

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Lake Lawn  
NAME OF RESERVOIR

53-11  
DATA SHEET NO.

DAM	1. OWNER G.C. & S.F. RR			2. RIVER Redbank Creek			3. STATE Texas					
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Lawn			6. COUNTY Taylor					
	7. STREAM BED ELEV. 1,928 1/			8. TOP OF DAM ELEV. 1,947 1/			9. SPILLWAY CREST ELEV. 1,943.0					
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					1911						
	b. POWER											
	c. WATER SUPPLY	1943.0	103	530	530	16. DATE NORMAL OPER. BEGAN						
	d. IRRIGATION											
	e. CONSERVATION											
	f. INACTIVE					1911						
17. LENGTH OF RESERVOIR		0.6		MILES		AV. WIDTH OF RESERVOIR		0.2		MILES		
WATERSHED	18. TOTAL DRAINAGE AREA			13.0			22. MEAN ANNUAL PRECIPITATION			26 *		INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			12.8			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					Sub-Humid
	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.			
March 1941		30	30	Range Recon.	6	103 103	530 354	41 27				
SURVEY DATA	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		a. MEAN ANNUAL	b. 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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR					
March 1941	176	5.87	0.46	176	5.87	0.46						
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 1941				1.11	33.20	-	-					

1/ Railroad datum  
\* Estimated

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  
 Reconnaissance Survey of Sedimentation in Lake Lawn, March 1941. Unpublished data.

48. AGENCY SUPPLYING DATA Region 4, Soil Conservation Service 49. DATE January 2, 1951