

RESERVOIR SEDIMENTATION
 DATA SUMMARY

C B & Q R.R. Lake

24-30

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER CB&Q Railroad			2. RIVER Trib of Sangamon			3. STATE Illinois									
	4. LONG. Sec. 12 Twp. 17N			5. NEAREST TOWN Tallula			6. COUNTY Menard									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.									
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										1902					
	b. POWER															
	c. WATER SUPPLY				5.0		31.7		31.7		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR .244 MILES				AV. WIDTH OF RESERVOIR .041 FEET											
	18. TOTAL DRAINAGE AREA 0.85 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 36 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.84 SQ. MI.				23. MEAN ANNUAL RUNOFF 10.5 INCHES											
	20. LENGTH 1.21 MILES		AV. WIDTH .694 MILES		24. MEAN ANNUAL RUNOFF 470 AC.-FT.											
	21. MAX. ELEV.		MIN. ELEV.		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.	
	1902		-		-		-		-		5.0		31.7		37	
	July 1952		50		50		D		5		5.0		15.4		18	
	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		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		d. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
	July 1952		16.3		0.33		0.39		16.3		0.33		0.39			
	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				
July 1952		49.3 (1)		419		419		1.03 51.5								

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
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION													
July 1952	17.0	21.0	10.0	9.0	8.0	8.0	8.5	7.5	5.5	5.5				
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 27 April 1955 Division														