

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG SHEET 1 OF 1

12/21

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

PROJECT NO. 8.2625201	ID. B-3454	COUNTY FORSYTH	GEOLOGIST MURRAY
SITE DESCRIPTION BRIDGE 260 OVER MUDDY CREEK ON SR-1136			GROUND WATER
BORING NO. B2-A	BORING LOCATION 21+20.00	OFFSET -13.00	ALIGNMENT
COLLAR ELEVATION 763.33	NORTHING 877757.5632	EASTING 1601080.7398	0 HR.
TOTAL DEPTH 54.5	DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 2/4/03	COMPLETION DATE 2/4/03	SURFACE WATER DEPTH	DEPTH TO ROCK 32.1

PROJECT NO: 8.2625201 PROJECT ID: B-3454 COUNTY: Forsyth GEOLOGIST: C.C. MURRAY
 SITE DESCRIPTION: Bridge 60 over Muddy Creek on SR 1525 DRILLER: J.E. ESTEP
 BORING NO: B2-A BORING LOCATION (STA): 21+20 OFFSET: -13.00
 COLLAR ELEV: 763.33 PERSONNEL: DKB, JEE, CCM CORE SIZE: NXWL
 TOTAL DEPTH: 54.5 DRILL MACHINE: CME-550 DATE STARTED: 2/4/03
 TOTAL RUN: 7.2 DRILL EQUIP: DATE COMPLETED: 2/4/03

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				
763.33														0'-16.7' FILL, VERY SOFT, WET, RED, CLAY WITH GRAVEL.
755.00	10.2	0	0	0	1									
750.00	15.2	0	0	5	1									
745.00	20.2	5	7	9	1									16.7' - 32.1' RESIDUAL, OLIVE TAN, WET, VERY STIFF TO HARD SANDY SILTY CLAY
740.00	25.2	6	8	9	1									SS-33
735.00	30.2	10	12	25	1									
730.00	32.1	100			0.1									CORE1
725.00	35.1	8	15	29	1									32.1-35.1, HARD SLIGHTLY WEATHERED V. CLOSE JOINTED, GABBRO.
720.00	40.1	60	40		0.5									CORE2
715.00	44.7	17	83		0.9									35.1 - 40.1 RESIDUAL, HARD, OLIVE TAN, SANDY CLAY
710.00	54.5	100			0.0									40.1' - 44.9' ROCK, HARD, SLIGHTLY WEATHERED, DARK GRAY CLOSE FRACTURED GABBRO
705.00														44.9' - 54.5' WEATHERED ROCK, REFUSAL AT BASE.
700.00														ROCK
695.00														
690.00														
685.00														

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
731.23	32.1		1	14%	14%		32.1 - 35.1' Dark greenish gray, hard fresh to slightly weathered close-spaced fractured, medium grained gabbro. sharp contact above and below to saprolitic clay
728.23	35.1						SPT methods, see borelog
723.23	40.1						
723.23	40.1'		2	91%	23.8%		40.1' - 44.9' Dark greenish gray, hard, fresh to slightly weathered very close spaced fractured, medium grained Gabbro. Transition to weathered rock at lower contact.
718.43	44.9'						
718.43	44.9'						SPT methods, see bore log
708.83	54.5'						Boring terminated at SPT refusal on rock.

NOTES

BORING TERMINATED IN ROCK AT 54.5