

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Wateree Creek, Site No. 1  
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

7-19

DATA SHEET NO.

RESERVOIR	1. OWNER International Paper Co.		2. STREAM Big Wateree Creek		3. STATE South Carolina	
	4. SEC. TWP. RANGE		5. NEAREST P.O. 3 mi N White Oak		6. COUNTY Fairfield	
	7. LAT. 34° 30' 58" LONG. 81° 6' 49"		8. TOP OF DAM ELEVATION 412.5		9. SPILLWAY CREST ELEV. 409.0	
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES	
	a. FLOOD CONTROL		409.0		104.4	
	b. MULTIPLE USE				904.2	
	c. POWER				1025.9	
	d. WATER SUPPLY					
	e. IRRIGATION					
	f. CONSERVATION					
RESERVOIR	g. INACTIVE 1/		394.0		26.2	
					121.7	
					121.7	
	17. LENGTH OF RESERVOIR		3/ 1.72 MILES		AV. WIDTH OF RESERVOIR 0.09 MILES	
	18. TOTAL DRAINAGE AREA		4.22 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 44.3 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA		4.06 SQ. MI.		23. MEAN ANNUAL RUNOFF 10.0 INCHES	
	20. LENGTH 3.1 MILES		AV. WIDTH 1.4 MILES		24. MEAN ANNUAL RUNOFF 2,250.5 AC.-FT.	
WATERSHED	21. MAX. ELEV. 610.0'		MIN. ELEV. 379.0'		25. ANNUAL TEMP.: MEAN 60.9 F RANGE 42°-78.1° F	
	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS	
	8/22/63		-		-	
	5/11/77		13.7		13.7	
					29. TYPE OF SURVEY	
					30. NO. OF RANGES OR CONTOUR INT.	
					31. SURFACE AREA, ACRES	
SURVEY DATA					32. CAPACITY, ACRE-FEET	
					33. C/I. RATIO, AC.-FT. PER AC.-FT.	
					0.05	
					0.46	
					0.04	
					0.43	
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET		
5/11/77		48"		2251		
				36. WATER INFL. TO DATE, AC.-FT.		
				a. MEAN ANNUAL		
				b. MAX. ANNUAL		
				c. PERIOD TOTAL		
				a. MEAN ANNUAL		
				b. TOTAL TO DATE		
				30,839		
26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET		38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET		
5/11/77		29.8 1/		29.8 1/		
		58.5 2/		58.5 2/		
		2.18 1/		2.18 1/		
		4.27 2/		4.27 2/		
		0.52 1/		0.52 1/		
		1.05 2/		1.05 2/		
				39. AV. DRY WGT., LBS. PER CU. FT.		
5/11/77		88.8 (8)		40. SED. DEP., TONS PER SQ. MI.-YR.		
				a. PERIOD		
				b. TOTAL TO DATE		
				a. AV. ANN.		
				b. TOT. TO DATE		
				41. STORAGE LOSS, PCT.		
				a. AV. ANN.		
				b. TOT. TO DATE		
				42. SED. INFLOW, PPM		
				a. PERIOD		
				b. TOT. TO DATE		
				1.79 1/		
				24.49 1/		
				0.42 2/		
				5.70 2/		
				2,695		
				2,695		

