

RESERVOIR SEDIMENT  
DATA SUMMARY  
SCS-34 Rev. 6-62

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Mitchell  
NAME OF RESERVOIR

31-41

DATA SHEET NO.

Trib. of Washington Cr.

DAM	1. OWNER Mitchell			2. STREAM Un-named trib.			3. STATE Kansas									
	4. SEC. 4 TWP. 13 RANGE 19			5. NEAREST TOWN Lawrence			6. COUNTY Douglas									
	7. STREAM BED ELEVATION 88.0*			8. TOP OF DAM ELEVATION 100.0*			9. SPILLWAY CREST ELEV. 97.0*									
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. MULTIPLE USE										October 1949					
	b. FLOOD CONTROL															
	c. POWER										October 1949					
	d. WATER SUPPLY		97.0*		1.51		7.94		7.94				16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION										October 1949					
	f. CONSERVATION															
	g. SEDIMENT										October 1949					
h. INACTIVE																
17. LENGTH OF RESERVOIR					0.09 MILES		AV. WIDTH OF RESERVOIR 0.03 MILES									
WATERSHED	18. TOTAL DRAINAGE AREA				0.119 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 34* INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA				0.117 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES									
	20. LENGTH 0.61 MILES		AV. WIDTH 0.20 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.											
	21. MAX. ELEV.			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/W RATIO AC.-FT. PER SQ. MI.	
	6-8-62		12.67		12.67		Range		5		1.51		7.94 6.73		67.86 57.52	
	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			
	6-8-62		1.21		0.10		0.85		1.21		0.10		0.85			
	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. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE			
6-8-62		56.8(2)		1051		1051		1.26		15.24						

TE =  
95%

\* Assumed

SCS  
6-8-62

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															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE 6-8-62															