

RESERVOIR SEDIMENTATION
DATA SUMMARY

Pike Lake

19-38

NAME OF RESERVOIR

Morgan Fork

DATA SHEET NO.

DAM	1. OWNER State of Ohio-Div. of Parks			2. RIVER Richardson Hollow of			3. STATE Ohio		
	4. SEC. TWP. Benton RANGE			5. NEAREST TOWN Bainbridge			6. COUNTY Pike		
	7. STREAM BED ELEV. 735 est.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 750 est.		
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					1937			
	b. POWER								
	c. WATER SUPPLY							16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION								
	e. CONSERVATION	750 est.	12.3	91.4	91.4	1937			
	f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 0.23 MILES			AV. WIDTH OF RESERVOIR 0.08 MILES					
	18. TOTAL DRAINAGE AREA 3.44 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 40.5 (25yrs.) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 3.42 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH 3.0 MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF AC.-FT.		
	21. MAX. ELEV. 1320		MIN. ELEV. 735 (est.)		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.	
	1937 Aug. 1950	- 13	- 13	- Range Det.	- 12	12 12	*91.4 *86.5	27 25	
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AQ-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. 1950	*4.85	*0.37	*0.11	*4.85	*0.37	*0.11		
	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. 1950	40.2	963	963	-	-	-	-		

*See remarks on opposite side this sheet

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

Reservoir drained and partially dredged for bathing beach March and April 1949. Data on amount of material removed in dredging unreliable. Figures given on opposite side are those actually measured, and the actual amounts of sediment are probably 10 to 25 percent greater.

48. AGENCY SUPPLYING DATA Ohio Division of Water 49. DATE June 18, 1954