

RESERVOIR SEDIMENTATION
DATA SUMMARY

Jackson Lake

NAME OF RESERVOIR

19 - 40

DATA SHEET NO.

DAM	1. OWNER			2. RIVER Black Fork			3. STATE Ohio														
	4. SEC. TWP. RANGE			5. NEAREST TOWN Oak Hill			6. COUNTY Jackson														
	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																				
	c. WATER SUPPLY																				
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN										
	e. CONSERVATION																				
	f. INACTIVE				243*		1700*		1700*												
WATERSHED	17. LENGTH OF RESERVOIR						MILES			AV. WIDTH OF RESERVOIR			MILES								
	18. TOTAL DRAINAGE AREA						18.8			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA						18.4			SQ. MI.			23. MEAN ANNUAL RUNOFF			INCHES					
	20. LENGTH						MILES			AV. WIDTH			MILES			24. MEAN ANNUAL RUNOFF			AC.- FT.		
	21. MAX. ELEV.						MIN. ELEV.			25. CLIMATIC CLASSIFICATION											
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		-		-						243*		1700*		90.						
	1951		11		11								1590*		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								
	1951		110		10.0		0.54		110		10.0		0.54								
	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							
1951		60.0*		705.		705.		0.59		6.47											

*Estimated

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															
48. AGENCY SUPPLYING DATA				Bulletin 24 Ohio Division of Water					49. DATE <u>June 1955</u>						