

**RESERVOIR SEDIMENTATION  
DATA SUMMARY**

Schoenbeck Pond

21-31

NAME OF RESERVOIR

DATA SHEET NO.

B-8

DAM	1. OWNER Schoenbeck			2. RIVER			3. STATE Ohio		
	4. SEC. TWP. 4 N RANGE 12W			5. NEAREST TOWN 1 mi. S.W.			6. COUNTY Summit		
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV. Richfield			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		0.52	1.48	1.48	18. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE					1940			
17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR			MILES		
WATERSHED	18. TOTAL DRAINAGE AREA 0.03			SQ. MI.	22. MEAN ANNUAL PRECIPITATION 40.0 (24yr)			INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 0.03			SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES	
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF Apprx. 650 A.F. ACRES		
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION			Humid	
								1/sq. mi.	
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 1/ AC-FT. PER SQ. MI.	
	1940	-	-	-	-	0.52	1.48	49.3	
	April 1951	11	11	Range Detailed	4	0.52	1.29	43.0	
	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		
	April 1951	0.188	0.017	0.567	0.188	0.017	0.567		
	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		
April 1951	60 (assumed)	741	741	1.15	12.7	-	-		

1/ C/I ratio 0.076 in 1940 and 0.066 in 1951. Trap efficiency estimated at 83% in 1940 and 82% in 1951.

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

Erosion in watershed computed from conservation surveys 5,350 tons/sq.mi./y  
 " " " " " sheet erosion tables 3,219 " " "  
 Sediment production adjusted for trap efficiency 893 " " "

48. AGENCY SUPPLYING DATA SCS, Milwaukee, Wis. 49. DATE Dec. 1, 1952