

**RESERVOIR SEDIMENTATION  
 DATA SUMMARY**

Macoupin County Lake Club

24-41

Unnamed Trib. of

DATA SHEET NO.

DAM	1. OWNER G M & O R.R.			2. RIVER Hurricane Creek		3. STATE Illinois		
	4. LONG. 6 LAT. 9N RANGE 7W		5. NEAREST TOWN Carlinville		6. COUNTY Macoupin			
	7. STREAM BED ELEV. 572		8. TOP OF DAM ELEV. 607		9. SPILLWAY CREST ELEV. 602			
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					1904		
	b. POWER							
	c. WATER SUPPLY	602	15.9	160.5	160.5	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
17. LENGTH OF RESERVOIR		.587 $\frac{1}{2}$	MILES	AV. WIDTH OF RESERVOIR		0.0418	FEET	
WATERSHED	18. TOTAL DRAINAGE AREA		0.28	SQ. MI.	22. MEAN ANNUAL PRECIPITATION (45)		38 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA		0.26	SQ. MI.	23. MEAN ANNUAL RUNOFF (20-40)		9.5 INCHES	
	20. LENGTH		1.35	MILES	AV. WIDTH		0.21 MILES	
	21. MAX. ELEV.		625 $\frac{2}{2}$	MIN. ELEV.	572	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.
	1904	-	-	-	-	15.9	160.5	573.2
	June 1958	.54	54	RD	16	15.9	135.8	485.0
	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	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 1958	24.7	0.46	1.76	24.7	0.46	1.76	
	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 1958	37.13 (16)	1423.32	1423.32	0.3	15.4			

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/ Lake is composed of 2 principal arms  
 Arm (1) 0.371 mi. long  
 Arm (2) 0.216 mi. long

2/ Estimated from U.S.G.S. Quad. Sheets

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