

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Lake Carlinville
 NAME OF RESERVOIR

24-3b
 DATA SHEET NO.

DAM	1. OWNER City of Carlinville				2. RIVER Money Creek		3. STATE Illinois									
	4. LONG. 10		LAT. 9N		RANGE 7W		5. NEAREST TOWN Carlinville									
	7. STREAM BED ELEV. 543				8. TOP OF DAM ELEV. 580		9. SPILLWAY CREST ELEV. 570									
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										Jan. 1939					
	b. POWER															
	c. WATER SUPPLY		570		175		1725		1725		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 2.0				MILES		AV. WIDTH OF RESERVOIR 0.14		FEET							
	18. TOTAL DRAINAGE AREA 26.06				SQ. MI.		22. MEAN ANNUAL PRECIPITATION 39		INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 25.79				SQ. MI.		23. MEAN ANNUAL RUNOFF 10.5		INCHES							
	20. LENGTH 9.2		MILES		AV. WIDTH 2.8		MILES		24. MEAN ANNUAL RUNOFF 14.433							
	21. MAX. ELEV. 680				MIN. ELEV. 543		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.	
	June, 1939		-		-		-		-		-		1725		66.2	
	June 1949		10.4		10.4		DR		15		167.3		1475		56.6	
	July 1954		5.1		15.5		DR		15		166.6		1427		54.8	
	Sep. 1959		5.1		20.6		DR		15		166.0		1387		53.3	
	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 1949		250		24.0		.934		250		24.0		.934			
	July 1954		48		9.4		.365		298		19.2		.745			
	Sep. 1959		40		7.8		.302		332		16.0		.615			
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		
June 1949		(10) 59.1		1200		1200		1.40		14.52						
July 1954		(4) 65.7		521		1064		1.11		17.3						
Sep. 1959		62.4		480		359		0.945		19.6						

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. 20, 1961															