

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Miller Ranch

31-29

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Miller			2. RIVER Unnamed Tributary			3. STATE Kansas			
	4. SEC. SE 13 TWP. 16 S RANGE 13 E			5. NEAREST TOWN Miller			6. COUNTY Lyon			
	7. STREAM BED ELEV. 1000 *			8. TOP OF DAM ELEV. 1018*			9. SPILLWAY CREST ELEV. 1015*			
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					November 1936				
	b. POWER									
	c. WATER SUPPLY	1015*	9.94	52.72	52.72	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION					November 1936				
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 0.18 MILES			18. AV. WIDTH OF RESERVOIR 0.13 MILES						
	18. TOTAL DRAINAGE AREA 0.71 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 34* INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 0.70 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH 1.5 MILES			21. AV. WIDTH 0.48 MILES			24. MEAN ANNUAL RUNOFF AC.-FT.			
	21. MAX. ELEV. 1000*			21. MIN. ELEV.			25. CLIMATIC CLASSIFICATION			
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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.		
	November 1936	-	-	-	-	9.94	52.72	74.25		
	September 1955	18.8	18.8	Range	11	9.94	37.83	53.28		
	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	
	September 1955	14.89	0.79	1.13	14.89		0.79		1.13	
	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.		
September 1955	52.7		1297	1297	1.54	29.0				

\*Assumed

25. 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

48. AGENCY SUPPLYING DATA      Soil Conservation Service

49. DATE      Nov. 6, 1961