

RESERVOIR SEDIMENTATION  
DATA SUMMARY State of Ohio

Adams Lake  
NAME OF RESERVOIR

19-36  
DATA SHEET NO.

DAM	1. OWNER Division of Parks			2. RIVER Lick Creek			3. STATE Ohio								
	4. SEC. TWP. Tiffin RANGE			5. NEAREST TOWN West Union			6. COUNTY Adams								
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 760								
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										early 1947				
	b. POWER														
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION														
	e. CONSERVATION		760		38.54		317.5		317.5		early 1947				
	f. INACTIVE														
17. LENGTH OF RESERVOIR 0.9 MILES										AV. WIDTH OF RESERVOIR 0.067 MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 4.45 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 43 (25yrs.) INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA 4.39 SQ. MI.				23. MEAN ANNUAL RUNOFF 15.4 (18yrs.) INCHES										
	20. LENGTH 3.0 MILES		AV. WIDTH 1.5 MILES		24. MEAN ANNUAL RUNOFF 3655 AG.-FT.										
	21. MAX. ELEV. 1020				MIN. ELEV. 740				25. CLIMATIC CLASSIFICATION Humid						
	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.
early 1947		-		-		-		-		39		318		71	
July 14, 1950		3.5		3.5		R. Detail		22		38		304		68	
SURVEY DATA	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET					36. WATER INFL. TO DATE AG.-FT.					
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE		
	July 14, 1950		44.2		-		-		-		-		-		
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			
Jul. 14, 1950		13.75		3.93		0.895		13.75		3.93		0.895			
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			
Jul. 14, 1950		53.24		1038		1038		1.24		4.33		-		-	

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

Sediment - Gray to buff clayey silt with fine sand in upper portion of lake. Lighter gray to yellow silty clay at lower parts of lake. Small amounts of organic material present.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-62

Adams Lake

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

19-36a

DATA SHEET NO.

State of Ohio

DATA	1. OWNER <b>Div. of Pks. &amp; Recreation</b>		2. STREAM <b>Lick Creek</b>		3. STATE <b>Ohio</b>	
	4. SEC. <b>Twp. Tiffin</b> RANGE		5. NEAREST TOWN <b>West Union</b>		6. COUNTY <b>Adams</b>	
	7. STREAM BED ELEVATION <b>740</b>		8. TOP OF DAM ELEVATION <b>765</b>		9. SPILLWAY CREST ELEV. <b>760</b>	
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF FOUL		12. ORIGINAL SURFACE AREA ACRES	
	13. ORIGINAL CAPACITY ACRE-FEET		14. GROSS STORAGE ACRE-FEET		15. DATE STORAGE BEGAN	
	a. MULTIPLE USE				early 1947	
	b. FLOOD CONTROL					
	c. POWER					
	d. WATER SUPPLY				16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION				early 1947	
	f. CONSERVATION		<b>760</b>		<b>38.54</b>	
g. SEDIMENT				<b>317.5</b>		
h. INACTIVE				<b>317.5</b>		
WATERSHED	17. LENGTH OF RESERVOIR <b>0.9</b> MILES		AV. WIDTH OF RESERVOIR <b>0.067</b> MILES			
	18. TOTAL DRAINAGE AREA <b>4.45</b> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>42.5 (30)</b> INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA <b>4.39</b> SQ. MI.		23. MEAN ANNUAL RUNOFF <b>15.4 (30)</b> INCHES			
	20. LENGTH <b>3.0</b> MILES		AV. WIDTH <b>1.5</b> MILES		24. MEAN ANNUAL RUNOFF <b>3655</b> AC.-FT.	
	21. MAX. ELEV. <b>1020</b>		MIN. ELEV. <b>740</b>		25. CLIMATIC CLASSIFICATION <b>Humid</b>	
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.			
	early 1947				39	
	July 14, 1950		3.5		38.5	
	Aug. 1960		10.0		38.8	
			3.5		22	
			D. Range		17	
			13.5		318	
			D. Range		304	
				277		
				71		
				68		
				62		
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE-FEET		
36. WATER INFLO. TO DATE AC.-FT.		a. MEAN ANNUAL		b. MAX. ANNUAL		
c. PERIOD TOTAL		d. MEAN ANNUAL		e. TOTAL TO DATE		
July 14, 1950		44.2				
Aug. 1960		40.6				
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 14, 1950		13.8		3.93		
Aug. 1960		27.4		2.74		
				0.895		
				13.8		
				3.93		
				0.895		
				13.8		
				3.93		
				0.895		
26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI. YR.		
a. PERIOD		b. TOTAL TO DATE		c. AV. AN.		
d. TOT. TO DATE		e. AV. AN.		f. TOT. TO DATE		
July 14, 1950		53.24		1038		
Aug. 1960		-		1038		
				1.24		
				4.33		
				0.96		
				13.0		

c/1  
08  
082  
074

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

29. 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

Sediment - Gray to buff clayey silt with fine sand in upper portion of lake. Lighter gray to yellow silty clay at lower parts of lake. Small amounts of organic material present.