

RESERVOIR SEDIMENTATION
DATA SUMMARY

Goller Pond

22-3

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Merl Goller			2. RIVER			3. STATE Ohio													
	4. SEC. TWP. 5N RANGE 4E			5. NEAREST TOWN 7 NW Defiance			6. COUNTY Defiance													
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST 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										Mar. 1945									
	b. POWER																			
	c. WATER SUPPLY				1.50		9.49		9.49		16. DATE NORMAL OPER. BEGAN									
	d. IRRIGATION																			
	e. CONSERVATION																			
	f. INACTIVE										Mar. 1945									
WATERSHED	17. LENGTH OF RESERVOIR				MILES				AV. WIDTH OF RESERVOIR				MILES							
	18. TOTAL DRAINAGE AREA				0.026				SQ. MI.				22. MEAN ANNUAL PRECIPITATION				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				0.024				SQ. MI.				23. MEAN ANNUAL RUNOFF				INCHES			
	20. LENGTH				MILES				AV. WIDTH				MILES				24. MEAN ANNUAL RUNOFF 480 a. f. sq. mi. approx			
	21. MAX. ELEV.				MIN. ELEV.								25. CLIMATIC CLASSIFICATION							
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.					
	Mar. 1945		-		-		-		-		1.50		9.5		367					
	Jul.-Aug. 1951		6.4		6.4		Range (D)		8		1.50		9.4		362					
	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		e. TOTAL TO DATE							
	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		e. AV. ANNUAL		f. PER SQ. MI.-YEAR							
	Jul. 1951		0.14		0.022		0.92		0.14		0.022		0.92							
	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. 1951		45 est.		902		902		0.23		1.48		-								

1/ C/I ratio 0.76 in 1945 and 0.75 in 1951. Trap efficiency estimated at 97% up to 1951

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

35% L, 65% P.

Total load adjusted for trap efficiency 1,240 tons/sq.mi./yr.

48. AGENCY SUPPLYING DATA Ohio Division of Water 49. DATE June 21, 1954