RESERVOIR SEDIMENTATION DATA SUMMARY

Lake Eldorado NAME OF RESERVOIR 16 - 11 DATA SHEET NO.

| | DATA SUMM | | | | | | | | 15- | | | | | | |
|--------|---------------------------|----------------------|-----------------------|--------------------|---|----------------------------------|--------|---|-----------------------|-------------------------|-----------------------|--|--|--|--|
| ₹ | | | Eldorad | o | 2 RIV | ~ . | | Creek | 3. STATE Kansas | | | | | | |
| DA | | | 258 RANGE GE | | | REST TOW | | dorado | 6. COUNTY | Duater | | | | | |
| | 7.STREAM BED ELE | V. | 1,268 | } | 8. TOP | OF DAM EL | . E V. | 1,308 | 9. SPILLWA | Y GREST | ELEV. 1,300 | | | | |
| | IO. STORAGE ALLOCATION | | ELEVATION TOP OF POOL | | | SURFACE AREA ACRES | | STORAGE CRE – FEET | ACCUMULATED ACRE-FEET | | DATE STORAGE BEGAN | | | | |
| ايرا | o. FLOOD CONTRO | L | | | | | | | | |] | | | | |
| ō | b. POWER | | | | | | | | | • • | April 1928 | | | | |
| ERVOIR | C. WATER SUPPLY | | 1,30 | 0 | 36 | 362 | | 3,213 | 3,213 | | 16. DATE NORMAL | | | | |
| ESE | d. IRRIGATION | | | | | | | | | | OPER BEGAN | | | | |
| 2 | e. CONSERVATION | | | | | | | | | | April 1928 | | | | |
| | f. INACTIVE | | | | | | | | | Ap | | | | | |
| | 17. LENGTH OF RES | DIR | 2 | .65 | MILES | AV. WIDTH OF RESERVOIR 0.2] MILE | | | | | | | | | |
| G | 18. TOTAL DRAINAG | E AR | EA | | .1 | SQ. MI. | 22. ME | AN ANNUAL PRECIPITATION 31.03 (45) INCHES | | | | | | | |
| ERSHED | 19. NET SEDIMENT | CONTR | RIBUTING AR | | | SQ, MI. | 23. ME | MEAN ANNUAL RUNOFF INCHES | | | | | | | |
| E | 20. LENGTH 12 | | MILES | | | MILES | 24. ME | MEAN ANNUAL RUNOFF ACFT. | | | | | | | |
| WAT | <u> </u> | 1,5 | 20 | VIN. ELE | . v. 7 | 268 | 25. CL | IMATIC CLASSI | GEATION Humid | | | | | | |
| | | 27. _{PF} | | | | 30. NO.OF R | | | 32. CAPA | | 33. C/W RATIO | | | | |
| | SURVEY | | YEARS YEA | | SURVEY | OR CONTO | | | | -FEET | AC-FT, PER SQ.MI | | | | |
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| | 1928 | | - - | | | _ | | 362 | 2 0 | 2 ב | 91.5 | | | | |
| | | | | | | _ | | عار <u>ا</u> | 'ور | 213 | 71.0 | | | | |
| | April 1937 | pril 1937 9.0 9. | | .0 | Range | 22 | | 362 | 3.6 | 082 | 87.8 | | | | |
| | | | | | etailed | | |) 52 | | JUE | 1 01.0. | | | | |
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| | | | RIOD ANNUAL | | PERIOD WATER INFL | | | | | 36. WATER INFL. TO DATE | | | | | |
| i l | SURVEY P | | PRECIPITATION | | ANNUAL | ^{b.} ,MAX. AN | NUAL | C.PERIOD TOT | L G. MEAN ANNUAL | | b. TOTAL TO DATE | | | | |
| | April 1937 | | 30.11 | | | · | | | | | | | | | |
| DATA | | | | | | | | | | | | | | | |
| | 26. DATE OF | | | | | | | | | | TE ACRE-FEET. | | | | |
| VΕΥ | SURVEY | O. PERIOD TOTAL b. A | | | ANNUAL | C. PER SQ.M | 1YEAR | O. TOTAL TO DA | E b. AV. ANNUAL | | C.PER SQ.MI-YEAR | | | | |
| SURV | April 1937 | | 131 | 1 | 4.6 | 0.4 | 26 | 131 | 14. | .6 | 0.426 | | | | |
| | 26. DATE OF | 39. AV | | ^{40.} SED | DEP. TON | S PER SQ.M | IIYR. | 41. STORAGE | LOSS PCT. 42. SED. | | INFLOW PPM | | | | |
| | SURVEY | LBS. PER CU.FT. | | | ERIOD | b. TOTAL TO | | a.Av. ANNUAL | | | | | | | |
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| | April 1937 | | 66 ()() | | 12 | 612 | | 0.45 | 4.08 | | | | | | |
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| 26. | 43. | DE | PTH DES | SIGN | ATION | RANG | EINF | EETAI | BOVE | AND BE | LOW, CF | EST EL | .EVAT | ION | | |
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| 45. | | | | RAN | NGE I | N RES | ERVO | ROPE | RATI | ION | | | | | | |
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| 47. DEMARKS | AND BE | CEREN | | | | | | | | | | L | | | | |
| 47. REMARKS | | | | nt c | on +k | വമ മേ | dimon | tati d | וא פו | บรายาร | of Lak | e Eld | nrad | 0 | | |

Eldorado, Kansas. U.S. Scil Conserv. Serv. SCS-SS-25, 14 pp., illus., processed. Washington, D. C. July 1938.

A resurvey was made in 1948 by Black & Veatch, Consulting Engineers, Kansas City, Missouri. Evaluation of this survey has not been made.

Sediment is sand, silt, and clay, with little or no coarse material.

Mechanical analysis shows sand 57.6%, silt 23.0% and clay 19.4% in the average sample.

Region 5, Soil Conservation Service U. S. Dept. of Agriculture 4Lincoln, Nebraska 49. DATE May 25, 1951 48. AGENCY SUPPLYING DATA