

RESERVOIR SEDIMENTATION
DATA SUMMARY

G. B. Langston, Jr., Pond
NAME OF RESERVOIR

15 - 12
DATA SHEET NO.

DAM	1. OWNER G. B. Langston, Jr.		2. RIVER Unnamed Trib. of Red Banks Creek		3. STATE Mississippi				
	4. SEC. 22 TWP 3S RANGE 5W		5. NEAREST TOWN Warsaw		6. COUNTY Marshall				
	7. STREAM BED ELEV. 87.2 *		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. 1916			
	b. POWER								
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION	100		2.60	12.3	12.3	Feb. 1916		
f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 0.1023 MILES		AV. WIDTH OF RESERVOIR 0.0397 MILES						
	18. TOTAL DRAINAGE AREA 0.0156 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 49.47 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 0.0116 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.	
	Feb. 1916	-	-	-	-	2.60	12.3	788	
	Feb. 1951	35	35	Range detailed	4	2.45	9.66	619	
	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	e. TOTAL TO DATE
	Feb. 1951	52.05							
	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		
	Feb. 1951	2.66 (2.73) 1/	0.076 (0.078)	6.55 (6.72)	2.66 (2.73)	0.076 (0.078)	6.55 (6.72)		
	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	63.34 (2)	9,040 (9,270)		0.62 21.6					

* 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											

25. 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