

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Tecumseh Mill Pond

NAME OF RESERVOIR

22-27

DATA SHEET NO.

DAM	1. OWNER City of Tecumseh			2. STREAM Evans Creek			3. STATE Michigan							
	4. SEC 27 & 34 WP. 5 S RANGE 4 E			5. NEAREST P.O. Tecumseh			6. COUNTY Lenawee							
	7. LAT. " " " " " " " "			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV. 760							
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. FLOOD CONTROL										Prior to 1869*			
	b. MULTIPLE USE				25.6		227.8		227.8		(Say 1827)			
	c. POWER				*Dam raised in 1927 and is over 100 years old									
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION										Prior to 1869*			
	f. CONSERVATION										(Say 1827)			
	g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR 0.33 MILES				AV. WIDTH OF RESERVOIR 0.16 MILES									
	18. TOTAL DRAINAGE AREA 31.6 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA 26.3 SQ. MI.				23. MEAN ANNUAL RUNOFF 9 INCHES									
	20. LENGTH 12 MILES		AV. WIDTH 2.6 MILES		24. MEAN ANNUAL RUNOFF 15,167 AC.-FT.									
	21. MAX. ELEV. 1020		MIN. ELEV. 750		25. ANNUAL TEMP: MEAN RANGE									
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/I. RATIO, AC.-FT. PER AC.-FT.		
	1827		0							Original 227.8		.01501		
	April 28, 1969		142		Mod Range		5			Present 94.7		.0062		
	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 CAPACITY LOSS, 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	
	April 28, 1969		133.1		.937		.0356		133.1		.937		.0356	
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE					
April 28, 1969		59		45		45	0.41	58.4						

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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

Survey made on foot. Dam washed out in 1968.  
 Geology: Drainage area in moraine, ground moraine and outwash.  
 Soils: Approx. 70% poorly drained loams and sandy loams, 0 to 3% slopes  
 and 30% well drained sands and loamy sands, 3 to 12% or greater slopes.  
 Sediment: Silt and clay

48. AGENCY MAKING SURVEY Michigan RB & WPS, SCS  
 49. AGENCY SUPPLYING DATA Soil Conservation Service  
 50. DATE April 29, 1969