

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Maple Grove Lake  
NAME OF RESERVOIR

19-30  
DATA SHEET NO.

DAM	1. OWNER <b>Private</b>			2. RIVER <b>Sams Creek</b>			3. STATE <b>Ohio</b>																																								
	4. SEC. <b>31</b> TWP. <b>18 N</b> RANGE <b>20 W</b>			5. NEAREST TOWN <b>Mt. Gilead</b>			6. COUNTY <b>Morrow</b>																																								
	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																																														
	b. POWER										1932																																				
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN																																				
	d. IRRIGATION																																														
	e. CONSERVATION				7.26		28.08		28.08		1932																																				
	f. INACTIVE																																														
17. LENGTH OF RESERVOIR			0.32			MILES			AV. WIDTH OF RESERVOIR			0.036			MILES																																
WATERSHED	18. TOTAL DRAINAGE AREA				3.05				SQ. MI.				22. MEAN ANNUAL PRECIPITATION				38 (25yrs)				INCHES																										
	19. NET SEDIMENT CONTRIBUTING AREA				3.04				SQ. MI.				23. MEAN ANNUAL RUNOFF				est. 12.5 (24yrs)				INCHES																										
	20. LENGTH				2.8				MILES				AV. WIDTH				1.1				MILES																										
	24. MEAN ANNUAL RUNOFF				2033				AG.-FT.				25. CLIMATIC CLASSIFICATION				humid																														
	21. MAX. ELEV.				1310				MIN. ELEV.				1160				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.		
SURVEY DATA	1932				-				-				-				-				7.3				28.1				9.21																		
	Sept. 22-49				17				17				R. Detail				13				6.8				23.9				7.84																		
	26. DATE OF SURVEY				34. PERIOD ANNUAL PRECIPITATION				35. PERIOD WATER INFLOW ACRE-FEET				36. WATER INFL. TO DATE AG-FT.																																		
					a. MEAN ANNUAL				b. MAX. ANNUAL				c. PERIOD TOTAL				a. MEAN ANNUAL				b. TOTAL TO DATE																										
	Sept. 22-49				37.6				-				-				-				-																										
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																							
Sept. 22-49				4.14				0.24				0.079				4.14				0.24				0.079																							
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. 22-49				83.2				143				143				0.85				14.74				-				-																			

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

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954