

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Ohio Conservation Pond # 74  
NAME OF RESERVOIR

19 - 7  
DATA SHEET NO.

DAM	1. OWNER Ohio Div. of Conservation				2. RIVER Blacklick Cr.		3. STATE Ohio		
	4. SEC. 35 TWP. 1N RANGE 16W		5. NEAREST TOWN Columbus		6. COUNTY Franklin				
	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					Jan. 1937			
	b. POWER								
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION			0.5	1.04	1.04	Jan. 1937		
	f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 0.10 MILES				AV. WIDTH OF RESERVOIR MILES				
	18. TOTAL DRAINAGE AREA 23		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 36 (31)		INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA 23		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.	
	Jan. 1937	-	-	-	-	0.5	1.04	.045	
	Nov. 1939	2.8	2.8	Range recon.	6	0.5	0.52	.023	
	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	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	d. TOTAL TO DATE	e. AV. ANNUAL	c. PER SQ. MI.-YEAR		
	Nov. 1939	0.52	0.186	0.008	0.52	0.186	0.008		
	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				17.9	50.0				

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, Columbus, Ohio, April 1948.  Region 3, Soil Conservation Service U. S. Dept. of Agriculture Milwaukee, Wisconsin															
48. AGENCY SUPPLYING DATA											49. DATE <u>January 13, 1950</u>				