

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

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Grant Tozier  
NAME OF RESERVOIR

Kansas River Basin

32-30  
DATA SHEET NO.

DAM	1. OWNER Grant Tozier				2. STREAM Trib. of Saline			3. STATE Kansas			
	4. SEC. NE 1 TWP. 12S RANGE 6W				5. NEAREST TOWN Beverly			6. COUNTY Lincoln			
	7. STREAM BED ELEVATION				8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV. 110*			
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										March 1952
	b. FLOOD CONTROL										
	c. POWER										
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN
	e. IRRIGATION										March 1952
	f. CONSERVATION		95.0*		3.53		71.9		71.9		
	g. SEDIMENT										
	h. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR 0.11 MILES				AV. WIDTH OF RESERVOIR 0.00 MILES						
	18. TOTAL DRAINAGE AREA 0.99 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 26 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 0.96 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH 1.75 MILES		AV. WIDTH 0.6 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.						
	21. MAX. ELEV. 1,450		MIN. ELEV. 1,340		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. PERSQ. MI.			
	Sept. 27, 28 and 29 1965	13.6		Range	6	3.0	60.9	63.4			
	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				
	Sept. 27, 28 and 29 1965	11.0	0.81	0.84	11.0	0.81	0.84				
	26. DATE OF SURVEY	39. AV. DRY WGT. LBS. PER CU. FT.	40. SED. DEP. TONS PERSQ. 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			
	Sept. 27, 28 and 29 1965	72*	1317	1317	1.1	15.3					

\* Assumed

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

Rolling topography  
 One half poor pasture  
 One half rolling cropland

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

50. DATE 9/27/65