

RESERVOIR SEDIMENT
DATA SUMMARY
SCS-34 Rev. 5-62

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Kennedy
NAME OF RESERVOIR

31-43

Trib. of Wakarusa River

DATA SHEET NO.

DAM	1. OWNER <u>Harry Kennedy</u>			2. STREAM <u>Un-named Trib.</u>		3. STATE <u>Kansas</u>		
	4. SEC. <u>19</u> TWP. <u>13</u> RANGE <u>18</u>			5. NEAREST TOWN <u>Richland</u>		6. COUNTY <u>Douglas</u>		
	7. STREAM BED ELEVATION <u>75.0*</u>			8. TOP OF DAM ELEVATION <u>100.0*</u>		9. SPILLWAY CREST ELEV. <u>97.0*</u>		
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					April 1937		
	b. FLOOD CONTROL							
	c. POWER							
	d. WATER SUPPLY	<u>97.0*</u>	<u>6.04</u>	<u>61.19</u>	<u>61.19</u>	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION					April 1937		
	f. CONSERVATION							
	g. SEDIMENT							
h. INACTIVE								
17. LENGTH OF RESERVOIR			<u>0.24</u> MILES	AV. WIDTH OF RESERVOIR		<u>0.04</u> MILES		
WATERSHED	18. TOTAL DRAINAGE AREA			<u>0.23</u> SQ. MI.	22. MEAN ANNUAL PRECIPITATION		<u>34*</u> INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			<u>0.22</u> SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES	
	20. LENGTH <u>0.78</u> MILES		AV. WIDTH <u>0.34</u> 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.
	<u>5-23-62</u>	<u>25.1</u>	<u>25.1</u>	<u>Range</u>	<u>10</u>	<u>6.04</u>	<u>61.19</u> <u>54.27</u>	<u>278.14</u> <u>246.68</u>
	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	
	<u>5-23-62</u>	<u>6.92</u>	<u>0.28</u>	<u>1.27</u>	<u>6.92</u>	<u>0.28</u>	<u>1.27</u>	
	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
<u>5-23-62</u>	<u>46.7(2)</u>	<u>1294</u>	<u>1294</u>	<u>0.45</u>	<u>11.31</u>			

TE =
96%

* 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

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 5-23-62