NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

SHEET

WBS 33217.1.1	TIP B-3673	COUNTY McDOWELL	GEOLOGIST Elliott, D. C.
SITE DESCRIPTION N/A			GROUND WTR (ft)
BORING NO. B1-B	STATION 27+93	OFFSET 27 ft RT	ALIGNMENT L — 0 HR. N/A
COLLAR ELEV. 1,154.0 ft	TOTAL DEPTH 45.7 ft	NORTHING 1,115,283	EASTING 677,454 — 24 HR. N/A
DRILL RIG/HAMMER EFF./DATE AFO9394 CME-45C 88% 05/14/2014		DRILL METHOD NW Casing w/ Core	HAMMER TYPE Automatic
DRILLER Cheek, D. O.	START DATE 08/20/14	COMP. DATE 08/20/14	SURFACE WATER DEPTH N/A
CORE SIZE nxwl	TOTAL RUN 18.1 ft		

ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS (ELEV. (ft) / DEPTH (ft))
1136.44											Begin Coring @ 17.6 ft
1135	1,136.4	17.6	3.1		(2.6) 84%	(1.0) 32%					**CRYSTALLINE ROCK***(continued)*
	1,133.3	20.7	5.0		(4.8) 96%	(3.1) 62%					
1130	1,128.3	25.7	5.0		(4.6) 92%	(2.7) 54%					
1125	1,123.3	30.7	5.0		(3.4) 68%	(1.9) 38%					
1120	1,118.3	35.7									
1115											
1110											1,108.3 — 45.7
											Boring Terminated at Elevation 1,108.3 ft IN CRYSTALLINE GNEISS

NCDOT CORE SINGLE B3673_GEO_BRG.GPJ NC_DOT.GDT 10/10/14

NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

SHEET

WBS 33217.1.1	TIP B-3673	COUNTY McDOWELL	GEOLOGIST Elliott, D. C.
SITE DESCRIPTION N/A			GROUND WTR (ft)
BORING NO. B2-B	STATION 29+10	OFFSET 20 ft RT	ALIGNMENT L — 0 HR. N/A
COLLAR ELEV. 1,146.3 ft	TOTAL DEPTH 34.6 ft	NORTHING 1,115,226	EASTING 677,558 — 24 HR. N/A
DRILL RIG/HAMMER EFF./DATE AFO9394 CME-45C 88% 05/14/2014		DRILL METHOD NW Casing w/ Core	HAMMER TYPE Automatic
DRILLER Cheek, D. O.	START DATE 08/19/14	COMP. DATE 08/19/14	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION (ELEV. (ft) / DEPTH (ft))
1150										
										1,146.3 — GROUND SURFACE — 0.0
1145										**ALLUVIAL** Sand with gravel, cobbles, and boulders
	1,141.3	5.0								1,141.8 — 4.5
1140			27	73/.4						**WEATHERED ROCK** dark gray slightly micaceous weathered gneiss
	1,139.3	7.0	60/0							1,140.3 — 6.0
1135										**CRYSTALLINE ROCK** dark gray slightly micaceous crystalline gneiss
1130										
1125										
1120										
1115										1,111.7 — 34.6
										Boring Terminated at Elevation 1,111.7 ft IN CRYSTALLINE GNEISS

NCDOT BORE SINGLE B3673_GEO_BRG.GPJ NC_DOT.GDT 10/10/14