

WA-C-1-67

Hole No. A-54

DRILLING LOG		DIVISION South Atlantic	INSTALLATION Falls, N. C.	SHEET 1
1. PROJECT Falls Dam		10. SIZE AND TYPE OF BIT NX		
2. LOCATION (Coordinates or Station) Sta. 15+92, 330' Lt. "A" BL		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL		
3. DRILLING AGENCY Savannah District		12. MANUFACTURER'S DESIGNATION OF DRILL Failing 314		
4. HOLE NO. (As shown on drawing title and file number) A-54		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN	DISTURBED 0	UNDISTURBED 0
5. NAME OF DRILLER McDonald		14. TOTAL NUMBER CORE BOXES 2		
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER 209.3'	7 Oct 67	
7. THICKNESS OF OVERBURDEN 5.8' Water		16. DATE HOLE	STARTED 7 Oct 67	COMPLETED 8 Oct 67
8. DEPTH DRILLED INTO ROCK 23.3'		17. ELEVATION TOP OF HOLE 209.3' T/W 7 Oct 67		
9. TOTAL DEPTH OF HOLE 29.1'		18. TOTAL CORE RECOVERY FOR BORING 89 %		
		19. SIGNATURE OF INSPECTOR G. J. Kraynak, Geologist		

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
209.3'	5		WATER			NOTE: Scale Change at 5.0'
203.5'	6		TOP OF ROCK 5.8' Quartzitic epidote gneiss, greenish-Lt. gray, banding thin, discontinuous, moderately weathered, badly broken due to vertical jointing, w/calcite & chlorite deposits on faces	88		Set NX Casing to 7.4' Pull #1, 5.8' to 6.7' Run 0.9', Rec. 0.8' Cl 0.1'
	8		Quartzitic-epidote gneiss, slightly weathered	66		Pull #2, 6.7' to 7.6' Run 0.9', Rec 0.6' Cl 0.3'
	10		Biotite-gneiss, bluish-dark gray, med. grained, banding thin, discontinuous, foliation about 70°, fresh rock Mach. Brks.: 12.6', 12.8', 13.0', & 13.1'	73		Pull #3, 7.6' to 8.7' Run 1.1', Rec 0.8' Cl 0.3'
	12		Quartzitic-epidote gneiss, fine grained, banding distinct foliation about 70°, fresh	92		Pull #4, 8.7' to 9.9' Run 1.2', Rec 1.1' Cl 0.1'
	14		15.6' 60° Open Jnt. in Biotite Healed Zone 16.4' Machine Break	100		Pull #5, 9.9' to 10.8' Run 0.9', Rec 0.9'
	16		-- Continued on Sheet #2 -- Soils field classified in accordance with the Unified Soil Classification System.			Pull #6, 10.8' to 16.6' Run 5.8', Rec 4.1' Cl 1.7'

DRILLING LOG (Cont Sheet)			ELEVATION TOP OF HOLE		Hole No.	
PROJECT			209.3' T/W		A-54	
Falls Dam			INSTALLATION		SHEET 2 OF 2 SHEETS	
Falls, N. C.						
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
a	b	c	d	e	f	g
192.7'			TOP OF SOUND ROCK 16.7'			
	18		Quartzitic gneiss, bluish-Lt. gray, fine grained, banding thin, irregular, foliation about 70°, fresh rock			
			17.1' Machine Brk.			
			17.4' to 17.7' 70° Fol. Jnt., Talc Deposit on Face			
			19.2' Low Ang. Jnt., Ca on Face			
			19.7' Low Ang. Jnt., Ca on Face	109		
	20		20.4' Low Ang. Jnt., Ca on Face			
			21.1' to 21.4' 70° Fol. Jnt., Ca on Face		1	
			21.4' Machine Brk.			
			21.7' Machine Brk.			
			21.9' Machine Brk.			
	22		22.2' to 22.6' Biotite Rich Zone			
			22.6' Machine Brk.			
			23.1' 20° Jnt., Sl. Stn.			
			23.4' Machine Brk.			
			23.6' Machine Brk.	84		
	24					
			25.4' to 25.8' 70° Fol. Jnt., Stn.			
	26					
			Machine Breaks: 27.0', 27.4', 27.7', 28.0', 28.4', 28.7', 28.9'	100		
	28					
180.2'			BOTTOM OF HOLE 29.1'		2	

WAKE FOREST, NC (7.5' QUAD)
N355631-783502

