

RESERVOIR SEDIMENTATION  
 DATA SUMMARY

Power Farms Ponds  
 NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Mrs. Frank C. Reilly			2. RIVER Trib of Sangamon			3. STATE Illinois									
	4. LONG Sec. 4 LAT. Twp. 17N RANGE 5W			5. NEAREST TOWN Central			6. COUNTY Sangamon									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.									
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										1940					
	b. POWER				1.2		4.2		4.2		16. DATE NORMAL OPER. BEGAN					
	c. WATER SUPPLY															
	d. IRRIGATION															
	e. CONSERVATION															
WATERSHED	f. INACTIVE															
	17. LENGTH OF RESERVOIR .0985 MILES			AV. WIDTH OF RESERVOIR .0203 FEET												
	18. TOTAL DRAINAGE AREA .668 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 37 INCHES												
	19. NET SEDIMENT CONTRIBUTING AREA .666 SQ. MI.			23. MEAN ANNUAL RUNOFF 10.5 INCHES												
	20. LENGTH 1.062 MILES		AV. WIDTH .627 MILES		24. MEAN ANNUAL RUNOFF 373 AC.-FT.											
	21. MAX. ELEV.		MIN. ELEV.		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.	
	1940		-		-		-		-		1.2		4.2		6.3	
	July 1952		12		12		D		3		1.2		1.3		2.0	
	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											
July 1952		2.90 0.24 0.36			2.90 0.24 0.36											
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		c. AV. ANNUAL d. TOT. TO DATE		e. PERIOD f. TOT. TO DATE										
July 1952		54.9 430 430		5.67 68.09												

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														
July 1952	18	17	14	14	11	10	7	3	3	3					

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 Division

49. DATE 5 May 1955