

RESERVOIR SEDIMENTATION
DATA SUMMARY

C. D. Williams Pond

15 - 18

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER C. D. Williams				2. RIVER Unnamed Trib. of Hudson Creek		3. STATE Mississippi									
	4. SEC. 3		TWP. 9S		RANGE 5W		5. NEAREST TOWN Oxford									
	7. STREAM BED ELEV. 88.6 *				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										March 1928					
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION		100.0		2.03		9.93		9.93							
	f. INACTIVE										March 1928					
17. LENGTH OF RESERVOIR 0.1042					MILES		AV. WIDTH OF RESERVOIR 0.0304					MILES				
WATERSHED	18. TOTAL DRAINAGE AREA 0.0450				SQ. MI.		22. MEAN ANNUAL PRECIPITATION 49.47						INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 0.0418				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									
	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.	
March 1928		-		-		-		-		2.03		9.93		221		
March 1951		23		23		Range detailed		5		1.58		6.70		149		
SURVEY DATA	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		d. MEAN ANNUAL		e. TOTAL TO DATE			
	March 1951		51.82													
SURVEY DATA	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		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.- YEAR			
	March 1951		3.23 (4.13) 1/		0.140 (0.180)		3.35 (4.31)		3.23 (4.13)		0.140 (0.180)		3.35 (4.31)			
SURVEY DATA	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		55.72 (3)		4,070 (5,230)		4,070 (5,230)		1.41		32.5					

* Assumed

1/ Above-crest deposits within original flow line.

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

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

48. AGENCY SUPPLYING DATA

49. DATE April 30, 1951