SHEET

NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

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
CORE SIZE nxwl	TOTAL RUN 29.4 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)
1134.76											Begin Coring @ 10.8 ft
	1,134.8	10.8	4.4	N=60/0	(2.3) 52%	(0.0) 0%					CRYSTALLINE ROCK(continued)
1130	1,130.4	15.2	5.0		(1.7) 34%	(0.0) 0%					
1125	1,125.4	20.2	5.0		(4.8) 96%	(0.7) 14%					
1120	1,120.4	25.2	5.0		(5.0) 100%	(3.8) 76%					
1115	1,115.4	30.2	5.0		(4.8) 96%	(4.3) 86%					
1110	1,110.4	35.2	5.0		(5.1) 102%	(4.9) 98%					
	1,105.4	40.2									1,105.4 / 40.2 Boring Terminated at Elevation 1,105.4 ft IN CRYSTALLINE GNEISS

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

SHEET

NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 33217.1.1	TIP B-3673	COUNTY McDOWELL	GEOLOGIST Elliott, D. C.
SITE DESCRIPTION N/A			GROUND WTR (ft)
BORING NO. EB2-B	STATION 30+76	OFFSET 7 ft RT	ALIGNMENT L — 0 HR. N/A
COLLAR ELEV. 1,147.3 ft	TOTAL DEPTH 20.3 ft	NORTHING 1,115,136	EASTING 677,699 — 24 HR. N/A
DRILL RIG/HAMMER EFF./DATE AFO9394 CME-45C 88% 05/14/2014		DRILL METHOD NW Casing w/ SPT	HAMMER TYPE Automatic
DRILLER Cheek, D. O.	START DATE 08/15/14	COMP. DATE 08/15/14	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION ELEV. (ft) / DEPTH (ft)
1150										
										1,147.3 / 0.0 GROUND SURFACE
1145										ALLUVIAL Bouldery Sand
	1,142.0	5.3	100/.4							
1140										1,140.0 / 7.3
	1,137.0	10.3	100/.3							WEATHERED ROCK Dark Gray slightly micaceous weathered gneiss
1135										
	1,132.0	15.3	100/.2							
1130										1,128.1 / 19.2
	1,127.0	20.3	60/0							1,127.0 / 20.3 CRYSTALLINE ROCK Dark Gray slightly micaceous weathered gneiss
										Boring Terminated at Elevation 1,127.0 ft IN CRYSTALLINE GNEISS

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