

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Ettrick Mill Pond

NAME OF RESERVOIR

27 - 2

DATA SHEET NO.

DAM	1. OWNER J. O. Melby			2. RIVER N. Br. Beaver Creek			3. STATE Wisconsin			
	4. SEC. 31 TWP. 20N RANGE 7W			5. NEAREST TOWN Ettrick			6. COUNTY Trempealeau			
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 766.60			
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					1871				
	b. POWER	766.60	32.1	127	127					
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION					1871				
	e. CONSERVATION									
	f. INACTIVE									
17. LENGTH OF RESERVOIR				MILES	AV. WIDTH OF RESERVOIR				MILES	
WATERSHED	18. TOTAL DRAINAGE AREA			50.75	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			31 (49)	INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			50.70	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
	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.		
1871	-	-	-	-	32.1	127	2.50			
June 1939	68	68	Range detailed	9	28.0	46	0.91			
SURVEY DATA	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG-FT.		
					a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE	
	June 1939		31							
	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		
	June 1939		81	1.19	0.023	81	1.19	0.023		
			(85.5) 1/	(1.26)	(0.025)	(85.5)	(1.26)	(0.025)		
	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		
	June 1939		80 *	40	40	0.94	63.8			
			(44)	(44)						

1/ Above-crest deposits within original flow line

\* Assumed

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

Partially rebuilt in 1912, 1913, 1918.

Region 3, Soil Conservation Service  
U. S. Dept. of Agriculture  
Milwaukee, Wisconsin

48. AGENCY SUPPLYING DATA

49. DATE January 10, 1950