

RESERVOIR SEDIMENT DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Lee Pond

NAME OF RESERVOIR

32- 42

DATA SHEET NO.

DAM	1. OWNER James Lee				2. STREAM Trib. to Saline River				STATE Kansas						
	4. SEC. NW 35 TWP. 11 RANGE 5				5. NEAREST P.O. Tescott				6. COUNTY Ottawa						
	7. LAT. 39 03' " LONG. 97 51' "				8. TOP OF DAM ELEVATION 96.0*				9. SPILLWAY CREST ELEV. 93.0*						
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. FLOOD CONTROL		93.0*		21.4		152.4		152.4		Apr. 1952				
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY		86.0*		10.2		41.6		41.6		16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION										Apr. 1952				
	f. CONSERVATION														
	g. INACTIVE														
WATERSHED	17. LENGTH OF RESERVOIR .25 MILES				AV. WIDTH OF RESERVOIR .07 MILES										
	18. TOTAL DRAINAGE AREA .85 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 25.8 INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA .82 SQ. MI.				23. MEAN ANNUAL RUNOFF 1.80 INCHES										
	20. LENGTH 1.3 MILES				AV. WIDTH .60 MILES				24. MEAN ANNUAL RUNOFF 82 AC.-FT.						
	21. MAX. ELEV. 2500 *				MIN. ELEV. 2360 *				25. ANNUAL TEMP: MEAN 56° F RANGE						
	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.
6-2-70		18.2		18.2		Range (D)		7		21.4		Original 152.4 Present 146.3		1.868 1.784	
SURVEY DATA	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		
	6-2-70		6.13		.34		.41		6.13		.34		.41		
	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		
	6-2-70		*55#		492		492		.22 4.02						

*Estimate

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	-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 Slope: Range (Good) 6%. Land Use: 100% Range Trap Efficiency: 96% Yield: .428 Ac. Ft./Sq. Mi./Yr. (512.74 Tons/Sq. Mi./Yr.)															
48. AGENCY MAKING SURVEY Kansas Watershed Planning Staff, Soil Conservation Service 49. AGENCY SUPPLYING DATA Soil Conservation Service <div style="text-align: right;">50. DATE 9-29-70</div>															