U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

RESERVOIR SEDIMENTATION DATA SUMMARY

Grisham — NAME OF RESERVOIR

16-1 — DATA SHEET NO.

DAM

1. OWNER J. F. Grisham	2. RIVER Lost Creek	3. STATE Missouri
4. SEC. 5 TWP. 35N RANGE 3E	5. NEAREST TOWN Bismark	6. COUNTY Washington
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					October 1930
b. POWER					
c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN
d. IRRIGATION					
e. CONSERVATION		3.52	24.05	24.05	October 1930
f. INACTIVE					

17. LENGTH OF RESERVOIR 0.23 MILES — AV. WIDTH OF RESERVOIR MILES

WATERSHED

18. TOTAL DRAINAGE AREA 0.46 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 43 (23)	INCHES
19. NET SEDIMENT CONTRIBUTING AREA 0.45 SQ. MI.		23. MEAN ANNUAL RUNOFF	INCHES
20. LENGTH MILES	AV. WIDTH MILES	24. MEAN ANNUAL RUNOFF 678/sq. mi.*	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.
October 1930	-	-	-	-	3.52	24.05	52.3
July 25, 1939	8.8	8.8	Range Detailed	5	3.22	19.56	42.5

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
July 25,1939		618 per sq. mi.*			618 per sq. mi.*	

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
July 25,1939	4.49 (4.63) 1/	0.510 (0.526) 1/	1.133 (1.169) 1/	4.49 (4.63) 1/	0.510 (0.526) 1/	1.133 (1.169) 1/

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 25,1939	75.4 (3)	1,860 (1,930)	1,860 (1,930)	2.12	18.7	2,800*	2,800*

* Assumed

1/ Above-crest deposits within original flow line of reservoir

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 LENGH 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

1. Brune, G. M. Rates of sediment production in Midwestern United States, SCS-TP-65, Soil Conserv. Serv., Milwaukee, Wisconsin, Dec. 1948.

48. AGENCY SUPPLYING DATA Region 3, Soil Conservation Service
U. S. Dept. of Agriculture
Milwaukee, Wisconsin

49. DATE January 13, 1950

(GR-SCS-BELTSVILLE, MD. 2403 JUNE 1952