

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Nolte

31-30

NAME OF RESERVOIR  
Unnamed Tributary

DATA SHEET NO.

DAM	1. OWNER Wilbur Nolte		2. RIVER (Wolf River)		3. STATE Kansas			
	4. SECS. SW, NE 39 TWP. 2 S RANGE 17 E		5. NEAREST TOWN Hiawatha		6. COUNTY Brown			
	7. STREAM BED ELEV. 900*		8. TOP OF DAM ELEV. 920*		9. SPILLWAY CREST ELEV. 922*			
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					May 1951		
	b. POWER							
	c. WATER SUPPLY	918*	1.59	7.55	7.55	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION					May 1951		
	f. INACTIVE							
17. LENGTH OF RESERVOIR 0.10 MILES			AV. WIDTH OF RESERVOIR 0.03 MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 0.42 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 36.0 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.42 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH 0.95 MILES	AV. WIDTH 0.45 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.
	May 1951	-	-	-	-	-	7.55	17.98
	October 3 1955	4.0	4.0	Range	4	1.59	5.67	13.50
	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	d. MEAN ANNUAL	e. TOTAL TO DATE.
	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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR	
	October 1955	1.88	0.47	1.12	1.88	0.47	1.12	
	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	
October 1955	68.43	1669	1614	6.23	24.9			

\* Assumed

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 NOV-6 1961