

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

John Willits Farm Pond

SCS-34 Rev. 6-66

NAME OF RESERVOIR

31 - 65

DATA SHEET NO.

DAM	1. OWNER <u>John Willits</u>			2. STREAMtrib to Buck Creek			3. STATE <u>Kansas</u>									
	4. SEC. <u>23</u> TWP. <u>10</u> RANGE <u>19</u>			5. NEAREST P. O. <u>Oskaloosa, KS</u>			6. COUNTY <u>Jefferson</u>									
	7. LAT. <u>39° 11' 19"</u> LONG <u>95° 16' 26"</u>			8. TOP OF DAM ELEVATION <u>-</u>			9. SPILLWAY CREST ELEV. <u>-</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. FLOOD CONTROL										16. DATE NORMAL OPER. BEGAN					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION										4/61					
	f. CONSERVATION						7.44		7.44							
g. INACTIVE																
17. LENGTH OF RESERVOIR					MILES		AV. WIDTH OF RESERVOIR					MILES				
WATERSHED	18. TOTAL DRAINAGE AREA				0.33		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				35		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				0.33		SQ. MI.		23. MEAN ANNUAL RUNOFF				6.0		INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				105.59		AC.-F.T.	
	21. MAX. ELEV.			MIN. ELEV.			25. ANNUAL TEMP: MEAN						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.			
4/3/61		0	0	-		-		2.2		7.44		0.07				
7/31/73		12.3	12.3	Range (S)		3		2.17		2.23		0.02				
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				
SURVEY DATA	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						
	7/31/73		5.21	0.42	1.28	5.21		0.42		1.28						
	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						
7/31/73		70*		1956.9	1956.9	5.69	70.0									

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
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>59% Cropland - 4% slope</p> <p>41% Pasture - 3 to 4 % slope</p>														
48. AGENCY MAKING SURVEY S.C.S.										50. DATE 7-31-73				
49. AGENCY SUPPLYING DATA														