

RESERVOIR SEDIMENTATION
DATA SUMMARY

Hillsboro Reservoir
NAME OF RESERVOIR

19-45
DATA SHEET NO.

DAM	1. OWNER City of Hillsboro			2. RIVER Trib. of Clear Creek		3. STATE Ohio			
	4. SEC. Iwp. RANGE Liberty twp.			5. NEAREST TOWN Hillsboro		6. COUNTY Highland			
	7. STREAM BED ELEV. 983			8. TOP OF DAM ELEV. 1024		9. SPILLWAY CREST ELEV. 1019			
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					1946			
	b. POWER								
	c. WATER SUPPLY	1019	24	280	280	16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION		0	0	0	1946			
	f. INACTIVE								
17. LENGTH OF RESERVOIR .33 MILES			AV. WIDTH OF RESERVOIR .11 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA .73 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 44.2 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA .69 SQ. MI.			23. MEAN ANNUAL RUNOFF 14.3 INCHES					
	20. LENGTH 1.29 MILES		AV. WIDTH .54 MILES		24. MEAN ANNUAL RUNOFF 557 AC.-FT.				
	21. MAX. ELEV. 1173		MIN. ELEV. 983		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.	
	1946						279.9	384	
	1955	9	9	Range Detailed		11	24.2	271.4	372
	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			
	1955								
	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	f. PER SQ. MI.-YEAR		
	1955	8.53	.95	1.36	8.53	.95	1.36		
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE		
1955	40 (est)	1190	1190	0.30%	0.34%				

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

**Survey by Soil
 Conservation Service
 August 1955**

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48. AGENCY SUPPLYING DATA **Ohio Division of Water** 49. DATE **Sept. 20, 1961**