

RESERVOIR SEDIMENTATION
DATA SUMMARY

Ohio Conservation Pond # 73

19 - 6

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Ohio Div. of Conservation			2. RIVER Blacklick Creek			3. STATE Ohio			
	4. SEC. 35 TWP. 1N RANGE 16W			5. NEAREST TOWN Columbus			6. COUNTY Franklih			
	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					Nov. 1936				
	b. POWER					16. DATE NORMAL OPER. BEGAN				
	c. WATER SUPPLY					Nov. 1936				
	d. IRRIGATION									
	e. CONSERVATION			2.1	4.68	4.68				
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 0.24 MILES			18. AV. WIDTH OF RESERVOIR MILES						
	18. TOTAL DRAINAGE AREA 24 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 36 (51) INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 24 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					
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.		
	Nov. 1936	-	-	-	-	2.1	4.68	0.20		
	June 1939	2.6	2.6	recon.	random borings	2.1	2.53	0.11		
	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			
	June 1939	2.15	0.827	0.035	2.15	0.827	0.035			
	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 1939				17.7	45.9					

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.

Ohio Div. of Conservation Dam #74 located upstream with very low trap efficiency. Total sediment includes 0.19 acre-feet deposited by flood, June 19, 1939.

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

48. AGENCY SUPPLYING DATA

49. DATE January 13, 1950