

RESERVOIR SEDIMENTATION
DATA SUMMARY

Allmandinger Pond

NAME OF RESERVOIR

22-9

DATA SHEET NO.

DAM	1. OWNER Richard Allmandinger			2. RIVER		3. STATE Ohio				
	4. SEC. TWP. 3 S RANGE 1 E			5. NEAREST TOWN 5 SW Ohio City		6. COUNTY Van Wert				
	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. 1945				
	b. POWER									
	c. WATER SUPPLY		1.65	5.08	5.08	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					Jan. 1945				
17. LENGTH OF RESERVOIR				MILES	AV. WIDTH OF RESERVOIR				MILES	
WATERSHED	18. TOTAL DRAINAGE AREA			0.038	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			0.035	SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES	
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF 560 A.F./sq.mi.			AC-FT. approx.
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION					
	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 (1)	AC-FT. PER SQ. MI.
Jan. 1945		-	-	-	-	1.65	5.08	134		
July 1951		6.7	6.7	Range (D)	5	1.65	4.71	124		
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		
	July 1951		0.37	0.06	1.71	0.37	0.06	1.71		
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PGT.		42. SED. INFLOW PPM	
			a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE		
	July 1951		53.7	2,001	2,001	1.18	7.28	-	-	

(1) C/I ratio 0.24 in 1945 and 0.22 in 1951. Trap efficiency estimated at 94% up to 1951.

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

L-15%, P-21%, F-64%

Total load adjusted for trap efficiency 1,970 tons/sq.mi./yr.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 23, 1954