

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

Flinner
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
31-23
DATA SHEET NO.

DAM	1. OWNER Max Flinner			2. RIVER Unnamed Tributary			3. STATE Kansas			
	4. SEC. SE 35 TWP. 9 S RANGE 21 E			5. NEAREST TOWN Leavenworth			6. COUNTY Leavenworth			
	7. STREAM BED ELEV. 1000*			8. TOP OF DAM ELEV. 1033*			9. SPILLWAY CREST ELEV. 1030*			
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					November 1936				
	b. POWER									
	c. WATER SUPPLY	1028*	7.22	81.6	81.6	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION					November 1936				
	f. INACTIVE									
17. LENGTH OF RESERVOIR		0.3	MILES	AV. WIDTH OF RESERVOIR		0.06	MILES			
WATERSHED	18. TOTAL DRAINAGE AREA		0.64	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		35*	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		0.63	SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES		
	20. LENGTH	1.5	MILES	AV. WIDTH	0.42	MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.	
	21. MAX. ELEV.	1160	MIN. ELEV.	1000	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.		
	Nov., 1936	-	-	-	-	7.22	81.6	127.5		
	August 1957	20.7	20.7	Range	14	7.22	26.1	40.8		
	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 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			
	August 1957	56.3	2.71	4.22	56.3	2.71	4.22			
	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			
August 1957	60*	5515	5515	9.4	68.1					

* 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