

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Lloyd Shoals

NAME OF RESERVOIR

8-2

DATA SHEET NO.

DAM	1. OWNER <b>Georgia Power Co.</b>			2. RIVER <b>Ocmulgee</b>			3. STATE <b>Georgia</b>							
	4. SEC. <b>TWP.</b>		RANGE		5. NEAREST TOWN <b>Jackson</b>			6. COUNTY <b>Jasper Butts Newton</b>						
	7. STREAM BED ELEV. <b>430</b>				8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. <b>530</b>						
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										Dec. 1910			
	b. POWER		<b>530</b>		<b>4,537</b>		<b>112,538</b>		<b>112,538</b>					
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION													
	e. CONSERVATION													
	f. INACTIVE										Dec. 1910			
WATERSHED	17. LENGTH OF RESERVOIR <b>18.6 1/2</b>				MILES		AV. WIDTH OF RESERVOIR				MILES			
	18. TOTAL DRAINAGE AREA <b>1,414</b>				SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>48.63</b>				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA <b>1,407</b>				SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES			
	20. LENGTH <b>54</b>		MILES		AV. WIDTH <b>30</b>		MILES		24. MEAN ANNUAL RUNOFF				AC.-FT.	
	21. MAX. ELEV. <b>1,686</b>			MIN. ELEV. <b>430</b>			25. CLIMATIC CLASSIFICATION <b>Humid</b>							
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.		
	Dec. 1910		-	-	-	-		4,537		112,538		79.6		
	March 1935		24.3	24.3	Range detailed	132		4,537		98,578		69.7		
	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		
	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 1935		13,960	574		.408		13,960		574		.408		
	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 1935		60*	533		533	.51	12.40							

\* 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/ There are 4 major arms.  
  
 Eakin, H. M., revised by Brown, Carl B., Silting of reservoirs, U.S.D.A. Technical Bulletin No. 524, August 1939. pp. 57-64  
 Montgomery, P. H., Erosion and related land use conditions on the Lloyd Shoals Watershed, Ga., U.S. Soil Conserv. Serv. Watershed and Conserv. Surveys, Washington, D.C. 1940.

48. AGENCY SUPPLYING DATA Region 2, Soil Conservation Service  
U. S. Dept. of Agriculture  
Spartanburg, S. C. 49. DATE Sept. 28, 1950