

C.9

RESERVOIR SEDIMENTATION
DATA SUMMARY

Lake Jacksonville

NAME OF RESERVOIR

24-12

DATA SHEET NO.

DAM	1. OWNER City of Jacksonville			2. RIVER Sandy Creek			3. STATE Illinois					
	4. SEC. 10, 11 TWP. 14N RANGE 10W			5. NEAREST TOWN Jacksonville			6. COUNTY Morgan					
	7. STREAM BED ELEV. 602			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 644					
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					1939						
	b. POWER											
	c. WATER SUPPLY	644	469	7058	7058	16. DATE NORMAL OPER. BEGAN						
	d. IRRIGATION					1939						
	e. CONSERVATION											
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 4.4			MILES			AV. WIDTH OF RESERVOIR 0.17			MILES		
	18. TOTAL DRAINAGE AREA 10.8			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 36			INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA 10.1			SQ. MI.			23. MEAN ANNUAL RUNOFF 10.5			INCHES		
	20. LENGTH 6.5			MILES			AV. WIDTH 1.7			MILES		
	21. MAX. ELEV. 700			MIN. ELEV. 602			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.				
	1939	-	-	-	-	469	7058	654				
	June 1952	12.0	12.0	Recon.	10	469	6874	636				
	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 1952	184	15.3	1.51	184	15.3	15.1					
	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					
June 1952	32.5	1069	1069	0.22	2.61	-	-					

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