

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Lake White  
NAME OF RESERVOIR

19 - 8  
DATA SHEET NO.

215

DAM	1. OWNER State of Ohio			2. RIVER Pee Pee Cr.			3. STATE Ohio			
	4. SEC. 5 TWP. 5N RANGE 22W			5. NEAREST TOWN Waverly			6. COUNTY Pike			
	7. STREAM BED ELEV. -			8. TOP OF DAM ELEV. -			9. SPILLWAY CREST ELEV. 572.5			
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					Oct. 1935				
	b. POWER									
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION	572.5	337	3,734	3,734	Nov. 1935				
	f. INACTIVE									
17. LENGTH OF RESERVOIR		MILES		AV. WIDTH OF RESERVOIR		MILES				
WATERSHED	18. TOTAL DRAINAGE AREA			37.4	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		39.6	INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			36.9	SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES		
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.	
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION					Humid
	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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.		
Oct. 1935	-	-	-	-	337	3,734	99.8			
Dec. 1947	12.0	12.0	Range detailed	14	337	3,338	89.3			
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		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			
	Dec. 1947	396	33.0	0.894	396	33.0	0.894			
	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			
	Dec. 1947			0.88	10.61					

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

Sanderson, E. E., Sedimentation of Reservoirs in Ohio, Ohio Water Resources Board, Bulletin 17, Columbus, Ohio, April 1948.

Region 3, Soil Conservation Service  
U. S. Dept. of Agriculture  
Milwaukee, Wisconsin

48. AGENCY SUPPLYING DATA

49. DATE September 22, 1949

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Lake White

19-8a

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER State of Ohio			2. RIVER Pee Pee Cr.		3. STATE Ohio					
	4. SEC. 5 TWP. 5N RANGE 22W			5. NEAREST TOWN Waverly		6. COUNTY Pike					
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV. 572.5					
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					
	d. FLOOD CONTROL					Oct. 1935					
	b. POWER					16. DATE NORMAL OPER BEGAN					
	c. WATER SUPPLY					Nov. 1935					
	d. IRRIGATION										
	e. CONSERVATION	572.5	337	3,734	3,734						
	f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR			MILES			
	18. TOTAL DRAINAGE AREA			37.4	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			39.6	INCHES	
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	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF				AC.-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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.			
	Oct. 1935	-	-	-	-	337	3,734	99.8			
	Dec. 1947	12.0	12.0	Range detail	14	337	3,338	89.3			
	Aug. 1951	4	16	R. Detailed	20	337	3,706	99.1			
	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				
Dec. 1947	396		33.0	0.894	396	33.0	0.894				
Aug. 1951	248		64.0	1.73	644	40.3	1.09				
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				
Dec. 1947	-		-	-	0.88	10.61	-	-			
Aug. 1951	68.0		-	-	0.93	14.8	-	-			

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

Sanderson, E. E., Sedimentation of Reservoirs in Ohio, Ohio Water Resources Board, Bulletin 17, Columbus, Ohio, April 1948. 1951 survey included several additional ranges. Results of 1947 and 1951 are not directly comparable.