

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Glen

NAME OF RESERVOIR
Cimarron Basin
Trib. to Little

46-52

DATA SHEET NO.

DAM	1. OWNER Phillip Glen			2. STREAM Sandy Creek			3. STATE Kansas									
	4. SEC. SW 25 TWP. 32 RANGE 24			5. NEAREST P.O. Ashland			6. COUNTY Clark									
	7. LAT. 37 13' 00" LONG 99 52' 00"			8. TOP OF DAM ELEVATION 96 1/2			9. SPILLWAY CREST ELEV. 93 1/2									
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										Nov. 15, 1958					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY		93 1/2		11.1		57.1		57.1		16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										Nov. 15, 1958					
	f. CONSERVATION															
g. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR 0.5 2/3				MILES				AV. WIDTH OF RESERVOIR 0.05				MILES			
	18. TOTAL DRAINAGE AREA 0.95				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 21				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 0.93				SQ. MI.				23. MEAN ANNUAL RUNOFF 0.6				INCHES			
	20. LENGTH 4.5		MILES		AV. WIDTH 0.2		MILES		24. MEAN ANNUAL RUNOFF 30				AC.-FT.			
	21. MAX. ELEV.				MIN. ELEV.				25. ANNUAL TEMP: MEAN				RANGE			
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 26, 1966		7.75		7.75		Range (R)		5 (M)		11.0		Original 57.1 54.5		1.88 1.79	
	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 26, 1966		2.56		0.33		0.35		2.56		0.33		0.35			
	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 26, 1966		60 1/2		457		457		0.6		4.5						

26. 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
	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

Land use - Pasture fair. 100 percent rolling to steeply rolling.
 Trap efficiency - 100 percent.

1/ Assumed
2/ No side arms to main channel

48. AGENCY MAKING SURVEY Soil Conservation Service
 49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE August 1966