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. 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
CORE SIZE nxwl	TOTAL RUN 27.6 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)
1139.32											Begin Coring @ 7.0 ft
	1,139.3	7.0	2.6	N=60/0	(2.2) 85%	(1.0) 38%					CRYSTALLINE ROCK(*continued*)
	1,136.7	9.6	5.0		(3.0) 60%	(0.4) 8%					
1135											
	1,131.7	14.6	5.0		(3.9) 78%	(0.4) 8%					
1130											
	1,126.7	19.6	5.0		(4.6) 92%	(2.6) 52%					
1125											
	1,121.7	24.6	5.0		(4.5) 90%	(0.8) 16%					
1120											
	1,116.7	29.6	5.0		(4.2) 84%	(1.5) 30%					
1115											
	1,111.7	34.6									1,111.7 / 34.6 Boring Terminated at Elevation 1,111.7 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. B3-C	STATION 30+31	OFFSET 4 ft LT	ALIGNMENT L — 0 HR. N/A
COLLAR ELEV. 1,145.6 ft	TOTAL DEPTH 40.2 ft	NORTHING 1,115,149	EASTING 677,655 — 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 08/14/14	COMP. DATE 08/14/14	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										
1145										1,145.6 / 0.0 GROUND SURFACE
										ALLUVIAL Sand with cobbles and boulders
										1,141.5 / 4.1
1140	1,140.8	4.8	62	38/.4						WEATHERED ROCK Dark gray slightly micaceous weathered gneiss
	1,136.1	9.5	60/0							1,136.2 / 9.4
1135	1,134.8	10.8	60/0							CRYSTALLINE ROCK Dark gray slightly micaceous crystalline gneiss
1130										
1125										
1120										
1115										
1110										1,105.4 / 40.2 Boring Terminated at Elevation 1,105.4 ft IN CRYSTALLINE GNEISS

NCDOT BORE SINGLE_B3673_GEO_BRG.GPJ NC_DOT.GDT 10/10/14