$A_{Eo}$ : 2121 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 2005 Nov | 2005 Dez | 2006 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 5.01 | 5.26 | 7.71 | R 5.24 | 10.2 | 65.9 | 16.2 | 31.0 | 9.24 | 6.38 | 6.92 | 6.59 | 6.02 | 8.07 |
| 2. | 5.22 | 5.10 | 8.86 | R 5.07 | 9.96 | 82.1 | 15.5 | 31.5 | 8.27 | 6.21 | 6.14 | 6.30 | 5.85 | 7.78 |
| 3. | 5.29 | 5.03 | 8.72 | R 4.90 | 9.64 | 76.9 | 14.7 | 26.3 | 7.74 | 6.43 | 5.64 | 7.34 | 5.92 | 7.45 |
| 4. | 5.19 | 5.26 | 8.16 | R 4.74 | 9.37 | 60.5 | 13.6 | 23.2 | 7.56 | 6.24 | 5.53 | 12.7 | 6.08 | 7.80 |
| 5. | 5.41 | 10.9 | 7.83 | R 4.66 | 9.00 | 50.3 | 12.9 | 20.5 | 7.20 | 6.18 | 5.32 | 11.8 | 5.92 | 9.84 |
| 6. | 5.60 | 18.7 | 7.56 | R 4.61 | 8.67 | 39.8 | 12.2 | 18.4 | 11.3 | 5.79 | 5.26 | 8.11 | 6.31 | 10.4 |
| 7. | 5.42 | 12.1 | 7.40 | 4.73 | 8.50 | 33.0 | 11.6 | 17.2 | 9.97 | 6.05 | 4.97 | 6.98 | 6.40 | 9.34 |
| 8. | 5.19 | 9.26 | 7.03 | 8.56 | 8.22 | 28.9 | 11.2 | 15.8 | 9.19 | 5.89 | 4.91 | 7.14 | 6.11 | 8.80 |
| 9. | 5.01 | 8.23 | 6.88 | 17.9 | 9.07 | 25.7 | 10.9 | 14.6 | 9.30 | 5.46 | 4.81 | 6.75 | 5.96 | 8.42 |
| 10. | 4.97 | 7.54 | 6.50 | 14.1 | 35.6 | 23.7 | 10.8 | 13.6 | 8.46 | 5.27 | 4.70 | 6.13 | 5.95 | 8.20 |
| 11. | 4.88 | 6.92 | 6.40 | 8.47 | 56.9 | 21.8 | 10.2 | 12.7 | 7.50 | 5.50 | 4.68 | 5.79 | 6.22 | 7.70 |
| 12. | 4.85 | 6.47 | 6.14 | 6.93 | 54.3 | 20.3 | 10.1 | 12.0 | 7.02 | 6.27 | 4.62 | 5.45 | 6.46 | 8.90 |
| 13. | 4.89 | 6.34 | 6.10 | 6.06 | 33.7 | 19.6 | 10.1 | 11.4 | 8.24 | 6.90 | 4.64 | 5.22 | 7.98 | 10.7 |
| 14. | 4.94 | 6.30 | 5.97 | 5.80 | 22.9 | 20.8 | 10.4 | 11.1 | 7.30 | 6.17 | 4.49 | 5.23 | 10.2 | 10.3 |
| 15. | 4.67 | 6.17 | 5.72 | 6.40 | 19.0 | 25.9 | 10.0 | 10.8 | 6.60 | 5.88 | 4.56 | 4.99 | 12.7 | 9.33 |
| 16. | 5.18 | 7.41 | R 5.31 | 31.1 | 16.7 | 24.2 | 9.55 | 11.4 | 6.19 | 6.03 | 4.56 | 4.86 | 10.4 | 8.64 |
| 17. | 5.69 | 16.1 | R 5.19 | 53.1 | 15.0 | 33.0 | 12.9 | 11.6 | 5.90 | 5.88 | 4.53 | 4.96 | 9.02 | 8.71 |
| 18. | 5.82 | 14.0 | R 6.43 | 53.6 | 13.8 | 29.7 | 12.1 | 10.3 | 5.83 | 5.60 | 4.57 | 4.95 | 8.65 | 8.65 |
| 19. | 5.44 | 10.6 | R 6.57 | 51.7 | 13.8 | 25.2 | 12.2 | 10.8 | 5.76 | 5.47 | 4.60 | 4.99 | 8.34 | 8.16 |
| 20. | 5.40 | 9.42 | R 6.41 | 42.6 | 14.6 | 22.4 | 12.0 | 11.6 | 5.54 | 6.24 | 4.46 | 4.98 | 9.14 | 7.51 |
| 21. | 5.10 | 9.18 | R 7.81 | 29.6 | 15.2 | 20.4 | 15.6 | 11.4 | 5.24 | 6.95 | 4.38 | 5.08 | 9.94 | 7.34 |
| 22. | 5.38 | 8.98 | R 11.8 | 23.8 | 14.8 | 19.1 | 14.4 | 9.94 | 5.55 | 6.48 | 4.31 | 5.05 | 11.9 | 6.93 |
| 23. | 5.68 | 9.40 | R 9.28 | 18.8 | 14.5 | 18.9 | 13.7 | 9.30 | 6.08 | 6.64 | 4.43 | 4.98 | 12.4 | 6.86 |
| 24. | 5.55 | 10.4 | R 6.50 | 15.6 | 13.8 | 17.4 | 12.6 | 9.07 | 6.54 | 6.03 | 4.27 | 7.76 | 12.8 | 6.50 |
| 25. | 5.34 | 11.6 | R 6.26 | 13.8 | 14.6 | 16.2 | 11.0 | 9.00 | 5.72 | 6.06 | 4.29 | 10.8 | 14.1 | 6.52 |
| 26. | 5.28 | 11.5 | R 6.50 | 12.4 | 28.5 | 16.7 | 12.4 | 15.6 | 5.26 | 7.50 | 4.83 | 9.24 | 11.7 | 6.36 |
| 27. | 5.14 | 10.3 | R 6.32 | 11.2 | 48.3 | 21.0 | 31.3 | 15.0 | 5.69 | 6.89 | 5.08 | 7.20 | 10.2 | 6.31 |
| 28. | 5.10 | 9.39 | R 5.94 | 10.4 | 53.7 | 20.6 | 65.2 | 10.6 | 6.09 | 6.44 | 5.24 | 6.27 | 9.32 | 6.08 |
| 29. | 5.25 | 8.75 | R 5.76 | | 63.2 | 18.3 | 60.1 | 10.3 | 7.07 | 7.68 | 4.95 | 5.99 | 8.85 | 6.18 |
| 30. | 5.37 | 8.16 | R 5.59 | | 61.4 | 17.0 | 54.4 | 10.1 | 6.90 | 10.5 | 4.60 | 5.64 | 8.38 | 6.32 |
| 31. | | 7.77 | R 5.42 | | 58.7 | | 35.5 | | 6.68 | 8.46 | | 5.87 | | 6.46 |

## Hauptwerte

| | 2005 Nov | 2005 Dez | 2006 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 15. | 3. | 17. | 6. | 8. | 25. | 16. | 25. | 21. | 10. | 24. | 16. | 2. | 28. |
| NQ | 4.67 | 5.03 | 5.19 | 4.61 | 8.22 | 16.2 | 9.55 | 9.00 | 5.24 | 5.27 | 4.27 | 4.86 | 5.85 | 6.08 |
| MQ | 5.24 | 9.11 | 6.91 | 17.0 | 24.7 | 30.5 | 18.2 | 14.5 | 7.13 | 6.43 | 4.88 | 6.62 | 8.64 | 7.95 |
| HQ | 6.20 | 20.0 | 12.6 | 57.1 | 68.1 | 86.8 | 85.8 | 33.3 | 15.9 | 12.2 | 7.96 | 14.3 | 16.1 | 11.2 |
| Tag | 17. | 6. | 22. | 17. | 29. | 2. | 28. | 2. | 6. | 30. | 4. | 4. | 24. | 5. |
| $h_N$ mm | 39 | 59 | 27 | 55 | 80 | 55 | 118 | 56 | 57 | 87 | 25 | 72 | 47 | 47 |
| $h_A$ mm | 6 | 12 | 9 | 19 | 31 | 37 | 23 | 18 | 9 | 8 | 6 | 8 | 10 | 10 |

| | 1930/2005 | | 1931/2006 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 70 Jahre | | | | | | | | | | | |
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.28 | 9.47 | 11.8 | 13.6 | 14.6 | 13.5 | 9.20 | 7.03 | 5.64 | 5.13 | 4.81 | 5.28 | 7.16 | 9.42 |
| MQ | 14.0 | 21.4 | 26.7 | 28.5 | 27.8 | 21.4 | 14.0 | 11.4 | 9.14 | 7.45 | 6.98 | 8.90 | 13.5 | 21.4 |
| MHQ | 37.3 | 58.8 | 82.8 | 75.2 | 72.3 | 43.8 | 28.7 | 26.7 | 21.4 | 16.3 | 14.7 | 21.6 | 35.1 | 59.0 |
| HQ | 202 | 215 | 440 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 2003 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |
| | 1960/2005 | | 1961/2006 | | | | | | | | | | | |
| | | | 46 Jahre | | | | | | | | | | | |
| $Mh_N$ mm | 67 | 79 | 64 | 53 | 56 | 52 | 61 | 68 | 70 | 62 | 54 | 58 | 68 | 80 |
| $Mh_A$ mm | 17 | 27 | 34 | 32 | 35 | 26 | 18 | 14 | 12 | 9 | 8 | 11 | 16 | 27 |

| | Abflussjahr (*) 2006 Jahr | Datum | Winter | Sommer | Kalenderjahr 2006 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 4.27 | am 24.09.2006 | 4.61 | 4.27 | 4.27 | am 24.09.2006 |
| MQ m³/s | 12.6 | | 15.5 | 9.64 | 12.7 | |
| HQ m³/s | 86.8 | am 02.04.2006 bei W= 371 cm | 86.8 | 85.8 | 86.8 | am 02.04.2006 bei W= 371 cm |
| Nq l/(s km²) | 2.02 | | 2.17 | 2.02 | 2.02 | |
| Mq l/(s km²) | 5.92 | | 7.32 | 4.54 | 6.01 | |
| Hq l/(s km²) | 40.9 | | 40.9 | 40.4 | 40.9 | |
| $h_N$ mm | 730 | | 315 | 415 | 726 | |
| $h_A$ mm | 187 | | 116 | 71 | 187 | |
| | 1931/2006 (*) 71 Jahre | | | | 1931/2006 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.92 | | 6.38 | 4.14 | 4.10 | |
| MQ m³/s | 16.3 | | 23.2 | 9.58 | 16.4 | |
| MHQ m³/s | 139 | | 135 | 44.4 | 143 | |
| HQ m³/s | 440 | am 03.01.2003 bei W= 650 cm | 440 | 190 | 440 | am 03.01.2003 bei W= 650 cm |
| $HQ_1$ m³/s | 102 | | 98.8 | 32.7 | 101 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.85 | | 3.01 | 1.95 | 1.93 | |
| Mq l/(s km²) | 7.71 | | 10.9 | 4.52 | 7.72 | |
| MHq l/(s km²) | 65.7 | | 63.8 | 20.9 | 67.5 | |
| | 1961/2006 (*) 46 Jahre | | | | 1961/2006 | |
| $Mh_N$ mm | 745 | | 371 | 374 | 747 | |
| $Mh_A$ mm | 243 | | 174 | 71 | 243 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.236 | 08.07.1954 | 440 | 207 | | 03.01.2003 |
| 2 | | | | 351 | 165 | | 21.03.1940 |
| 3 | | | | 325 | 153 | | 23.02.1970 |
| 4 | | | | 317 | 149 | | 06.01.1982 |
| 5 | | | | 312 | 147 | | 08.02.1984 |
| 6 | | | | 303 | 143 | | 18.01.1939 |
| 7 | | | | 297 | 140 | | 24.01.1995 |
| 8 | | | | 237 | 112 | | 06.02.1980 |
| 9 | | | | 215 | 101 | | 25.12.1967 |
| 10 | | | | 206 | 97.3 | | 27.02.2002 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2006 | Kalenderjahr 2006 | 1931/2006 70 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 82.1 | 82.1 | 326 | 128 | 18.8 |
| 363 | 76.9 | 76.9 | 320 | 108 | 18.1 |
| 362 | 65.9 | 65.9 | 192 | 96.3 | 18.1 |
| 361 | 65.2 | 65.2 | 185 | 88.3 | 17.1 |
| 360 | 63.2 | 63.2 | 185 | 82.1 | 15.7 |
| 359 | 61.4 | 61.4 | 171 | 76.5 | 15.4 |
| 358 | 60.5 | 60.5 | 162 | 71.9 | 14.2 |
| 357 | 60.1 | 60.1 | 158 | 68.6 | 13.4 |
| 356 | 58.7 | 58.7 | 136 | 65.8 | 13.1 |
| 350 | 53.1 | 53.1 | 96.3 | 53.5 | 11.6 |
| 340 | 33.0 | 33.0 | 80.7 | 41.9 | 10.6 |
| 330 | 25.9 | 25.9 | 70.4 | 35.0 | 10.2 |
| 320 | 21.0 | 21.0 | 61.1 | 30.1 | 9.09 |
| 300 | 16.2 | 16.2 | 45.8 | 23.7 | 8.31 |
| 270 | 12.7 | 12.7 | 33.6 | 18.2 | 7.13 |
| 240 | 10.8 | 10.7 | 27.4 | 14.8 | 5.98 |
| 210 | 9.24 | 9.30 | 23.2 | 12.4 | 5.15 |
| 183 | 7.76 | 8.38 | 20.5 | 10.7 | 4.12 |
| 150 | 6.57 | 7.07 | 17.8 | 8.89 | 3.40 |
| 130 | 6.26 | 6.52 | 16.2 | 8.01 | 3.19 |
| 120 | 6.13 | 6.43 | 15.5 | 7.59 | 3.10 |
| 110 | 5.97 | 6.31 | 14.5 | 7.18 | 3.03 |
| 100 | 5.79 | 6.18 | 13.5 | 6.87 | 2.84 |
| 90 | 5.64 | 6.08 | 12.8 | 6.51 | 2.80 |
| 80 | 5.46 | 5.96 | 12.2 | 6.17 | 2.69 |
| 70 | 5.32 | 5.85 | 11.7 | 5.83 | 2.55 |
| 60 | 5.24 | 5.64 | 10.9 | 5.49 | 2.55 |
| 50 | 5.14 | 5.45 | 10.7 | 5.16 | 2.46 |
| 40 | 5.01 | 5.23 | 10.2 | 4.81 | 2.35 |
| 30 | 4.94 | 4.99 | 9.99 | 4.40 | 2.21 |
| 25 | 4.86 | 4.91 | 9.77 | 4.20 | 2.21 |
| 20 | 4.73 | 4.74 | 9.57 | 4.00 | 2.19 |
| 15 | 4.64 | 4.64 | 9.57 | 3.74 | 1.82 |
| 10 | 4.57 | 4.57 | 9.56 | 3.39 | 1.42 |
| 9 | 4.56 | 4.56 | 9.15 | 3.28 | 1.41 |
| 8 | 4.56 | 4.56 | 8.95 | 3.16 | 1.17 |
| 7 | 4.53 | 4.53 | 8.88 | 3.04 | 1.17 |
| 6 | 4.49 | 4.49 | 8.75 | 2.90 | 1.17 |
| 5 | 4.46 | 4.46 | 8.74 | 2.78 | 0.930 |
| 4 | 4.43 | 4.43 | 8.74 | 2.67 | 0.930 |
| 3 | 4.38 | 4.38 | 8.74 | 2.56 | 0.710 |
| 2 | 4.31 | 4.31 | 8.74 | 2.41 | 0.710 |
| 1 | 4.29 | 4.29 | 8.35 | 2.10 | 0.710 |
| 0 | 4.27 | 4.27 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Umwelt

