

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Veto Lake

NAME OF RESERVOIR

21-51

DATA SHEET NO.

State of Ohio

DAM	1. OWNER Division of Wildlife			2. STREAM Little Hocking River			3. STATE Ohio						
	4. SEC. 18 TWP. 2N RANGE 10W			5. NEAREST P.O. Belpre			6. COUNTY Washington						
	7. LAT. 39° 20' 42" LONG. 81° 38' 50"			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV. 638						
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL										May 16, 1954		
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN		
	c. POWER										May 1954		
	d. WATER SUPPLY												
	e. IRRIGATION												
	f. CONSERVATION		638		158		1111		1111				
g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR 3.22 1/2 MILES				AV. WIDTH OF RESERVOIR 0.077 MILES								
	18. TOTAL DRAINAGE AREA 20.04 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 39.5 (30 yr) INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 19.79 SQ. MI.				23. MEAN ANNUAL RUNOFF 16.2 (30 yr) INCHES								
	20. LENGTH 1/2 MILES		AV. WIDTH 1/2 MILES		24. MEAN ANNUAL RUNOFF 17,300 AC.-FT.								
	21. MAX. ELEV. 980		MIN. ELEV. 616		25. ANNUAL TEMP.: MEAN 53 RANGE -6 to 94 2/								
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/I. RATIO, AC.-FT. PER AC.-FT.	
	May 1954		--	--	--		--	158		1111		0.0642	
	July 1955		1.2	1.2	D. Range		22	158		1092		0.0631	
	July 1960		5	6.2	D. Range		22	158		1059		0.0612	
	Aug. 1966		6	12.2	D. Range		22	158		1009		0.0583	
	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 1955		52.3										
	July 1960		38.9										
	Aug. 1966		35.8										
26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, 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 1955		18.7	15.6	0.787	18.7	15.6	0.787						
July 1960		33.7	6.74	0.341	52.4	8.45	0.427						
Aug. 1966		49.7	8.28	0.419	102.1	8.37	0.423						
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
July 1955						1.40	1.68						
July 1960						0.76	4.72						
Aug. 1966						0.75	9.19						

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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 1/	Item 17	Item 20		
	Length Reservoir (Miles)	Watershed Length (mi.)	Width (mi.)	Approx. drainage Area (sq.mi.)
Little Hocking River	1.33	6.02	1.43	8.60
Tupper Creek	1.40	5.30	1.71	9.05
Plum Run	0.49	3.52	0.68	2.39
Total	3.22	14.84	1.35	20.04

48. AGENCY MAKING SURVEY Ohio Division of Water
 49. AGENCY SUPPLYING DATA Ohio Division of Water
 50. DATE January 14, 1972