

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

Wakarusa Watershed 7-23-62

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Gertsenberger

NAME OF RESERVOIR

31-44

DATA SHEET NO.

Trib. of Wakarusa River

DAM	1. OWNER C. C. Gertsenberger		2. STREAM Un-named trib.		3. STATE Kansas	
	4. SEC. 7 TWP. 13 RANGE 21		5. NEAREST TOWN Eudora		6. COUNTY Douglas	
	7. STREAM BED ELEVATION 80.1*		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	
	a. MULTIPLE USE					
	b. FLOOD CONTROL					
	c. POWER					
	d. WATER SUPPLY		93.1*		1.56	
	e. IRRIGATION				7.52	
	f. CONSERVATION				7.52	
	g. SEDIMENT					
	h. INACTIVE					
				15. DATE STORAGE BEGAN		
				16. DATE NORMAL OPER. BEGAN		
				5-3-55		
				5-3-55		
17. LENGTH OF RESERVOIR		0.14 MILES		AV. WIDTH OF RESERVOIR		0.02 MILES
18. TOTAL DRAINAGE AREA		0.125 SQ. MI.		22. MEAN ANNUAL PRECIPITATION		34* INCHES
19. NET SEDIMENT CONTRIBUTING AREA		0.122 SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES
20. LENGTH 0.5 MILES		AV. WIDTH 0.26 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.			
	6-6-62		7.1		7.1	
	Range		5		1.56	
	7.52		61.64		5.68	
	46.56					
	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		
6-6-62		1.84		0.26		
2.13		1.84		0.26		
2.13						
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. AV. AN.		b. TOT. TO DATE		a. PERIOD		
b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE		
6-6-62		56.2(2)		2609		
3.45		2609		3.45		
24.47						

TE =
95%

* Assumed

SCS
6-5-62

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

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