$A_{Eo}$ : 2121 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 2004 Nov | 2004 Dez | 2005 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 5.32 | 11.9 | 14.0 | 21.7 | 17.4 | 20.8 | 21.7 | 9.96 | 7.95 | 5.37 | 4.06 | 5.94 | 5.01 | 5.26 |
| 2. | 5.21 | 11.4 | 17.0 | 22.5 | 16.7 | 18.8 | 19.8 | 9.51 | 7.72 | 5.08 | 4.11 | 9.60 | 5.22 | 5.10 |
| 3. | 5.18 | 10.6 | 18.6 | 21.4 | 16.1 | 17.6 | 18.3 | 9.38 | 7.14 | 5.22 | 4.25 | 9.46 | 5.29 | 5.03 |
| 4. | 5.07 | 10.2 | 17.1 | 20.4 | 15.8 | 16.7 | 17.8 | 9.14 | 6.36 | 5.20 | 4.13 | 6.92 | 5.19 | 5.26 |
| 5. | 5.25 | 9.56 | 16.7 | 19.4 | 15.3 | 16.0 | 17.3 | 8.90 | 6.76 | 5.17 | 3.80 | 5.99 | 5.41 | 10.9 |
| 6. | 5.14 | 9.18 | 21.8 | 18.4 | 14.9 | 15.5 | 16.2 | 9.10 | 6.42 | 5.06 | 3.99 | 5.42 | 5.60 | 18.7 |
| 7. | 5.31 | 8.84 | 21.7 | 17.3 | 14.2 | 16.1 | 16.5 | 9.17 | 7.20 | 5.32 | 3.94 | 5.24 | 5.42 | 12.1 |
| 8. | 5.45 | 8.66 | 19.2 | 16.2 | 13.9 | 17.7 | 19.3 | 9.18 | 7.51 | 5.65 | 3.94 | 5.04 | 5.19 | 9.26 |
| 9. | 5.29 | 8.34 | 17.5 | 15.2 | 14.1 | 16.8 | 19.1 | 8.71 | 6.78 | 5.65 | 3.84 | 5.17 | 5.01 | 8.23 |
| 10. | 6.13 | 8.08 | 16.1 | 14.9 | 14.4 | 15.5 | 16.6 | 8.40 | 5.98 | 5.55 | 3.95 | 5.07 | 4.97 | 7.54 |
| 11. | 6.56 | 7.76 | 15.0 | 26.3 | 14.8 | 14.7 | 15.2 | 8.30 | 5.69 | 4.94 | 4.33 | 5.00 | 4.88 | 6.92 |
| 12. | 6.49 | 7.50 | 14.3 | 61.7 | 16.9 | 14.1 | 14.3 | 8.35 | 5.47 | 4.96 | 6.70 | 5.00 | 4.85 | 6.47 |
| 13. | 7.08 | 7.34 | 14.1 | 103 | 19.6 | 13.6 | 13.7 | 8.06 | 5.31 | 5.07 | 7.51 | 4.85 | 4.89 | 6.34 |
| 14. | 7.71 | 7.13 | 13.8 | 111 | 20.3 | 13.4 | 13.6 | 8.01 | 5.17 | 5.31 | 5.62 | 4.87 | 4.94 | 6.30 |
| 15. | 7.50 | 6.95 | 12.7 | 98.1 | 19.9 | 13.2 | 17.1 | 7.92 | 5.13 | 5.84 | 4.91 | 4.94 | 4.67 | 6.17 |
| 16. | 6.89 | 6.88 | 12.0 | 64.3 | 22.0 | 13.1 | 16.7 | 7.70 | 5.10 | 6.19 | 6.07 | 4.91 | 5.18 | 7.41 |
| 17. | 6.69 | 7.12 | 11.2 | 43.0 | 28.6 | 12.6 | 14.7 | 7.32 | 5.25 | 5.60 | 8.58 | 4.85 | 5.69 | 16.1 |
| 18. | 10.5 | 12.0 | 11.6 | 35.5 | 38.1 | 12.9 | 13.8 | 7.32 | 5.03 | 4.90 | 7.22 | 4.58 | 5.82 | 14.0 |
| 19. | 31.4 | 14.7 | 18.4 | 31.9 | 39.9 | 22.7 | 13.2 | 7.09 | 6.14 | 4.72 | 5.73 | 4.77 | 5.44 | 10.6 |
| 20. | 42.8 | 12.7 | 21.5 | 29.7 | 33.5 | 45.7 | 12.3 | 6.86 | 7.23 | 4.79 | 5.24 | 4.89 | 5.40 | 9.42 |
| 21. | 27.9 | 10.0 | 78.4 | 27.6 | 26.9 | 34.2 | 12.1 | 6.73 | 5.99 | 5.34 | 5.10 | 4.93 | 5.10 | 9.18 |
| 22. | 18.3 | 8.64 | 89.7 | 25.9 | 23.2 | 25.1 | 14.2 | 6.62 | 5.59 | 5.11 | 4.95 | 4.95 | 5.38 | 8.98 |
| 23. | 24.9 | 9.04 | 87.7 | 24.6 | 21.6 | 21.4 | 17.9 | 6.42 | 6.06 | 4.69 | 4.89 | 5.01 | 5.68 | 9.40 |
| 24. | 28.9 | 17.5 | 61.4 | 23.2 | 21.0 | 19.4 | 17.4 | 6.29 | 6.01 | 4.79 | 4.89 | 5.31 | 5.55 | 10.4 |
| 25. | 20.4 | 32.4 | 37.0 | 21.4 | 21.0 | 20.6 | 16.6 | 6.28 | 5.73 | 4.88 | 4.84 | 5.36 | 5.34 | 11.6 |
| 26. | 16.3 | 33.1 | 30.0 | 20.4 | 25.1 | 27.5 | 13.5 | 7.05 | 5.81 | 4.92 | 4.98 | 5.02 | 5.28 | 11.5 |
| 27. | 14.3 | 25.7 | 26.1 | 19.8 | 23.7 | 30.6 | 12.1 | 7.07 | 5.34 | 4.71 | 5.57 | 5.01 | 5.14 | 10.3 |
| 28. | 13.4 | 20.7 | 23.4 | 18.4 | 21.2 | 29.9 | 11.4 | 6.33 | 5.18 | 4.62 | 5.45 | 5.00 | 5.10 | 9.39 |
| 29. | 12.9 | 17.7 | 21.6 | | 21.9 | 25.9 | 10.7 | 6.20 | 5.22 | 4.46 | 5.26 | 5.06 | 5.25 | 8.75 |
| 30. | 12.5 | 15.5 | 19.7 | | 25.7 | 23.4 | 10.1 | 7.44 | 6.35 | 4.37 | 5.63 | 4.94 | 5.37 | 8.16 |
| 31. | | 14.2 | 18.5 | | 24.3 | | 10.4 | | 6.38 | 4.20 | | 5.06 | | 7.77 |

## Hauptwerte

| | 2004 Nov | 2004 Dez | 2005 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 4. | 16. | 17. | 10. | 8. | 17. | 30. | 29. | 18. | 31. | 5. | 18. | 15. | 3. |
| NQ | 5.07 | 6.88 | 11.2 | 14.9 | 13.9 | 12.6 | 10.1 | 6.20 | 5.03 | 4.20 | 3.80 | 4.58 | 4.67 | 5.03 |
| MQ | 12.6 | 12.6 | 26.4 | 34.8 | 21.4 | 20.2 | 15.3 | 7.82 | 6.10 | 5.09 | 5.12 | 5.42 | 5.24 | 9.11 |
| HQ | 45.5 | 36.5 | 102 | 121 | 42.9 | 53.5 | 22.6 | 10.5 | 8.62 | 6.99 | 9.65 | 10.5 | 6.20 | 20.0 |
| Tag | 20. | 25. | 21. | 14. | 18. | 20. | 1. | 1. | 1. | 16. | 17. | 2. | 17. | 6. |
| $h_N$ mm | 64 | 40 | 78 | 62 | 33 | 71 | 61 | 31 | 65 | 55 | 61 | 29 | 39 | 59 |
| $h_A$ mm | 15 | 16 | 33 | 40 | 27 | 25 | 19 | 10 | 8 | 6 | 6 | 7 | 6 | 12 |

| | 1930/2004 | | 1931/2005 69 Jahre | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.31 | 9.53 | 11.9 | 13.8 | 14.7 | 13.4 | 9.19 | 7.00 | 5.65 | 5.13 | 4.82 | 5.29 | 7.18 | 9.47 |
| MQ | 14.1 | 21.5 | 27.0 | 28.7 | 27.9 | 21.3 | 13.9 | 11.3 | 9.17 | 7.46 | 7.01 | 8.93 | 13.6 | 21.6 |
| MHQ | 37.7 | 59.4 | 83.8 | 75.5 | 72.3 | 43.2 | 27.8 | 26.6 | 21.4 | 16.4 | 14.8 | 21.7 | 35.4 | 59.7 |
| HQ | 202 | 215 | 440 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 2003 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |

| | 1960/2004 | | 1961/2005 45 Jahre | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $Mh_N$ mm | 67 | 79 | 65 | 52 | 56 | 52 | 60 | 68 | 70 | 62 | 55 | 58 | 68 | 80 |
| $Mh_A$ mm | 17 | 27 | 34 | 33 | 35 | 26 | 18 | 14 | 12 | 9 | 8 | 11 | 17 | 27 |

| | Abflussjahr (*) 2005 Jahr | Datum | Winter | Sommer | Kalenderjahr 2005 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 3.80 | am 05.09.2005 | 5.07 | 3.80 | 3.80 | am 05.09.2005 |
| MQ m³/s | 14.3 | | 21.1 | 7.48 | 13.4 | |
| HQ m³/s | 121 | am 14.02.2005 bei W= 427 cm | 121 | 22.6 | 121 | am 14.02.2005 bei W= 427 cm |
| Nq l/(s km²) | 1.79 | | 2.39 | 1.79 | 1.79 | |
| Mq l/(s km²) | 6.72 | | 9.97 | 3.53 | 6.30 | |
| Hq l/(s km²) | 57.2 | | 57.2 | 10.6 | 57.2 | |
| $h_N$ mm | 650 | | 348 | 302 | 644 | |
| $h_A$ mm | 212 | | 158 | 55 | 212 | |
| | 1931/2005 (*) 70 Jahre | | | | 1931/2005 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.91 | | 6.41 | 4.14 | 4.10 | |
| MQ m³/s | 16.4 | | 23.3 | 9.58 | 16.4 | |
| MHQ m³/s | 140 | | 136 | 43.8 | 144 | |
| HQ m³/s | 440 | am 03.01.2003 bei W= 650 cm | 440 | 190 | 440 | am 03.01.2003 bei W= 650 cm |
| $HQ_1$ m³/s | 104 | | 99.7 | 32.7 | 102 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.84 | | 3.02 | 1.95 | 1.93 | |
| Mq l/(s km²) | 7.73 | | 11.0 | 4.52 | 7.74 | |
| MHq l/(s km²) | 66.1 | | 64.1 | 20.7 | 67.9 | |
| | 1961/2005 (*) 45 Jahre | | | | 1961/2005 | |
| $Mh_N$ mm | 745 | | 372 | 373 | 747 | |
| $Mh_A$ mm | 244 | | 176 | 71 | 244 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.236 | 08.07.1954 | 440 | 207 | | 03.01.2003 |
| 2 | | | | 351 | 165 | | 21.03.1940 |
| 3 | | | | 325 | 153 | | 23.02.1970 |
| 4 | | | | 317 | 149 | | 06.01.1982 |
| 5 | | | | 312 | 147 | | 08.02.1984 |
| 6 | | | | 303 | 143 | | 18.01.1939 |
| 7 | | | | 297 | 140 | | 24.01.1995 |
| 8 | | | | 237 | 112 | | 06.02.1980 |
| 9 | | | | 215 | 101 | | 25.12.1967 |
| 10 | | | | 206 | 97.3 | | 27.02.2002 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2005 | Kalenderjahr 2005 | 1931/2005 69 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 111 | 111 | 326 | 128 | 18.8 |
| 363 | 103 | 103 | 320 | 108 | 18.1 |
| 362 | 98.1 | 98.1 | 192 | 97.0 | 18.1 |
| 361 | 89.7 | 89.7 | 185 | 88.3 | 17.1 |
| 360 | 87.7 | 87.7 | 185 | 82.4 | 15.7 |
| 359 | 78.4 | 78.4 | 171 | 76.8 | 15.4 |
| 358 | 64.3 | 64.3 | 162 | 72.4 | 14.2 |
| 357 | 61.7 | 61.7 | 158 | 69.4 | 13.4 |
| 356 | 61.4 | 61.4 | 136 | 66.1 | 13.1 |
| 350 | 37.0 | 35.5 | 96.3 | 53.5 | 11.6 |
| 340 | 29.9 | 27.5 | 80.7 | 42.0 | 10.6 |
| 330 | 25.9 | 24.3 | 70.4 | 35.1 | 10.2 |
| 320 | 23.4 | 21.8 | 61.1 | 30.2 | 9.09 |
| 300 | 21.0 | 19.8 | 45.8 | 23.8 | 8.31 |
| 270 | 17.6 | 16.7 | 33.6 | 18.3 | 7.13 |
| 240 | 15.3 | 14.2 | 27.4 | 14.9 | 5.98 |
| 210 | 13.2 | 10.9 | 23.2 | 12.5 | 5.15 |
| 183 | 9.60 | 8.35 | 20.5 | 10.7 | 4.12 |
| 150 | 7.50 | 6.47 | 17.8 | 8.91 | 3.40 |
| 130 | 6.78 | 5.98 | 16.2 | 8.01 | 3.19 |
| 120 | 6.38 | 5.65 | 15.5 | 7.59 | 3.10 |
| 110 | 6.07 | 5.47 | 14.5 | 7.20 | 3.03 |
| 100 | 5.73 | 5.36 | 13.5 | 6.90 | 2.84 |
| 90 | 5.47 | 5.26 | 12.8 | 6.53 | 2.80 |
| 80 | 5.31 | 5.20 | 12.2 | 6.17 | 2.69 |
| 70 | 5.22 | 5.11 | 11.7 | 5.83 | 2.55 |
| 60 | 5.13 | 5.06 | 10.9 | 5.49 | 2.55 |
| 50 | 5.06 | 5.00 | 10.7 | 5.16 | 2.46 |
| 40 | 4.96 | 4.94 | 10.2 | 4.80 | 2.35 |
| 30 | 4.90 | 4.89 | 9.99 | 4.38 | 2.21 |
| 25 | 4.87 | 4.85 | 9.77 | 4.15 | 2.21 |
| 20 | 4.84 | 4.77 | 9.57 | 4.00 | 2.19 |
| 15 | 4.62 | 4.62 | 9.57 | 3.73 | 1.82 |
| 10 | 4.25 | 4.25 | 9.56 | 3.34 | 1.42 |
| 9 | 4.20 | 4.20 | 9.15 | 3.27 | 1.41 |
| 8 | 4.13 | 4.13 | 8.95 | 3.15 | 1.17 |
| 7 | 4.11 | 4.11 | 8.88 | 3.04 | 1.17 |
| 6 | 4.06 | 4.06 | 8.75 | 2.85 | 1.17 |
| 5 | 3.99 | 3.99 | 8.74 | 2.76 | 0.930 |
| 4 | 3.95 | 3.95 | 8.74 | 2.66 | 0.930 |
| 3 | 3.94 | 3.94 | 8.74 | 2.56 | 0.710 |
| 2 | 3.94 | 3.94 | 8.74 | 2.41 | 0.710 |
| 1 | 3.84 | 3.84 | 8.35 | 2.08 | 0.710 |
| 0 | 3.80 | 3.80 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Umwelt

