

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Edwards Lake

24-31

Unnamed Reservoir

DATA SHEET NO.

DAM	1. OWNER Lake Edward Club		2. RIVER Cahokia Creek		3. STATE Illinois				
	4. LONG. 17 LAT. 8N RANGE 6W		5. NEAREST TOWN Gillespie		6. COUNTY Macoupin				
	7. STREAM BED ELEV. 602 ↓		8. TOP OF DAM ELEV. 626 ↓		9. SPILLWAY CREST ELEV. 620 ↓				
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					1949			
	b. POWER								
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION	620	10.0	74.2	74.2				
	f. INACTIVE								
17. LENGTH OF RESERVOIR		0.492	MILES	AV. WIDTH OF RESERVOIR		0.0317 FEET			
WATERSHED	18. TOTAL DRAINAGE AREA		0.42	SQ. MI.	22. MEAN ANNUAL PRECIPITATION (45)		38 INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		0.40	SQ. MI.	23. MEAN ANNUAL RUNOFF (20-40)		9.5 INCHES		
	20. LENGTH		1.27	MILES	AV. WIDTH		0.31 MILES		
	21. MAX. ELEV.		660 ↓	MIN. ELEV.	602	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. C/W RATIO AC.-FT. PER SQ. MI.	
	1949	-	-	-	-	74.2	74.2	176.7	
	Aug. 1958	9	9	RD	16	74.2	68.0	161.9	
	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		
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE		
	Aug. 1958	46.86 (13)	1755.47	1755.47	0.9	8.3			

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
1 Estimated from U.S.G.S. Quad. Sheets

48. AGENCY SUPPLYING DATA Illinois State Water Survey 49. DATE 6 Oct. 1961