

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Stith Lake  
NAME OF RESERVOIR

53 - 28  
DATA SHEET NO.

DAM	1. OWNER Stith Est.			2. RIVER Redbank Creek			3. STATE Texas											
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Lawn			6. COUNTY Taylor											
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.											
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										Aug. 1926							
	b. POWER																	
	c. WATER SUPPLY				19		102		102		16. DATE NORMAL OPER. BEGAN							
	d. IRRIGATION																	
	e. CONSERVATION																	
	f. INACTIVE										Aug. 1926							
WATERSHED	17. LENGTH OF RESERVOIR					MILES		18. AV. WIDTH OF RESERVOIR					MILES					
	18. TOTAL DRAINAGE AREA					1.04		SQ. MI.		22. MEAN ANNUAL PRECIPITATION					26 *		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA					1.01		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					Sub-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.			
	Aug. 1926		-		-		-		-		19		102		98			
	March 1941		14.6		14.6		Recon.		42 meas.		19		93		89			
	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					
	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					
	March 1941		9.28		0.64		0.63		9.28		0.64		0.63					
	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		c. PERIOD		d. TOT. TO DATE				
March 1941								0.62		9.1		-		-				

\* 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

Region 4, Soil Conservation Service  
U. S. Dept. of Agriculture  
Fort Worth, Texas

48. AGENCY SUPPLYING DATA

49. DATE January 2, 1951