

B-15

RESERVOIR SEDIMENTATION
DATA SUMMARY

Reynolds Pond

NAME OF RESERVOIR

19-26

DATA SHEET NO.

| | | | | | | | | |
|---|--|------------------------------------|---|---|---|---------------------------------|-------------------------|-----------------------------------|
| DAM | 1. OWNER Semi-Private | | | 2. RIVER Tr. of Barren Cr. | | 3. STATE Ohio | | |
| | 4. SEC. 35 TWP. 6 N RANGE 15 W | | | 5. NEAREST TOWN Bidwell | | 6. COUNTY Gallia | | |
| | 7. STREAM BED ELEV. | | | 8. TOP OF DAM ELEV. | | 9. SPILLWAY CREST ELEV. | | |
| 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 | | | | | 1940 | | |
| | b. POWER | | | | | | | |
| | c. WATER SUPPLY | | | | | 16. DATE NORMAL OPER. BEGAN | | |
| | d. IRRIGATION | | | | | | | |
| | e. CONSERVATION | | | 3.86 | 18.0 | 18.0 | 1940 | |
| | f. INACTIVE | | | | | | | |
| 17. LENGTH OF RESERVOIR 0.22 MILES | | | AV. WIDTH OF RESERVOIR 0.028 MILES | | | | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA 0.70 SQ. MI. | | | 22. MEAN ANNUAL PRECIPITATION 40 (25 yrs) INCHES | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 0.70 SQ. MI. | | | 23. MEAN ANNUAL RUNOFF 14 est. (25yrs) INCHES | | | | |
| | 20. LENGTH 1.35 MILES | | AV. WIDTH .52 MILES | | 24. MEAN ANNUAL RUNOFF 523 AC.-FT. | | | |
| | 21. MAX. ELEV. 820 | | MIN. ELEV. 610 | | 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. |
| 1940 Aug. 29-50 | - 10 | - 10 | - R. Detail | - 8 | 4 4 | 18 15 | 26 21 | |
| 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 | a. MEAN ANNUAL | b. TOTAL TO DATE | |
| | Aug. 29-50 | 41.81 | - | - | - | - | - | |
| 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 | a. TOTAL TO DATE | b. AV. ANNUAL | c. PER SQ. MI.-YEAR | | |
| Aug. 29-50 | 3.09 | 0.309 | 0.441 | 309 | 0.309 | 0.441 | | |
| 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 | |
| Aug. 29-50 | 57.4 | 551 | 551 | 1.72 | 17.2 | - | - | |

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|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 28. 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 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| 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

Sediment: yellow to buff and light brown. Mostly sandy and sandy silt with some fine gravel at upper end of lake and clayey silt with fine sand in lower portion. Some organic matter of a leafy nature.

48. AGENCY SUPPLYING DATA Ohio Division of Water

49. DATE June 18, 1954