

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-66

H. N. Fry Pond
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

22-32

DATA SHEET NO.

DAM	1. OWNER <u>H. N. Fry</u>			2. STREAM <u>Squaw Creek</u>			3. STATE <u>Michigan</u>									
	4. SEC. <u>3</u> TWP. <u>6S</u> RANGE <u>2E</u>			5. NEAREST P.O. <u>Onsted</u>			6. COUNTY <u>Lenawee</u>									
	7. LAT. " " " " " " " " " "			8. TOP OF DAM ELEVATION <u>934</u>			9. SPILLWAY CREST ELEV. <u>931</u>									
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										Early 1962					
	b. MULTIPLE USE		<u>931</u>		<u>15.36</u>		<u>121.3</u>		<u>121.3</u>							
	c. POWER										16. DATE NORMAL OPER. BEGAN					
	d. WATER SUPPLY										Early 1962					
	e. IRRIGATION															
	f. CONSERVATION															
g. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR <u>0.4</u> MILES				AV. WIDTH OF RESERVOIR <u>.06</u> MILES											
	18. TOTAL DRAINAGE AREA <u>12.45</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>32</u> INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA <u>12.45</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>9</u> INCHES											
	20. LENGTH <u>4</u> MILES		AV. WIDTH <u>4</u> MILES		24. MEAN ANNUAL RUNOFF <u>5,976</u> AC.-F.T.											
	21. MAX. ELEV. <u>1,110</u>				MIN. ELEV. <u>917</u>				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.	
	<u>Aug. 28, 1969</u>		<u>7</u>				<u>Mod. Range</u>		<u>6</u>		<u>15.36</u>		Original <u>121.3</u> Present <u>116.0</u>		<u>.020</u> <u>.019</u>	
	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			
	<u>Aug. 28, 1969</u>		<u>5.3</u>		<u>0.76</u>		<u>0.06</u>		<u>5.3</u>		<u>0.76</u>		<u>0.06</u>			
	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	
<u>Aug. 28, 1969</u>		Representative samples were not taken						<u>0.6</u>		<u>4.4</u>						

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 moraines and ground moraines.

Soils: 50% poorly drained loams and sandy loams, 0-3% slopes.
 50% well drained sands and loamy sands, greater than 12% slopes.

48. AGENCY MAKING SURVEY Michigan RB & WPP, SCS
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE September 2, 1969