

GEOTECHNICAL BORING REPORT

BORE LOG

WBS 083873.01.D3EFE		TIP Task 400		COUNTY WATAUGA		GEOLOGIST J. Baskin										
SITE DESCRIPTION Task 400 - Replace Driveway Bridge over Dutch Creek on Dutch Creek Rd (SR 1134)						GROUND WTR (ft)										
BORING NO. EB1		STATION N/A		OFFSET N/A		ALIGNMENT N/A										
COLLAR ELEV. 3,030.2 ft		TOTAL DEPTH 18.8 ft		NORTHING 895,716		EASTING 1,175,852										
DRILL RIG/HAMMER EFF./DATE F&R7348 CME-750X 87% 12/20/2024		DRILL METHOD H.S. Augers		HAMMER TYPE Automatic												
DRILLER S. Davis		START DATE 10/09/25		COMP. DATE 10/09/25		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
3035																
3030	3,030.2	0.0	1	5	3										3,030.2	GROUND SURFACE
3025	3,026.7	3.5	4	11	15										3,028.2	ARTIFICIAL FILL Brown, fine to cse. Sandy Silty CLAY (A-7) w/ trace gravel and roots
3020	3,021.7	8.5	23	40	60										3,023.2	ALLUVIAL Brown Clayey f. Sandy SILT (A-4) w/ trace roots and gravel
3015	3,016.7	13.5	12	28	72/0.4										3,016.2	RESIDUAL Tan, fine to cse. Sandy Silty CLAY (A-6)
	3,011.7	18.5													3,011.7	WEATHERED ROCK Weathered Rock (meta-siltstone)
	3,011.4	18.8													3,011.4	CRYSTALLINE ROCK Crystalline Rock (meta-siltstone) Boring Terminated with Standard Penetration Test Refusal at Elevation 3,011.4 ft in Crystalline Rock (meta-siltstone)

NCDOT BORE SINGLE - TASK 400 BANNER ELK - DUTCH CREEK.GPJ NC_DOT.GDT 10/27/25

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BORE LOG

WBS 083873.01.D3EFE		TIP Task 400		COUNTY WATAUGA		GEOLOGIST J. Baskin										
SITE DESCRIPTION Task 400 - Replace Driveway Bridge over Dutch Creek on Dutch Creek Rd (SR 1134)						GROUND WTR (ft)										
BORING NO. EB2		STATION N/A		OFFSET N/A		ALIGNMENT N/A										
COLLAR ELEV. 3,027.3 ft		TOTAL DEPTH 15.2 ft		NORTHING 895,745		EASTING 1,175,848										
DRILL RIG/HAMMER EFF./DATE F&R7348 CME-750X 87% 12/20/2024		DRILL METHOD H.S. Augers		HAMMER TYPE Automatic												
DRILLER S. Davis		START DATE 10/10/25		COMP. DATE 10/10/25		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
3030																
3025	3,027.3	0.0	3	7	6										3,027.3	GROUND SURFACE
3020	3,023.8	3.5	22	16	7										3,025.3	ALLUVIAL Brown, Silty fine to cse. SAND (A-1-b) w/ gravel
3015	3,018.8	8.5	95	0.5/0.1											3,020.3	RESIDUAL Tan, f. Sandy Silty CLAY (A-6) w/ rock fragments
	3,013.8	13.5													3,012.1	WEATHERED ROCK Weathered Rock (meta-siltstone)
	3,012.1	15.2													3,012.1	CRYSTALLINE ROCK Crystalline Rock (meta-siltstone) Boring Terminated with Standard Penetration Test Refusal at Elevation 3,012.1 ft on Crystalline Rock (meta-siltstone)

NCDOT BORE SINGLE - TASK 400 BANNER ELK - DUTCH CREEK.GPJ NC_DOT.GDT 10/27/25