

RESERVOIR SEDIMENTATION
DATA SUMMARY

Schott Pond

NAME OF RESERVOIR

19-28

DATA SHEET NO.

DAM	1. OWNER				2. RIVER Tr. of Big Walnut Cr.		3. STATE Ohio		
	4. SEC. 5 TWP. 2 RANGE 17		5. NEAREST TOWN Westerville		6. COUNTY Franklin				
	7. STREAM BED ELEV. 890		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					1921			
	b. POWER								
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION			1.65	7.3	7.3	1921		
	f. INACTIVE								
17. LENGTH OF RESERVOIR				MILES	AV. WIDTH OF RESERVOIR				MILES
WATERSHED	18. TOTAL DRAINAGE AREA		0.82	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		37.21	INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA		0.82	SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES	
	20. LENGTH	1.00	MILES	AV. WIDTH	.82	MILES	24. MEAN ANNUAL RUNOFF		AG.-FT.
	21. MAX. ELEV.	1.00	MIN. ELEV.	890	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.	
	1921	-	-	-	-	1.65	7.3	9	
	Aug. 1951	30	30	R. Detail	7	1.65	4.8	6	
	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		
	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		
	Aug. 1951	2.47	0.082	0.10	2.47	0.082	0.10		
	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	
Aug. 1951	57.1	124	124	1.12	33.8	-	-		

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
	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	Ohio Division of Water
49. DATE	June 18, 1954