

RESERVOIR SEDIMENTATION
DATA SUMMARY

Auglaize River Power Reservoir
NAME OF RESERVOIR

22-4
DATA SHEET NO.

DAM	1. OWNER Toledo Edison Corp.			2. RIVER Auglaize			3. STATE Ohio			
	4. SEC. 4 TWP. 3N RANGE 4E			5. NEAREST TOWN 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									
	b. POWER	690.5			14 400*	1912				
	c. WATER SUPPLY						16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
17. LENGTH OF RESERVOIR 20 MILES			AV. WIDTH OF RESERVOIR MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 2329 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 35 (25 yrs.) INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 2326 SQ. MI.			23. MEAN ANNUAL RUNOFF 8.34 (31 yrs.) INCHES						
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF 1,243,000 (31 yrs.-FT.					
	21. MAX. ELEV.		MIN. ELEV.		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.		
	1912	-	-	-	-	-	14,400	6.18		
	1951	39	39	Range Rec.	13*	-	11,600	4.98		
	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			
	1951	2800	72	0.31	2800	72	0.31			
	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			
1951	-	-		0.50	19.4	-	-			

25. 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

Capacity and sediment figures include that of several tributary arms, including Beetree, Eagle and Sixmile Creeks. Thirteen ranges taken in main stem.

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

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22-4a

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DAM	1. OWNER <u>Toledo Edison Corp.</u>			2. RIVER <u>Auglaize</u>			3. STATE <u>Ohio</u>			
	4. SEC. <u>4</u> TWP. <u>3N</u> RANGE <u>4E</u>			5. NEAREST TOWN <u>Defiance</u>			6. COUNTY <u>Defiance</u>			
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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									
	b. POWER	<u>690.5</u>			<u>14 400*</u>	<u>1912</u>				
	c. WATER SUPPLY									
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION									
	f. INACTIVE									
17. LENGTH OF RESERVOIR <u>20</u> MILES			AV. WIDTH OF RESERVOIR _____ MILES							
WATERSHED	18. TOTAL DRAINAGE AREA <u>2329</u> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <u>35 (25 yrs.)</u> INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA <u>2326</u> SQ. MI.			23. MEAN ANNUAL RUNOFF <u>8.34 (31 yrs.)</u> INCHES						
	20. LENGTH _____ MILES			AV. WIDTH _____ MILES			24. MEAN ANNUAL RUNOFF <u>1,243,000 (31 yrs.)</u> T.			
	21. MAX. ELEV. _____			MIN. ELEV. _____			25. CLIMATIC CLASSIFICATION <u>Humid</u>			
	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.	
<u>1912</u> <u>1951</u>		<u>-</u> <u>39</u>	<u>-</u> <u>39</u>	<u>-</u> <u>Range Rec.</u>	<u>-</u> <u>13*</u>	<u>-</u> <u>-</u>	<u>14,400</u> <u>11,600</u>	<u>6.18</u> <u>4.98</u>		
SURVEY DATA	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		
	<u>1951</u>		<u>2800</u>	<u>72</u>	<u>0.031</u>	<u>2800</u>	<u>72</u>	<u>0.31</u>		
	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		
	<u>1951</u>		<u>-</u>	<u>-</u>	<u>-</u>	<u>0.50</u>	<u>19.4</u>	<u>-</u>		

* See remarks

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

Capacity and sediment figures include that of several tributary arms, including Beetree, Eagle and Sixmile Creeks. Thirteen ranges taken in main stem.

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