

RESERVOIR SEDIMENTATION  
DATA SUMMARY State of Ohio

McBride Lake  
NAME OF RESERVOIR

19-34  
DATA SHEET NO.

DAM	1. OWNER Div. of Parks			2. RIVER Tr. of Pond Run			3. STATE Ohio									
	4. SEC. TWP. RANGE Mile			5. NEAREST TOWN Friendship			6. COUNTY Scioto									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 710 (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										16. DATE NORMAL OPER BEGAN					
	c. WATER SUPPLY															
	d. IRRIGATION															
	e. CONSERVATION		720 (est.)		1.65		12.96		12.96		1937					
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.11 MILES			AV. WIDTH OF RESERVOIR 0.023 MILES												
	18. TOTAL DRAINAGE AREA 0.61 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 42.2 (25yrs) INCHES												
	19. NET SEDIMENT CONTRIBUTING AREA 0.61 SQ. MI.			23. MEAN ANNUAL RUNOFF 15.0 (est.) 9yrs INCHES												
	20. LENGTH 1.15 MILES		AV. WIDTH 0.53 MILES		24. MEAN ANNUAL RUNOFF 488 AC.-FT.											
	21. MAX. ELEV. 1240		MIN. ELEV. 710		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		-		-		-		-		1.6		13		21.3	
	Jul. 25, 1950		13.3		13.3		R. Detail		6		1.6		11		18.0	
SURVEY DATA	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			
	July 1950		44.2		-		-		-		-		-			
SURVEY DATA	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			
	July 1950		1.82		0.137		0.225		1.82		0.137		0.225			
SURVEY DATA	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	
	Jul. 1950		34.01		167		167		1.06		14.04		-		-	

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

Sediment: Largely organic material in upper reaches, little organic matter near dam. Grey to light buff fine silty sand in upper reaches and clayey silt near dam. Some small angular pebbles.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954