

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-66

Manchester Mill Pond

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

22-23

DATA SHEET NO.

DAM	1. OWNER City of Manchester			2. STREAM Raisin River			3. STATE Michigan					
	4. SEC. 2 TWP. 4S RANGE 3E			5. NEAREST P.O. Manchester			6. COUNTY Washtenaw					
	7. LAT. " " " " " " " "			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV.					
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										1906	
	b. MULTIPLE USE											
	c. POWER				2.7		21.33		21.33			
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.35 MILES				AV. WIDTH OF RESERVOIR .05 MILES							
	18. TOTAL DRAINAGE AREA 17.0 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 17.0 SQ. MI.				23. MEAN ANNUAL RUNOFF 9.0 INCHES							
	20. LENGTH 6.0 MILES		AV. WIDTH 3.0 MILES		24. MEAN ANNUAL RUNOFF 8159 AC.-FT.							
	21. MAX. ELEV. 1040		MIN. ELEV. 880		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.
	5-26-69		63				9	2.7		Original 21.33		.0026
										Present 10.9		.0013
	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				
	5-26-69		10.43	0.17	0.01	10.43	0.17	.01				
	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			
5-26-69		38.0		8	8	0.78	0.49					

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

Geology: Moraine, Ground Moraine and Outwash
 Soils: Loamy sands and sands. Well drained in the uplands, poorly drained in the lowlands. Some organic soils.
 Sediment: Silt + clay + organic.

48. AGENCY MAKING SURVEY Michigan RB & WPP, SCS
 49. AGENCY SUPPLYING DATA Michigan RB & WPP, SCS
 50. DATE May 27, 1969