

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

DA-1 - Fishbaugher
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

27-6a

DATA SHEET NO.

DAM	1. OWNER West Fillmore SCD			2. STREAM Trib. D.E. Willow Cr.			3. STATE Minnesota						
	4. SEC. 12 TWP. 101N RANGE 11W			5. NEAREST TOWN Preston			6. COUNTY Fillmore						
	7. STREAM BED ELEVATION 1188.01			8. TOP OF DAM ELEVATION 1218.51			9. SPILLWAY CREST ELEV. 1215.21						
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. MULTIPLE USE										Nov. 1956		
	b. FLOOD CONTROL		1215.21		13.7		135.3		168.7				
	c. POWER												
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION												
	g. SEDIMENT		1200.01		5.0		33.4		33.4		Nov. 1956		
h. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR .39 MILES				AV. WIDTH OF RESERVOIR .06 MILES								
	18. TOTAL DRAINAGE AREA 1.31 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 26.2 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 1.29 SQ. MI.				23. MEAN ANNUAL RUNOFF 5.1 INCHES								
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF 356. 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.				
	Nov. 1956		0	0	--	--	13.7	168.7	129				
	3/10/60		3.4	3.4	(D)	8	13.7	166.5	127				
	4/24/64		4.1	7.5	(D)	8	13.7	164.1	125				
	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			
3/1/60		2.25	.66	.51	2.25		.66		.51				
4/24/64		2.31	.56	.43	4.56		.61		.47				
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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE						
3/1/60		70 1/2	778	778	.39	1.33							
4/24/64		70 1/2	656	717	.36	2.71							

1/ 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

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

A sinkhole developed in bottom of reservoir; Unknown quantity of sediment lost.

48. AGENCY MAKING SURVEY SCS
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE July 1965