

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Lake Gillespie

24-38

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Gillespie			2. RIVER Dry Fork			3. STATE Illinois		
	4. LONG. 10 LAT. 8N RANGE 7W			5. NEAREST TOWN Gillespie			6. COUNTY Macoupin		
	7. STREAM BED ELEV. *602			8. TOP OF DAM ELEV. *630			9. SPILLWAY CREST ELEV. *625		
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					1923			
	b. POWER								
	c. WATER SUPPLY	*625	71	799	799	16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE								
17. LENGTH OF RESERVOIR .93 MILES			AV. WIDTH OF RESERVOIR .118 FEET						
WATERSHED	18. TOTAL DRAINAGE AREA 5.73 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 38 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 5.62 SQ. MI.			23. MEAN ANNUAL RUNOFF 10.5 INCHES					
	20. LENGTH 4.00 MILES		AV. WIDTH 1.405 MILES		24. MEAN ANNUAL RUNOFF 293.4 AC.-FT.				
	21. MAX. ELEV. 663		MIN. ELEV. 602		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.	
	July 1923	-	-	-	-	71	799	139	
	July 1954	32	32	D.R.	17	71	696	121	
	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		
	July 1954	103	3.23	.57	103	3.23	.57		
	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 1954	37.9 (3)	470	470.	.40	12.94				

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														
1954	12	15.5	11.5	19	14	9.5	3.5	5.0	5.0	5.0					

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
625	71	226	607	10	10			
622	60	167.5	604	2	1			
619	47	120.0						
616	36	72.5						
613	26	42.5						
610	22.5	17.5						

47. REMARKS AND REFERENCES