

RESERVOIR SEDIMENTATION
DATA SUMMARY

A. L. Rodman Pond

NAME OF RESERVOIR

15 - 24

DATA SHEET NO.

DAM	1. OWNER A. L. Rodman			2. RIVER Unnamed trib. to Arkabutla Creek		3. STATE Mississippi						
	4. SEC. 2 TWP. 5S RANGE 9W			5. NEAREST TOWN Arkabutla		6. COUNTY Tate						
	7. STREAM BED ELEV. 89.6 *			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										16. DATE NORMAL CPER BEGAN	
	b. POWER											
	c. WATER SUPPLY											
	d. IRRIGATION											
	e. CONSERVATION		100		6.69		30.5		30.5		16. DATE NORMAL CPER BEGAN	
	f. INACTIVE											
17. LENGTH OF RESERVOIR 0.1818 MILES					AV. WIDTH OF RESERVOIR 0.0575 MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 0.1563 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 49.47 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.1458 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 _{AV} RATIO AC.-FT. PER SQ. MI.			
Sept. 1945		-	-	-	-	6.69	30.5	195				
March 1951		5.5	5.5	Range detailed	9	6.69	29.0	186				
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	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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR						
March 1951	1.57	0.285	1.95	1.57	0.285	1.95						
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	c. PERIOD	d. TOT. TO DATE						
March 1951	49.92 *	2,120	2,120	0.93	5.15							

* 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