

**RESERVOIR SEDIMENTATION
DATA SUMMARY**

East Branch Reservoir
NAME OF RESERVOIR

21-36

DATA SHEET NO.

DAM	1. OWNER City of Akron			2. RIVER East Br. Cuyahoga R.			3. STATE Ohio				
	4. SEC. 12 TWP. 7 N RANGE 7 W			5. NEAREST TOWN Burton			6. COUNTY Geauga				
	7. STREAM BED ELEV. 1110 (est)			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 1132				
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					1939 (Fall)					
	b. POWER										
	c. WATER SUPPLY	1132	416.14	4659	4659	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE					1939(Fall)					
17. LENGTH OF RESERVOIR 2.6 MILES			AV. WIDTH OF RESERVOIR 0.25 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA 17.53 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 35.3(25yr.) INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 16.88 SQ. MI.			23. MEAN ANNUAL RUNOFF 14.7(25yrs.) est. INCHES							
	20. LENGTH 8.0 MILES		AV. WIDTH 2.2 MILES		24. MEAN ANNUAL RUNOFF 13,720 AC.-FT.						
	21. MAX. ELEV. 1360		MIN. ELEV. 1120		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. C _w RATIO AC.-FT. PER SQ. MI.			
	1939	-	-	-	-	416	4659	266			
	June 23, 1949	9.7	9.7	R. Rec.	12	414	4535	259			
	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				
	June 23, 1949	38.5	-	-	-	-	-				
	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				
	June 23, 1949	124.30	12.81	0.759	124.30	12.81	0.759				
	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				
June 23, 1949	40(est.)	661	661	0.27	2.67	-	-				

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

48. AGENCY SUPPLYING DATA ^{Ohio} Division of Water

49. DATE June 18, 1954