

RESERVOIR SEDIMENTATION
DATA SUMMARY

Killarnay
NAME OF RESERVOIR

B 17
16 - 12
DATA SHEET NO.

| | | | | | | | | | | |
|-------------------------|---|---------------------------|---|----------------------------------|------------------------------------|---|------------------------|---------------------------------|-----------------------------------|--------------|
| DAM | 1. OWNER - | | | 2. RIVER <u>Big Creek</u> | | 3. STATE <u>Missouri</u> | | | | |
| | 4. SEC. <u>24</u> TWP. <u>31N</u> RANGE <u>3E</u> | | | 5. NEAREST TOWN <u>Annapolis</u> | | 6. COUNTY <u>Iron</u> | | | | |
| | 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 | | | | | 1910 | | | | |
| | b. POWER | | | | | | | | | |
| | c. WATER SUPPLY | | | | | 16. DATE NORMAL OPER. BEGAN | | | | |
| | d. IRRIGATION | | | | | | | | | |
| | e. CONSERVATION | | | | 818 | 818 | 1910 | | | |
| f. INACTIVE | | | | | | | | | | |
| 17. LENGTH OF RESERVOIR | | | | MILES | AV. WIDTH OF RESERVOIR | | | MILES | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA | | | <u>51</u> | SQ. MI. | 22. MEAN ANNUAL PRECIPITATION | | <u>44 (40)</u> | INCHES | |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | | <u>51</u> | SQ. MI. | 23. MEAN ANNUAL RUNOFF | | | INCHES | |
| | 20. LENGTH | | MILES | AV. WIDTH | | MILES | 24. MEAN ANNUAL RUNOFF | | | AC.-FT. |
| | 21. MAX. ELEV. | | | MIN. ELEV. | | 25. CLIMATIC CLASSIFICATION | | | | <u>Humid</u> |
| | 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. | |
| 1910 | | - | - | - | - | - | 818 | 16 | | |
| 1939 | | 29 | 29 | Recon. | - | - | 622 | 12 | | |
| 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 | e. 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 | | |
| 1939 | | 196 | 6.76 | 0.133 | 196 | 6.76 | 0.133 | | | |
| 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 | | |
| 1939 | | 60 * | 174 | 174 | 0.83 | 24.0 | | | | |

* 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 |
| 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. |
| | | | | | | | |

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|----------------------------------|------|----------|-----------|------|----------|-----------|------|----------|
| 46. ELEVATION-AREA-CAPACITY DATA | | | | | | | | |
| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
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| 47. REMARKS AND REFERENCES | |
| Region 3, Soil Conservation Service U. S. Dept. of Agriculture Milwaukee, Wisconsin | |
| 48. AGENCY SUPPLYING DATA | 49. DATE <u>May 10, 1950</u> |