

RESERVOIR SEDIMENTATION
DATA SUMMARY

Lake Bloomington
NAME OF RESERVOIR

24-2b

DATA SHEET NO.

DAM	1. OWNER City of Bloomington			2. RIVER Money Creek			3. STATE Illinois									
	4. SEC. 1 TWP. 25N RANGE 2E			5. NEAREST TOWN Hudson			6. COUNTY McLean									
	7. STREAM BED ELEV. 683			8. TOP OF DAM ELEV. 730			9. SPILLWAY CREST ELEV. 715									
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										Dec. 1929					
	b. POWER															
	c. WATER SUPPLY		715		487		6654		6654		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 7 MILES				AV. WIDTH OF RESERVOIR 0.15 MILES											
	18. TOTAL DRAINAGE AREA 61 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 36 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 60 SQ. MI.				23. MEAN ANNUAL RUNOFF 10.5 INCHES											
	20. LENGTH 18.5 MILES		AV. WIDTH 3.3 MILES		24. MEAN ANNUAL RUNOFF 3358 AC.-FT.											
	21. MAX. ELEV. 875		MIN. ELEV. 683		25. CLIMATIC CLASSIFICATION Humid											
SURVEY DATA	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACGL. 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.	
	Dec., 1929										487		6654		109	
	Aug., 1948		18.7		18.7		D.R.		20		487		6062		99	
	Aug. 1952		4.0		22.7		D.R.		20		487		5905		97	
	July 1955		2.9		25.6		D.R.		20		487		5863		96	
	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		a. MEAN ANNUAL		b. 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		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
Aug. 1948		592		31.7		0.528		592		31.7		.528				
Aug. 1952		157		39.3		0.655		749		33.0		.550				
July 1955		42		14.5		0.242		791		30.9		.515				
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		c. PERIOD		d. TOT. TO DATE		
Aug. 1948		41.5(12)		477		477		0.48		8.90						
Aug. 1952		41.5		592		497		0.50		11.25						
July 1955		46.0(16)		243		516		0.46		11.90						

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 Survey⁷⁹ DATE Sept. 1961