

RESERVOIR SEDIMENTATION
DATA SUMMARY

Centerville Mills Lake

21-48

NAME OF RESERVOIR

DATA SHEET NO.

Aurora Branch of
Chagrin River

DAM	1. OWNER YMCA			2. RIVER Aurora Branch of Chagrin River			3. STATE Ohio				
	4. SEC. TWP. 6 N RANGE 9 W			5. NEAREST TOWN Aurora			6. COUNTY Geauga				
	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					1855 (est)					
	b. POWER										
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION			12.5	86.3	86.3	1855 (est)				
	f. INACTIVE										
17. LENGTH OF RESERVOIR		.10		MILES		AV. WIDTH OF RESERVOIR		.10		MILES	
WATERSHED	18. TOTAL DRAINAGE AREA		10.4		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 36 (1921-45) INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA		10.38		SQ. MI.		23. MEAN ANNUAL RUNOFF 16 (1921-45) INCHES				
	20. LENGTH		3.25		MILES		AV. WIDTH		2.75		MILES
	24. MEAN ANNUAL RUNOFF		8875		(1921-45)		AC.-FT.				
21. MAX. ELEV.		1281'		MIN. ELEV.		1045'		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. %W RATIO AC.-FT. PER SQ. MI.			
	1855	-	-	-	-	12.5	86.3	8.3			
	1949	94 (est)	94 (est)	Cont. Rec.	-	12.5	38.3	3.7			
	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				
	1949	48	.511	.0493	48	.511	.0493				
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE				
1949	65 (est)	69.6	69.6	.631	59.3						

