

**RESERVOIR SEDIMENT  
DATA SUMMARY**

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Paris  
NAME OF RESERVOIR

46- 36

DATA SHEET NO.

DAM	1. OWNER <b>Robert Paris</b>			2. STREAM <b>Trib-Wet Walnut Creek</b>		STATE <b>Kansas</b>		
	4. SEC. <b>12</b> TWP. <b>19</b> RANGE <b>29W</b>		5. NEAREST P. O. <b>Dighton</b>			6. COUNTY <b>Lane</b>		
	7. LAT <b>38° 24' 30"</b> LONG. <b>100° 26' 30"</b>		8. TOP OF DAM ELEVATION <b>100.00*</b>		9. SPILLWAY CREST ELEV. <b>96.20*</b>			
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					August 1940		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY	96.20	12.10	41.69	41.69	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION					August 1940		
	f. CONSERVATION							
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR <b>0.32</b> MILES			AV. WIDTH OF RESERVOIR <b>0.03</b> MILES				
	18. TOTAL DRAINAGE AREA <b>3.60</b> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>19</b> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <b>2.20</b> SQ. MI.		23. MEAN ANNUAL RUNOFF <b>0.25</b> INCHES					
	20. LENGTH <b>2.00</b> MILES	AV. WIDTH <b>1.50</b> MILES	24. MEAN ANNUAL RUNOFF <b>48</b> AC.-FT.					
	21. MAX. ELEV.	MIN. ELEV.	25. ANNUAL TEMP.: MEAN <b>56</b> RANGE <b>-26 to 115</b>					
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.
	August 29 1967	27	27	Range	8	12.10	Original 41.69 Present 36.66	.87  .76
	25. 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	
	August 29 1967	5.03	0.19	0.09	5.03	0.19	0.09	
	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	
	August 29 1967	60*	117	117	0.46	12.06		

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

\* Assumed

Cropland = 96% with 27% Lct, pothole area with 0 - 1% slopes  
 cons. applied over last 15 years

Pasture (good) = 4% with 3% slopes

I.E. = 93%

Watershed yield = 0.10 ac. ft./sq. mi./yr.

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA U.S.D.A., Soil Conservation Service 50. DATE September 11, 1967