

RESERVOIR SEDIMENTATION
DATA SUMMARY

Christopher Reservoir
NAME OF RESERVOIR

16-23
DATA SHEET NO.

DAM	1. OWNER City of Christopher		2. RIVER Trib. to King Cr		3. STATE Illinois			
	4. SEC. 16 TWP. 6S RANGE 1E		5. NEAREST TOWN Christopher		6. COUNTY Franklin			
	7. STREAM BED ELEV. 420'*		8. TOP OF DAM ELEV. 445'*		9. SPILLWAY CREST ELEV. 440'*			
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					1925		
	b. POWER							
	c. WATER SUPPLY	440'*	43.17	383.94	383.94	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.762 MILES		AV. WIDTH OF RESERVOIR 0.088 MILES					
	18. TOTAL DRAINAGE AREA 0.925 SQ. MI.		22. MEAN ANNUAL PRECIPITATION (45) 42 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.858 SQ. MI.		23. MEAN ANNUAL RUNOFF (20-40) 13 INCHES					
	20. LENGTH 1.340 MILES		AV. WIDTH 0.503 MILES		24. MEAN ANNUAL RUNOFF 642.2 AG.-FT.			
	21. MAX. ELEV. 510'*		MIN. ELEV. 420'*		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.
	1925	-	-	-	-	43.17	383.94	415.07
	July, 1960	35	35	DR	7	43.17	353.59	382.26
	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, 1960	30.35	0.87	1.01	30.35	0.87	1.01	
	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, 1960	37.1 (5)	---	816.1	0.2	7.9			

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 Survey

49. DATE 10-19-61