

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Lake Johnston City

NAME OF RESERVOIR

16-27

DATA SHEET NO.

DAM	1. OWNER Johnston City			2. RIVER Lake Creek			3. STATE Illinois			
	4. SEC. 27 TWP. 8S RANGE 3E			5. NEAREST TOWN Johnston City			6. COUNTY Williamson			
	7. STREAM BED ELEV. 434			8. TOP OF DAM ELEV. 460*			9. SPILLWAY CREST ELEV. 451			
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				
	d. FLOOD CONTROL					1922				
	b. POWER									
	c. WATER SUPPLY	451	63.5	471	471	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR .600 MILES			AV. WIDTH OF RESERVOIR .166 MILES						
	18. TOTAL DRAINAGE AREA 3.85 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 43 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 3.75 SQ. MI.			23. MEAN ANNUAL RUNOFF 12.09 INCHES						
	20. LENGTH 3.50 MILES			AV. WIDTH 1.10 MILES			24. MEAN ANNUAL RUNOFF 2418 AC.-FT.			
	21. MAX. ELEV. 580			MIN. ELEV. 434			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.		
	Aug. 1957	35	35	D.R.	7	63.5 63.5	471 394	122 105		
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG-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	
	Aug. 1957	77	2.20	.59	77		2.20		.59	
	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. 1957	48.3 (7)	620	620	0.46	16.29					

\* Assumed

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