

**RESERVOIR SEDIMENT
DATA SUMMARY**
SCS-34 Rev. 6-62

SPARTANBURG MUNICIPAL RESERVOIR
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

7-3A

DATA SHEET NO.

DAM	1. OWNER City of Spartanburg			2. STREAM South Pacolet			3. STATE South Carolina					
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Fingerville			6. COUNTY Spartanburg					
	7. STREAM BED ELEVATION 725			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV. 777.1 <u>1/</u>					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA ACRES		13. ORIGINAL CAPACITY ACRE-FEET		14. GROSS STORAGE ACRE-FEET		15. DATE STORAGE BEGAN	
	a. MULTIPLE USE										May 1926 <u>1/</u>	
	b. FLOOD CONTROL											
	c. POWER											
	d. WATER SUPPLY		777.1 <u>1/</u>		311 <u>3/</u>		3109 <u>3/</u>		3109 <u>3/</u>		16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										May 1926 <u>1/</u>	
	f. CONSERVATION											
	g. SEDIMENT											
	h. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 6 MILES				AV. WIDTH OF RESERVOIR 0.09 MILES							
	18. TOTAL DRAINAGE AREA 91.33 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 47.56 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 90.8 SQ. MI.				23. MEAN ANNUAL RUNOFF - INCHES							
	20. LENGTH 21.5 MILES		AV. WIDTH 5.5 MILES		24. MEAN ANNUAL RUNOFF - AC.-FT.							
	21. MAX. ELEV. 3226		MIN. ELEV. 725		25. CLIMATIC CLASSIFICATION Humid							
SURVEY DATA	26. DATE OF SURVEY		27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA ACRES	32. CAPACITY ACRE-FEET	33. C/W RATIO AC.-FT. PER SQ. MI.			
	May 1926		--	--	--	--	301	3506	38.4			
	July 1934		8.2	8.2	Range(D)	38	301	3199	35.0			
	March 1947		12.7	20.9	" "	38	301	2891	31.7			
	October 1965		18.6	39.5	" "	47	295	2593	28.4			
	October 1965		18.6	39.5	" "	47	311	3109	34.0			
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE-FEET			36. WATER INFL. TO DATE AC.-FT.				
					a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE			
	---		---		---	---	---	---	---			
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE-FEET.						
			a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR				
	July 1934		307	37.4	0.412	307	37.44	0.412				
	March 1947		308	24.3	0.268	615	29.86	0.329				
	October 1965		298	16.0	0.176	913	23.11	0.254				
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.	40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM				
			a. PERIOD	b. TOTAL TO DATE	a. AV. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
July 1934		---	---	---	1.07	8.76 <u>2/</u>	---	---				
March 1947		---	---	---	0.85	17.54 <u>2/</u>	---	---				
October 1965		---	---	---	0.66	26.04 <u>2/</u>	---	---				

25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV. ✓	INFLOW AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

1/ Dam raised to water elevation 777.1 (Sept. 1956).

2/ Data based on original water elevation of 775.0 and original storage capacity of 3506 Ac.-Ft.

3/ Data adjusted to present water elevation of 777.1 and present storage capacity of 3109 Ac.-Ft.

48. AGENCY MAKING SURVEY SOIL CONSERVATION SERVICE

49. AGENCY SUPPLYING DATA SOIL CONSERVATION SERVICE

50. DATE Dec. 1965