

RESERVOIR SEDIMENTATION
DATA SUMMARY

Wolfden Lake

NAME OF RESERVOIR

19-32

DATA SHEET NO.

DAM	1. OWNER Div. of Parks			2. RIVER Wolfden Run			3. STATE Ohio									
	4. SEC. TWP. Nile RANGE			5. NEAREST TOWN Friendship			6. COUNTY Scioto									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 880(est.)									
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										1936					
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION		880 (est)		2.80		25.40		25.40		1936					
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.14 MILES						AV. WIDTH OF RESERVOIR 0.03 MILES									
	18. TOTAL DRAINAGE AREA 0.60 SQ. MI.						22. MEAN ANNUAL PRECIPITATION 42.3(25 yrs) INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA 0.60 SQ. MI.						23. MEAN ANNUAL RUNOFF 15.0 est. (9yr.) INCHES									
	20. LENGTH 1.35 MILES			AV. WIDTH 0.44 MILES			24. MEAN ANNUAL RUNOFF 480 AC.-FT.									
	21. MAX. ELEV. 1280			MIN. ELEV. 860			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.	
	1936 July 27-50		- 14.3		- 14.3		R.Detail		- 5		2.8 2.8		25.4 23.1		42.3 38.5	
	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		b. TOTAL TO DATE			
	July 1950		44.3		-		-		-		-		-			
	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		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
	July 1950		2.33		0.163		0.272		2.33		0.163		0.272			
	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	
July 1950		59.92		355		355		0.64		9.17		-		-		

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

Sediment: Gray to buff silt and clay with some sand and small pebbles.
Small percentage of organic matter, predominantly leaves.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954