

RESERVOIR SEDIMENT  
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Red Mill Pond

NAME OF RESERVOIR

22-31

DATA SHEET NO.

SCS-34 Rev. 6-66

DAM	1. OWNER		2. STREAM Upper Raisin		3. STATE Michigan		
	4. SEC. 34 TWP. 5S RANGE 4E		5. NEAREST P.O. Tecumseh		6. COUNTY Lenawee		
	7. LAT. " LONG.		8. TOP OF DAM ELEVATION		9. SPILLWAY CREST ELEV. 775		
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					Middle of Nineteenth Century	
	b. MULTIPLE USE						
	c. POWER	Dam has been raised 2 times					16. DATE NORMAL OPER. BEGAN
	d. WATER SUPPLY	and is over 100 years old.					
	e. IRRIGATION						
	f. CONSERVATION						Middle of Nineteenth Century
	g. INACTIVE						
17. LENGTH OF RESERVOIR 1.1 MILES			AV. WIDTH OF RESERVOIR .2 MILES				
WATERSHED	18. TOTAL DRAINAGE AREA 172.9 SQ. MI.			22. MEAN ANNUAL PRECIPITATION INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 25.9 SQ. MI.			23. MEAN ANNUAL RUNOFF 9 INCHES			
	20. LENGTH 6 MILES		AV. WIDTH 4 MILES		24. MEAN ANNUAL RUNOFF 82,987 AC.-FT.		
	21. MAX. ELEV. 763		MIN. ELEV. 1,000 ±		25. ANNUAL TEMP: MEAN RANGE		
	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
Aug. 26, 1969	100+	100+	Mod Range	6	114.8	Original 677 Present 336	
						.0081 .0040	
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
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	
Aug. 26, 1969	341	3.41	.13	341	3.41	.13	
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
Aug. 26, 1969	41.9	118	118	0.50	50.4		

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

Geology: Drainage area in moraine, ground moraine, and outwash.

Soils: 30% Somewhat poorly and poorly drained loams and sand loams; 0.3% slopes; 40% well drained sands and loamy sands; 3-12% slopes; 30% well drained loams and sandy loams 3-12%.slopes.

48. AGENCY MAKING SURVEY Michigan RB & WPP, SCS

49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE August 27, 1969