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U.S. DEPARTMENT OF AGRICULTURE

RESERVOIR SEDIMENTATION DATA SUMMARY

Ohio Conservation Pond #52
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
21-14
DATA SHEET NO.

DAM

1. OWNER Div. Conservation	2. RIVER Unnamed tributary of Ohio River	3. STATE Ohio
4. SEC. 18 TWP. 2 N RANGE 9 W	5. NEAREST TOWN Marietta	6. COUNTY Washington
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					1928
b. POWER					
c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN
d. IRRIGATION					
e. CONSERVATION		3.5	17.95	17.95	1928
f. INACTIVE					

17. LENGTH OF RESERVOIR ____ MILES | AV. WIDTH OF RESERVOIR ____ MILES

WATERSHED

18. TOTAL DRAINAGE AREA 0.17 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 42.41 (108) INCHES	
19. NET SEDIMENT CONTRIBUTING AREA 0.16 SQ. MI.		23. MEAN ANNUAL RUNOFF ____ INCHES	
20. LENGTH ____ MILES	AV. WIDTH ____ MILES	24. MEAN ANNUAL RUNOFF 767 per sq.mi.* 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.
1928	–	–	–	–	3.5	17.95	106
Nov. 9, 1939	11	11	Range Recon.	6	3.5	15.40	90.6

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. 9, 1939		738 per sq. mi. *			738 per sq. mi. *	

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. 9, 1939	2.55	0.232	1.45	2.55	0.232	1.45

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. 9, 1939	50 *	1,579	1,579	1.29	14.21	1,900*	1,900*

* 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 LENGH 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.

Brune, Gunnar M. Rates of sediment production in midwestern United States. Soil Conserv. Serv., SCS-TP-65, 40 pp., illus., processed, Milwaukee, Wisconsin, December 1948.

48. AGENCY SUPPLYING DATA: Region 3, Soil Conservation Service, U. S. Department of Agriculture, Milwaukee, Wisconsin

49. DATE: September 23, 1949

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