$A_{Eo}$ : 2121 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 2003 Nov | 2003 Dez | 2004 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 5.40 | 6.29 | 8.04 | 17.8 | 11.6 | 10.1 | 7.39 | 9.70 | 6.88 | 4.48 | 8.55 | 6.73 | 5.32 | 11.9 |
| 2. | 5.38 | 5.92 | 7.61 | 35.2 | 11.2 | 9.88 | 8.03 | 9.49 | 5.09 | 4.44 | 6.79 | 6.44 | 5.21 | 11.4 |
| 3. | 5.07 | 5.49 | 7.16 | 45.0 | 11.2 | 9.58 | 10.9 | 9.01 | 6.65 | 4.35 | 5.80 | 6.40 | 5.18 | 10.6 |
| 4. | 5.59 | 5.47 | 6.68 | 43.2 | 11.0 | 9.33 | 9.80 | 8.66 | 6.97 | 4.22 | 5.31 | 5.97 | 5.07 | 10.2 |
| 5. | 5.58 | 5.31 | 6.65 | 32.1 | 10.6 | 9.43 | 9.78 | 8.96 | 6.46 | 4.10 | 5.07 | 5.70 | 5.25 | 9.56 |
| 6. | 5.15 | 5.23 | 6.80 | 26.3 | 10.4 | 11.1 | 9.23 | 9.40 | 6.06 | 4.05 | 4.87 | 5.59 | 5.14 | 9.18 |
| 7. | 5.02 | 5.08 | 7.07 | 23.3 | 10.3 | 13.3 | 19.7 | 8.66 | 5.82 | 3.98 | 4.70 | 5.88 | 5.31 | 8.84 |
| 8. | 4.86 | 5.12 | 7.46 | 23.1 | 10.5 | 13.4 | 52.1 | 8.04 | 6.22 | 3.95 | 4.66 | 5.74 | 5.45 | 8.66 |
| 9. | 4.84 | 5.07 | 7.62 | 29.0 | 9.96 | 14.4 | 57.9 | 7.53 | 8.51 | 3.75 | 4.53 | 6.12 | 5.29 | 8.34 |
| 10. | 4.74 | 5.02 | 11.1 | 25.7 | 9.77 | 13.4 | 63.2 | 7.02 | 7.14 | 3.74 | 4.39 | 5.75 | 6.13 | 8.08 |
| 11. | 4.80 | 5.01 | 13.4 | 24.6 | 9.65 | 12.5 | 54.8 | 7.08 | 5.86 | 3.76 | 4.39 | 5.44 | 6.56 | 7.76 |
| 12. | 4.70 | 5.18 | 28.0 | 28.1 | 9.60 | 11.7 | 29.1 | 8.13 | 5.88 | 3.91 | 4.89 | 5.28 | 6.49 | 7.50 |
| 13. | 4.76 | 5.88 | 57.8 | 25.9 | 9.43 | 10.9 | 22.4 | 8.21 | 5.41 | 5.09 | 5.77 | 5.20 | 7.08 | 7.34 |
| 14. | 4.79 | 11.2 | 63.9 | 24.0 | 9.64 | 10.4 | 19.4 | 7.68 | 5.34 | 6.53 | 5.51 | 5.15 | 7.71 | 7.13 |
| 15. | 4.80 | 14.5 | 62.6 | 24.9 | 9.73 | 9.93 | 17.3 | 7.06 | 5.34 | 6.16 | 4.93 | 5.40 | 7.50 | 6.95 |
| 16. | 4.95 | 14.5 | 51.6 | 24.3 | 10.8 | 9.53 | 15.7 | 6.67 | 5.42 | 4.91 | 4.78 | 5.56 | 6.89 | 6.88 |
| 17. | 7.25 | 10.8 | 39.0 | 22.0 | 13.3 | 9.18 | 14.4 | 6.70 | 5.59 | 4.54 | 4.56 | 5.56 | 6.69 | 7.12 |
| 18. | 8.41 | 9.18 | 31.3 | 20.1 | 13.2 | 9.07 | 13.4 | 7.05 | 6.54 | 5.20 | 4.51 | 5.74 | 10.5 | 12.0 |
| 19. | 6.99 | 8.38 | 24.5 | 18.8 | 13.1 | 9.78 | 12.6 | 7.11 | 6.06 | 5.58 | 4.48 | 6.02 | 31.4 | 14.7 |
| 20. | 6.01 | 7.78 | 22.3 | 17.3 | 14.1 | 9.69 | 11.8 | 6.97 | 6.69 | 5.68 | 4.43 | 5.66 | 42.8 | 12.7 |
| 21. | 5.67 | 8.78 | 21.4 | 16.3 | 17.0 | 8.75 | 11.3 | 7.30 | 4.67 | 5.19 | 4.52 | 6.72 | 27.9 | 10.0 |
| 22. | 5.46 | 18.1 | 17.9 | 15.7 | 17.0 | 8.26 | 11.1 | 7.33 | b 3.77 | 6.19 | 4.63 | 7.44 | 18.3 | 8.64 |
| 23. | 5.28 | 15.0 | 15.6 | 15.4 | 14.3 | 8.03 | 10.6 | 6.96 | b 4.97 | 5.66 | 11.2 | 6.62 | 24.9 | 9.04 |
| 24. | 5.28 | 11.0 | 14.3 | 14.4 | 13.2 | 8.09 | 10.1 | 6.60 | b 5.92 | 5.58 | 23.6 | 6.00 | 28.9 | 17.5 |
| 25. | 5.24 | 9.35 | 13.2 | 13.7 | 12.3 | 8.03 | 9.83 | 6.44 | b 5.94 | 7.29 | 16.0 | 5.69 | 20.4 | 32.4 |
| 26. | 5.13 | 8.52 | 12.5 | 13.6 | 11.7 | 7.74 | 9.41 | 5.96 | b 6.63 | 6.68 | 10.5 | 5.74 | 16.3 | 33.1 |
| 27. | 5.18 | 8.26 | 12.0 | 13.2 | 11.5 | 7.55 | 9.33 | 5.93 | b 6.03 | 5.85 | 9.29 | 5.58 | 14.3 | 25.7 |
| 28. | 5.77 | 8.53 | 11.5 | 12.6 | 11.5 | 7.38 | 8.95 | 5.94 | b 5.52 | 5.82 | 8.16 | 5.53 | 13.4 | 20.7 |
| 29. | 7.01 | 10.1 | 11.1 | 12.1 | 11.3 | 8.06 | 8.71 | 6.24 | 5.11 | 7.25 | 7.41 | 5.49 | 12.9 | 17.7 |
| 30. | 7.18 | 10.4 | 10.4 | | 10.7 | 7.99 | 8.42 | 6.22 | 4.79 | 7.94 | 6.98 | 5.41 | 12.5 | 15.5 |
| 31. | | 8.89 | 9.75 | | 10.3 | | 8.40 | | 4.57 | 9.66 | | 5.49 | | 14.2 |

## Hauptwerte

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 12. | 11. | 5. | 29. | 13. | 28. | 1. | 27. | 22. | 10. | 10. | 14. | 4. | 16. |
| NQ | 4.70 | 5.01 | 6.65 | 12.1 | 9.43 | 7.38 | 7.39 | 5.93 | 3.77 | 3.74 | 4.39 | 5.15 | 5.07 | 6.88 |
| MQ | 5.54 | 8.49 | 20.0 | 22.7 | 11.6 | 9.88 | 18.2 | 7.47 | 5.86 | 5.34 | 6.84 | 5.84 | 12.6 | 12.6 |
| HQ | 9.83 | 21.6 | 66.8 | 46.5 | 18.0 | 15.0 | 64.0 | 10.4 | 27.7 | 9.96 | 27.1 | 7.96 | 45.5 | 36.5 |
| Tag | 18. | 22. | 13. | 3. | 22. | 9. | 10. | 1. | 26. | 31. | 23. | 22. | 20. | 25. |
| $h_N$ mm | 43 | 55 | 98 | 35 | 25 | 37 | 92 | 52 | 95 | 103 | 72 | 36 | 64 | 40 |
| $h_A$ mm | 7 | 11 | 25 | 27 | 15 | 12 | 23 | 9 | 7 | 7 | 8 | 7 | 15 | 16 |
| | 1930/2003 | | 1931/2004 | | | | | | 68 Jahre | | | | | |
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.34 | 9.57 | 11.9 | 13.7 | 14.7 | 13.4 | 9.18 | 7.01 | 5.66 | 5.15 | 4.84 | 5.30 | 7.21 | 9.53 |
| MQ | 14.1 | 21.7 | 27.0 | 28.6 | 28.0 | 21.3 | 13.9 | 11.4 | 9.21 | 7.50 | 7.04 | 8.98 | 13.7 | 21.7 |
| MHQ | 37.6 | 59.7 | 83.6 | 74.8 | 72.8 | 43.0 | 27.9 | 26.9 | 21.6 | 16.5 | 14.9 | 21.9 | 35.8 | 60.3 |
| HQ | 202 | 215 | 440 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 2003 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |
| | 1960/2003 | | 1961/2004 | | | | | | 44 Jahre | | | | | |
| $Mh_N$ mm | 68 | 80 | 65 | 52 | 56 | 52 | 60 | 69 | 70 | 62 | 55 | 59 | 69 | 81 |
| $Mh_A$ mm | 17 | 27 | 34 | 34 | 35 | 26 | 18 | 14 | 12 | 9 | 9 | 11 | 17 | 27 |

| | | Abflussjahr (*) 2004 Jahr | Datum | Winter | Sommer | Kalenderjahr 2004 Jahr | Datum |
|---|---|---|---|---|---|---|---|
| NQ | m³/s | 3.74 | am 10.08.2004 | 4.70 | 3.74 | 3.74 | am 10.08.2004 |
| MQ | m³/s | 10.6 | | 13.0 | 8.27 | 11.5 | |
| HQ | m³/s | 66.8 | am 13.01.2004 bei W= 332 cm | 66.8 | 64.0 | 66.8 | am 13.01.2004 bei W= 332 cm |
| Nq | l/(s km²) | 1.76 | | 2.22 | 1.76 | 1.76 | |
| Mq | l/(s km²) | 5.01 | | 6.12 | 3.90 | 5.44 | |
| Hq | l/(s km²) | 31.5 | | 31.5 | 30.2 | 31.5 | |
| $h_N$ | mm | 743 | | 293 | 450 | 749 | |
| $h_A$ | mm | 158 | | 98 | 61 | 158 | |
| | | 1931/2004 (*) 69 Jahre | | | | 1931/2004 | |
| NQ | m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ | m³/s | 3.92 | | 6.43 | 4.14 | 4.10 | |
| MQ | m³/s | 16.4 | | 23.4 | 9.61 | 16.5 | |
| MHQ | m³/s | 140 | | 136 | 44.2 | 144 | |
| HQ | m³/s | 440 | am 03.01.2003 bei W= 650 cm | 440 | 190 | 440 | am 03.01.2003 bei W= 650 cm |
| $HQ_1$ | m³/s | 104 | | 98.8 | 33.1 | 101 | |
| $HQ_5$ | m³/s | | | | | | |
| MNq | l/(s km²) | 1.84 | | 3.03 | 1.95 | 1.93 | |
| Mq | l/(s km²) | 7.75 | | 11.0 | 4.53 | 7.77 | |
| MHq | l/(s km²) | 66.2 | | 64.2 | 20.8 | 68.0 | |
| | | 1961/2004 (*) 44 Jahre | | | | 1961/2004 | |
| $Mh_N$ | mm | 747 | | 373 | 374 | 750 | |
| $Mh_A$ | mm | 244 | | 175 | 71 | 246 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.236 | 08.07.1954 | 440 | 207 | | 03.01.2003 |
| 2 | | | | 351 | 165 | | 21.03.1940 |
| 3 | | | | 325 | 153 | | 23.02.1970 |
| 4 | | | | 317 | 149 | | 06.01.1982 |
| 5 | | | | 312 | 147 | | 08.02.1984 |
| 6 | | | | 303 | 143 | | 18.01.1939 |
| 7 | | | | 297 | 140 | | 24.01.1995 |
| 8 | | | | 237 | 112 | | 06.02.1980 |
| 9 | | | | 215 | 101 | | 25.12.1967 |
| 10 | | | | 206 | 97.3 | | 27.02.2002 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2004 | Kalenderjahr 2004 | 1931/2004 68 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | 63.9 | 63.9 | | | |
| 364 | 63.2 | 63.2 | 326 | 128 | 18.8 |
| 363 | 62.6 | 62.6 | 320 | 108 | 18.1 |
| 362 | 57.9 | 57.9 | 192 | 97.0 | 18.1 |
| 361 | 57.8 | 57.8 | 185 | 88.3 | 17.1 |
| 360 | 54.8 | 54.8 | 185 | 82.4 | 15.7 |
| 359 | 52.1 | 52.1 | 171 | 76.8 | 15.4 |
| 358 | 51.6 | 51.6 | 162 | 72.4 | 14.2 |
| 357 | 45.0 | 45.0 | 158 | 69.4 | 13.4 |
| 356 | 43.2 | 43.2 | 136 | 66.2 | 13.1 |
| 350 | 29.0 | 32.1 | 96.3 | 53.8 | 11.6 |
| 340 | 24.0 | 25.9 | 80.7 | 42.1 | 10.6 |
| 330 | 19.4 | 23.3 | 70.4 | 35.2 | 10.2 |
| 320 | 16.0 | 19.4 | 61.1 | 30.3 | 9.09 |
| 300 | 13.3 | 14.4 | 45.8 | 23.9 | 8.31 |
| 270 | 11.1 | 12.1 | 33.6 | 18.4 | 7.13 |
| 240 | 9.73 | 10.5 | 27.4 | 14.9 | 5.98 |
| 210 | 8.66 | 9.49 | 23.2 | 12.5 | 5.15 |
| 183 | 7.61 | 8.34 | 20.5 | 10.8 | 4.12 |
| 150 | 6.70 | 7.29 | 17.8 | 8.91 | 3.40 |
| 130 | 6.19 | 6.88 | 16.2 | 8.01 | 3.19 |
| 120 | 5.96 | 6.67 | 15.5 | 7.60 | 3.10 |
| 110 | 5.85 | 6.46 | 14.5 | 7.25 | 3.03 |
| 100 | 5.70 | 6.12 | 13.5 | 6.93 | 2.84 |
| 90 | 5.59 | 5.93 | 12.8 | 6.56 | 2.80 |
| 80 | 5.49 | 5.75 | 12.2 | 6.20 | 2.69 |
| 70 | 5.34 | 5.59 | 11.7 | 5.84 | 2.55 |
| 60 | 5.20 | 5.49 | 10.9 | 5.52 | 2.55 |
| 50 | 5.09 | 5.32 | 10.7 | 5.17 | 2.46 |
| 40 | 4.93 | 5.15 | 10.2 | 4.78 | 2.35 |
| 30 | 4.78 | 4.89 | 9.99 | 4.36 | 2.21 |
| 25 | 4.67 | 4.67 | 9.77 | 4.15 | 2.21 |
| 20 | 4.54 | 4.54 | 9.57 | 3.99 | 2.19 |
| 15 | 4.48 | 4.48 | 9.57 | 3.73 | 1.82 |
| 10 | 4.35 | 4.35 | 9.56 | 3.33 | 1.42 |
| 9 | 4.22 | 4.22 | 9.15 | 3.24 | 1.41 |
| 8 | 4.10 | 4.10 | 8.95 | 3.13 | 1.17 |
| 7 | 4.05 | 4.05 | 8.88 | 3.02 | 1.17 |
| 6 | 3.98 | 3.98 | 8.75 | 2.85 | 1.17 |
| 5 | 3.95 | 3.95 | 8.74 | 2.73 | 0.930 |
| 4 | 3.91 | 3.91 | 8.74 | 2.65 | 0.930 |
| 3 | 3.77 | 3.77 | 8.74 | 2.53 | 0.710 |
| 2 | 3.76 | 3.76 | 8.74 | 2.41 | 0.710 |
| 1 | 3.75 | 3.75 | 8.35 | 2.07 | 0.710 |
| 0 | 3.74 | 3.74 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Umwelt

