

RESERVOIR SEDIMENTATION
DATA SUMMARY

I.C.R.R. Res. at Thompsonville
NAME OF RESERVOIR

16-26a

DATA SHEET NO.

| | | | | | | | | |
|-------------|--|---|--|---|---------------------------------------|-----------------------------|---------------------------------|-----------------------------------|
| DAM | 1. OWNER Illinois Central R.R. | | 2. RIVER Trib. to Ewing Cr. | | 3. STATE Illinois | | | |
| | 4. SEC. 3 TWP. 7S RANGE 4E | | 5. NEAREST TOWN Thompsonville | | 6. COUNTY Franklin | | | |
| | 7. STREAM BED ELEV. 434' | | 8. TOP OF DAM ELEV. 459' | | 9. SPILLWAY CREST ELEV. 454' | | | |
| 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 | | | | | 1926 | | |
| | b. POWER | | | | | | | |
| | c. WATER SUPPLY | 454' | 47.30 | 352.44 | 352.44 | 16. DATE NORMAL OPER. BEGAN | | |
| | d. IRRIGATION | | | | | | | |
| | e. CONSERVATION | | | | | | | |
| | f. INACTIVE | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 0.824 MILES | | 18. AV. WIDTH OF RESERVOIR 0.090 MILES | | | | | |
| | 19. TOTAL DRAINAGE AREA 1.799 SQ. MI. | | 20. MEAN ANNUAL PRECIPITATION (45) 42 INCHES | | | | | |
| | 21. NET SEDIMENT CONTRIBUTING AREA 1.725 SQ. MI. | | 22. MEAN ANNUAL RUNOFF (20-40) 13 INCHES | | | | | |
| | 23. LENGTH 2.186 MILES | | 24. AV. WIDTH 0.823 MILES | | 25. MEAN ANNUAL RUNOFF 1246.9 AG.-FT. | | | |
| | 26. MAX. ELEV. 610' | | 27. MIN. ELEV. 434' | | 28. CLIMATIC CLASSIFICATION Humid | | | |
| SURVEY DATA | 29. DATE OF SURVEY | 30. PERIOD YEARS | 31. ACCL. YEARS | 32. TYPE OF SURVEY | 33. NO. OF RANGES OR CONTOUR INT. | 34. SURFACE AREA ACRES | 35. CAPACITY ACRE- FEET | 36. C/W RATIO AC.-FT. PER SQ. MI. |
| | Aug. 1960 | 34 | 34 | DR | 8 | 47.30 | 352.44 | 196 |
| | | | | | | 47.30 | 300.63 | 167 |
| | 29. DATE OF SURVEY | 30. PERIOD ANNUAL PRECIPITATION | | 31. PERIOD WATER INFLOW ACRE- FEET | | | 32. WATER INFL. TO DATE AC.-FT. | |
| | | a. MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL | d. MEAN ANNUAL | e. TOTAL TO DATE | | |
| | Aug. 1960 | 33. PERIOD SEDIMENT DEPOSITS ACRE- FEET | | 34. 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 | |
| | Aug. 1960 | 51.81 | 1.52 | .880 | 51.81 | 1.52 | .880 | |
| | | 29. DATE OF SURVEY | 30. AV. DRY WGT. LBS. PER CU. FT. | 31. SED. DEP. TONS PER SQ. MI.-YR. | | 32. STORAGE LOSS PCT. | | 33. SED. INFLOW PPM |
| | Aug. 1960 | | 48.7 (12) | a. PERIOD | b. TOTAL TO DATE | c. AV. ANNUAL | d. TOT. TO DATE | e. PERIOD |
| 934 -- | | 934 | | .43 | 14.70 | | | |

*Estimated.

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|---|----------------|---|----------------|------------|------------|------------|----------------|----------|-------|-------|--------|------|------|------|------|------|
| 26. | DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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 | | | | | | | | | | | | | | | | |
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| 48. AGENCY SUPPLYING DATA Illinois State Water Survey | | | | | | | | | | | | | | | | |
| 49. DATE 10-19-61 | | | | | | | | | | | | | | | | |