

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Miller

NAME OF RESERVOIR

46- 32

DATA SHEET NO.

DAM	1. OWNER Max Miller			2. STREAM Beaver Creek			3. STATE Kansas					
	4. SEC. 13 TWP. 22S RANGE 1E			5. NEAREST P.O. Walton			6. COUNTY Harvey					
	7. LAT 38° 9' N " LONG 97° 16' W "			8. TOP OF DAM ELEVATION 100.00			9. SPILLWAY CREST ELEV. 96.00					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN	
	a FLOOD CONTROL										August 1959	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY		96.00		1.50		6.08		6.08		16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										August 1959	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.23 MILES				AV. WIDTH OF RESERVOIR 0.02 MILES							
	18. TOTAL DRAINAGE AREA 1.20 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 30.50 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 1.20 SQ. MI.				23. MEAN ANNUAL RUNOFF 3.50 INCHES							
	20. LENGTH 2.37 MILES		AV. WIDTH 0.51 MILES		24. MEAN ANNUAL RUNOFF 218 AC.-FT.							
	21. MAX. ELEV.		MIN. ELEV.		25. ANNUAL TEMP: MEAN 56 RANGE -28 to +117							
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/I. RATIO, AC.-FT. PER AC.-FT.			
	July 30 1968		9.00	9.00	Range	10	1.50	Original 6.08 Present 2.87	0.028 1.013 0.131			
	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 CAPACITY LOSS, 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				
	July 30 1968		3.21	0.36	0.30	3.21	0.36	0.30				
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
	July 30 1968		60 11	392	392	5.87	52.79					

25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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

Trap Efficiency 58%

1/ Assumed Values

Pasture - fair 16% with 5% slopes
 Crop 84% with 2 to 3% slopes

48. AGENCY MAKING SURVEY USDA - SCS

49. AGENCY SUPPLYING DATA

50. DATE Sept. 17, 1968