

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-66

Brooklyn Mill Pond

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

22-18

DATA SHEET NO.

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------------------|------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|------------------------|--|------------------------|-----------------------------------|----------------------------------|-----------------------------|-------------------------------|-------------------------|--|-------------------------------------|-----------------------------|--|--------------------|--|----------------------|--|--|--|
| DAM | 1. OWNER Private | | | 2. STREAM River Raisin | | | 3. STATE Michigan | | | | | | | | | | | | | | | | |
| | 4. SEC. TWP. RANGE | | | 5. NEAREST P.O. Brooklyn | | | 6. COUNTY Jackson | | | | | | | | | | | | | | | | |
| | 7. LAT. " LONG. | | | 8. TOP OF DAM ELEVATION | | | 9. SPILLWAY CREST ELEV. 960 | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | 1948 | | | | | | | | | | | | |
| | b. MULTIPLE USE | | | | | | | | | | | | | | | | | | | | | | |
| | c. POWER | | 960 | | 45 | | 249.3 | | 249.3 | | 16. DATE NORMAL OPER. BEGAN | | | | | | | | | | | | |
| | d. WATER SUPPLY | | | | | | | | | | | | | | | | | | | | | | |
| | e. IRRIGATION | | | | | | | | | | | | | | | | | | | | | | |
| | f. CONSERVATION | | | | | | | | | | | | | | | | | | | | | | |
| | g. INACTIVE | | | | | | | | | | | | | | | | | | | | | | |
| 17. LENGTH OF RESERVOIR | | | | 1.0 MILES | | | | AV. WIDTH OF RESERVOIR | | | | 0.13 MILES | | | | | | | | | | | |
| 18. TOTAL DRAINAGE AREA | | | | | | 29.6 SQ. MI. | | | | | | 22. MEAN ANNUAL PRECIPITATION | | | | | | INCHES | | | | | |
| 19. NET SEDIMENT CONTRIBUTING AREA | | | | | | 6.2 SQ. MI. | | | | | | 23. MEAN ANNUAL RUNOFF | | | | | | 10.0 INCHES | | | | | |
| 20. LENGTH | | | | 3.5 MILES | | | | AV. WIDTH | | | | 1.5 MILES | | | | 24. MEAN ANNUAL RUNOFF | | | | 15786 AC.-FT. | | | |
| 21. MAX. ELEV. | | | | 1020 | | | | MIN. ELEV. | | | | 960 | | | | 25. ANNUAL TEMP: MEAN RANGE | | | | | | | |
| WATERSHED | 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. | | | | | | | | |
| | 5-12-69 | | 21 | | | | Mod Range | | 11 | | 45 | | Original | | .016 | | | | | | | | |
| | | | | | | | | | | | | | 249.3 | | | | | | | | | | |
| | | | | | | | | | | | | | Present | | .012 | | | | | | | | |
| | | | | | | | | | | | | 186.3 | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| SURVEY DATA | 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 | | | | | | | | | | |
| | 5-12-69 | | 63.0 | | 3.0 | | 0.484 | | 63.0 | | 3.0 | | 0.484 | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 5-12-69 | | 43.4 | | 457 | | 457 | | 1.20 | | 25.27 | | | | | | | | | | | | | |

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|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|
| 26. DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | | | | |
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|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 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 | | | | | | | | | | | | | | |
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| 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: Loamy sands and sands; well drained in the uplands, poorly drained in the lowlands. Some organic soils

Sediment: Silt + clay

48. AGENCY MAKING SURVEY Michigan RB & WPP, SCS

49. AGENCY SUPPLYING DATA Michigan RB & WPP, SCS

50. DATE 5-15-69