$A_{Eo}$ : 2121 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 2002 Nov | 2002 Dez | 2003 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 20.4 | 40.1 | 110 | 34.9 | 17.7 | 14.4 | 10.7 | 8.98 | 5.78 | 4.91 | 4.14 | 4.11 | 5.40 | 6.29 |
| 2. | 21.2 | 45.5 | 142 | 31.1 | 23.7 | 15.6 | 10.3 | 8.62 | 6.25 | 4.82 | 4.01 | 3.95 | 5.38 | 5.92 |
| 3. | 33.9 | 38.7 | 320 | 32.9 | 47.3 | 18.1 | 10.2 | 8.16 | 6.44 | 4.68 | 3.88 | 3.97 | 5.07 | 5.49 |
| 4. | 48.9 | 29.2 | 326 | 42.0 | 51.7 | 16.2 | 10.1 | 8.05 | 6.91 | 4.70 | 3.89 | 4.02 | 5.59 | 5.47 |
| 5. | 47.1 | 25.7 | 160 | 38.8 | 48.8 | 15.0 | 9.79 | 7.70 | 6.99 | 4.44 | 3.87 | 4.28 | 5.58 | 5.31 |
| 6. | 32.9 | 23.7 | 110 | 33.5 | 44.0 | 14.3 | 9.87 | 7.45 | 6.80 | 4.39 | 3.87 | 4.07 | 5.15 | 5.23 |
| 7. | 24.4 | 21.6 | 84.1 | 30.1 | 42.7 | 13.9 | 9.70 | 7.32 | 6.16 | 4.27 | 4.12 | 5.13 | 5.02 | 5.08 |
| 8. | 22.1 | 20.1 | 63.1 | 28.3 | 41.7 | 13.5 | 9.74 | 7.15 | 6.06 | 4.11 | 4.04 | 6.70 | 4.86 | 5.12 |
| 9. | 42.4 | 18.6 | 51.9 | 27.7 | 35.3 | 13.2 | 11.9 | 6.91 | 6.14 | 4.08 | 4.40 | 7.12 | 4.84 | 5.07 |
| 10. | 50.0 | 17.0 | 44.7 | 26.9 | 32.5 | 13.2 | 14.5 | 6.80 | 6.01 | 4.08 | 4.37 | 6.36 | 4.74 | 5.02 |
| 11. | 63.1 | 15.9 | 39.7 | 25.0 | 30.5 | 13.1 | 11.7 | 6.91 | 5.32 | 3.96 | 4.55 | 5.12 | 4.80 | 5.01 |
| 12. | 61.6 | 15.2 | 36.5 | 23.6 | 30.2 | 12.8 | 11.4 | 7.02 | 5.04 | 3.98 | 5.03 | 4.80 | 4.70 | 5.18 |
| 13. | 63.0 | 14.9 | 34.0 | 22.8 | 31.8 | 12.5 | 12.4 | 7.40 | 4.91 | 3.96 | 4.82 | 4.57 | 4.76 | 5.88 |
| 14. | 47.4 | 14.7 | 32.8 | 21.7 | 27.2 | 12.3 | 11.6 | 7.08 | 4.84 | 3.75 | 4.39 | 4.48 | 4.79 | 11.2 |
| 15. | 34.2 | 14.4 | 33.9 | 20.8 | 24.6 | 11.9 | 11.1 | 7.01 | 4.74 | 3.88 | 3.96 | 4.31 | 4.80 | 14.5 |
| 16. | 31.3 | 14.5 | 34.9 | 20.1 | 23.0 | 11.6 | 10.4 | 6.48 | 4.74 | 3.80 | 4.04 | 4.26 | 4.95 | 14.5 |
| 17. | 28.0 | 14.6 | 34.1 | 19.4 | 21.7 | 11.2 | 9.96 | 6.30 | 4.84 | 3.76 | 3.93 | 4.53 | 7.25 | 10.8 |
| 18. | 25.3 | 14.2 | 32.1 | 18.7 | 20.9 | 11.0 | 9.96 | 6.83 | 4.78 | 3.81 | 3.84 | 4.49 | 8.41 | 9.18 |
| 19. | 22.8 | 13.7 | 30.1 | 18.4 | 20.0 | 10.9 | 14.4 | 8.85 | 4.76 | 3.71 | 3.85 | 4.36 | 6.99 | 8.38 |
| 20. | 22.3 | 13.0 | 29.9 | 18.3 | 19.3 | 11.1 | 17.9 | 7.85 | 4.63 | 3.96 | 3.73 | 4.59 | 6.01 | 7.78 |
| 21. | 21.6 | 13.0 | 31.9 | 18.0 | 18.8 | 11.0 | 16.4 | 6.93 | 4.64 | 3.76 | 3.66 | 5.01 | 5.67 | 8.78 |
| 22. | 20.1 | 15.9 | 32.1 | 17.6 | 18.1 | 10.9 | 13.5 | 6.59 | 4.58 | 3.70 | 3.68 | 5.35 | 5.46 | 18.1 |
| 23. | 19.7 | 45.9 | 31.7 | 17.2 | 17.4 | 11.0 | 12.3 | 6.39 | 4.73 | 3.73 | 3.95 | 4.87 | 5.28 | 15.0 |
| 24. | 19.6 | 54.9 | 38.9 | 16.9 | 16.8 | 11.0 | 11.6 | 6.40 | 4.75 | 3.59 | 3.83 | 4.35 | 5.28 | 11.0 |
| 25. | 18.2 | 46.4 | 38.5 | 16.6 | 16.5 | 10.4 | 10.8 | 6.28 | 5.03 | 3.52 | 3.90 | 4.44 | 5.24 | 9.35 |
| 26. | 17.2 | 36.6 | 33.4 | 16.5 | 16.4 | 10.3 | 10.4 | 5.96 | 5.50 | 3.58 | 3.80 | 4.68 | 5.13 | 8.52 |
| 27. | 16.5 | 40.5 | 32.6 | 16.6 | 16.2 | 10.7 | 10.6 | 5.88 | 5.17 | 3.65 | 3.71 | 4.50 | 5.18 | 8.26 |
| 28. | 15.5 | 43.3 | 38.2 | 16.8 | 15.9 | 11.1 | 9.86 | 5.83 | 7.80 | 3.67 | 3.76 | 4.69 | 5.77 | 8.53 |
| 29. | 16.3 | 38.9 | 48.5 | | 15.7 | 10.6 | 9.26 | 5.84 | 7.30 | 4.56 | 4.13 | 4.69 | 7.01 | 10.1 |
| 30. | 24.1 | 79.1 | 46.2 | | 15.3 | 10.5 | 8.90 | 5.58 | 5.88 | 5.11 | 4.29 | 4.89 | 7.18 | 10.4 |
| 31. | | 98.0 | 41.9 | | 15.0 | | 8.89 | | 5.10 | 4.56 | | 5.18 | | 8.89 |

## Hauptwerte

| | 2002 Nov | 2002 Dez | 2003 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 28. | 21. | 20. | 26. | 31. | 26. | 31. | 30. | 22. | 25. | 21. | 2. | 12. | 11. |
| NQ | 15.5 | 13.0 | 29.9 | 16.5 | 15.0 | 10.3 | 8.89 | 5.58 | 4.58 | 3.52 | 3.66 | 3.95 | 4.70 | 5.01 |
| MQ | 31.0 | 30.2 | 69.7 | 24.0 | 26.3 | 12.4 | 11.3 | 7.02 | 5.57 | 4.08 | 4.05 | 4.77 | 5.54 | 8.49 |
| HQ | 73.4 | 100 | 440 | 42.8 | 52.8 | 18.6 | 18.2 | 11.9 | 9.31 | 6.51 | 6.58 | 8.38 | 9.83 | 21.6 |
| Tag | 11. | 31. | 3. | 4. | 3. | 3. | 20. | 19. | 28. | 29. | 24. | 9. | 18. | 22. |
| $h_N$ mm | 104 | 82 | 90 | 26 | 23 | 25 | 74 | 32 | 50 | 21 | 30 | 60 | 43 | 55 |
| $h_A$ mm | 38 | 38 | 88 | 27 | 33 | 15 | 14 | 8 | 7 | 5 | 5 | 6 | 7 | 11 |
| | 1930/2002 | | 1931/2003 | | | | | | 67 Jahre | | | | | |
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.38 | 9.64 | 12.0 | 13.8 | 14.8 | 13.5 | 9.20 | 7.03 | 5.68 | 5.17 | 4.84 | 5.30 | 7.24 | 9.58 |
| MQ | 14.3 | 21.9 | 27.1 | 28.7 | 28.2 | 21.5 | 13.8 | 11.4 | 9.26 | 7.53 | 7.04 | 9.03 | 13.7 | 21.9 |
| MHQ | 38.0 | 60.3 | 83.8 | 75.2 | 73.6 | 43.5 | 27.4 | 27.1 | 21.5 | 16.6 | 14.7 | 22.1 | 35.7 | 60.7 |
| HQ | 202 | 215 | 440 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 2003 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |
| | 1960/2002 | | 1961/2003 | | | | | | 43 Jahre | | | | | |
| $Mh_N$ mm | 68 | 81 | 64 | 53 | 57 | 52 | 59 | 70 | 69 | 61 | 54 | 59 | 69 | 82 |
| $Mh_A$ mm | 17 | 28 | 34 | 33 | 36 | 26 | 17 | 14 | 12 | 10 | 9 | 11 | 17 | 28 |

| | Abflussjahr (*) 2003 Jahr | Datum | Winter | Sommer | Kalenderjahr 2003 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 3.52 | am 25.08.2003 | 10.3 | 3.52 | 3.52 | am 25.08.2003 |
| MQ m³/s | 19.2 | | 32.6 | 6.14 | 15.3 | |
| HQ m³/s | 440 | am 03.01.2003 bei W= 650 cm | 440 | 18.2 | 440 | am 03.01.2003 bei W= 650 cm |
| Nq l/(s km²) | 1.66 | | 4.84 | 1.66 | 1.66 | |
| Mq l/(s km²) | 9.07 | | 15.3 | 2.89 | 7.21 | |
| Hq l/(s km²) | 207 | | 207 | 8.58 | 207 | |
| $h_N$ mm | 617 | | 350 | 267 | 529 | |
| $h_A$ mm | 286 | | 244 | 45 | 286 | |
| | 1931/2003 (*) 68 Jahre | | | | 1931/2003 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.92 | | 6.46 | 4.15 | 4.10 | |
| MQ m³/s | 16.5 | | 23.5 | 9.63 | 16.5 | |
| MHQ m³/s | 142 | | 137 | 43.9 | 145 | |
| HQ m³/s | 440 | am 03.01.2003 bei W= 650 cm | 440 | 190 | 440 | am 03.01.2003 bei W= 650 cm |
| $HQ_1$ m³/s | 104 | | 99.7 | 33.1 | 104 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.85 | | 3.04 | 1.96 | 1.94 | |
| Mq l/(s km²) | 7.79 | | 11.1 | 4.54 | 7.80 | |
| MHq l/(s km²) | 66.7 | | 64.7 | 20.7 | 68.6 | |
| | 1961/2003 (*) 43 Jahre | | | | 1961/2003 | |
| $Mh_N$ mm | 747 | | 375 | 372 | 750 | |
| $Mh_A$ mm | 246 | | 176 | 71 | 246 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.236 | 08.07.1954 | 440 | 207 | | 03.01.2003 |
| 2 | | | | 351 | 165 | | 21.03.1940 |
| 3 | | | | 325 | 153 | | 23.02.1970 |
| 4 | | | | 317 | 149 | | 06.01.1982 |
| 5 | | | | 312 | 147 | | 08.02.1984 |
| 6 | | | | 303 | 143 | | 18.01.1939 |
| 7 | | | | 297 | 140 | | 24.01.1995 |
| 8 | | | | 237 | 112 | | 06.02.1980 |
| 9 | | | | 215 | 101 | | 25.12.1967 |
| 10 | | | | 206 | 97.3 | | 27.02.2002 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2003 | Kalenderjahr 2003 | 1931/2003 67 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 326 | 326 | 326 | 131 | 18.8 |
| 363 | 320 | 320 | 320 | 109 | 18.1 |
| 362 | 160 | 160 | 192 | 97.6 | 18.1 |
| 361 | 142 | 142 | 185 | 88.7 | 17.1 |
| 360 | 110 | 110 | 185 | 83.2 | 15.7 |
| 359 | 110 | 110 | 171 | 77.3 | 15.4 |
| 358 | 98.0 | 84.1 | 162 | 72.5 | 14.2 |
| 357 | 84.1 | 63.1 | 158 | 69.7 | 13.4 |
| 356 | 79.1 | 51.9 | 136 | 66.5 | 13.1 |
| 350 | 51.9 | 44.7 | 96.3 | 53.8 | 11.6 |
| 340 | 46.2 | 38.2 | 80.7 | 42.4 | 10.6 |
| 330 | 41.7 | 32.9 | 70.4 | 35.4 | 10.2 |
| 320 | 36.6 | 30.5 | 61.1 | 30.4 | 9.09 |
| 300 | 31.8 | 20.0 | 45.8 | 24.1 | 8.31 |
| 270 | 21.7 | 15.3 | 33.6 | 18.5 | 7.13 |
| 240 | 17.0 | 11.1 | 27.4 | 15.0 | 5.98 |
| 210 | 14.4 | 9.79 | 23.2 | 12.6 | 5.15 |
| 183 | 11.1 | 7.30 | 20.5 | 10.8 | 4.12 |
| 150 | 8.62 | 6.01 | 17.8 | 8.94 | 3.40 |
| 130 | 6.83 | 5.35 | 16.2 | 8.03 | 3.19 |
| 120 | 6.30 | 5.17 | 15.5 | 7.62 | 3.10 |
| 110 | 5.84 | 5.07 | 14.5 | 7.28 | 3.03 |
| 100 | 5.12 | 4.91 | 13.5 | 6.94 | 2.84 |
| 90 | 4.87 | 4.80 | 12.8 | 6.57 | 2.80 |
| 80 | 4.74 | 4.73 | 12.2 | 6.21 | 2.69 |
| 70 | 4.58 | 4.58 | 11.7 | 5.85 | 2.55 |
| 60 | 4.44 | 4.44 | 10.9 | 5.52 | 2.55 |
| 50 | 4.27 | 4.27 | 10.7 | 5.16 | 2.46 |
| 40 | 4.04 | 4.04 | 10.2 | 4.76 | 2.35 |
| 30 | 3.95 | 3.95 | 9.99 | 4.36 | 2.21 |
| 25 | 3.88 | 3.88 | 9.77 | 4.14 | 2.21 |
| 20 | 3.84 | 3.84 | 9.57 | 3.97 | 2.19 |
| 15 | 3.80 | 3.80 | 9.57 | 3.73 | 1.82 |
| 10 | 3.73 | 3.73 | 9.56 | 3.33 | 1.42 |
| 9 | 3.71 | 3.71 | 9.15 | 3.21 | 1.41 |
| 8 | 3.71 | 3.71 | 8.95 | 3.10 | 1.17 |
| 7 | 3.70 | 3.70 | 8.88 | 3.00 | 1.17 |
| 6 | 3.68 | 3.68 | 8.75 | 2.85 | 1.17 |
| 5 | 3.67 | 3.67 | 8.74 | 2.73 | 0.930 |
| 4 | 3.66 | 3.66 | 8.74 | 2.65 | 0.930 |
| 3 | 3.65 | 3.65 | 8.74 | 2.51 | 0.710 |
| 2 | 3.59 | 3.59 | 8.74 | 2.41 | 0.710 |
| 1 | 3.58 | 3.58 | 8.35 | 2.07 | 0.710 |
| 0 | 3.52 | 3.52 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Umwelt

$A_{Eo}$ : 2121 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster  Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 7.12 | 46.5 | 17.2 | 55.7 | 133 | 28.0 | 16.3 | 11.8 | 7.62 | 9.36 | 6.94 | 5.33 | 20.4 | 40.1 |
| 2. | 7.11 | 48.7 | 15.6 | 43.6 | 106 | 26.9 | 16.1 | 11.3 | 7.67 | 9.78 | 6.38 | 5.38 | 21.2 | 45.5 |
| 3. | 6.68 | 40.3 | 14.6 | 38.0 | 80.1 | 26.1 | 16.5 | 11.0 | 7.78 | 7.41 | 5.90 | 5.21 | 33.9 | 38.7 |
| 4. | 6.56 | 32.5 | 12.3 | 34.4 | 65.3 | 25.2 | 20.6 | 10.7 | 7.72 | 6.88 | 5.86 | 5.36 | 48.9 | 29.2 |
| 5. | 6.58 | 35.6 | R 11.2 | 31.7 | 57.2 | 24.3 | 27.4 | 10.4 | 7.44 | 7.31 | 5.86 | 5.52 | 47.1 | 25.7 |
| 6. | 6.42 | 39.9 | R 11.0 | 31.9 | 51.5 | 23.2 | 24.0 | 18.3 | 7.36 | 7.24 | 5.76 | 6.55 | 32.9 | 23.7 |
| 7. | 7.02 | 42.6 | R 10.9 | 30.8 | 48.1 | 22.3 | 21.8 | 23.9 | 7.02 | 7.03 | 5.72 | 7.61 | 24.4 | 21.6 |
| 8. | 21.1 | 34.4 | R 10.8 | 28.2 | 48.2 | 21.8 | 19.4 | 19.1 | 7.19 | 7.84 | 5.69 | 6.82 | 22.1 | 20.1 |
| 9. | 47.5 | 27.5 | R 10.7 | 28.0 | 44.5 | 21.2 | 17.7 | 16.2 | 6.86 | 8.15 | 5.56 | 6.09 | 42.4 | 18.6 |
| 10. | 29.7 | 24.0 | R 10.5 | 42.8 | 40.6 | 20.5 | 17.3 | 13.8 | 7.01 | 8.19 | 5.99 | 5.80 | 50.0 | 17.0 |
| 11. | 18.0 | 21.8 | 10.4 | 53.9 | 38.0 | 20.0 | 30.6 | 13.3 | 8.56 | 10.2 | 7.37 | 5.83 | 63.1 | 15.9 |
| 12. | 14.9 | 20.2 | 10.2 | 63.2 | 35.8 | 19.8 | 41.7 | 12.7 | 8.99 | 8.76 | 10.4 | 5.79 | 61.6 | 15.2 |
| 13. | 14.3 | 18.9 | 10.2 | 113 | 34.2 | 19.6 | 35.9 | 11.6 | 7.62 | 8.18 | 7.25 | 5.64 | 63.0 | 14.9 |
| 14. | 15.3 | 17.0 | 10.0 | 136 | 32.9 | 20.7 | 29.0 | 11.0 | 13.7 | 7.78 | 6.06 | 5.66 | 47.4 | 14.7 |
| 15. | 13.1 | 15.2 | 10.0 | 144 | 32.1 | 21.4 | 22.8 | 10.7 | 13.3 | 7.24 | 5.82 | 5.64 | 34.2 | 14.4 |
| 16. | 11.7 | 14.8 | 9.92 | 107 | 31.0 | 19.9 | 19.7 | 10.5 | 9.01 | 6.82 | 5.68 | 6.91 | 31.3 | 14.5 |
| 17. | 10.8 | 14.1 | 9.71 | 72.9 | 29.6 | 19.3 | 17.9 | 9.94 | 8.54 | 6.74 | 5.64 | 10.9 | 28.0 | 14.6 |
| 18. | 10.3 | 13.7 | 9.53 | 56.6 | 28.6 | 18.8 | 16.9 | 9.43 | 11.0 | 7.61 | 5.64 | 10.8 | 25.3 | 14.2 |
| 19. | 9.92 | 13.3 | 9.66 | 49.4 | 33.3 | 18.3 | 18.2 | 9.30 | 10.4 | 7.86 | 5.58 | 9.06 | 22.8 | 13.7 |
| 20. | 9.60 | 13.1 | 13.1 | 70.6 | 42.6 | 18.2 | 18.5 | 9.09 | 8.48 | 6.76 | 5.55 | 8.69 | 22.3 | 13.0 |
| 21. | 9.31 | 12.5 | 54.4 | 97.0 | 61.3 | 18.2 | 16.3 | 9.77 | 7.70 | 6.79 | 5.37 | 8.14 | 21.6 | 13.0 |
| 22. | 9.38 | 12.5 | 76.1 | 95.3 | 69.9 | 17.0 | 15.0 | 9.78 | 7.21 | 6.65 | 5.57 | 11.8 | 20.1 | 15.9 |
| 23. | 18.6 | 12.1 | 76.7 | 86.2 | 79.0 | 16.2 | 14.5 | 9.05 | 7.12 | 6.35 | 5.84 | 20.6 | 19.7 | 45.9 |
| 24. | 16.9 | 11.1 | 72.8 | 83.2 | 68.7 | 16.2 | 15.5 | 8.55 | 7.23 | 6.35 | 5.81 | 25.7 | 19.6 | 54.9 |
| 25. | 15.2 | 11.3 | 65.6 | 87.4 | 51.4 | 17.1 | 16.0 | 8.22 | 7.25 | 8.19 | 5.37 | 19.3 | 18.2 | 46.4 |
| 26. | 16.4 | 14.9 | 59.9 | 108 | 41.2 | 16.8 | 14.1 | 7.99 | 7.22 | 6.84 | 5.79 | 39.9 | 17.2 | 36.6 |
| 27. | 27.8 | 13.6 | 66.6 | 161 | 37.2 | 17.0 | 13.5 | 7.89 | 7.26 | 6.16 | 6.30 | 56.9 | 16.5 | 40.5 |
| 28. | 33.2 | 14.5 | 97.6 | 180 | 34.2 | 17.9 | 14.7 | 7.85 | 7.03 | 8.88 | 6.00 | 58.1 | 15.5 | 43.3 |
| 29. | 30.2 | 27.3 | 132 | | 32.0 | 17.9 | 15.4 | 7.72 | 6.79 | 8.60 | 5.54 | 52.7 | 16.3 | 38.9 |
| 30. | 40.3 | 26.5 | 109 | | 30.5 | 17.3 | 13.8 | 7.66 | 6.55 | 8.37 | 5.45 | 31.1 | 24.1 | 79.1 |
| 31. | | 20.4 | 79.5 | | 29.2 | | 12.6 | | 7.40 | 7.71 | | 23.3 | | 98.0 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 6. | 24. | 18. | 9. | 18. | 24. | 31. | 30. | 30. | 27. | 21. | 3. | 28. | 21. |
| NQ | 6.42 | 11.1 | 9.53 | 28.0 | 28.6 | 16.2 | 12.6 | 7.66 | 6.55 | 6.16 | 5.37 | 5.21 | 15.5 | 13.0 |
| MQ | 16.4 | 22.9 | 36.1 | 76.1 | 49.9 | 20.2 | 19.7 | 11.3 | 8.13 | 7.68 | 6.06 | 15.6 | 31.0 | 30.2 |
| HQ | 51.7 | 51.0 | 154 | 206 | 161 | 28.5 | 48.8 | 26.6 | 20.4 | 13.8 | 12.8 | 70.0 | 73.4 | 100 |
| Tag | 9. | 2. | 29. | 27. | 1. | 1. | 12. | 7. | 14. | 1. | 12. | 27. | 11. | 31. |
| $h_N$ mm | 96 | 76 | 49 | 148 | 50 | 39 | 86 | 52 | 76 | 77 | 37 | 145 | 104 | 82 |
| $h_A$ mm | 20 | 29 | 46 | 87 | 63 | 25 | 25 | 14 | 10 | 10 | 7 | 20 | 38 | 38 |

