

RESERVOIR SEDIMENTATION  
DATA SUMMARY

C. S. Hurdle Pond

NAME OF RESERVOIR

15 - 5

DATA SHEET NO.

DAM	1. OWNER C. S. Hurdle			2. RIVER Unnamed Trib. of Coldwater River			3. STATE Mississippi					
	4. SEC. 6 TWP. 2S RANGE 2W			5. NEAREST TOWN Slayden			6. COUNTY Marshall					
	7. STREAM BED ELEV. 83.0 *			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	
	d. FLOOD CONTROL										Dec. 1946	
	b. POWER											
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION											
	e. CONSERVATION		100.0		6.33		36.4		36.4		Dec. 1946	
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.419 MILES				AV. WIDTH OF RESERVOIR 0.0236 MILES							
	18. TOTAL DRAINAGE AREA 0.244 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 49.47 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.234 SQ. MI.				23. MEAN ANNUAL RUNOFF - INCHES							
	20. I. 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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.			
	Dec. 1946		-	-	-	-	6.33	36.4	149			
	Jan. 1951		4.1	4.1	Range detailed	13	5.35	29.0	119			
	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		
	Jan. 1951		60.26									
	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			
	Jan. 1951		7.48 (9.82) 1/	1.82 (2.40)	7.78 (10.3)	7.48 (9.82)		1.82 (2.40)	7.78 (10.3)			
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	b. TOT. TO DATE				
Jan. 1951		62.9 (3)	10,700 (14,100)	10,700 (14,100)	5.00	20.5	-	-				

\* 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 <u>April 30, 1951</u>