

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-66

Belleville Lake

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

22-28

DATA SHEET NO.

| | | | | | | |
|-----------------------------|--|---|-------------------------------------|--|------------------------------------|--|
| DAM | 1. OWNER Detroit Edison | | 2. STREAM Huron River | | 3. STATE Michigan | |
| | 4. SEC 19 & 24 TWP. 3S RANGE 8E | | 5. NEAREST P.O. Belleville | | 6. COUNTY Wayne | |
| | 7. LAT. " " " " " " " " " " " " | | 8. TOP OF DAM ELEVATION | | 9. SPILLWAY CREST ELEV. 651 | |
| RESERVOIR | 10. STORAGE ALLOCATION | | 11. ELEVATION TOP OF POOL | | 12. ORIGINAL SURFACE AREA, ACRES | |
| | a. FLOOD CONTROL | | | | | |
| | b. MULTIPLE USE | | | | | |
| | c. POWER | | 1,260 | | 19,945 | |
| | d. WATER SUPPLY | | | | 19,945 | |
| | e. IRRIGATION | | | | | |
| | f. CONSERVATION | | | | | |
| | g. INACTIVE | | | | | |
| 15. DATE STORAGE BEGAN | | | | 1929 | | |
| 16. DATE NORMAL OPER. BEGAN | | | | | | |
| 17. LENGTH OF RESERVOIR | | 5.5 MILES | | AV. WIDTH OF RESERVOIR | | |
| | | | | 0.3 MILES | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA | | 810 SQ. MI. | | 22. MEAN ANNUAL PRECIPITATION | |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | 20.3 SQ. MI. | | 23. MEAN ANNUAL RUNOFF | |
| | | | | | 9 INCHES | |
| | 20. LENGTH | | 7 MILES | | AV. WIDTH | |
| | | | | | 3 MILES | |
| 24. MEAN ANNUAL RUNOFF | | | | 388,776 AC.-FT. | | |
| 21. MAX. ELEV. 1,200 | | MIN. ELEV. 620 | | 25. ANNUAL TEMP.: MEAN | | |
| | | | | RANGE Moderate | | |
| 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. | | | |
| | 1929 | | | | Original | |
| | July 7 to 15, 1969 | | 40 | | Range Detailed | |
| | | | | | 27 | |
| | | | | | 1,260 | |
| | | | | | Present | |
| | | | | | 17,980 | |
| | | | | | .0513 | |
| | | | | .0462 | | |
| 26. DATE OF SURVEY | | 34. PERIOD ANNUAL PRECIPITATION | | 35. PERIOD WATER INFLOW, ACRE-FEET | | |
| | | | | 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 7 to 15, 1969 | | 1,965 | | 49.2 | | |
| | | 49.2 | | 2.42 | | |
| | | 2.42 | | 1,965 | | |
| | | 49.2 | | 49.2 | | |
| | | 2.42 | | 2.42 | | |
| 26. DATE OF SURVEY | | 39. AV. DRY WGT., LBS. PER CU. FT. | | 40. SED. DEP., TONS PER SQ. MI.-YR. | | |
| | | a. PERIOD b. TOTAL TO DATE | | a. AV. ANN. b. TOT. TO DATE | | |
| | | | | a. PERIOD b. TOT. TO DATE | | |
| July 7 to 15, 1969 | | 69 | | 3,637 | | |
| | | 3,637 | | 0.25 | | |
| | | | | 9.85 | | |

| | | | | | | | | | | | | |
|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|
| 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.

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 17, 1969