| | 1930/2001 | | 1931/2002 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.26 | 9.59 | 11.7 | 13.7 | 14.8 | 13.6 | 9.21 | 7.05 | 5.70 | 5.19 | 4.86 | 5.32 | 7.28 | 9.64 |
| MQ | 14.0 | 21.7 | 26.5 | 28.8 | 28.3 | 21.6 | 13.9 | 11.5 | 9.32 | 7.58 | 7.09 | 9.10 | 13.9 | 22.1 |
| MHQ | 37.5 | 59.7 | 78.4 | 75.7 | 73.9 | 43.8 | 27.5 | 27.4 | 21.7 | 16.7 | 14.8 | 22.3 | 36.1 | 61.2 |
| HQ | 202 | 215 | 317 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 1982 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |

| | 1960/2001 | | 1961/2002 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $Mh_N$ mm | 67 | 80 | 64 | 53 | 58 | 53 | 58 | 70 | 70 | 62 | 55 | 59 | 70 | 82 |
| $Mh_A$ mm | 17 | 27 | 33 | 33 | 36 | 26 | 17 | 14 | 12 | 10 | 9 | 11 | 17 | 28 |

| | Abflussjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 5.21 | am 03.10.2002 | 6.42 | 5.21 | 5.21 | am 03.10.2002 |
| MQ m³/s | 23.9 | | 36.5 | 11.4 | 25.7 | |
| HQ m³/s | 206 | am 27.02.2002 bei W= 509 cm | 206 | 70.0 | 206 | am 27.02.2002 bei W= 509 cm |
| Nq l/(s km²) | 2.46 | | 3.03 | 2.46 | 2.46 | |
| Mq l/(s km²) | 11.2 | | 17.2 | 5.39 | 12.1 | |
| Hq l/(s km²) | 97.3 | | 97.3 | 33.0 | 97.3 | |
| $h_N$ mm | 931 | | 458 | 473 | 945 | |
| $h_A$ mm | 355 | | 273 | 84 | 355 | |
| | 1931/2002 (*) 67 Jahre | | | | 1931/2002 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.92 | | 6.40 | 4.16 | 4.11 | |
| MQ m³/s | 16.5 | | 23.4 | 9.68 | 16.6 | |
| MHQ m³/s | 137 | | 133 | 44.2 | 141 | |
| HQ m³/s | 351 | am 21.03.1940 | 351 | 190 | 351 | am 21.03.1940 |
| $HQ_1$ m³/s | 104 | | 99.7 | 33.2 | 104 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.85 | | 3.02 | 1.96 | 1.94 | |
| Mq l/(s km²) | 7.77 | | 11.0 | 4.56 | 7.81 | |
| MHq l/(s km²) | 64.6 | | 62.6 | 20.9 | 66.5 | |
| | 1961/2002 (*) 42 Jahre | | | | 1961/2002 | |
| $Mh_N$ mm | 750 | | 376 | 375 | 755 | |
| $Mh_A$ mm | 245 | | 175 | 71 | 246 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.236 | 08.07.1954 | 351 | 165 | | 21.03.1940 |
| 2 | | | | 325 | 153 | | 23.02.1970 |
| 3 | | | | 317 | 149 | | 06.01.1982 |
| 4 | | | | 312 | 147 | | 08.02.1984 |
| 5 | | | | 303 | 143 | | 18.01.1939 |
| 6 | | | | 297 | 140 | | 24.01.1995 |
| 7 | | | | 237 | 112 | | 06.02.1980 |
| 8 | | | | 215 | 101 | | 25.12.1967 |
| 9 | | | | 206 | 97.3 | | 27.02.2002 |
| 10 | | | | 206 | 97.1 | | 21.03.1942 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abfluss-jahr (*) 2002 | Kalender jahr 2002 | 1931/2002 66 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 180 | 180 | 304 | 128 | 18.8 |
| 363 | 161 | 161 | 243 | 108 | 18.1 |
| 362 | 144 | 144 | 192 | 97.2 | 18.1 |
| 361 | 136 | 136 | 185 | 88.4 | 17.1 |
| 360 | 133 | 133 | 185 | 82.9 | 15.7 |
| 359 | 132 | 132 | 171 | 77.3 | 15.4 |
| 358 | 113 | 113 | 162 | 72.5 | 14.2 |
| 357 | 109 | 109 | 158 | 69.9 | 13.4 |
| 356 | 108 | 108 | 136 | 66.6 | 13.1 |
| 350 | 87.4 | 95.3 | 96.3 | 54.0 | 11.6 |
| 340 | 70.6 | 72.9 | 80.7 | 42.4 | 10.6 |
| 330 | 57.2 | 63.0 | 70.4 | 35.4 | 10.2 |
| 320 | 48.7 | 54.4 | 61.1 | 30.4 | 9.09 |
| 300 | 35.9 | 42.4 | 45.8 | 24.1 | 8.31 |
| 270 | 27.5 | 30.8 | 33.6 | 18.5 | 7.13 |
| 240 | 19.8 | 22.3 | 27.4 | 15.0 | 5.98 |
| 210 | 16.8 | 18.3 | 23.2 | 12.6 | 5.15 |
| 183 | 13.8 | 16.2 | 20.5 | 10.8 | 4.12 |
| 150 | 10.8 | 12.3 | 17.8 | 9.00 | 3.40 |
| 130 | 9.78 | 10.4 | 16.2 | 8.07 | 3.19 |
| 120 | 9.31 | 9.78 | 15.5 | 7.69 | 3.10 |
| 110 | 8.60 | 9.06 | 14.5 | 7.34 | 3.03 |
| 100 | 8.15 | 8.54 | 13.5 | 6.97 | 2.84 |
| 90 | 7.72 | 7.89 | 12.8 | 6.58 | 2.80 |
| 80 | 7.41 | 7.67 | 12.2 | 6.26 | 2.69 |
| 70 | 7.23 | 7.36 | 11.7 | 5.92 | 2.55 |
| 60 | 7.02 | 7.19 | 10.9 | 5.58 | 2.55 |
| 50 | 6.79 | 6.84 | 10.7 | 5.21 | 2.46 |
| 40 | 6.38 | 6.38 | 10.2 | 4.81 | 2.35 |
| 30 | 5.86 | 5.86 | 9.99 | 4.37 | 2.21 |
| 25 | 5.81 | 5.81 | 9.77 | 4.15 | 2.21 |
| 20 | 5.72 | 5.72 | 9.57 | 3.99 | 2.19 |
| 15 | 5.64 | 5.64 | 9.57 | 3.72 | 1.82 |
| 10 | 5.56 | 5.56 | 9.56 | 3.31 | 1.42 |
| 9 | 5.55 | 5.55 | 9.15 | 3.20 | 1.41 |
| 8 | 5.54 | 5.54 | 8.95 | 3.10 | 1.17 |
| 7 | 5.52 | 5.52 | 8.88 | 2.99 | 1.17 |
| 6 | 5.45 | 5.45 | 8.75 | 2.84 | 1.17 |
| 5 | 5.38 | 5.38 | 8.74 | 2.73 | 0.930 |
| 4 | 5.37 | 5.37 | 8.74 | 2.62 | 0.930 |
| 3 | 5.37 | 5.37 | 8.74 | 2.51 | 0.710 |
| 2 | 5.36 | 5.36 | 8.74 | 2.41 | 0.710 |
| 1 | 5.33 | 5.33 | 8.35 | 2.07 | 0.710 |
| 0 | 5.21 | 5.21 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Wasserwirtschaft

$A_{Eo}$ : 2121 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster  Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 2000 Nov | 2000 Dez | 2001 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 13.5 | 15.1 | 12.7 | 33.5 | 22.7 | 49.9 | 22.7 | 11.4 | 9.23 | 5.54 | 5.96 | 8.50 | 7.12 | 46.5 |
| 2. | 15.7 | 13.5 | 12.5 | 31.0 | 22.6 | 44.0 | 21.0 | 11.6 | 9.49 | 5.43 | 5.56 | 9.48 | 7.11 | 48.7 |
| 3. | 16.2 | 13.3 | 13.5 | 29.5 | 22.6 | 40.8 | 20.0 | 12.9 | 8.31 | 5.54 | 5.35 | 11.1 | 6.68 | 40.3 |
| 4. | 17.4 | 12.4 | 16.5 | 32.4 | 22.9 | 38.8 | 19.4 | 12.2 | 7.42 | 7.38 | 5.78 | 9.78 | 6.56 | 32.5 |
| 5. | 15.4 | 12.0 | 34.2 | 76.4 | 27.7 | 38.2 | 19.1 | 11.3 | 7.38 | 7.86 | 6.57 | 9.11 | 6.58 | 35.6 |
| 6. | 13.3 | 11.7 | 78.6 | 116 | 29.4 | 36.0 | 19.4 | 11.0 | 7.18 | 6.86 | 6.70 | 8.42 | 6.42 | 39.9 |
| 7. | 14.8 | 11.3 | 99.8 | 148 | 28.2 | 35.6 | 18.3 | 11.4 | 7.07 | 7.18 | 6.69 | 8.50 | 7.02 | 42.6 |
| 8. | 14.8 | 11.0 | 105 | 111 | 28.8 | 34.9 | 17.8 | 11.5 | 7.22 | 7.04 | 6.54 | 9.49 | 21.1 | 34.4 |
| 9. | 12.7 | 11.0 | 65.6 | 81.9 | 33.1 | 32.1 | 17.1 | 11.3 | 7.38 | 6.28 | 7.32 | 8.80 | 47.5 | 27.5 |
| 10. | 11.5 | 10.7 | 42.6 | 59.3 | 38.9 | 31.3 | 16.4 | 10.8 | 7.28 | 5.85 | 6.88 | 8.09 | 29.7 | 24.0 |
| 11. | 10.5 | 13.4 | 42.1 | 46.7 | 40.5 | 33.8 | 15.9 | 11.1 | 7.06 | 5.95 | 7.34 | 7.55 | 18.0 | 21.8 |
| 12. | 9.63 | 18.2 | 41.7 | 40.6 | 47.1 | 33.5 | 15.5 | 10.6 | 7.06 | 5.75 | 7.32 | 7.04 | 14.9 | 20.2 |
| 13. | 13.2 | 20.7 | 35.8 | 39.4 | 57.7 | 29.9 | 15.2 | 10.3 | 7.15 | 5.75 | 6.89 | 6.94 | 14.3 | 18.9 |
| 14. | 23.6 | 28.9 | 30.1 | 41.0 | 59.2 | 28.1 | 15.0 | 9.88 | 7.19 | 5.68 | 11.6 | 6.86 | 15.3 | 17.0 |
| 15. | 26.2 | 55.0 | 26.9 | 36.8 | 56.0 | 28.0 | 16.1 | 10.0 | 7.63 | 5.53 | 12.6 | 6.59 | 13.1 | 15.2 |
| 16. | 25.4 | 56.4 | 25.0 | 34.2 | 51.9 | 33.9 | 15.5 | 10.9 | 12.1 | 5.38 | 8.99 | 6.60 | 11.7 | 14.8 |
| 17. | 19.8 | 40.7 | 23.2 | 32.9 | 48.9 | 34.9 | 16.6 | 14.1 | 14.3 | 5.29 | 8.66 | 6.39 | 10.8 | 14.1 |
| 18. | 18.0 | 29.7 | 22.0 | 31.3 | 49.0 | 32.3 | 17.5 | 13.6 | 9.87 | 5.23 | 8.33 | 6.50 | 10.3 | 13.7 |
| 19. | 16.3 | 25.2 | 21.0 | 29.3 | 55.5 | 32.2 | 15.8 | 14.5 | 8.72 | 5.45 | 7.45 | 6.42 | 9.92 | 13.3 |
| 20. | 15.5 | 22.4 | 20.0 | 28.3 | 57.7 | 30.3 | 15.1 | 12.3 | 8.45 | 6.18 | 10.9 | 6.24 | 9.60 | 13.1 |
| 21. | 14.8 | 19.4 | 19.2 | 27.5 | 53.6 | 28.5 | 14.3 | 10.5 | 7.37 | 6.93 | 18.5 | 6.45 | 9.31 | 12.5 |
| 22. | 13.8 | 17.1 | 19.6 | 27.1 | 69.9 | 28.1 | 13.9 | 9.70 | 6.97 | 6.15 | 14.3 | 6.86 | 9.38 | 12.5 |
| 23. | 14.5 | 15.4 | 20.4 | 27.9 | 96.2 | 26.7 | 13.4 | 9.33 | 6.64 | 5.50 | 10.6 | 6.75 | 18.6 | 12.1 |
| 24. | 14.4 | 14.3 | 38.2 | 28.0 | 111 | 25.5 | 13.2 | 9.10 | 6.65 | 5.25 | 9.29 | 6.93 | 16.9 | 11.1 |
| 25. | 13.0 | 14.3 | 65.0 | 26.1 | 114 | 24.6 | 12.5 | 8.67 | 6.91 | 5.26 | 9.20 | 7.20 | 15.2 | 11.3 |
| 26. | 13.0 | 14.5 | 82.3 | 24.8 | 115 | 26.0 | 12.2 | 8.47 | 6.38 | 5.07 | 8.67 | 7.22 | 16.4 | 14.9 |
| 27. | 14.8 | 15.1 | 78.4 | 23.9 | 100 | 24.8 | 12.1 | 8.16 | 6.05 | 4.89 | 7.82 | 6.78 | 27.8 | 13.6 |
| 28. | 14.8 | 15.9 | 68.0 | 23.2 | 88.4 | 24.2 | 12.0 | 8.27 | 6.01 | 5.01 | 7.93 | 6.68 | 33.2 | 14.5 |
| 29. | 16.5 | 15.2 | 56.6 | | 70.9 | 24.5 | 11.9 | 9.71 | 5.81 | 5.00 | 7.39 | 8.31 | 30.2 | 27.3 |
| 30. | 16.5 | 14.1 | 42.8 | | 62.5 | 24.5 | 11.5 | 8.86 | 5.66 | 5.21 | 7.59 | 8.14 | 40.3 | 26.5 |
| 31. | | 13.3 | 36.8 | | 57.2 | | 11.3 | | 5.70 | 5.59 | | 7.33 | | 20.4 |

