

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Pineview (Upper)

NAME OF RESERVOIR

16 - 11

DATA SHEET NO.

017

DAM		1. OWNER Zimmer Bros.		2. RIVER S. Fork Jonaca Cr.		3. STATE Missouri		
DAM		4. SEC. 18 TWP. 36N RANGE 7E		5. NEAREST TOWN Farmington		6. COUNTY St. Genevieve		
DAM		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					1928		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION		3.0	8.2	8.2	1928		
	f. INACTIVE							
17. LENGTH OF RESERVOIR				MILES	17. AV. WIDTH OF RESERVOIR			
18. TOTAL DRAINAGE AREA		0.49		SQ. MI.	22. MEAN ANNUAL PRECIPITATION		43 (23) INCHES	
19. NET SEDIMENT CONTRIBUTING AREA		0.48		SQ. MI.	23. MEAN ANNUAL RUNOFF			
20. LENGTH		MILES		AV. WIDTH	24. MEAN ANNUAL RUNOFF 678 per 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.
	1928	-	-	-	-	3.0	8.2	16.7
	1938 1/	10	10	Recon.	-	3.0	5.4	11.0
SURVEY DATA	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	
	1938		583 per * sq. mi.			583 per * sq. mi.		
SURVEY DATA	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	
	1938	2.8	0.28	0.583	2.8	0.28	0.583	
SURVEY DATA	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
	1938	65 *	825	825	3.41	34.15	1,900*	1,900*

1/ Dam failed in Spring 1938, survey conducted on 7/24/39.

\* Estimated

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															
<p>Brune, G. M. Rates of sediment production in Midwestern United States, U.S. Soil Conserv. Serv., SCS-TP-65, 40 pp., illus., processed. Milwaukee, Wis., December 1948.</p> <p style="text-align: center;">Region 3, Soil Conservation Service U. S. Dept. of Agriculture Milwaukee, Wisconsin</p>															
48. AGENCY SUPPLYING DATA										49. DATE <u>January 13, 1950</u>					