Marinuka (Davis Lake)

soil conservation service 27-3

RESERVOIR SEDIMENTATION
DATA SUMMARY

DATA SHEET NO.

| | DATA SUMM | ARY | | _ | | NAME O | FRESE | RVOIR | | D | ATA SHE | ET NO. | |
|-----------|---------------------------|--------------------------------|-------------------------------|----------------------|-----------------|--|---------|--------------------------|------------------|---------------------------|-------------|-----------------------|--|
| | Lowner Galesv | ille Mil | ling | Co. | 2. RIVE | R Beave | er Cr | eek | 3. STATE | Wisc | onsin | 1 | |
| DAM | 4. SEC. 32 TWI | p. 19 N R | ANGE | 8 | W 5. NEA | REST TOWN | Gal | esville | 6. COUNTY | Trem | peale | au | |
| | 7.STREAM BED ELE | V. | | | 8. TOP | OF DAM EL | ∠EV. | | 9. SPILLWAY | | | | |
| | IO. STORAGE ALLOCATION | II. EL. | OF PC | | _ | FACE ACRES | | STORAGE CRE — FEET | ACCUMUL ACRE- | .ATED | | STORAGE EGAN | |
| IR. | D. POWER | L | | | 27 | 7.¢ | | 1,677 | 1,67 | דיו | 18 | 867 | |
| ERVOIR | C. WATER SUPPLY | | | | | <u>, </u> | | 1.3 077 | ±307 | | 16. DATE | NORMAL | |
| SEF | d. IRRIGATION | | • | | | | | | | | | NORMAL R. BEGAN | |
| RES | B. CONSERVATION | | | | | | | | | | | | |
| | f. INACTIVE | | | | | | | | | | 18 | 67 | |
| | 17. LENGTH OF RES | EBYOIR | | | | MILES | AV WIE | TH OF RESER | L | | | MILES | |
| - | IB. TOTAL DRAINAG | | 138. | 6 | | | ļ | AN ANNUAL PE | | 31 (| (2) | INCHES | |
| WATERSHED | 19. NET SEDIMENT | | | | 3000 | | | AN ANNUAL R | | <u> </u> | | INCHES | |
| RSI | 20. LENGTH | | | . WIDT | 138.2 | | | | | | • | | |
| YE. | | MIF | - | | | MILES | | AN ANNUAL R | | | q.mi. | , # AU F 1. | |
| <u>×</u> | 21. MAX. ELEV. | | - 1 | IN. ELE | | 130 | | MATIC CLASSI | | Humid | 23 - | | |
| | 26. DATE OF SURVEY | ^{27.} PERIOD YEARS | ^{28,} ACCL. YEARS | | TYPE OF SURVEY | | | 31. SURFACE AREA ACRE | S AGRE- | 32. CAPACITY ACRE-FEET | | AC-FT, PER SQ.MI. | |
| | 1867 | - | - | - | - | _ | | 278 | 1,67 | 1,677 | | 12.1 | |
| | June 22,1939 | 72 | | | ange etailed | 22 | | 151 | 68 | 683 | | 4.93 | |
| | | 34. | | 35. _E | EPION M | ATED ING | EL OW | ACRE-FEE | T 36. WATE | D INFI | TO DA | TE AC-FT. | |
| | DATE OF SURVEY | PERIOD ANI PRECIPITAT | NUAL | ı · | | b. MAX. AN | | C. PERIOD TOT | | | | L TO DATE | |
| | | | 1511 | MEA | ANIOAL | (400.00 | - INOAL | TERROD TO | TAE MICAN | ANTOAL | | IL TO BATE | |
| | June 22,1939 | 31 | | - | per | | | | 550 r sq.mi | | | | |
| DATA | | | | | | | | | | | | | |
| 70 | 26. DATE OF | 37. PERIO | D SEI | DIMEN | T DEPOSI | TS ACRE- | -FEET | 38. TOTAL SE | D. DEPOSIT | S TO DA | TE AC | RE-FEET. | |
| Ē | SURVEY | a. PERIOD T | | | ANNUAL | | | a. TOTAL TO DA | | | | Q.MI-YEAR | |
| SURVEY | June 22,1939 | | | 13.82 (20.47) | | 0.10 | | 995 (1,474) | | 13.82 (20.47) | | 0.100 (0.148) | |
| i. | 26. | 70 | | 40.cep | DER TON | C DED CO. | 41 VD | AL STORAGE | LOSS PCT. | 42.ccp | INIE! O | W 0.0M | |
| | DATE OF SURVEY | 39. AV. DRY W | · • · · · | - | | S PER SQ. | | | b. TOT, TO DATE | | | W PPM TOT, TO DATE | |
| | SURVET | L03. FER 0 | , Ų. F 1, | Ρ. | ERIOD | - IOIAL 1 | UDAIL | AV. ANNOAL | TOT, TO DATE | PERIO | ,,, | OI. TO DATE | |
| | June 22,1939 | 72.5 (14) | | 1 58 (234) | | 158 (234) |) | 0.82 | 59•3 360 | | 360 * | | |
| | | | | | | | | | | | | | |

