

RESERVOIR SEDIMENTATION DATA SUMMARY

Stewart Lake

NAME OF RESERVOIR

19-18

DATA SHEET NO.

DAM	1. OWNER <u>State of Ohio</u>		2. RIVER <u>Trib. of Stony Creek</u>		3. STATE <u>Ohio</u>			
	4. SEC. <u>TWP. RANGE</u>		5. NEAREST TOWN <u>Chillicothe</u>		6. COUNTY <u>Ross</u>			
	7. STREAM BED ELEV.		8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV. <u>775</u>			
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					Spring 1939		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	<u>775</u>	<u>6.73</u>	<u>74.4</u>	<u>74.4</u>			
	f. INACTIVE					Spring 1939		
17. LENGTH OF RESERVOIR <u>0.10</u> MILES			AV. WIDTH OF RESERVOIR <u>0.15</u> MILES					
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.31</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <u>39.5</u> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.30</u> SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES			
	20. LENGTH <u>0.35</u> MILES		AV. WIDTH <u>0.88</u> MILES		24. MEAN ANNUAL RUNOFF			
					AG-FT.			
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION <u>Humid</u>			
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.
	1939 Sept. 1951	-	-	-	-	6.7 6.7	74 71	239 229
		12.3	12.3		Range Detailed	7		
	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	
	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	
	Sept. 1951	3.24	0.26	0.87	3.24	0.26	0.87	
	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
Sept. 1951	60*	1137	1137	0.35	4.4	-	-	

*Estimated

Ohio Division of Water

June 18, 1954