

RESERVOIR SEDIMENTATION
DATA SUMMARY

Lake Woodland
NAME OF RESERVOIR

15 - 10
DATA SHEET NO.

47

DAM	1. OWNER M. F. Woodsen			2. RIVER Unnamed Trib. of Camp Creek			3. STATE Mississippi			
	4. SEC. 28 TWP. 1S RANGE 6W			5. NEAREST TOWN Olive Branch			6. COUNTY DeSoto			
	7. STREAM BED ELEV. 87.0 *			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					Feb. 1945				
	b. POWER					16. DATE NORMAL OPER. BEGAN				
	c. WATER SUPPLY					Feb. 1945				
	d. IRRIGATION									
	e. CONSERVATION	100.0	15.9	94.00	94.00					
f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR		0.4091	MILES	AV. WIDTH OF RESERVOIR		0.0605	MILES		
	18. TOTAL DRAINAGE AREA		0.5045	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		49.47	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		0.4797	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.		
	Feb. 1945	-	-	-	-	15.9	94.0	186		
	Feb. 1951	6.0	6.0	Range detailed	5	15.9	78.1	155		
	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	
	Feb. 1951	60.83								
	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			
	Feb. 1951	15.9	2.65	5.52	15.9	2.65	5.52			
	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			
Feb. 1951	39.87 (3)	4,800	4,800	2.82	16.9	-	-			

* 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
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