

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

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. B3-B		BORING LOCATION 36+88.00		OFFSET 8.20		ALIGNMENT L								
COLLAR ELEVATION 242.90		NORTHING 457114.2784		EASTING 1644704.3683										
TOTAL DEPTH 48.0		DRILL MACHINE CME-550X		DRILL METHOD NWCAS/NXWL		HAMMER TYPE AUTOMATIC								
START DATE 3/28/05		COMPLETION DATE 3/28/05		SURFACE WATER DEPTH 4.8		DEPTH TO ROCK 20.8								
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG MOI.	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
242.90														(ALLUVIUM) GRAY & BRN V. SOFT TO SOFT CLAYEY F. SANDY SILT (A-4)
240.00	3.8	0	0	0	1	0								
235.00	8.8	1	2	2	1	4							SS-23 SAT	
230.00	13.8	2	3	8	1	11							SAT	GRAY MED DENSE SILTY CSE. SAND W/GRAVEL & QTZ. RK. (A-1-B)
225.00	18.8	22	51	49	0.9	100*							D	(TRIASSIC) GRAY-WHITE V. STIFF F. SANDY CLAYEY SILT (A-4)
220.00	20.8													WEATHERED ROCK (NON-CRYSTALLINE ROCK)
215.00	23.5													RED-BRN SEV. WEATH. SOFT MUDSTONE REC=85% RQD=0%
210.00	28.5													GRAY-BRN SEV. WEATH. SOFT SANDSTONE REC=83% RQD=17%
205.00	33.3													RED-BRN SLI. WEATH. MOD. HARD MUDSTONE REC=100% RQD=92%
200.00	38.2													RED-BRN MOD. TO SLI. WEATH. SOFT TO MOD. HARD MUDSTONE REC=100% RQD=70%
195.00	43.1													RED-BRN SEV. WEATH. SOFT MUDSTONE REC=95% RQD=0%
190.00														RED-BRN SLI. WEATH. MOD. HARD MUDSTONE REC=96% RQD=80%
185.00														
180.00														
175.00														
170.00														
165.00														TERMINATED BORING AT ELEV. 194.90 IN SLI. WEATH. MOD. HARD MUDSTONE

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

SHEET 27 OF 70

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: B3-B BORING LOCATION (STA): 36+88 -L- OFFSET: 8.20' RT.  
 COLLAR ELEV: 242.90' PERSONNEL: CORE SIZE: NXWL  
 TOTAL DEPTH: 48.00' DRILL MACHINE: CME-550 DATE STARTED: 03/28/05  
 TOTAL RUN: 27.20' DRILL EQUIP: DATE COMPLETED: 03/28/05

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
222.10	20.80		1	85	00		RED/BRN., SEV. WEATH., SOFT, MUDSTONE.  FS = THIN
219.40	23.50		2	83	17	RS-5	GRAY/BRN., SEV. WEATH., SOFT, SANDSTONE. LOST WATER RETURN STARTING @ 25.50'  FS = THIN
214.40	28.50		3	100	92		RED/BRN., SLI. WEATH., MOD. HARD, MUDSTONE. NO WATER RETURN FOR ENTIRE RUN  FS = THICK
209.60	33.30		4	100	70		RED/BRN., MOD. TO SLI. WEATH., SOFT TO MOD. HARD, MUDSTONE. WATER RETURN STARTS BACK @ 34.20'  FS = THICK
204.70	38.20		5	95	00		RED/BRN., SEV. WEATH., SOFT, MUDSTONE.  FS = THIN
199.80	43.10		6	96	80		RED/BRN., SLI. WEATH., MOD. HARD, MUDSTONE.  FS = THICK
194.90	48.00						

NOTES