

RESERVOIR SEDIMENTATION
DATA SUMMARY

Pine Lake

State of Ohio NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
19-19
DATA SHEET NO.

DAM	1. OWNER Div. of Parks			2. RIVER Tar Hollow Creek			3. STATE Ohio								
	4. SEC. 36 TWP. 10N RANGE 20W			5. NEAREST TOWN Gillespieville			6. COUNTY Ross								
	7. STREAM BED ELEV. 760			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 788								
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										Fall 1938				
	b. POWER														
	c. WATER SUPPLY														
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION		788		13.96		133.7		133.7						
	f. INACTIVE										Fall 1938				
17. LENGTH OF RESERVOIR 0.29 MILES; AV. WIDTH OF RESERVOIR 0.70 MILES															
WATERSHED	18. TOTAL DRAINAGE AREA 2.42 SQ. MI.						22. MEAN ANNUAL PRECIPITATION 40(25yrs.) INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 2.40 SQ. MI.						23. MEAN ANNUAL RUNOFF 14.2 (11 yrs.) INCHES								
	20. LENGTH 2.0 MILES			AV. WIDTH 1.2 MILES			24. MEAN ANNUAL RUNOFF 1833 AC-FT.								
	21. MAX. ELEV. 1180			MIN. ELEV. 770			25. CLIMATIC CLASSIFICATION Humid								
	26. DATE OF SURVEY														
SURVEY DATA	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.		
	Fall 1938		-		-		-		14		134		55		
	Aug. 3, 1950		11.7		11.7		R. Det.*		9		123		51		
	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		e. TOTAL TO DATE		
	Aug. 3, 1950		39.8		-		-		-		-		-		
	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		
	Aug. 3, 1950		11.09		0.950		0.396		11.09		0.950		0.396		
	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	
Aug. 3, 1950		68.95		595		595		0.711		8.29		-		-	

*Range Detailed

26. DATE OF SURVEY

43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION

PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION

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28. DATE OF SURVEY

44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR

PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION

	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
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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

Sediment: Grayish brown to buff silt & clay, with some coarse sand & small pebbles up to 1/2"