## Hauptwerte

| | 2000 Nov | 2000 Dez | 2001 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 12. | 10. | 2. | 28. | 2.+ | 28. | 31. | 27. | 30. | 27. | 3. | 20. | 6. | 24. |
| NQ | 9.63 | 10.7 | 12.5 | 23.2 | 22.6 | 24.2 | 11.3 | 8.16 | 5.66 | 4.89 | 5.35 | 6.24 | 6.42 | 11.1 |
| MQ | 15.6 | 19.4 | 41.8 | 46.0 | 56.1 | 31.9 | 15.7 | 10.8 | 7.67 | 5.84 | 8.49 | 7.65 | 16.4 | 22.9 |
| HQ | 30.2 | 63.0 | 120 | 170 | 121 | 53.6 | 23.7 | 14.8 | 15.4 | 9.13 | 19.5 | 12.3 | 51.7 | 51.0 |
| Tag | 14. | 15. | 7. | 7. | 25. | 1. | 1. | 19. | 16. | 5. | 21. | 3. | 9. | 2. |
| $h_N$ mm | 61 | 56 | 90 | 55 | 123 | 52 | 27 | 82 | 56 | 49 | 117 | 46 | 96 | 76 |
| $h_A$ mm | 19 | 24 | 53 | 52 | 71 | 39 | 20 | 13 | 10 | 7 | 10 | 10 | 20 | 29 |

| | 1930/2000 | | 1931/2001 (65 Jahre) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.28 | 9.56 | 11.7 | 13.5 | 14.6 | 13.5 | 9.16 | 7.04 | 5.69 | 5.18 | 4.85 | 5.32 | 7.16 | 9.59 |
| MQ | 14.0 | 21.7 | 26.3 | 28.1 | 27.9 | 21.6 | 13.8 | 11.5 | 9.34 | 7.58 | 7.10 | 9.00 | 13.6 | 22.0 |
| MHQ | 37.3 | 59.8 | 77.3 | 73.7 | 72.6 | 44.1 | 27.2 | 27.4 | 21.7 | 16.8 | 14.9 | 21.5 | 35.5 | 60.7 |
| HQ | 202 | 215 | 317 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 1982 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |

| | 1960/2000 | | 1961/2001 (41 Jahre) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $Mh_N$ mm | 66 | 81 | 64 | 51 | 58 | 53 | 58 | 71 | 70 | 61 | 56 | 57 | 69 | 82 |
| $Mh_A$ mm | 17 | 27 | 33 | 32 | 35 | 26 | 17 | 14 | 12 | 10 | 9 | 11 | 17 | 28 |

| | Abflussjahr (*) 2001 Jahr | Datum | Winter | Sommer | Kalenderjahr 2001 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 4.89 | am 27.08.2001 | 9.63 | 4.89 | 4.89 | am 27.08.2001 |
| MQ m³/s | 22.1 | | 35.1 | 9.36 | 22.5 | |
| HQ m³/s | 170 | am 07.02.2001 bei W= 484 cm | 170 | 23.7 | 170 | am 07.02.2001 bei W= 484 cm |
| Nq l/(s km²) | 2.30 | | 4.54 | 2.30 | 2.30 | |
| Mq l/(s km²) | 10.4 | | 16.5 | 4.41 | 10.6 | |
| Hq l/(s km²) | 80.0 | | 80.0 | 11.2 | 80.0 | |
| $h_N$ mm | 814 | | 437 | 377 | 869 | |
| $h_A$ mm | 330 | | 263 | 69 | 329 | |
| | 1931/2001 (*) 66 Jahre | | | | 1931/2001 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.90 | | 6.40 | 4.14 | 4.10 | |
| MQ m³/s | 16.4 | | 23.2 | 9.65 | 16.4 | |
| MHQ m³/s | 136 | | 132 | 43.9 | 140 | |
| HQ m³/s | 351 | am 21.03.1940 | 351 | 190 | 351 | am 21.03.1940 |
| $HQ_1$ m³/s | 101 | | 97.7 | 33.1 | 99.7 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.84 | | 3.02 | 1.95 | 1.93 | |
| Mq l/(s km²) | 7.72 | | 10.9 | 4.55 | 7.74 | |
| MHq l/(s km²) | 64.1 | | 62.0 | 20.7 | 66.0 | |
| | 1961/2001 (*) 41 Jahre | | | | 1961/2001 | |
| $Mh_N$ mm | 746 | | 373 | 373 | 750 | |
| $Mh_A$ mm | 244 | | 175 | 71 | 244 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.236 | 08.07.1954 | 351 | 165 | | 21.03.1940 |
| 2 | | | | 325 | 153 | | 23.02.1970 |
| 3 | | | | 317 | 149 | | 06.01.1982 |
| 4 | | | | 312 | 147 | | 08.02.1984 |
| 5 | | | | 303 | 143 | | 18.01.1939 |
| 6 | | | | 297 | 140 | | 24.01.1995 |
| 7 | | | | 237 | 112 | | 06.02.1980 |
| 8 | | | | 215 | 101 | | 25.12.1967 |
| 9 | | | | 206 | 97.1 | | 21.03.1942 |
| 10 | | | | 202 | 95.5 | | 01.11.1998 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2001 | Kalenderjahr 2001 | 1931/2001 65 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 148 | 148 | 304 | 123 | 18.8 |
| 363 | 116 | 116 | 243 | 106 | 18.1 |
| 362 | 115 | 115 | 192 | 95.9 | 18.1 |
| 361 | 114 | 114 | 185 | 87.6 | 17.1 |
| 360 | 111 | 111 | 185 | 81.5 | 15.7 |
| 359 | 111 | 111 | 171 | 76.1 | 15.4 |
| 358 | 105 | 105 | 162 | 71.6 | 14.2 |
| 357 | 100 | 100 | 158 | 68.6 | 13.4 |
| 356 | 99.8 | 99.8 | 136 | 65.8 | 13.1 |
| 350 | 78.4 | 78.4 | 96.3 | 53.3 | 11.6 |
| 340 | 57.7 | 57.7 | 80.7 | 41.9 | 10.6 |
| 330 | 49.9 | 48.9 | 70.4 | 35.1 | 10.2 |
| 320 | 41.0 | 42.1 | 61.1 | 30.2 | 9.09 |
| 300 | 33.8 | 34.9 | 45.8 | 23.9 | 8.31 |
| 270 | 27.5 | 28.3 | 33.6 | 18.4 | 7.13 |
| 240 | 20.7 | 22.9 | 27.4 | 14.9 | 5.98 |
| 210 | 15.8 | 16.6 | 23.2 | 12.6 | 5.15 |
| 183 | 14.1 | 13.7 | 20.5 | 10.8 | 4.12 |
| 150 | 11.6 | 11.3 | 17.8 | 8.95 | 3.40 |
| 130 | 10.6 | 9.71 | 16.2 | 8.06 | 3.19 |
| 120 | 9.70 | 9.23 | 15.5 | 7.65 | 3.10 |
| 110 | 9.10 | 8.66 | 14.5 | 7.30 | 3.03 |
| 100 | 8.47 | 8.16 | 13.5 | 6.95 | 2.84 |
| 90 | 7.93 | 7.42 | 12.8 | 6.57 | 2.80 |
| 80 | 7.38 | 7.28 | 12.2 | 6.22 | 2.69 |
| 70 | 7.20 | 7.07 | 11.7 | 5.89 | 2.55 |
| 60 | 6.97 | 6.91 | 10.9 | 5.54 | 2.55 |
| 50 | 6.78 | 6.68 | 10.7 | 5.19 | 2.46 |
| 40 | 6.54 | 6.50 | 10.2 | 4.76 | 2.35 |
| 30 | 6.05 | 6.05 | 9.99 | 4.35 | 2.21 |
| 25 | 5.81 | 5.81 | 9.77 | 4.14 | 2.21 |
| 20 | 5.68 | 5.68 | 9.57 | 3.96 | 2.19 |
| 15 | 5.56 | 5.56 | 9.57 | 3.69 | 1.82 |
| 10 | 5.38 | 5.38 | 9.56 | 3.30 | 1.42 |
| 9 | 5.35 | 5.35 | 9.15 | 3.20 | 1.41 |
| 8 | 5.29 | 5.29 | 8.95 | 3.09 | 1.17 |
| 7 | 5.26 | 5.26 | 8.88 | 2.97 | 1.17 |
| 6 | 5.25 | 5.25 | 8.75 | 2.82 | 1.17 |
| 5 | 5.23 | 5.23 | 8.74 | 2.73 | 0.930 |
| 4 | 5.21 | 5.21 | 8.74 | 2.62 | 0.930 |
| 3 | 5.07 | 5.07 | 8.74 | 2.51 | 0.710 |
| 2 | 5.01 | 5.01 | 8.74 | 2.40 | 0.710 |
| 1 | 5.00 | 5.00 | 8.35 | 2.03 | 0.710 |
| 0 | 4.89 | 4.89 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Wasserwirtschaft

$A_{Eo}$ : 2131 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 1999 Nov | 1999 Dez | 2000 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 5.93 | 7.67 | 31.0 | 50.5 | 50.2 | 24.2 | 14.5 | 8.63 | 5.09 | 8.11 | 6.05 | 7.48 | 13.5 | 15.1 |
| 2. | 6.41 | 8.34 | 28.5 | 43.3 | 59.2 | 23.0 | 15.0 | 7.84 | 5.24 | 7.78 | 8.17 | 7.46 | 15.7 | 13.5 |
| 3. | 9.15 | 9.26 | 27.0 | 33.7 | 53.1 | 21.9 | 13.3 | 7.34 | 7.27 | 8.93 | 11.5 | 7.34 | 16.2 | 13.3 |
| 4. | 9.79 | 9.34 | 25.1 | 29.0 | 59.9 | 21.6 | 12.7 | 8.03 | 8.03 | 11.4 | 9.35 | 6.91 | 17.4 | 12.4 |
| 5. | 7.35 | 9.48 | 29.6 | 26.4 | 60.2 | 22.5 | 12.0 | 8.35 | 8.45 | 9.80 | 7.66 | 6.64 | 15.4 | 12.0 |
| 6. | 6.58 | 8.94 | 33.9 | 24.6 | 51.4 | 20.6 | 11.5 | 7.72 | 6.93 | 7.71 | 6.62 | 6.56 | 13.3 | 11.7 |
| 7. | 6.28 | 8.66 | 28.5 | 23.4 | 43.8 | 19.1 | 11.1 | 7.46 | 5.67 | 6.63 | 8.88 | 7.14 | 14.8 | 11.3 |
| 8. | 5.90 | 12.8 | 26.1 | 26.1 | 41.0 | 18.3 | 12.1 | 7.68 | 8.88 | 7.63 | 14.2 | 7.09 | 14.8 | 11.0 |
| 9. | 5.88 | 15.9 | 25.6 | 36.4 | 48.8 | 18.0 | 14.2 | 7.17 | 9.88 | 7.88 | 10.6 | 7.84 | 12.7 | 11.0 |
| 10. | 6.67 | 15.3 | 28.8 | 35.2 | 54.3 | 17.5 | 14.3 | 6.88 | 10.8 | 6.79 | 8.23 | 11.0 | 11.5 | 10.7 |
| 11. | 13.5 | 14.3 | 29.0 | 33.2 | 52.3 | 16.9 | 11.8 | 6.42 | 10.8 | 6.53 | 7.40 | 14.3 | 10.5 | 13.4 |
| 12. | 12.6 | 44.1 | 25.8 | 30.3 | 46.5 | 17.6 | 10.9 | 6.52 | 8.10 | 6.22 | 6.86 | 15.1 | 9.63 | 18.2 |
| 13. | 9.35 | 68.5 | 23.5 | 27.2 | 40.8 | 18.9 | 10.3 | 7.29 | 6.94 | 5.83 | 12.9 | 12.7 | 13.2 | 20.7 |
| 14. | 8.09 | 71.9 | 22.0 | 27.0 | 36.4 | 17.9 | 9.92 | 6.30 | 8.37 | 5.42 | 12.1 | 10.6 | 23.6 | 28.9 |
| 15. | 7.41 | 55.5 | 20.6 | 27.2 | 47.4 | 17.7 | 9.57 | 6.00 | 9.18 | 5.32 | 9.49 | 9.54 | 26.2 | 55.0 |
| 16. | 7.15 | 36.1 | 19.1 | 43.1 | 51.7 | 17.0 | 9.43 | 6.06 | 10.3 | 5.31 | 8.53 | 8.84 | 25.4 | 56.4 |
| 17. | 6.83 | 26.7 | 18.3 | 50.4 | 46.6 | 16.1 | 9.19 | 6.02 | 10.5 | 5.42 | 11.1 | 8.37 | 19.8 | 40.7 |
| 18. | 6.54 | 24.6 | 18.5 | 42.8 | 43.8 | 15.4 | 8.93 | 5.81 | 8.16 | 5.10 | 12.5 | 8.28 | 18.0 | 29.7 |
| 19. | 6.58 | 25.1 | 22.9 | 43.7 | 47.3 | 15.1 | 8.80 | 5.57 | 7.05 | 5.21 | 10.3 | 7.99 | 16.3 | 25.2 |
| 20. | 6.65 | 21.9 | 20.5 | 52.1 | 45.8 | 15.6 | 8.96 | 5.57 | 6.81 | 5.70 | 8.95 | 8.44 | 15.5 | 22.4 |
| 21. | 6.39 | 18.9 | R 18.6 | 45.4 | 39.3 | 15.8 | 9.16 | 5.56 | 6.76 | 11.1 | 9.72 | 8.60 | 14.8 | 19.4 |
| 22. | 6.33 | 16.9 | R 17.6 | 37.7 | 35.5 | 14.6 | 9.08 | 5.23 | 6.40 | 17.2 | 13.4 | 8.00 | 13.8 | 17.1 |
| 23. | 6.30 | 15.3 | R 16.6 | 33.5 | 33.0 | 13.9 | 9.61 | 5.33 | 6.37 | 15.3 | 13.3 | 7.53 | 14.5 | 15.4 |
| 24. | 6.55 | 14.2 | R 15.6 | 30.9 | 31.2 | 13.5 | 8.88 | 5.66 | 7.16 | 9.49 | 10.1 | 7.53 | 14.4 | 14.3 |
| 25. | 7.28 | 22.7 | R 14.7 | 36.5 | 29.9 | 13.3 | 8.29 | 6.82 | 8.52 | 7.48 | 9.04 | 7.57 | 13.0 | 14.3 |
| 26. | 8.62 | 58.1 | R 14.4 | 48.2 | 28.5 | 13.0 | 8.73 | 6.64 | 7.94 | 6.64 | 8.80 | 7.92 | 13.0 | 14.5 |
| 27. | 9.76 | 84.7 | R 14.2 | 44.3 | 27.4 | 12.6 | 8.51 | 5.86 | 10.0 | 6.10 | 8.54 | 8.33 | 14.8 | 15.1 |
| 28. | 9.34 | 82.3 | R 14.1 | 35.8 | 27.0 | 12.5 | 8.28 | 5.36 | 12.1 | 5.86 | 8.21 | 8.75 | 14.8 | 15.9 |
| 29. | 8.62 | 75.7 | 15.6 | 35.0 | 25.3 | 12.3 | 7.99 | 5.12 | 10.7 | 5.65 | 7.77 | 9.46 | 16.5 | 15.2 |
| 30. | 8.23 | 53.3 | 45.5 | | 25.1 | 13.3 | 8.54 | 5.04 | 10.1 | 5.45 | 7.54 | 8.95 | 16.5 | 14.1 |
| 31. | | 35.6 | 53.4 | | 25.1 | | 8.93 | | 8.78 | 5.38 | | 10.3 | | 13.3 |

