

RESERVOIR SEDIMENTATION
DATA SUMMARY

Stevenson's Lake

17-19

NAME OF RESERVOIR
Tributary to

DATA SHEET NO.

DAM	1. OWNER Mr. W.D. Stevenson		2. RIVER Kettering Br.		3. STATE Illinois			
	4. SEC. 32 TWP. 11N RANGE 13W		5. NEAREST TOWN Martinsville		6. COUNTY Clark			
	7. STREAM BED ELEV. 590'*		8. TOP OF DAM ELEV. 611'*		9. SPILLWAY CREST ELEV. 606'*			
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					1950		
	b. POWER							
	c. WATER SUPPLY	606'	9.43	52.11	52.11	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.446 MILES		AV. WIDTH OF RESERVOIR 0.034 MILES					
	18. TOTAL DRAINAGE AREA 0.342 SQ. MI.		22. MEAN ANNUAL PRECIPITATION (45) 39.5 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.327 SQ. MI.		23. MEAN ANNUAL RUNOFF (20-40) 12 INCHES					
	20. LENGTH 0.693 MILES		AV. WIDTH 0.493 MILES		24. MEAN ANNUAL RUNOFF 219.2 AC.-FT.			
	21. MAX. ELEV. 625'		MIN. ELEV. 590'		25. CLIMATIC CLASSIFICATION Humid			
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. %W RATIO AC.-FT. PER SQ. MI.
	June 1959	9	9	DR	8	9.43 9.43	52.11 46.5	152.4 136.0
	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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
	June 1959	5.61	0.62	1.89	5.61	0.62	1.89	
	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
	June 1959	48.0 (7)	1975.9	1975.9	1.2	11.0		

* 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
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	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
47. REMARKS AND REFERENCES														
48. AGENCY SUPPLYING DATA Illinois State Water Survey 49. DATE Sept. 29, 1961														