: C.L. SMITH
 BORING NO: B7-A BORING LOCATION (STA): 38+66.5 -L- OFFSET: 7.70' LT.
 COLLAR ELEV: 243.90' PERSONNEL: CORE SIZE: NXWL
 TOTAL DEPTH: 39.40' DRILL MACHINE: CME-550 DATE STARTED: 03/21/05
 TOTAL RUN: 17.90' DRILL EQUIP: DATE COMPLETED: 03/21/05

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
				0	25	50	75			
243.90										(ALLUVIUM) BRN V. SOFT TO SOFT F. SANDY SILTY CLAY (A-6)
240.00										
235.00	10.3	11	17	12						GRAY & WHITE MED. DENSE CLAYEY SILTY CSE. SAND WQTZ. GRAVEL (A-1-B)
230.00	15.3	8	21	24						(TRIASSIC) RED-BRN HARD CLAYEY F. SANDY SILT (A-4)
225.00	21.3	100								WEATHERED ROCK (RED-BRN HARD CLAYEY F. SANDY SILT (A-4))
220.00	21.5									(NON-CRYSTALLINE ROCK) RED-BRN SLI. WEATH. MOD. HARD MUDSTONE REC=97% RQD=83%
215.00	25.1									RED-BRN SLI. WEATH. MOD. HARD MUDSTONE TO 27.2 THEN GRAY SLI. WEATH. MOD. HARD SANDSTONE REC=100% RQD=100%
210.00	29.9									GRAY SLI. WEATH. MOD. HARD SANDSTONE REC=100% RQD=76%
205.00	34.7									GRAY SLI. WEATH. MOD. HARD SANDSTONE REC=100% RQD=100%
200.00										
195.00										
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
222.40	21.50		1	97	83		RED/BRN., SLI. WEATH., MOD. HARD, MUDSTONE. FS = THIN
218.80	25.10		2	100	100	RS-14	AS ABOVE TO 27.20'. THEN, GRAY., SLI. WEATH., MOD. HARD, SANDSTONE. FS = THIN TO THICK
214.00	29.90		3	100	76		GRAY, SLI. WEATH., MOD. HARD, SANDSTONE. FS = THICK
209.20	34.70		4	100	100		GRAY, SLI. WEATH., MOD. HARD, SANDSTONE. FS = THICK
204.50	39.40						

NOTES

TERMINATED BORING AT
 ELEV. 204.50 IN SLI. WEATH.
 MOD. HARD MUDSTONE