## Hauptwerte

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 9. | 1. | 28. | 7. | 31. | 29. | 29. | 30. | 1. | 18. | 1. | 6. | 12. | 10. |
| NQ | 5.88 | 7.67 | 14.1 | 23.4 | 25.1 | 12.3 | 7.99 | 5.04 | 5.09 | 5.10 | 6.05 | 6.56 | 9.63 | 10.7 |
| MQ | 7.73 | 31.4 | 24.0 | 36.3 | 42.2 | 17.0 | 10.5 | 6.51 | 8.30 | 7.56 | 9.60 | 8.80 | 15.6 | 19.4 |
| HQ | 15.2 | 89.1 | 54.6 | 54.2 | 62.1 | 24.7 | 18.7 | 9.02 | 13.0 | 19.8 | 20.9 | 16.3 | 30.2 | 63.0 |
| Tag | 11. | 27. | 31. | 20. | 5. | 1. | 2. | 4. | 8. | 22. | 13. | 11. | 14. | 15. |
| $h_N$ mm | 55 | 122 | 45 | 81 | 68 | 32 | 51 | 26 | 138 | 78 | 87 | 59 | 61 | 56 |
| $h_A$ mm | 9 | 39 | 30 | 43 | 53 | 21 | 13 | 8 | 10 | 10 | 12 | 11 | 19 | 24 |

| | 1930/1999 | | 1931/2000 — 64 Jahre | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.24 | 9.55 | 11.7 | 13.4 | 14.4 | 13.4 | 9.12 | 7.02 | 5.69 | 5.18 | 4.84 | 5.31 | 7.17 | 9.57 |
| MQ | 13.9 | 21.7 | 26.1 | 27.8 | 27.5 | 21.5 | 13.7 | 11.5 | 9.36 | 7.61 | 7.08 | 9.02 | 13.6 | 21.9 |
| MHQ | 37.4 | 59.8 | 76.6 | 72.2 | 71.8 | 43.9 | 27.3 | 27.6 | 21.8 | 16.9 | 14.8 | 21.7 | 35.2 | 60.8 |
| HQ | 202 | 215 | 317 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 1982 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |

| | 1960/1999 | | 1961/2000 — 40 Jahre | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $Mh_N$ mm | 67 | 81 | 63 | 51 | 56 | 53 | 59 | 71 | 70 | 62 | 54 | 57 | 68 | 83 |
| $Mh_A$ mm | 17 | 27 | 33 | 33 | 34 | 26 | 17 | 14 | 12 | 10 | 9 | 11 | 16 | 28 |

| | Abflussjahr (*) 2000 Jahr | Datum | Winter | Sommer | Kalenderjahr 2000 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 5.04 | am 30.06.2000 | 5.88 | 5.04 | 5.04 | am 30.06.2000 |
| MQ m³/s | 17.5 | | 26.5 | 8.54 | 17.1 | |
| HQ m³/s | 89.1 | am 27.12.1999 bei W= 369 cm | 89.1 | 20.9 | 63.0 | am 15.12.2000 bei W= 315 cm |
| Nq l/(s km²) | 2.36 | | 2.76 | 2.36 | 2.36 | |
| Mq l/(s km²) | 8.19 | | 12.4 | 4.01 | 8.02 | |
| Hq l/(s km²) | 41.8 | | 41.8 | 9.83 | 29.6 | |
| $h_N$ mm | 842 | | 403 | 439 | 782 | |
| $h_A$ mm | 258 | | 199 | 63 | 259 | |
| | 1931/2000 (*) 65 Jahre | | | | 1931/2000 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.89 | | 6.35 | 4.13 | 4.08 | |
| MQ m³/s | 16.3 | | 23.0 | 9.66 | 16.3 | |
| MHQ m³/s | 136 | | 131 | 44.2 | 139 | |
| HQ m³/s | 351 | am 21.03.1940 | 351 | 190 | 351 | am 21.03.1940 |
| $HQ_1$ m³/s | 98.8 | | 95.3 | 33.2 | 97.7 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.82 | | 2.98 | 1.94 | 1.92 | |
| Mq l/(s km²) | 7.64 | | 10.8 | 4.53 | 7.66 | |
| MHq l/(s km²) | 63.6 | | 61.5 | 20.7 | 65.5 | |
| | 1961/2000 (*) 40 Jahre | | | | 1961/2000 | |
| $Mh_N$ mm | 744 | | 372 | 373 | 747 | |
| $Mh_A$ mm | 241 | | 172 | 71 | 242 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.235 | 08.07.1954 | 351 | 165 | | 21.03.1940 |
| 2 | | | | 325 | 152 | | 23.02.1970 |
| 3 | | | | 317 | 149 | | 06.01.1982 |
| 4 | | | | 312 | 146 | | 08.02.1984 |
| 5 | | | | 303 | 142 | | 18.01.1939 |
| 6 | | | | 297 | 139 | | 24.01.1995 |
| 7 | | | | 237 | 111 | | 06.02.1980 |
| 8 | | | | 215 | 101 | | 25.12.1967 |
| 9 | | | | 206 | 96.7 | | 21.03.1942 |
| 10 | | | | 202 | 95.0 | | 01.11.1998 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abfluss-jahr (*) 2000 | Kalender jahr 2000 | 1931/2000 Obere Hüllwerte | 64 Kalenderjahre Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 82.3 | 59.9 | 304 | 123 | 18.8 |
| 363 | 75.7 | 59.2 | 243 | 106 | 18.1 |
| 362 | 71.9 | 56.4 | 192 | 94.5 | 18.1 |
| 361 | 68.5 | 55.0 | 185 | 87.4 | 17.1 |
| 360 | 60.2 | 54.3 | 185 | 80.7 | 15.7 |
| 359 | 59.9 | 53.4 | 171 | 75.6 | 15.4 |
| 358 | 59.2 | 53.1 | 162 | 71.4 | 14.2 |
| 357 | 58.1 | 52.3 | 158 | 68.0 | 13.4 |
| 356 | 55.5 | 52.1 | 136 | 65.5 | 13.1 |
| 350 | 52.1 | 48.8 | 96.3 | 52.7 | 11.6 |
| 340 | 46.6 | 43.8 | 80.7 | 41.6 | 10.6 |
| 330 | 43.3 | 37.7 | 70.4 | 34.9 | 10.2 |
| 320 | 36.1 | 33.5 | 61.1 | 30.0 | 9.09 |
| 300 | 28.5 | 27.0 | 45.8 | 23.6 | 8.31 |
| 270 | 21.9 | 20.5 | 33.6 | 18.2 | 7.13 |
| 240 | 15.6 | 15.8 | 27.4 | 14.8 | 5.98 |
| 210 | 12.8 | 14.3 | 23.2 | 12.5 | 5.15 |
| 183 | 10.3 | 12.7 | 20.5 | 10.8 | 4.12 |
| 150 | 8.95 | 10.5 | 17.8 | 8.91 | 3.40 |
| 130 | 8.60 | 9.35 | 16.2 | 8.02 | 3.19 |
| 120 | 8.34 | 8.93 | 15.5 | 7.62 | 3.10 |
| 110 | 8.11 | 8.73 | 14.5 | 7.29 | 3.03 |
| 100 | 7.88 | 8.44 | 13.5 | 6.93 | 2.84 |
| 90 | 7.63 | 8.16 | 12.8 | 6.56 | 2.80 |
| 80 | 7.40 | 7.88 | 12.2 | 6.20 | 2.69 |
| 70 | 7.14 | 7.57 | 11.7 | 5.84 | 2.55 |
| 60 | 6.81 | 7.34 | 10.9 | 5.51 | 2.55 |
| 50 | 6.58 | 6.91 | 10.7 | 5.16 | 2.46 |
| 40 | 6.39 | 6.63 | 10.2 | 4.74 | 2.35 |
| 30 | 6.02 | 6.10 | 9.99 | 4.30 | 2.21 |
| 25 | 5.86 | 5.86 | 9.77 | 4.14 | 2.21 |
| 20 | 5.67 | 5.67 | 9.57 | 3.92 | 2.19 |
| 15 | 5.56 | 5.56 | 9.57 | 3.68 | 1.82 |
| 10 | 5.36 | 5.36 | 9.56 | 3.28 | 1.42 |
| 9 | 5.33 | 5.33 | 9.15 | 3.17 | 1.41 |
| 8 | 5.32 | 5.32 | 8.95 | 3.09 | 1.17 |
| 7 | 5.31 | 5.31 | 8.88 | 2.96 | 1.17 |
| 6 | 5.24 | 5.24 | 8.75 | 2.81 | 1.17 |
| 5 | 5.23 | 5.23 | 8.74 | 2.73 | 0.930 |
| 4 | 5.21 | 5.21 | 8.74 | 2.62 | 0.930 |
| 3 | 5.12 | 5.12 | 8.74 | 2.51 | 0.710 |
| 2 | 5.10 | 5.10 | 8.74 | 2.40 | 0.710 |
| 1 | 5.09 | 5.09 | 8.35 | 2.03 | 0.710 |
| 0 | 5.04 | 5.04 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

Bayer. Landesamt für Wasserwirtschaft

$A_{Eo}$ : 2131 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster  Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 1998 Nov | 1998 Dez | 1999 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 164 | 22.9 | 28.4 | 27.4 | 47.5 | 25.0 | 16.9 | 10.5 | 9.26 | 6.19 | 6.27 | 10.4 | 5.93 | 7.67 |
| 2. | 180 | 21.1 | 26.2 | 26.2 | 56.9 | 23.7 | 16.6 | 10.9 | 8.94 | 6.05 | 5.98 | 9.77 | 6.41 | 8.34 |
| 3. | 156 | 20.3 | 25.6 | 26.0 | 71.3 | 22.6 | 16.0 | 13.8 | 7.97 | 5.92 | 5.86 | 7.72 | 9.15 | 9.26 |
| 4. | 118 | 19.8 | 35.3 | 30.8 | 86.0 | 22.2 | 15.4 | 12.3 | 8.58 | 5.66 | 6.03 | 6.23 | 9.79 | 9.34 |
| 5. | 98.5 | 19.5 | 39.6 | 49.1 | 86.7 | 22.8 | 14.9 | 10.8 | 10.4 | 6.33 | 5.77 | 6.39 | 7.35 | 9.48 |
| 6. | 75.4 | 19.3 | 33.7 | 57.5 | 80.9 | 21.8 | 15.5 | 14.6 | 9.16 | 9.18 | 5.60 | 6.22 | 6.58 | 8.94 |
| 7. | 59.3 | 18.6 | 30.3 | 56.1 | 68.3 | 24.1 | 15.7 | 17.7 | 12.8 | 8.53 | 7.55 | 5.80 | 6.28 | 8.66 |
| 8. | 49.2 | 17.5 | 35.4 | 45.0 | 55.1 | 25.6 | 15.6 | 13.8 | 15.4 | 7.12 | 6.91 | 5.92 | 5.90 | 12.8 |
| 9. | 55.6 | 16.6 | 45.2 | 38.7 | 49.3 | 23.9 | 14.8 | 13.0 | 11.3 | 6.62 | 5.80 | 6.41 | 5.88 | 15.9 |
| 10. | 69.7 | 16.1 | 52.3 | 34.7 | 49.1 | 22.0 | 14.3 | 12.0 | 9.21 | 7.48 | 4.96 | 6.58 | 6.67 | 15.3 |
| 11. | 81.5 | 15.8 | 48.7 | 31.3 | 50.4 | 21.2 | 14.1 | 11.5 | 8.26 | 7.54 | 5.15 | 6.79 | 13.5 | 14.3 |
| 12. | 81.9 | 15.4 | 39.6 | 28.2 | 47.0 | 20.5 | 14.2 | 12.6 | 8.16 | 8.11 | 5.08 | 6.83 | 12.6 | 44.1 |
| 13. | 70.4 | 22.0 | 35.2 | 25.7 | 41.8 | 22.5 | 14.9 | 11.1 | 8.58 | 7.55 | 4.85 | 6.52 | 9.35 | 68.5 |
| 14. | 56.5 | 46.5 | 34.8 | 24.7 | 38.4 | 23.7 | 14.2 | 10.3 | 10.9 | 6.58 | 5.16 | 6.19 | 8.09 | 71.9 |
| 15. | 54.8 | 53.8 | 45.1 | 23.7 | 35.6 | 30.6 | 13.6 | 9.86 | 11.8 | 7.11 | 4.99 | 6.14 | 7.41 | 55.5 |
| 16. | 59.4 | 53.4 | 53.9 | 23.1 | 33.4 | 35.7 | 13.1 | 9.46 | 10.2 | 7.86 | 4.75 | 5.96 | 7.15 | 36.1 |
| 17. | 58.4 | 47.6 | 51.3 | 24.2 | 31.5 | 31.9 | 12.6 | 9.12 | 8.85 | 7.62 | 5.04 | 5.73 | 6.83 | 26.7 |
| 18. | 53.4 | 37.2 | 43.0 | 22.9 | 30.2 | 30.4 | 12.4 | 9.11 | 7.87 | 7.29 | 5.16 | 5.55 | 6.54 | 24.6 |
| 19. | 45.9 | 36.8 | 38.2 | 23.1 | 29.4 | 27.9 | 12.1 | 8.99 | 7.41 | 9.20 | 5.11 | 5.76 | 6.58 | 25.1 |
| 20. | 40.4 | 44.1 | 34.9 | 54.4 | 29.2 | 25.8 | 14.3 | 9.18 | 9.48 | 8.34 | 5.12 | 5.52 | 6.65 | 21.8 |
| 21. | 36.1 | 41.7 | 32.0 | 76.0 | 28.1 | 25.2 | 16.0 | 9.46 | 9.82 | 7.11 | 5.10 | 5.31 | 6.39 | 18.9 |
| 22. | 33.0 | 34.3 | 29.9 | 90.7 | 29.4 | 25.6 | 22.5 | 9.13 | 8.74 | 6.63 | 5.28 | 5.40 | 6.33 | 16.9 |
| 23. | 30.3 | 30.3 | 28.2 | 87.4 | 30.8 | 23.6 | 20.4 | 8.90 | 8.61 | 6.38 | 5.84 | 5.39 | 6.30 | 15.3 |
| 24. | 29.2 | 27.9 | 26.9 | 76.2 | 35.8 | 22.2 | 15.4 | 8.44 | 9.03 | 6.17 | 6.40 | 5.33 | 6.55 | 14.1 |
| 25. | 27.9 | 25.8 | 26.0 | 59.3 | 38.9 | 21.1 | 13.6 | 8.46 | 8.37 | 6.15 | 5.53 | 5.70 | 7.28 | 22.7 |
| 26. | 26.7 | 25.1 | 31.5 | 49.4 | 33.2 | 20.1 | 12.7 | 8.09 | 7.45 | 5.92 | 5.42 | 5.83 | 8.62 | 58.1 |
| 27. | 25.6 | 33.2 | 39.2 | 47.4 | 30.3 | 19.3 | 11.8 | 8.71 | 7.31 | 6.12 | 7.00 | 5.36 | 9.76 | 84.7 |
| 28. | 25.4 | 48.8 | 41.7 | 47.5 | 31.2 | 18.4 | 11.3 | 9.21 | 7.52 | 7.00 | 6.28 | 5.30 | 9.34 | 82.3 |
| 29. | 25.4 | 42.9 | 43.1 | | 28.8 | 17.9 | 11.2 | 8.93 | 7.34 | 9.47 | 5.16 | 5.06 | 8.62 | 75.7 |
| 30. | 24.7 | 34.3 | 35.8 | | 27.3 | 17.4 | 10.8 | 8.35 | 6.50 | 8.04 | 7.87 | 5.11 | 8.23 | 53.3 |
| 31. | | 30.5 | 29.9 | | 26.2 | | 10.3 | | 6.38 | 6.53 | | 5.50 | | 35.6 |

## Hauptwerte

| | 1998 Nov | 1998 Dez | 1999 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 30. | 12. | 3. | 18. | 31. | 30. | 31. | 26. | 31. | 4. | 16. | 29. | 9. | 1. |
| NQ | 24.7 | 15.4 | 25.6 | 22.9 | 26.2 | 17.4 | 10.3 | 8.09 | 6.38 | 5.66 | 4.75 | 5.06 | 5.88 | 7.67 |
| MQ | 63.8 | 30.3 | 36.8 | 43.1 | 43.8 | 23.8 | 14.4 | 10.6 | 9.08 | 7.16 | 5.70 | 6.18 | 7.73 | 31.4 |
| HQ | 202 | 57.2 | 55.6 | 92.7 | 89.8 | 37.0 | 25.6 | 21.3 | 18.2 | 12.6 | 13.5 | 11.3 | 15.2 | 89.1 |
| Tag | 1. | 15. | 16. | 22. | 4. | 16. | 22. | 6. | 7. | 29. | 24. | 1. | 11. | 27. |
| $h_N$ mm | 76 | 50 | 75 | 63 | 58 | 52 | 57 | 71 | 93 | 66 | 57 | 28 | 55 | 122 |
| $h_A$ mm | 78 | 38 | 46 | 49 | 55 | 29 | 18 | 13 | 11 | 9 | 7 | 8 | 9 | 39 |

| | 1930/1998 | | 1931/1999 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 7.26 | 9.58 | 11.7 | 13.2 | 14.3 | 13.4 | 9.14 | 7.06 | 5.70 | 5.18 | 4.82 | 5.29 | 7.13 | 9.55 |
| MQ | 14.0 | 21.6 | 26.1 | 27.6 | 27.3 | 21.5 | 13.8 | 11.6 | 9.38 | 7.61 | 7.04 | 9.02 | 13.5 | 22.0 |
| MHQ | 37.7 | 59.3 | 76.9 | 72.5 | 72.0 | 44.2 | 27.4 | 27.9 | 22.0 | 16.9 | 14.7 | 21.8 | 35.3 | 60.8 |
| HQ | 202 | 215 | 317 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1998 | 1967 | 1982 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |

