

RESERVOIR SEDIMENTATION
DATA SUMMARY

Shepard Mountain

NAME OF RESERVOIR

16-3

DATA SHEET NO.

DAM	1. OWNER William Schroeder			2. RIVER Trib. of Stouts Cr.		3. STATE Missouri		
	4. SEC. 1 TWP. 33N RANGE 3E			5. NEAREST TOWN Ironton		6. COUNTY Iron		
	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					Summer 1929		
	b. POWER					16. DATE NORMAL OPER. BEGAN		
	c. WATER SUPPLY					Summer 1929		
	d. IRRIGATION							
	e. CONSERVATION			20.26	171	171		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.5 (approx.) MILES			AV. WIDTH OF RESERVOIR MILES				
	18. TOTAL DRAINAGE AREA 3.99 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 44 (40) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 3.96 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF AC.-FT.			
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Humid			
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.
	1929	-	-	-	-	20.26	171	42.9
	July 12, 1939	10.0	10.0	Range Detailed	9	20.26	158	39.5
	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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR	
	July 12, 1939	13.4	1.34	0.338	13.4	1.34	0.338	
	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	
July 12, 1939	64 (2)	471	471	0.78	7.83			

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
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														
Three six-inch pipes at various levels														
<p style="text-align: center;">Region 3, Soil Conservation Service U. S. Dept. of Agriculture</p>														
48. AGENCY SUPPLYING DATA Milwaukee, Wisconsin										49. DATE January 13, 1950				