

RESERVOIR SEDIMENTATION
DATA SUMMARY

Dr. Bramlett Pond

NAME OF RESERVOIR

15 - 21

DATA SHEET NO.

DAM	1. OWNER Dr. E. J. Bramlett			2. RIVER Unnamed Trib. of Pumpkin Creek		3. STATE Mississippi		
	4. SEC. 8 TWP. 9S RANGE 2W			5. NEAREST TOWN Oxford		6. COUNTY Lafayette		
	7. STREAM BED ELEV. 82.9 *			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. 1937		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	100		34.6	227	227	Jan. 1937	
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.4242 1/ MILES			AV. WIDTH OF RESERVOIR 0.1275 MILES				
	18. TOTAL DRAINAGE AREA 0.8672 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 49.47 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.8131 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. 1937	-	-	-	-	34.6	227	262
	March 1951	14.2	14.2	Range detailed	10	34.6	214	247
	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	53.46						
	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	12.9	0.908	1.12	12.9	0.908	1.12	
	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	37.44 *	913	913	0.40	5.68			

* 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

48. AGENCY SUPPLYING DATA

49. DATE April 30, 1951