



## EXAMPLE OF STANDARD BORING LOG

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This example of a standard boring log is meant to aid in the consistency of what data may be expected and how it might be communicated. It may be used in conjunction with the DEP's *Trenchless Technology Technical Guidance Document* (310-2100-003).

For more information, please visit the Bureau of Waterways Engineering & Wetlands <https://www.dep.pa.gov/Business/Water/Waterways/Pages/default.aspx> or visit the Trenchless Technologies webpage at <https://www.dep.pa.gov/About/Regional/RPCO/Pages/Trenchless.aspx>.

DATE STARTED: _____	DRILL COMPANY: _____	<b>BORING B-##</b>
DATE COMPLETED: _____	DRILLER: _____ LOGGED BY: _____	
COMPLETION DEPTH: 145.0 ft	DRILL RIG: _____	Water
BENCHMARK: N/A	DRILLING METHOD: Casing/Rock Coring	While Drilling 8 feet
ELEVATION: N/A	SAMPLING METHOD: 2-in SS1.874-in Core	Post-Core 14.6 feet
LATITUDE: n/a°	HAMMER TYPE: Automatic	BORING LOCATION: _____
LONGITUDE: n/a°	EFFICIENCY: N/A	See Boring Location Plan
STATION: N/A OFFSET: N/A	REVIEWED BY: _____	
REMARKS: _____		

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS) RQD & Recovery % (NX)	Moisture, %	STRENGTH, tsf	Additional Remarks
0	0		S-1	1	1	FILL-Dark gray-brown, SILT with Sand, trace organics and woody matter, moist	ML	1-3-6-50/4" N=9	31		
			R-1	16	16	Possible FILL-Diabase Boulder, Light gray to dark gray, Fine to medium grained, very hard		RQD=24 Rec=32%			
			S-2	0	0	Possible FILL-No recovery within this stratum		4-4-11-12 N=15			
			S-3	24	24	RESIDUUM-Stiff, Brown, Sandy Silty CLAY with Gravel, moist/wet	CL	9-5-6-7 N=11	18		LL = 24 PL = 18
			R-2	56	56	DIABASE-Light gray to dark gray, Fine to medium grained, Slightly Weathered, slightly broken to massive, very hard		RQD=86 Rec=94%			>> Q <sub>u</sub> = 1837.1 tsf 189.8 pcf 2 min.
			R-3	78	78			RQD=93 Rec=93%			2 min. 2 min. 2 min. 2 min. 2 min. 2 min. 2 min. 2 min. 2 min. 2 min. 2 min. 2 min.
											>> Q <sub>u</sub> = 1141.5 tsf 48.8 pcf

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