

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Mauvaise Terre Lake

24-13

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Jacksonville			2. RIVER Mauvaise Terre Cr.			3. STATE Ill.			
	4. SEC. 27, 28 TWP. 15N RANGE 10W			5. NEAREST TOWN Jacksonville			6. COUNTY Morgan			
	7. STREAM BED ELEV. 572*			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 590*			
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	590*	245	1820	1820	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					1921				
WATERSHED	17. LENGTH OF RESERVOIR 2.1 MILES			AV. WIDTH OF RESERVOIR 0.18 MILES						
	18. TOTAL DRAINAGE AREA 32.6 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 36 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 32.2 SQ. MI.			23. MEAN ANNUAL RUNOFF 10.5 INCHES						
	20. LENGTH 11 MILES		AV. WIDTH 2.9 MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.			
	21. MAX. ELEV. 700		MIN. ELEV. 572		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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.		
	1921	-	-	-	-	2.45	1,820	56		
	June 1952	31	31	Detailed	14	223	1,215	37		
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-FT.			
				a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. 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	d. TOTAL TO DATE	e. AV. ANNUAL	c. PER SQ. MI.-YEAR			
	June 1952	605	19.5	0.61	605	19.5	0.61			
	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 1952	48.2 (2)	640	640	1.07	33.2	-	-			

\* 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	-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

Ill. Water Survey Div.  
Urbana, Ill.

48. AGENCY SUPPLYING DATA

49. DATE 12/1/54