

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

I.C.R.R. Res. at Bluford

17-12a

		NAME OF RESERVOIR				DATA SHEET NO.				
DAM	1. OWNER	Illinois Central R.R.		2. RIVER	Fourmile Creek		3. STATE	Illinois		
	4. LONG.	35	LAT.	2S	RANGE	4E	5. NEAREST TOWN	Bluford		
	6. COUNTY	Jefferson								
RESERVOIR	7. STREAM BED ELEV.	467'		8. TOP OF DAM ELEV.	493'		9. SPILLWAY CREST ELEV.	488'		
	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					1926				
	b. POWER									
	c. WATER SUPPLY	488'	98.57	670.67	670.67		16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
	17. LENGTH OF RESERVOIR	1.241		MILES	AV. WIDTH OF RESERVOIR	0.124		FEET		
	18. TOTAL DRAINAGE AREA	3.353		SQ. MI.	22. MEAN ANNUAL PRECIPITATION	(45)		41	INCHES	
19. NET SEDIMENT CONTRIBUTING AREA	3.199		SQ. MI.	23. MEAN ANNUAL RUNOFF	(20-110)		12.5	INCHES		
20. LENGTH	2.938		MILES	AV. WIDTH	1.141		MILES	24. MEAN ANNUAL RUNOFF	2236.0	AC.-FT.
21. MAX. ELEV.	615*		MIN. ELEV.	467'		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.		
	June, 1960	34	34	DR	-	98.57 98.57	670.67 609.70	200.00 181.84		
	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	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			
	June, 1960	60.97	1.79	0.565	60.97	1.79	0.565			
	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			
	June, 1960	43.5 (18)	493	493	.27	9.09				

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