

RESERVOIR SEDIMENTATION
DATA SUMMARY

Tabor Club Lake

21 - 19

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Tabor Farm			2. RIVER ^{Small Branch in} Muskingum Drainage		3. STATE Ohio			
	4. SEC. TWP. RANGE		5. NEAREST TOWN Perrysville			6. COUNTY Carroll			
	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					1923			
	b. POWER								
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION			7.97	53.6	53.6	1923		
	f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR			MILES	17. AV. WIDTH OF RESERVOIR			MILES	
	18. TOTAL DRAINAGE AREA			0.55	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			0.54	SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES
	20. LENGTH		MILES	20. AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF 672 per sq. mi.* AC.-FT.		
	21. MAX. ELEV.		21. MIN. ELEV.		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.	
	1923	-	-	-	-	7.97	53.6	97.5	
	Nov-Dec 1938	15	15	Recon. Grid.	-	7.97	42.4	77.1	
	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		
	Nov-Dec 1938		670 per* sq. mi.			670 per* sq. mi.			
	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		
	Nov-Dec 1938	11.2	0.747	1.38	11.2	0.747	1.38		
	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		
Nov-Dec 1938	50 *	1,500	1,500	1.39	20.9	1,900 *	1,900 *		

* 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
	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
 Dam failed earlier in 1938, but little sediment lost.
 Sanderson, E. E., Sedimentation of Reservoirs in Ohio, Ohio Water Resources Board, Bulletin 17, Columbus, Ohio, April 1948.
 Brune, Gunnar M., Rates of sediment production in Midwestern United States, U.S. Soil Conserv. Serv., SCS-TP-65, 40 pp., illus., processed, Milwaukee, Wis, December 1948.
 Region 3, Soil Conservation Service
 U. S. Dept. of Agriculture
 Milwaukee, Wisconsin

48. AGENCY SUPPLYING DATA

49. DATE Sept. 24, 1950