

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Max Rieke Stockwater Pond
NAME OF RESERVOIR

31-67

DATA SHEET NO.

DAM	1. OWNER <u>Max Rieke</u>			2. STREAM <u>trib to Kansas River</u>			3. STATE <u>Kansas</u>							
	4. SEC. <u>31</u> TWP. <u>12</u> RANGE <u>22</u>			5. NEAREST P.O. <u>DeSoto</u>			6. COUNTY <u>Johnson</u>							
	7. LAT. <u>38° 58' 12"</u> LONG. <u>95° 00' 30"</u>			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV.							
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										5/64			
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN			
	c. POWER													
	d. WATER SUPPLY													
	e. IRRIGATION													
	f. CONSERVATION						428.41		428.41					
g. INACTIVE										6.64				
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES			
	18. TOTAL DRAINAGE AREA				0.41		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				35	
	19. NET SEDIMENT CONTRIBUTING AREA				0.41		SQ. MI.		23. MEAN ANNUAL RUNOFF				8.0	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				174.92	
	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.					
	6/64		0	0	-	-	27.7	428.41	2.45					
	8/20/73		9.17	9.17	Range (R)	8	27.70	425.00	2.43					
	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						
	8/20/73		3.41	0.37	0.91	3.41	0.37	0.91						
	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						
8/20/73		70*	1382.8	1382.8	0.09	0.80								

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															
<p>43% Cropland, 0 % lot.</p> <p>57% Pasture, poor</p>															
48. AGENCY MAKING SURVEY				S.C.S.											
49. AGENCY SUPPLYING DATA				50. DATE 8/20/73											