^{1/} Including 129 acre-feet dredged from lake in 1937, which had a volume of 155 acre-feet in the lake.

^{*} Estimated

| | 43. | DE | | HON | AHUT | I RANGE | IN FEE | . I ABOVE | . AND BE | LOW CE | (651 616 | VATION | |
|---|---|--|--|----------------------------|----------------------|---|--|---|---|--|---|---|---------|
| DATE OF | |] | | Т | Ī | | | | ,,,,,,, | | | 1 | |
| SURVEY | | · | PERCENT | OF | TOT | AL SED | MENT | OCATE | WITHIN | DEPTH | DESIGN | ATION | |
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| | 44. | REAC | H DESIG | NAT | ION F | PERCEN | T OF TO | TAL OR | IGINAL I | ENGH | OF RESE | ERVOIR | |
| DATE OF SURVEY | 0-10 10 | 20 20 | 0-30 30-4 | 40 4 | 0-50 | 50-60 6 | 0-70 70 | -60 80-9 | 0 90 - 100 | -105 | -110 - | -115 -12 | 20 -125 |
| 0511721 | | P8 | RCENT (| OF T | OTAL | SEDIM | ENT LO | CATED | WITHIN | REACH | DESIGNA | ATION | |
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| WATER YEAR | MAX. EL | LEV. | MIN. ELE | V. | INF LO | N AC,-FT | WATER | YEAR | MAX. ELE | V. M | IN ELEV. | INFLOW | AC FT. |
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| | | | CITY E | LEVA | TION | ARI | EA | CAPACITY | ELEV | | | | |
| REMARKS | AND REF | ERENC | CITY E | ine : | TION | ARI | tes of | CAPACITY Sedim | ELEV | oduct | ion in | midwes | |
| REMARKS nited Sta | AND REF | ERENC Oil (| ES Bru | ine ; | G.] | M. Ra | tes of | CAPACITY Sedim | ent prukee, | oduct; | ion in 1 Dec. 1 | midwes | |
| REMARKS nited Sta Old da Ettric | AND REF tes. S m faile k Mill | ERENC Coil Cod in Pond | EES Bru Conserv. 1866, 1 | ine , Secrebu | , G.lerv. | M. Ra, SCS-in 18 | tes of TP-65; | Sedim , Milwa gain in | ent prukee, | oduct: Wis., and 19 | ion in pec. 1920. | midwes | tern |
| Ettric Suspen | AND REF tes. S m faile k Mill ded loa | ERENC Coil Cod in Pond | ES Bru Conserv, 1866, 1 constru | LEVA | , G.lerv. | M. Ra, SCS-in 18 | tes of TP-65; | Sedim Milwa gain in 1871, w | ent prukee, 1913 | oduct: Wis., and 19 W rati | ion in pec. 1920. | midwes 948. | tern |
| REMARKS nited Sta Old da Ettric Suspen am. Samp | AND REF tes. S m faile k Mill ded loa ling in | ERENC Coil Cod in Pond d sam | ES Bru Conserv. 1866, r constru | nne . Se rebucte from | G. G. it de du n Ap: | M. Ra, SCS-in 18 ostrearil 12 one h | tes of TP-65; 67, agm in I | Sedim , Milwa gain in 1871, w | ent prukee, 1913 ith C/1940, days, | oduct: Wis., and 19 W rati at hea | ion in pec. 1920. io of 2 ad of 1 ading u | midwes 948. .5. ake an | tern |
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