

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Leesville  
NAME OF RESERVOIR

21 - 10  
DATA SHEET NO.

DAM	1. OWNER <b>Muskingum Conservancy Dist.</b>			2. RIVER <b>McGuire Creek</b>			3. STATE <b>Ohio</b>				
	4. SEC. <b>6</b> TWP. <b>13N</b> RANGE <b>6W</b>			5. NEAREST TOWN <b>Leesville</b>			6. COUNTY <b>Carroll</b>				
	7. STREAM BED ELEV. <b>916</b>			8. TOP OF DAM ELEV. <b>990</b>			9. SPILLWAY CREST ELEV. <b>963</b>				
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>977.5 1/</b>	<b>1,470</b>	<b>17,900</b>	<b>37,400</b>	<b>Aug. 1936</b>					
	b. POWER										
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION	<b>963</b>	<b>1,000</b>	<b>19,500</b>	<b>19,500</b>	<b>Aug. 1936</b>					
	f. INACTIVE										
17. LENGTH OF RESERVOIR		<b>5.1 2/</b>	MILES	AV. WIDTH OF RESERVOIR		MILES					
WATERSHED	18. TOTAL DRAINAGE AREA		<b>48.0</b>	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		<b>39 (19)</b> INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA		<b>45.7</b>	SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES				
	20. LENGTH		MILES	AV. WIDTH	MILES	24. MEAN ANNUAL RUNOFF		<b>672 per sq. mi. * AC-FT.</b>			
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION <b>Humid</b>						
	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.		
Aug. 1936		-	-	-	-	<b>1,470</b>	<b>37,400</b>	<b>779</b>			
Nov. 1939		<b>3.3</b>	<b>3.3</b>	Range recon.	<b>5</b>	<b>1,470</b>	<b>37,390</b>	<b>779</b>			
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		
	Nov. 1939				<b>840 per * sq. mi.</b>			<b>840 per * sq. mi.</b>			
	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			
Nov. 1939		<b>10.17</b>	<b>3.08</b>	<b>0.067</b>	<b>10.17</b>	<b>3.08</b>	<b>0.067</b>				
SURVEY DATA	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	
	Nov. 1939		<b>50 *</b>	<b>73</b>	<b>73</b>	<b>73</b>	<b>0.01</b>	<b>0.03</b>			

1/ At top of gates  
2/ At elevation 963  
\* Estimated

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															
1. Sanderson, E. E., Sedimentation of Reservoirs in Ohio, Ohio Water Resources Board, Columbus, Ohio, April 1948.															
2. Youngquist, C. V., Ohio Stream Flow, Part II, Summary of Stream-flow Records in Ohio, 1898-1944, Bull. 127, Ohio Engr. Exp. Station, Vol XVI, No. 1, Columbus, Ohio, May 1947.															
Region 3, Soil Conservation Service U. S. Dept. of Agriculture Milwaukee, Wisconsin															
48. AGENCY SUPPLYING DATA												49. DATE <u>January 13, 1950</u>			