

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Franklin Mill Pond

NAME OF RESERVOIR

22-25

DATA SHEET NO.

Franklin Branch

DAM	1. OWNER			2. STREAM Rouge			3. STATE Michigan							
	4. SEC. 31 TWP. 2N RANGE 10E			5. NEAREST P. O. Franklin			6. COUNTY Oakland							
	7. LAT. " " " " " " " "			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV.							
RESERVOIR	10. STORAGE Mill Pond		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				14.6		97.8		97.8		1833 and 1933*			
	b. MULTIPLE USE										16. DATE NOR- MAL OPER. BEGAN			
	c. POWER													
	d. WATER SUPPLY				*Pool raised 4 feet in		1933							
	e. IRRIGATION													
	f. CONSERVATION													
	g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR 0.50 MILES				AV. WIDTH OF RESERVOIR .0625 MILES									
	18. TOTAL DRAINAGE AREA 13.8 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA 7.8 SQ. MI.				23. MEAN ANNUAL RUNOFF 10 INCHES									
	20. LENGTH 6 MILES		AV. WIDTH 3 MILES		24. MEAN ANNUAL RUNOFF 7360 AC.-FT.									
	21. MAX. ELEV. 1010		MIN. ELEV. 770		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.	
	1833		0								Original 97.8		0.0133	
	April 14, 1969		136	136	Mod Range		9		14.6		Present 13.1		0.0018	
	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	
	April 14, 1969		84.7		.62		.079		84.7		.622		.079	
	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					
April 14, 1969		50		86	86	.636	87							

25. 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

Survey made on foot-dam washed out in 1968
 Geology: Drainage area in Moraine.
 Soils: Predominantly, well drained loams, sandy loams - some more than 120.
 Sediment: Silt and clay.

48. AGENCY MAKING SURVEY Michigan RB and WPP - SCS
 49. AGENCY SUPPLYING DATA
 50. DATE April 15, 1969