

RESERVOIR SEDIMENTATION  
DATA SUMMARY

I.C. Res. at Kinrundy

24-34

NAME OF RESERVOIR  
Unnamed tributary to East:

DATA SHEET NO.

DAM	1. OWNER Ill. Central R.R.			2. RIVER Fork of Kaskaskia			3. STATE Illinois				
	4. SEC. 27 TWP. 4N RANGE 3E			5. NEAREST TOWN Kinrundy			6. COUNTY Merion				
	7. STREAM BED ELEV. 580'*			8. TOP OF DAM ELEV. 604'*			9. SPILLWAY CREST ELEV. 599'*				
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	599'	23.58	174.14	174.14	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE										
17. LENGTH OF RESERVOIR		0.773	MILES	AV. WIDTH OF RESERVOIR		0.048	MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		0.618	SQ. MI.	22. MEAN ANNUAL PRECIPITATION (45)		40	INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA		0.581	SQ. MI.	23. MEAN ANNUAL RUNOFF (20-40)		11.5	INCHES			
	20. LENGTH		1.48	MILES	AV. WIDTH		0.418	MILES			
	21. MAX. ELEV.		640'	MIN. ELEV.		580'	25. CLIMATIC CLASSIFICATION Humid				
	24. MEAN ANNUAL RUNOFF					379.2	AC.-FT.				
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. $\frac{C}{W}$ RATIO AC.-FT. PER SQ. MI.			
	1902	-	-	-	-	23.58	174.14	281.78			
	July 1959	57	57	DR	13	23.58	149.10	241.26			
	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				
	July 1959										
	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, 1959	25.04	0.44	0.756	25.04	0.44	0.756				
	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 1959	35.5 (10)	584.5	584.5	0.3	14.4						

\* 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
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