

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Sharon Hollow

NAME OF RESERVOIR

22 -17

DATA SHEET NO.

SCS-34 Rev. 6-66

DAM	1. OWNER Private			2. STREAM River Raisin		3. STATE Michigan		
	4. SEC. 29 TWP. 3S RANGE 2E		5. NEAREST P. O. Manchester		6. COUNTY Washtenaw			
	7. LAT. ° ' " LONG ° ' "			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					1927		
	b. MULTIPLE USE		47.8	258.1	258.1			
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.75 MILES			AV. WIDTH OF RESERVOIR 0.1 MILES				
	18. TOTAL DRAINAGE AREA 34.7 SQ. MI.			22. MEAN ANNUAL PRECIPITATION INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 25.0 SQ. MI.			23. MEAN ANNUAL RUNOFF 9.0 INCHES				
	20. LENGTH 5 MILES		AV. WIDTH 9.0 MILES		24. MEAN ANNUAL RUNOFF 16655 AC.-F.T.			
	21. MAX. ELEV. 1100.0		MIN. ELEV. 915.0		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.
	May 6, 1969	42		Mod Range	7	47.8	Original 258.1 Present 143.9	.016 .009
	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	
	May 6, 1969	114.2	2.7	0.11	114.2	2.7	0.11	
	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	
	May 6, 1969	30.1	72	72	1.05	44.2		

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: Predominantly sands and loamy sands with 3 to 12% slopes or greater and some organic and associated types

Sediment: Silt and clay

48. AGENCY MAKING SURVEY Michigan RB & WPP - SCS

49. AGENCY SUPPLYING DATA SCS

50. DATE May 8, 1969