

**RESERVOIR SEDIMENTATION  
DATA SUMMARY**

Henry W. Ramsey Pond  
NAME OF RESERVOIR

15 - 20  
DATA SHEET NO.

43

DAM	1. OWNER Henry W. Ramsey				2. RIVER Unnamed Tr. 01 Sarter Creek		3. STATE Mississippi				
	4. SEC. 15, 22 TWP. 10S		RANGE 3W		5. NEAREST TOWN Oxford		6. COUNTY Lafayette				
	7. STREAM BED ELEV. 87.7 *				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. 1933	
	b. POWER										
	c. WATER SUPPLY									16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION										
	e. CONSERVATION		100		5.49		31.0		31.0		Jan. 1933
	f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR 0.1610 MILES				AV. WIDTH OF RESERVOIR 0.0533 MILES						
	18. TOTAL DRAINAGE AREA 0.1375 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 49.47 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 0.1289 SQ. MI.				23. MEAN ANNUAL RUNOFF - INCHES						
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF - AG.-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 AG.-FT. PER SQ. MI.			
	Jan. 1933	-	-	-	-	5.49	31.0	225			
	March 1951	18.2	18.2	Range detailed	6	5.37	24.9	181			
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-FT.				
		a. MEAN ANNUAL		b. MAX. ANNUAL	c. PERIOD TOTAL		d. MEAN ANNUAL	b. TOTAL TO DATE.			
	March 1951	52.13									
	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	c. PER SQ. MI.-YEAR				
	March 1951	6.12 (6.20) 1/	0.336 (0.341)	2.61 (2.65)	6.12 (6.20)	0.336 (0.341)	2.61 (2.65)				
	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	41.75 (3)	2,370 (2,410)	2,370 (2,410)	1.08	19.7						

\* 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