

**RESERVOIR SEDIMENTATION  
 DATA SUMMARY**

Huscher  
 NAME OF RESERVOIR

31-40  
 DATA SHEET NO.

<b>DAM</b>	1. OWNER Leonard Huscher			2. RIVER Trib. of Brush Creek		3. STATE Missouri		
	4. LONG. Sec. 30 LAT. T-50N RANGE 26W			5. NEAREST TOWN Higginsville		6. COUNTY Lafayette		
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV. 97.1*		
<b>RESERVOIR</b>	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	100.6	4.16	11.81	32.26	Oct. 1950		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION	97.1	2.58	20.45	20.45			
	f. INACTIVE							
17. LENGTH OF RESERVOIR 0.194 (0.106) MILES			AV. WIDTH OF RESERVOIR 177 (200) FEET					
<b>WATERSHED</b>	18. TOTAL DRAINAGE AREA 0.334 SQ. MI.			22. MEAN ANNUAL PRECIPITATION INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.181 <sup>1/2</sup> SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES				
	20. LENGTH 0.781 MILES		AV. WIDTH 0.427 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.			
	21. MAX. ELEV. 164		MIN. ELEV. 79.8		25. CLIMATIC CLASSIFICATION			
<b>SURVEY DATA</b>	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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.
	Oct. 1950	Orig.	--	--	--	4.16(2.58)	32.26(20.45)	178.2
	Aug. 1964	13.8	13.8	Range D	2' C. I.	4.09(2.44)	25.55(14.09)	141.2
	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	
	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	
	Aug. 1964	6.71(6.36)	0.486	2.686	6.71(6.36)	0.486	2.686	
	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	
Aug. 1964	58.74 (25)	3436	3436	1.50 (2.25)	20.8 (31.1)			

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
85.4	0.00	0.00	100	3.71	23.21			
86	0.12	0.04	102	5.04	31.94			
88	0.62	0.78						
90	1.00	2.40						
92	1.37	4.77						
94	1.72	7.86						
96	2.08	11.66						
98	2.97	16.53						

47. REMARKS AND REFERENCES

1/ Excludes conservation pool area and terraced area of watershed.

\* Elevations are assumed.

Figures in parentheses refer to reservoir at principal spillway elevation; all others refer to reservoir at emergency spillway elevation.