

RESERVOIR SEDIMENTATION
DATA SUMMARY

Van Buren Lake

NAME OF RESERVOIR

22-15

DATA SHEET NO.

C.4

DAM	1. OWNER State of Ohio, Div. of Pks. & RIVER Rocky Ford Creek			3. STATE Ohio												
	4. SEC 18 TWP. 2 N RANGE 11 E			5. NEAREST TOWN Findlay												
	7. STREAM BED ELEV.			8. TOP OF DAM 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										Spring 1939					
	b. POWER										16. DATE NORMAL OPER. BEGAN					
	c. WATER SUPPLY										Spring 1939					
	d. IRRIGATION															
	e. CONSERVATION		756.25		52.97		248		248							
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 1.1 MILES						AV. WIDTH OF RESERVOIR 0.075 MILES									
	18. TOTAL DRAINAGE AREA 22.80 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 34.3 (25 yrs) INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 22.72 SQ. MI.				23. MEAN ANNUAL RUNOFF 9.1 (18 yrs) INCHES											
	20. LENGTH 7.5 MILES				AV. WIDTH 3.0 MILES				24. MEAN ANNUAL RUNOFF 11066 AC.-FT.							
	21. MAX. ELEV. 845				MIN. ELEV. 745				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.	
	Spring 1939		-		-		-		-		53		248		11	
	Nov. 8, 1948		9.5		9.5		Range Detail		10		53		205		9	
	Aug. 21, 1951		2.8		12.3				11		53		186		8	
	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		b. TOTAL TO DATE			
	Nov. 8, 1948		34.3		-		-		-		-		-			
	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		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
	Nov. 8, 1948		42.6		4.48		0.20		42.6		4.48		0.20			
Aug. 21, 1951		19.5		6.96		0.31		62.1		5.05		0.22				
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. 8, 1948		53.6		233		233		1.81		17.2		-		-		
Aug. 21, 1951		57.9		391		277		2.04		25.0		-		-		

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: Light gray silty clay and clay. Some sandy particles in upper reaches and near dam. No apparent organic matter.

Ohio Division of Water

48. AGENCY SUPPLYING DATA

49. DATE June 28, 1954