

RESERVOIR SEDIMENTATION
DATA SUMMARY

Fletcher Hurdle Pond (South)

NAME OF RESERVOIR

15 - 14

DATA SHEET NO.

DAM	1. OWNER Fletcher Hurdle				2. RIVER Unnamed Trib. of Byhalia Creek		3. STATE Mississippi									
	4. SEC. 10 TWP. 3S RANGE LW		5. NEAREST TOWN Victoria		6. COUNTY Marshall											
	7. STREAM BED ELEV. 88.4 *			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. 1947					
	b. POWER															
	c. WATER SUPPLY															
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	e. CONSERVATION		100.0		1.17		5.48		5.48		Feb. 1947					
WATERSHED	17. LENGTH OF RESERVOIR 0.1136 1/ MILES				AV. WIDTH OF RESERVOIR 0.0161 MILES											
	18. TOTAL DRAINAGE AREA 0.0297 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 49.47 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.0279 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 1947		-		-		-		-		1.17		5.48		185	
	Feb. 1951		4		4		Range detailed		10		0.94		3.61		122	
	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		b. TOTAL TO DATE			
	Feb. 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		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
	Feb. 1951		1.87 (2.14) 2/		0.468 (0.535)		16.8 (19.2)		1.87 (2.14)		0.468 (0.535)		16.8 (19.2)			
	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		83.05 (4)		30,400 (34,700)		30,400 (34,700)		8.54 34.1		-		-				

* Assumed

1/ Reservoir composed of two arms.

2/ 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>					