

RESERVOIR SEDIMENTATION
DATA SUMMARY

Charles Dockery Pond

NAME OF RESERVOIR

15 - 25

DATA SHEET NO.

DAM	1. OWNER Charles P. Dockery			2. RIVER Unnamed trib. of Hurricane Creek			3. STATE Mississippi					
	4. SEC. 27 TWP. 3S RANGE 9W			5. NEAREST TOWN Eudora			6. COUNTY DeSoto					
	7. STREAM BED ELEV. 91.2 *			8. TOP OF DAM ELEV. -			9. SPILLWAY CREST ELEV. 100 *					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE- FEET		14. ACCUMULATED ACRE- FEET		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL										Jan. 1946	
	b. POWER											
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION											
	e. CONSERVATION		100		4.95		23.0		23.0		Jan. 1946	
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.1117 1/ MILES				AV. WIDTH OF RESERVOIR 0.0692 MILES							
	18. TOTAL DRAINAGE AREA 0.0644 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 49.47 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.0566 SQ. MI.				23. MEAN ANNUAL RUNOFF - INCHES							
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF - AC-FT.							
	21. MAX. ELEV. -		MIN. ELEV. -		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.			
	Jan. 1946		-	-	-	-	4.95	23.0	357			
	March 1951		5.2	5.2	Range detailed	4	4.95	22.0	342			
	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	
	March 1951		61.48									
	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			
	March 1951		1.06	0.204	3.60	1.06		0.204	3.60			
	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. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE
March 1951		43.68 *		3,420		3,420		0.89		4.61		

* Assumed

26. 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/ Two arms in Reservoir

Region 2, Soil Conservation Service
U. S. Dept. of Agriculture
Spartanburg, South Carolina

49. AGENCY SUPPLYING DATA 49. DATE April 30, 1951