

RESERVOIR SEDIMENTATION

Beetree Creek

22-6

DATA SUMMARY Tributary arm of Auglaize River Power Reservoir

DATA SHEET NO.

DAM	1. OWNER			2. RIVER Beetree Creek			3. STATE Ohio								
	4. SEC. TWP. 3N RANGE 4E			5. NEAREST TOWN 4SW 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										1912				
	b. POWER														
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION														
	e. CONSERVATION				19.9		148		148						
	f. INACTIVE										1912				
17. LENGTH OF RESERVOIR					MILES		17. AV. WIDTH OF RESERVOIR					MILES			
WATERSHED	18. TOTAL DRAINAGE AREA				1.94		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA				1.91		SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES		
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				490A.F./sq.mi. AC.-FT.		
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION						approx.		
	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.
1912 Jul-Aug 1951		-		-		-		-		19.9 19.9		148 104		76 54	
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			
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			
Jul. 1951		43.6		1.12		0.59		43.6		1.12		0.59			
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		52.5		675		675		0.76 29.5		-		-			

(1) C/I ration 0.16 in 1912 and 0.11 in 1951. Trap efficiency estimated at 91% in 1912 and 88% in 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

79% L, 13% P, 6% F, 2%W.
 Total load adjusted for trap efficiency 750 tons/Sq.mi./yr.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954