

RESERVOIR SEDIMENTATION
DATA SUMMARY

Vevay Park Lake
NAME OF RESERVOIR
Unnamed Tributary

17-20

DATA SHEET NO.

DAM	1. OWNER Mr. Eittlebrick			2. RIVER of Range Creek			3. STATE Illinois									
	4. SEC. 26 TWP. 10N RANGE 10E			5. NEAREST TOWN Greenup			6. COUNTY Cumberland									
	7. STREAM BED ELEV. 590'*			8. TOP OF DAM ELEV. 615'*			9. SPILLWAY CREST ELEV. 610'*									
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										1906					
	b. POWER															
	c. WATER SUPPLY		610'		10.68		67.41		67.41		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.852 MILES				AV. WIDTH OF RESERVOIR 0.019 MILES											
	18. TOTAL DRAINAGE AREA 0.294 SQ. MI.				22. MEAN ANNUAL PRECIPITATION (45) 39.5 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.278 SQ. MI.				23. MEAN ANNUAL RUNOFF (20-40) 11 INCHES											
	20. LENGTH 1.08 MILES AV. WIDTH 0.272 MILES				24. MEAN ANNUAL RUNOFF 172.4 AG.-FT.											
	21. MAX. ELEV. 640'		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.	
	1906 June 1959		- 53		- 53		- DR		- 19		10.68 10.68		67.41 54.50		229.3 185.4	
	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			
	June 1959		12.91		0.24		0.87		12.91		0.24		0.87			
	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 P P M							
			a. PERIOD		b. TOTAL TO DATE		a. AV. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE			
June, 1959		47.61 (14)		902.1		902.1		0.4 19.2								

* 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 Illinois State Water Survey 49. DATE Sept. 29, 1961