

RESERVOIR SEDIMENT DATA SUMMARY

Lake Salinda  
NAME OF RESERVOIR

17-25  
DATA SHEET NO.

DAM	1. OWNER <u>Town of Salem, Ind.</u>		2. STREAM <u>Hoggatt Br. (Blue R.)</u>		3. STATE <u>Indiana</u>			
	4. SEC. <u>28, 29</u> TWP. <u>2 North</u> RANGE <u>4 East</u>		5. NEAREST P.O. <u>Salem, Ind.</u>		6. COUNTY <u>Washington</u>			
	7. LAT. <u>32° 33' 38" N</u>		8. TOP OF DAM ELEVATION <u>730</u>		9. SPILLWAY CREST ELEV. <u>720.5</u>			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL					January 1949		
	b. MULTIPLE USE							
	c. POWER					16. DATE NORMAL OPER. BEGAN		
	d. WATER SUPPLY	<u>720.5</u>	<u>112 1/</u>	<u>1015.2</u>	<u>1015.2</u>			
	e. IRRIGATION					May 1949		
	f. CONSERVATION							
	g. INACTIVE							
17. LENGTH OF RESERVOIR <u>1.37</u>		MILES		AV. WIDTH OF RESERVOIR <u>0.128</u>		MILES		
WATERSHED	18. TOTAL DRAINAGE AREA <u>5.7</u>		SQ. MI.		22. MEAN ANNUAL PRECIPITATION <u>44 (40)</u>		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA <u>5.525</u>		SQ. MI.		23. MEAN ANNUAL RUNOFF <u>16*</u>		INCHES	
	20. LENGTH <u>3</u>		MILES		AV. WIDTH <u>1.9</u>		MILES	
	21. MAX. ELEV. <u>894</u>		MIN. ELEV. <u>691</u>		24. MEAN ANNUAL RUNOFF <u>4864</u>		AC.-FT.	
	25. ANNUAL TEMP.: MEAN				RANGE			
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/I. RATIO, AC.-FT. PER AC.-FT.
	<u>1-15-49</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>112</u>	<u>1015.2</u>	<u>.209</u>
	<u>4-23-71</u>	<u>22.2</u>	<u>22.2</u>	<u>Range (D)</u>	<u>18</u>	<u>108</u>	<u>890.6</u>	<u>.183</u>
	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	
	-----No Data-----							
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, 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	
	<u>4-23-71</u>	<u>124.6 2/</u>	<u>5.61</u>	<u>1.02</u>	<u>124.6 2/</u>	<u>5.61</u>	<u>1.02</u>	
	26. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PERSQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM	
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
<u>4-23-71</u>	<u>57.8 (5)</u>	<u>1279</u>	<u>1279</u>	<u>0.55</u>	<u>12.27</u>			

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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														
4-23-71	6.1	11.7	11.2	9.3	9.9	13.9	6.7	17.2	8.0	6.0					

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

1/ Wier of control spillway raised in 1965 from 719 to 720.5. A small volume of sediment was removed from one upper arm, but this was considered inconsequential. Reportedly 40 tons removed.

2/ Does not include 0.1 acre feet of above crest deposits. Low volume attributed to steep gradient of lake arm tributaries.

48. AGENCY MAKING SURVEY                      Soil Conservation Service

49. AGENCY SUPPLYING DATA                      50. DATE      June 18, 1971