

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Burt Lake

NAME OF RESERVOIR

22-13a

DATA SHEET NO.

DAM	1. OWNER <b>Ray Burt</b>				2. RIVER		3. STATE <b>Ohio</b>								
	4. SEC. <b>TWP. 2 N</b>		RANGE <b>4 E</b>		5. NEAREST TOWN <b>W. Oakwood</b>		6. COUNTY <b>Paulding</b>								
	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										16. DATE NORMAL OPER. BEGAN				
	b. POWER														
	c. WATER SUPPLY														
	d. IRRIGATION														
	e. CONSERVATION				10.75		59		59						
	f. INACTIVE										Sept. 1948				
17. LENGTH OF RESERVOIR					MILES		AV. WIDTH OF RESERVOIR					MILES			
WATERSHED	18. TOTAL DRAINAGE AREA				0.76		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA				0.74		SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES		
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				500A. F./sq. mi. 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.
Sept. 1948		-		-		-		-		10.75		59		78	
July 1951		2.8		2.8		Range (D)		15		10.75		57		75	
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		d. MEAN ANNUAL		e. 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		f. PER SQ. MI.-YEAR			
July 1951		2.34		0.84		1.13		2.34		0.84		1.13			
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		c. PERIOD		d. TOT. TO DATE			
July 1951		37.2		924		924		1.42		4.0		-			

(1) C/I ratio 0.16 in 1948 and 0.15 in 1951  
91% in 1948 and 90% in 1951

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

28. 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  
 85% L, 9% P, 3.5% F, 2.5% H.  
 Total load adjusted for trap efficiency 980 tons/sq.mi./yr.

48. AGENCY SUPPLYING DATA      Ohio Division of Water      49. DATE      June 21, 1954