

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

Jisco Lake

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

19-50

DATA SHEET NO.

DAM	1. OWNER Jackson Iron & Steel Co.			2. STREAM Trib. Little Salt Cr.			3. STATE Ohio						
	4. SEC. 36 TWP. 7N RANGE 19W			5. NEAREST P. O. Jackson			6. COUNTY Jackson						
	7. LAT. 39° 01' 50" LONG. 82° 40' 19"			8. TOP OF DAM ELEVATION 741			9. SPILLWAY CREST ELEV. 730						
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										1952		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY		730		55		1109		1109		16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION										1952		
	g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR 0.946 MILES				AV. WIDTH OF RESERVOIR 0.095 MILES								
	18. TOTAL DRAINAGE AREA 1.67 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 41.4 (30 yr) INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 1.58 SQ. MI.				23. MEAN ANNUAL RUNOFF 14.5 (30 yr) INCHES								
	20. LENGTH 2.20 MILES		AV. WIDTH 0.759 MILES		24. MEAN ANNUAL RUNOFF 1290 AC.-FT.								
	21. MAX. ELEV. 937		MIN. ELEV. 684		25. ANNUAL TEMP.: MEAN 53 RANGE -9 to 97 1/								
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.				
	1952		--	--	--	--	55	1109	0.860				
	Sept. 1968		16	16	D. Range	19	55	1092	0.846				
	Aug. 1970		2	18	D. Range	19	55	1088	0.843				
	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			
	Sept. 1968		41.4										
	Aug. 1970		35.4										
	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				
Sept. 1968		16.9	1.06	0.67	16.9		1.06	0.67					
Aug. 1970		3.66	1.83	1.16	20.6		1.14	0.72					
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						
Sept. 1968		43.7	638	638	0.095	1.52							
Aug. 1970		50.7	2108	795	0.10	1.86							

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															
<p>A four lane divided highway was built across the middle of the drainage area, 1.1 miles from the dam, starting in September 1968. The highway was finished and a vegetal cover established in the spring of 1970.</p> <p><u>1/</u> Annual extreme temperatures expressed at 50 percent probability levels.</p>															
48. AGENCY MAKING SURVEY				Ohio Division of Water											
49. AGENCY SUPPLYING DATA				Ohio Division of Water				50. DATE				January 14, 1972			