

**RESERVOIR SEDIMENTATION  
 DATA SUMMARY**

Etcheson's Lake

24-32

Unnamed NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER John Etcheson			2. RIVER Kaskaskia River			3. STATE Illinois		
	4. LONG. 31 LAT. 7N RANGE 1E			5. NEAREST TOWN Vandalia			6. COUNTY Fayette		
	7. STREAM BED ELEV. 525 1/2			8. TOP OF DAM ELEV. 543 1/2			9. SPILLWAY CREST ELEV. 539		
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					1943			
	b. POWER								
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION	539	3.3	19.7	19.7				
f. INACTIVE,									
WATERSHED	17. LENGTH OF RESERVOIR 0.197 MILES			18. AV. WIDTH OF RESERVOIR 0.0262 FEET					
	19. TOTAL DRAINAGE AREA 0.27 SQ. MI.			20. MEAN ANNUAL PRECIPITATION (45) 39 INCHES					
	21. NET SEDIMENT CONTRIBUTING AREA 0.26 SQ. MI.			22. MEAN ANNUAL RUNOFF (20-40) 10 INCHES					
	23. LENGTH 0.693 MILES			24. AV. WIDTH 0.390 MILES			25. MEAN ANNUAL RUNOFF 144.1 AC.-FT.		
	26. MAX. ELEV. 600 1/2			27. MIN. ELEV. 525 1/2			28. CLIMATIC CLASSIFICATION Humid		
SURVEY DATA	29. DATE OF SURVEY	30. PERIOD YEARS	31. ACCL. YEARS	32. TYPE OF SURVEY	33. NO. OF RANGES OR CONTOUR INT.	34. SURFACE AREA ACRES	35. CAPACITY ACRE-FEET	36. C/W RATIO AC.-FT. PER SQ. MI.	
	Aug. 1958	15	15	RD	5	19.7	19.7 16.0	72.96 59.26	
	29. DATE OF SURVEY	30. PERIOD ANNUAL PRECIPITATION	31. PERIOD WATER INFLOW ACRE-FEET			32. WATER INFL. TO DATE AC.-FT.			
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE		
	29. DATE OF SURVEY	30. PERIOD SEDIMENT DEPOSITS ACRE-FEET			31. 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		
	Aug. 1958	3.7	0.25	0.93	3.7	0.25	0.93		
	29. DATE OF SURVEY	30. AV. DRY WGT. LBS. PER CU. FT.	31. SED. DEP. TONS PER SQ. MI.-YR.		32. STORAGE LOSS PCT.		33. SED. INFLOW PPM		
			a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Aug. 1958	55.66 (5)	1127.33	1127.33	1.3	18.8				

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 USGS Quad. Sheets

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