

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Miller Lake

NAME OF RESERVOIR

53-14

DATA SHEET NO.

DAM	1. OWNER <b>Hugh Miller</b>			2. RIVER <b>Trib. of Horse Creek</b>		3. STATE <b>Texas</b>				
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN <b>San Saba</b>		6. COUNTY <b>San Saba</b>				
	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					Sept. 1913				
	b. POWER					16. DATE NORMAL OPER. BEGAN				
	c. WATER SUPPLY					Sept. 1913				
	d. IRRIGATION									
	e. CONSERVATION		18.8	83	83					
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR			MILES		
	18. TOTAL DRAINAGE AREA			0.41	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		29*	INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			0.38	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 <b>Sub-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.		
	Sept. 1913	-	-	-	-	18.8	83	202		
	March 1941	27.5	27.5	Recon.	30 meas.	18.8	75	183		
	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		d. TOTAL TO DATE		e. AV. ANNUAL	f. PER SQ. MI.-YEAR
	March 1941	7.54		0.27	0.71		7.54		0.27	0.71
	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			
March 1941					0.33		9.08			

\* 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  
 Sedimentation Survey of Miller Lake, March 1941. Unpublished data.

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