

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-62

Lake Logan

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

21-54

DATA SHEET NO.

State of Ohio

DAM	1. OWNER Div. of Parks & Recreation			2. STREAM Clear Fork			3. STATE Ohio									
	4. SEC. 16 TWP. 14N RANGE 17W			5. NEAREST TOWN Logan			6. COUNTY Hocking									
	7. STREAM BED ELEVATION 735			8. TOP OF DAM ELEVATION 773*			9. SPILLWAY CREST ELEV. 759.24									
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. MULTIPLE USE										Feb. 10, 1955					
	b. FLOOD CONTROL															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										Feb. 1955					
	f. CONSERVATION		759.24		341.5		3,142		3,142							
	g. SEDIMENT															
h. INACTIVE																
17. LENGTH OF RESERVOIR 2.54 MILES				AV. WIDTH OF RESERVOIR 0.21 MILES												
18. TOTAL DRAINAGE AREA 14.70 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 39.0 (30) INCHES												
19. NET SEDIMENT CONTRIBUTING AREA 14.17 SQ. MI.				23. MEAN ANNUAL RUNOFF 13.8 (30) INCHES												
20. LENGTH 6.74 MILES		AV. WIDTH 2.18 MILES		24. MEAN ANNUAL RUNOFF 10,800 AC.-FT.												
21. MAX. ELEV. 1100		MIN. ELEV. 735		25. CLIMATIC CLASSIFICATION Humid												
WATERSHED	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS OF SURVEY		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.	
	Feb. 1955		--		--		D. Range		28		341		3,142		214	
	Aug. 1966		11.8		11.8		D. Range		28		341		3,081		210	
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			
	Aug. 1966		39.1													
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. 1966		60.7		5.14		0.363		60.7		5.14		0.363				
26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PERSQ. MI.-YR.				41. STORAGE LOSS PCT.		42. SED. INFLOW PPM						
				a. PERIOD		b. TOTAL TO DATE		a. AV. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE		
Aug. 1966		--						0.16		1.93						

* estimate

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