

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Ford Lake
NAME OF RESERVOIR

22-29

DATA SHEET NO.

DAM	1. OWNER <u>Ford Motor Co.</u>			2. STREAM <u>Huron River</u>			3. STATE <u>Michigan</u>					
	4. SEQ. <u>6,22,25</u> TWP. <u>3S</u> RANGE <u>7 E</u>			5. NEAREST P.O. <u>Ypsilanti</u>			6. COUNTY <u>Washtenaw</u>					
	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										1933	
	b. MULTIPLE USE											
	c. POWER				969		17,926		17,926			
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										1933	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR <u>3.5</u> MILES				AV. WIDTH OF RESERVOIR <u>0.3</u> MILES							
	18. TOTAL DRAINAGE AREA <u>790</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION _____ INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>11.2</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>9</u> INCHES							
	20. LENGTH <u>6</u> MILES		AV. WIDTH <u>2</u> MILES		24. MEAN ANNUAL RUNOFF <u>379,176</u> AC.-FT.							
	21. MAX. ELEV.		MIN. ELEV.		25. ANNUAL TEMP: MEAN <u>Mod.</u> RANGE <u>Continental</u>							
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.	
	July 22 thru 24, 1969		36		Range Detailed		17	969	Original 17,926 Present 16,085		.0472 .0424	
	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	
	July 22 thru 24, 1969		1,841	51.1	4.56		1,841		51.1		4.56	
	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			
July 22 thru 24, 1969		81	8,045		8,045	.285	10.26					

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: Sand and clay lake beds -delta, moraine and ground moraine

Soils: Poorly drained sandy and organic soils.

Sediment: Silt, clay, fine sand and organic material.

48. AGENCY MAKING SURVEY Michigan RB & WPP, SCS

49. AGENCY SUPPLYING DATA Michigan RB & WPP, SCS

50. DATE July 25, 1969