

RESERVOIR SEDIMENTATION  
DATA SUMMARY State of Ohio

Pond Lick Lake  
NAME OF RESERVOIR

19-31

DATA SHEET NO.

DAM	1. OWNER Div. of Parks			2. RIVER Pond Lick Run			3. STATE Ohio			
	4. SEC. TWP. Nile RANGE			5. NEAREST TOWN Friendship			6. COUNTY Scioto			
	7. STREAM BED ELEV. 706 est.			8. TOP OF DAM ELEV. 732 est.			9. SPILLWAY CREST ELEV. 725 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					1938				
	b. POWER									
	c. WATER SUPPLY							16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION									
	e. CONSERVATION	725 est.	5.49	48.16	48.16			1938		
	f. INACTIVE									
17. LENGTH OF RESERVOIR 0.20 MILES			AV. WIDTH OF RESERVOIR 0.042 MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 2.54 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 42.2 (25yrs) INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 2.53 SQ. MI.			23. MEAN ANNUAL RUNOFF 15.0 est. (9yrs) INCHES						
	20. LENGTH 2.2 MILES		AV. WIDTH 1.15 MILES		24. MEAN ANNUAL RUNOFF 2032 AC.-FT.					
	21. MAX. ELEV. 1240		MIN. ELEV. 730		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.		
	1938	-	-	-	-	5.5	48	19		
	July 24-50	12.3	12.3	R. Detail	7	4.9	39	15		
	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	a. MEAN ANNUAL	b. TOTAL TO DATE		
	July 1950		44.9	-	-	-	-	-	-	
	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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR		
	July 1950		8.62	0.701	0.277	8.62	0.701	0.277		
	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		58.78	355	355	1.46	17.90	-	-		

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- Light gray to dark brown clayey and sandy silt with some fine sand and small pebbles present. Considerable organic matter near upper reaches of lake.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954