

RESERVOIR SEDIMENTATION  
DATA SUMMARY

R. X. Williams  
NAME OF RESERVOIR

15 - 19  
DATA SHEET NO.

DAM	1. OWNER R. X. Williams			2. RIVER Unnamed Trib. Yocona River		3. STATE Mississippi		
	4. SEC. 35 TWP. 9S RANGE LW			5. NEAREST TOWN Taylors		6. COUNTY Lafayette		
	7. STREAM BED ELEV. 94.0 *			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					Sept. 1946		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	100.0	1.84	4.48	4.48	Sept. 1946		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.0966 MILES			AV. WIDTH OF RESERVOIR 0.298 MILES				
	18. TOTAL DRAINAGE AREA 0.0239 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 49.47 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.0210 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 <sub>w</sub> RATIO AC.- FT. PER SQ. MI.
	Sept. 1946	-	-	-	-	1.84	4.48	187
	Mar. 1951	4.5	4.5	Range detailed	4	1.84	2.54	106
	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	
	Mar. 1951	61.32						
	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	
	Mar. 1951	1.94	0.431	20.5	1.94	0.431	20.5	
	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	
Mar. 1951	47.74 (3)	21,300	21,300	9.62	43.3			

\* 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

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

48. AGENCY SUPPLYING DATA

49. DATE April 30, 1951