

U.S. DEPARTMENT OF AGRICULTURE  
**RESERVOIR SEDIMENTATION  
DATA SUMMARY**

Payer Pond

NAME OF RESERVOIR

SOIL CONSERVATION SERVICE

45-33

DATA SHEET NO.

DAM	1. OWNER Victor Payer			2. RIVER Unnamed		3. STATE Kansas		
	4. SEC. 18 TWP. 215 RANGE 17E			5. NEAREST TOWN Burlington		6. COUNTY Coffey		
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV.		
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL							
	b. POWER		10.63	54.97	54.97	Jan., 1938		
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION					April 1938		
	f. INACTIVE							
17. LENGTH OF RESERVOIR 0.5 MILES		AV. WIDTH OF RESERVOIR 0.07 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 0.345 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 41 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.345 SQ. MI.		23. MEAN ANNUAL RUNOFF -- INCHES					
	20. LENGTH 1.5 MILES AV. WIDTH 0.8 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.
	Jan., 1938	-	-	-	-	10.63	54.97	159
	July, 1957	19.5	19.5	Range	13	10.55	44.12	128
	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	
	July, 1957	41						
	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	
	July, 1957	10.85	0.556	1.61	10.85	0.556	1.61	
	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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
July, 1957	57	1998.8	1998.8	1.01	19.74			

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 SUPPLYING DATA      Soil Conservation Service      49. DATE \_\_\_\_\_