

RESERVOIR SEDIMENTATION
DATA SUMMARY

Harrison Lake

22-8

NAME OF RESERVOIR

DATA SHEET NO.

| | | | | | | | | | | | | | | | |
|--------------------|---|---|---------------------------------|------------------------------------|--|---------------------------|-----------------------------|---------------------------------|-----------------------------------|----|-----------------------------|-------|-------------------------|----|-----------------------------------|
| DAM | 1. OWNER Ohio Div. of Parks | | | 2. RIVER Mill Creek | | | 3. STATE Ohio | | | | | | | | |
| | 4. SEC. 36 TWP. 9 S RANGE 1 W | | | 5. NEAREST TOWN Fayette | | | 6. COUNTY Fulton | | | | | | | | |
| | 7. STREAM BED ELEV. | | | 8. TOP OF DAM ELEV. | | | 9. SPILLWAY CREST ELEV. 770 | | | | | | | | |
| RESERVOIR | 10. STORAGE ALLOCATION | | 11. ELEVATION TOP OF POOL | | 12. SURFACE AREA ACRES | | 13. STORAGE ACRE- FEET | | 14. ACCUMULATED ACRE- FEET | | 15. DATE STORAGE BEGAN | | | | |
| | a. FLOOD CONTROL | | | | | | | | | | March 1941 | | | | |
| | b. POWER | | | | | | | | | | | | | | |
| | c. WATER SUPPLY | | | | | | | | | | 16. DATE NORMAL OPER. BEGAN | | | | |
| | d. IRRIGATION | | | | | | | | | | | | | | |
| | e. CONSERVATION | | 770 | | 97 | | 991 | | 991 | | | | | | |
| | f. INACTIVE | | | | | | | | | | March 1941 | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 1.2 MILES | | | | AV. WIDTH OF RESERVOIR 0.13 MILES | | | | | | | | | | |
| | 18. TOTAL DRAINAGE AREA 37.2 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION 33 (25 yr.) INCHES | | | | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 37.0 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF 9.7 (17 yr.) INCHES | | | | | | | | | | |
| | 20. LENGTH 7.5 MILES | | AV. WIDTH 5.0 MILES | | 24. MEAN ANNUAL RUNOFF 19,524 AC.-FT. | | | | | | | | | | |
| | 21. MAX. ELEV. 926 | | MIN. ELEV. 745 | | 25. CLIMATIC CLASSIFICATION humid | | | | | | | | | | |
| | 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/W RATIO AC.-FT. PER SQ. MI. |
| 1941 | | - | | - | | - | | - | | 97 | | 991 | | 27 | |
| June 28-49 | | 8.3 | | 8.3 | | Range det. | | 12 | | 97 | | 929.1 | | 25 | |
| July 1951 | | 2.1 | | 10.4 | | " | | 12 | | 97 | | 902.4 | | 24 | |
| SURVEY DATA | 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 | | | d. MEAN ANNUAL d. TOTAL TO DATE | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 26. DATE OF SURVEY | | 37. PERIOD SEDIMENT DEPOSITS ACRE- FEET | | | 38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET. | | | | | | | | | | |
| | | a. PERIOD TOTAL b. AV. ANNUAL c. PER SQ. MI.-YEAR | | | d. TOTAL TO DATE e. AV. ANNUAL f. PER SQ. MI.-YEAR | | | | | | | | | | |
| June 28-49 | | 61.9 7.46 0.20 | | | 61.9 7.46 0.20 | | | | | | | | | | |
| July 1951 | | 26.7 12.71 0.34 | | | 88.6 8.52 0.23 | | | | | | | | | | |
| 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. ANNUAL b. TOT. TO DATE | | a. PERIOD b. TOT. TO DATE | | | | | | | | | |
| June 28-49 | | 53.2 232 | | 232 | | 0.75 6.25 | | - - | | | | | | | |
| July 1951 | | 53.* 392 | | 266 | | 0.86 8.94 | | - - | | | | | | | |

* Estimated

| | | | | | | | | | | | | | |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|
| 26. DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 25, 1954