

RESERVOIR SEDIMENTATION
DATA SUMMARY

Thornton Lake

52-13

DATA SHEET NO.

DAM	1. OWNER W. M. Thornton			2. RIVER Cibola Creek			3. STATE Texas									
	4. SEC. TWP.		RANGE		5. NEAREST TOWN 5 mi. N.W. Boerne			6. COUNTY Kendall								
	7. STREAM BED ELEV. 73.5 1/			8. TOP OF DAM ELEV. 106.0 1/			9. SPILLWAY CREST ELEV. 100.0 1/									
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										Sept. 10 1952					
	b. POWER															
	c. WATER SUPPLY		100.0 1/		11.66		142.4		142.4		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
WATERSHED	f. INACTIVE															
	17. LENGTH OF RESERVOIR 0.42 MILES				AV. WIDTH OF RESERVOIR 0.07 MILES											
	18. TOTAL DRAINAGE AREA 1.54 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 32.70 (57) INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 1.52 SQ. MI.				23. MEAN ANNUAL RUNOFF 3.0 INCHES											
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF 160 ac. ft. /sq. mi. xxx							
21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION Subhumid										
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.	
	Sept. 10, 1952										11.66		142.4		92.5	
	Aug. 16, 1955		2.91		2.91		Detail		6 Ranges		11.66		135.2		87.8	
	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			
	Aug. 16, 1955		7.26		2.49		1.64		7.26		2.49		1.64			
	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		
Aug. 16, 1955								1.75		5.10						

1/Local elevation.

