

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

John Phillips Reservoir

SCS-34 Rev. 6-66

NAME OF RESERVOIR

31 - 64

DATA SHEET NO.

DAM	1. OWNER John R. Phillips			2. STREAM trib to Connor Cr			3. STATE Kansas							
	4. SEC. 26 TWP. 10 RANGE 23			5. NEAREST P.O. Wolcott, KS			6. COUNTY Wyandotte							
	7. LAT. 39° 08' 55" LONG. 94° 48' 44"			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										4/66			
	b. MULTIPLE USE													
	c. POWER													
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION													
	f. CONSERVATION						12.36		12.36		4/66			
g. INACTIVE														
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES			
	18. TOTAL DRAINAGE AREA				0.11		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				35 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				0.11		SQ. MI.		23. MEAN ANNUAL RUNOFF				6.5 INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				38.13 AC.-FT.	
	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.		
	4/66		0	0	-		-	1.7		12.36		0.32		
7/15/73		7.25	7.25	Range (R)		4	1.7		10.35		0.27			
SURVEY DATA	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							
7/15/73		2.01	0.28	2.52	2.01	0.28	2.52							
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					
7/15/73		70*		3842.6	3842.6	2.24	16.26							

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>14% Cropland, st. row</p> <p>33% Pasture, fair</p> <p>53% Urban development, exposed w/o cover for two years, now has fair grass cover</p>															
48. AGENCY MAKING SURVEY				S.C.S.											
49. AGENCY SUPPLYING DATA				50. DATE 7/15/73											