

RESERVOIR SEDIMENTATION
DATA SUMMARY

Lake Mineral Wells

NAME OF RESERVOIR

53-22

DATA SHEET NO.

DAM	1. OWNER City of Mineral Wells			2. RIVER Rock Creek			3. STATE Texas									
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Mineral Wells			6. COUNTY Parker									
	7. STREAM BED ELEV. 782			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 832									
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										1922					
	b. POWER															
	c. WATER SUPPLY		832		628		10,741		10,741		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										1922					
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 3.5 MILES				AV. WIDTH OF RESERVOIR 0.3 MILES											
	18. TOTAL DRAINAGE AREA 74.4 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 27 (7) INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 73.4 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.	
	1922		-		-		-		-		628		10,741		144	
	Dec. 1941		19.5		19.5		Recon.		31 meas.		628		9,032		121	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AG.-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			
	Dec. 1941		1,709		87.64		1.19		1,709		87.64		1.19			
	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		e. PERIOD		f. TOT. TO DATE		
Dec. 1941								0.82		15.91		-		-		

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															
The sediment ranges from gray to brown silt and overlies an old soil which ranges from a clay loam to a gravelly loam.															
Region 4, Soil Conservation Service U. S. Department of Agriculture															
48. AGENCY SUPPLYING DATA Fort Worth, Texas										49. DATE January 2, 1951					