

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

King's Lake

24-35

Unnamed ^{NAMES OF} RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Arthur King		2. RIVER Cahokia Creek		3. STATE Illinois			
	4. LONG. 9 LAT. 7N RANGE 6W		5. NEAREST TOWN Eagarville		6. COUNTY Macoupin			
	7. STREAM BED ELEV. 603		8. TOP OF DAM ELEV. 632		9. SPILLWAY CREST ELEV. 628.6			
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					1921		
	b. POWER							
	c. WATER SUPPLY	628.6	14.8	158.6	158.6	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
17. LENGTH OF RESERVOIR 0.223 MILES		AV. WIDTH OF RESERVOIR 0.103 FEET						
WATERSHED	18. TOTAL DRAINAGE AREA 0.46 SQ. MI.		22. MEAN ANNUAL PRECIPITATION (45) 38 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.44 SQ. MI.		23. MEAN ANNUAL RUNOFF (20-40) 9.5 INCHES					
	20. LENGTH 1.01 MILES		AV. WIDTH 0.44 MILES		24. MEAN ANNUAL RUNOFF 233.2 AC.-FT.			
	21. MAX. ELEV. 650 <u>1</u>		MIN. ELEV. 603		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.
	1921	-	-	-	-	14.8	158.6	344.8
	June 1958	37	37	RD	13	14.8	139.5	303.3
	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	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	
	June 1958	19.1	0.52	1.17	19.1	0.52	1.17	
	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	
June 1958	54.42 (14)	1386.73	1386.73	0.3	12.0			

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
1 Taken from U.S.G.S. Quad. Sheets

48. AGENCY SUPPLYING DATA Illinois State Water Survey 49. DATE 6 Oct. 1961