63 Jahre

| | 1960/1998 | | 1961/1999 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $Mh_N$ mm | 67 | 80 | 64 | 50 | 56 | 54 | 59 | 72 | 68 | 61 | 53 | 57 | 68 | 83 |
| $Mh_A$ mm | 17 | 27 | 33 | 31 | 34 | 26 | 17 | 14 | 12 | 10 | 8 | 11 | 16 | 28 |

39 Jahre

| | Abflussjahr (*) 1999 Jahr | Datum | Winter | Sommer | Kalenderjahr 1999 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 4.75 | am 16.09.1999 | 15.4 | 4.75 | 4.75 | am 16.09.1999 |
| MQ m³/s | 24.4 | | 40.2 | 8.87 | 19.9 | |
| HQ m³/s | 202 | am 01.11.1998 bei W= 511 cm | 202 | 25.6 | 92.7 | am 22.02.1999 bei W= 372 cm |
| Nq l/(s km²) | 2.23 | | 7.23 | 2.23 | 2.23 | |
| Mq l/(s km²) | 11.4 | | 18.9 | 4.16 | 9.33 | |
| Hq l/(s km²) | 95.0 | | 95.0 | 12.0 | 43.5 | |
| $h_N$ mm | 746 | | 374 | 372 | 797 | |
| $h_A$ mm | 361 | | 300 | 65 | 361 | |
| | 1931/1999 (*) 64 Jahre | | | | 1931/1999 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.87 | | 6.36 | 4.12 | 4.07 | |
| MQ m³/s | 16.3 | | 22.9 | 9.68 | 16.3 | |
| MHQ m³/s | 136 | | 132 | 44.5 | 141 | |
| HQ m³/s | 351 | am 21.03.1940 | 351 | 190 | 351 | am 21.03.1940 |
| $HQ_1$ m³/s | 99.7 | | 95.7 | 33.6 | 98.8 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.82 | | 2.98 | 1.93 | 1.91 | |
| Mq l/(s km²) | 7.63 | | 10.8 | 4.54 | 7.66 | |
| MHq l/(s km²) | 63.9 | | 61.8 | 20.9 | 66.0 | |
| | 1961/1999 (*) 39 Jahre | | | | 1961/1999 | |
| $Mh_N$ mm | 742 | | 371 | 371 | 746 | |
| $Mh_A$ mm | 240 | | 171 | 71 | 241 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.235 | 08.07.1954 | 351 | 165 | | 21.03.1940 |
| 2 | | | | 325 | 152 | | 23.02.1970 |
| 3 | | | | 317 | 149 | | 06.01.1982 |
| 4 | | | | 312 | 146 | | 08.02.1984 |
| 5 | | | | 303 | 142 | | 18.01.1939 |
| 6 | | | | 297 | 139 | | 24.01.1995 |
| 7 | | | | 237 | 111 | | 06.02.1980 |
| 8 | | | | 215 | 101 | | 25.12.1967 |
| 9 | | | | 206 | 96.7 | | 21.03.1942 |
| 10 | | | | 202 | 95.0 | | 01.11.1998 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 1999 | Kalenderjahr 1999 | 1931/1999 Obere Hüllwerte | 63 Kalenderjahre Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 180 | 90.7 | 304 | 123 | 18.8 |
| 363 | 164 | 87.4 | 243 | 106 | 18.1 |
| 362 | 156 | 86.7 | 192 | 95.4 | 18.1 |
| 361 | 118 | 86.0 | 185 | 87.6 | 17.1 |
| 360 | 98.5 | 84.7 | 185 | 81.5 | 15.7 |
| 359 | 90.7 | 82.3 | 171 | 75.9 | 15.4 |
| 358 | 87.4 | 80.9 | 162 | 71.6 | 14.2 |
| 357 | 86.7 | 76.2 | 158 | 68.6 | 13.4 |
| 356 | 86.0 | 76.0 | 136 | 65.8 | 13.1 |
| 350 | 75.4 | 59.3 | 96.3 | 53.1 | 11.6 |
| 340 | 56.9 | 52.3 | 80.7 | 41.6 | 10.6 |
| 330 | 53.4 | 47.4 | 70.4 | 34.8 | 10.2 |
| 320 | 48.7 | 39.6 | 61.1 | 30.0 | 9.09 |
| 300 | 39.6 | 33.4 | 45.8 | 23.6 | 8.31 |
| 270 | 31.3 | 26.2 | 33.6 | 18.2 | 7.13 |
| 240 | 26.2 | 22.2 | 27.4 | 14.8 | 5.98 |
| 210 | 22.8 | 14.9 | 23.2 | 12.4 | 5.15 |
| 183 | 16.6 | 12.0 | 20.5 | 10.7 | 4.12 |
| 150 | 12.3 | 9.21 | 17.8 | 8.91 | 3.40 |
| 130 | 9.86 | 8.66 | 16.2 | 8.01 | 3.19 |
| 120 | 9.20 | 8.34 | 15.5 | 7.60 | 3.10 |
| 110 | 8.93 | 7.87 | 14.5 | 7.22 | 3.03 |
| 100 | 8.44 | 7.48 | 13.5 | 6.91 | 2.84 |
| 90 | 7.87 | 7.12 | 12.8 | 6.53 | 2.80 |
| 80 | 7.45 | 6.65 | 12.2 | 6.18 | 2.69 |
| 70 | 6.91 | 6.52 | 11.7 | 5.84 | 2.55 |
| 60 | 6.41 | 6.33 | 10.9 | 5.49 | 2.55 |
| 50 | 6.19 | 6.15 | 10.7 | 5.15 | 2.46 |
| 40 | 5.92 | 5.92 | 10.2 | 4.71 | 2.35 |
| 30 | 5.73 | 5.73 | 9.99 | 4.29 | 2.21 |
| 25 | 5.53 | 5.53 | 9.77 | 4.14 | 2.21 |
| 20 | 5.39 | 5.39 | 9.57 | 3.91 | 2.19 |
| 15 | 5.28 | 5.28 | 9.57 | 3.65 | 1.82 |
| 10 | 5.12 | 5.12 | 9.56 | 3.28 | 1.42 |
| 9 | 5.11 | 5.11 | 9.15 | 3.16 | 1.41 |
| 8 | 5.11 | 5.11 | 8.95 | 3.07 | 1.17 |
| 7 | 5.10 | 5.10 | 8.88 | 2.95 | 1.17 |
| 6 | 5.08 | 5.08 | 8.75 | 2.81 | 1.17 |
| 5 | 5.06 | 5.06 | 8.74 | 2.73 | 0.930 |
| 4 | 5.04 | 5.04 | 8.74 | 2.62 | 0.930 |
| 3 | 4.99 | 4.99 | 8.74 | 2.51 | 0.710 |
| 2 | 4.96 | 4.96 | 8.74 | 2.40 | 0.710 |
| 1 | 4.85 | 4.85 | 8.35 | 2.03 | 0.710 |
| 0 | 4.75 | 4.75 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk

$A_{Eo}$ : 2131 km²
PNP :NN + 155.38 m
Lage: 6.9 km

# Q
m³/s

Pegel : Wolfsmünster Nr. 24409003
Gewässer : Fränkische Saale
Gebiet : Mittlerer Main

## Tageswerte

| Tag | 1997 Nov | 1997 Dez | 1998 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | K 5.61 | K 6.00 | K 13.7 | K 9.34 | 9.34 | 9.68 | 10.2 | 8.21 | 4.62 | 5.14 | 5.28 | 11.7 | 164 | 22.9 |
| 2. | K 5.59 | K 5.73 | K 14.0 | K 8.90 | 9.10 | 9.42 | 10.5 | 8.64 | 4.95 | 4.54 | 5.04 | 25.4 | 180 | 21.1 |
| 3. | K 5.50 | K 5.87 | K 17.7 | K 8.74 | 8.74 | 10.1 | 15.2 | 7.84 | 4.82 | 4.14 | 5.64 | 46.2 | 156 | 20.3 |
| 4. | K 5.61 | K 5.76 | K 24.8 | K 8.59 | 9.27 | 15.9 | 19.0 | 6.93 | 4.40 | 4.03 | 7.62 | 39.5 | 118 | 19.8 |
| 5. | K 5.57 | K 5.28 | K 26.5 | K 8.44 | 16.0 | 17.2 | 13.8 | 6.08 | 4.55 | 4.09 | 8.97 | 28.9 | 98.5 | 19.5 |
| 6. | K 6.18 | K 5.13 | K 24.0 | K 8.28 | 21.3 | 14.6 | 12.4 | 5.45 | 4.88 | 3.72 | 11.4 | 25.9 | 75.4 | 19.3 |
| 7. | K 6.75 | K 5.14 | K 23.8 | K 8.13 | 30.6 | 15.2 | 11.2 | 5.43 | 5.78 | 3.60 | 10.6 | 23.8 | 59.3 | 18.6 |
| 8. | K 6.48 | K 5.36 | K 21.1 | K 8.04 | 40.9 | 28.7 | 10.5 | 5.59 | 7.14 | 3.53 | 8.60 | 48.8 | 49.2 | 17.5 |
| 9. | K 6.07 | K 5.47 | K 18.5 | K 8.09 | 38.6 | 38.7 | 9.80 | 5.40 | 6.45 | 3.37 | 7.27 | 48.0 | 55.6 | 16.6 |
| 10. | K 6.49 | K 5.56 | K 16.4 | K 7.91 | 27.9 | 28.4 | 9.46 | 5.34 | 5.44 | 3.38 | 6.96 | 32.8 | 69.7 | 16.1 |
| 11. | K 6.55 | K 12.2 | K 14.8 | K 7.59 | 22.7 | 23.5 | 9.22 | 6.18 | 5.27 | 3.44 | 7.41 | 29.1 | 81.5 | 15.8 |
| 12. | K 6.88 | K 21.4 | K 13.7 | K 7.69 | 19.9 | 20.1 | 8.87 | 6.10 | 6.08 | 3.36 | 9.96 | 35.3 | 81.9 | 15.4 |
| 13. | K 8.26 | K 35.1 | K 13.1 | K 8.48 | 17.7 | 18.0 | 8.38 | 6.06 | 8.40 | 3.38 | 10.7 | 49.1 | 70.4 | 22.0 |
| 14. | K 10.4 | K 28.9 | K 12.4 | K 10.7 | 15.9 | 16.6 | 7.92 | 5.86 | 8.16 | 3.44 | 13.7 | 47.2 | 56.5 | 46.5 |
| 15. | K 8.13 | K 22.2 | K 11.7 | K 10.4 | 15.1 | 15.2 | 7.36 | 5.59 | 7.90 | 3.30 | 39.7 | 36.1 | 54.8 | 53.8 |
| 16. | K 8.12 | K 18.0 | K 12.3 | K 9.79 | 15.5 | 14.5 | 7.28 | 5.98 | 6.22 | 3.40 | 58.8 | 32.0 | 59.4 | 53.4 |
| 17. | K 9.65 | K 14.4 | K 14.2 | K 9.66 | 15.5 | 13.8 | 7.14 | 7.33 | 5.55 | 3.70 | 56.5 | 26.3 | 58.4 | 47.6 |
| 18. | K 7.91 | K 12.7 | K 13.7 | K 9.82 | 14.3 | 13.3 | 6.88 | 6.28 | 6.34 | 3.63 | 54.7 | 25.8 | 53.4 | 37.2 |
| 19. | K 6.57 | K 11.7 | K 17.4 | K 9.46 | 13.3 | 12.7 | 6.74 | 5.86 | 6.58 | 3.56 | 43.8 | 24.8 | 45.9 | 36.8 |
| 20. | K 5.91 | K 10.7 | K 28.0 | K 8.82 | 12.4 | 12.5 | 6.64 | 5.72 | 5.23 | 3.62 | 26.7 | 21.7 | 40.4 | 44.1 |
| 21. | K 5.88 | K 10.7 | K 26.0 | K 8.60 | 12.3 | 12.6 | 6.54 | 5.44 | 4.51 | 3.54 | 19.4 | 20.4 | 36.1 | 41.7 |
| 22. | K 5.79 | K 11.1 | K 20.1 | K 8.67 | 11.3 | 12.2 | 6.45 | 5.07 | 4.29 | 5.22 | 16.0 | 19.1 | 33.0 | 34.3 |
| 23. | K 5.64 | K 10.5 | K 17.3 | K 10.6 | 11.6 | 11.3 | 6.46 | 4.67 | 4.41 | 7.73 | 13.8 | 17.6 | 30.3 | 30.3 |
| 24. | K 5.08 | K 9.92 | K 15.7 | K 11.0 | 11.7 | 10.4 | 6.22 | 4.60 | 4.49 | 6.96 | 12.2 | 19.1 | 29.2 | 27.9 |
| 25. | K 4.94 | K 12.0 | K 14.6 | K 10.2 | 11.0 | 9.99 | 6.57 | 4.59 | 4.29 | 8.55 | 11.3 | 41.5 | 27.9 | 25.8 |
| 26. | K 4.95 | K 19.5 | K 13.4 | K 9.67 | 10.8 | 10.0 | 6.94 | 4.62 | 4.33 | 7.08 | 10.2 | 54.2 | 26.7 | 25.1 |
| 27. | K 4.75 | K 19.3 | K 12.1 | K 9.18 | 10.8 | 10.1 | 6.69 | 4.56 | 4.20 | 5.87 | 9.68 | 59.2 | 25.6 | 33.2 |
| 28. | K 4.97 | K 18.2 | K 11.3 | K 9.01 | 10.7 | 10.3 | 6.76 | 4.54 | 3.93 | 5.46 | 9.94 | 61.3 | 25.4 | 48.8 |
| 29. | K 5.22 | K 17.9 | K 10.5 | | 10.7 | 10.8 | 6.92 | 4.57 | 4.53 | 5.29 | 9.79 | 91.9 | 25.4 | 42.9 |
| 30. | K 5.50 | K 16.9 | K 10.7 | | 10.5 | 11.6 | 6.36 | 4.57 | 6.65 | 5.32 | 9.30 | 101 | 24.7 | 34.3 |
| 31. | | K 14.9 | K 9.99 | | 10.1 | | 6.63 | | 6.28 | 5.18 | | 111 | | 30.5 |

## Hauptwerte

| | 1997 Nov | 1997 Dez | 1998 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 27. | 6. | 31. | 11. | 3. | 2. | 24. | 28. | 28. | 15. | 2. | 1. | 30. | 12. |
| NQ | 4.75 | 5.13 | 9.99 | 7.59 | 8.74 | 9.42 | 6.22 | 4.54 | 3.93 | 3.30 | 5.04 | 11.7 | 24.7 | 15.4 |
| MQ | 6.36 | 13.0 | 16.6 | 9.06 | 16.0 | 15.3 | 8.74 | 5.77 | 5.50 | 4.53 | 17.4 | 40.5 | 63.8 | 30.3 |
| HQ | 11.6 | 38.2 | 30.5 | 11.8 | 44.4 | 44.1 | 21.4 | 9.80 | 9.32 | 9.26 | 61.5 | 117 | 202 | 57.2 |
| Tag | 14. | 13. | 20. | 14. | 9. | 9. | 4. | 17. | 13. | 25. | 17. | 31. | 1. | 15. |
| $h_N$ mm | 53 | 71 | 56 | 16 | 46 | 69 | 42 | 45 | 80 | 39 | 142 | 203 | 76 | 50 |
| $h_A$ mm | 8 | 16 | 21 | 10 | 20 | 18 | 11 | 7 | 7 | 6 | 21 | 51 | 78 | 38 |
| | 1930/1997 | | 1931/1998 62 Jahre | | | | | | | | | | | |
| Jahr | 1964 | 1991 | 1963 | 1963 | 1963 | 1934 | 1938 | 1934 | 1954 | 1976 | 1976 | 1964 | 1964 | 1991 |
| NQ | 2.35 | 2.53 | 2.81 | 2.81 | 2.79 | 4.70 | 2.50 | 0.960 | 0.500 | 1.62 | 1.61 | 1.84 | 2.35 | 2.53 |
| MNQ | 6.98 | 9.48 | 11.4 | 13.0 | 14.1 | 13.3 | 9.12 | 7.04 | 5.69 | 5.18 | 4.82 | 5.30 | 7.15 | 9.58 |
| MQ | 13.3 | 21.5 | 25.9 | 27.4 | 27.0 | 21.5 | 13.8 | 11.6 | 9.38 | 7.62 | 7.06 | 9.07 | 13.6 | 21.8 |
| MHQ | 35.1 | 59.4 | 77.3 | 72.2 | 71.7 | 44.4 | 27.4 | 28.0 | 22.0 | 16.9 | 14.7 | 21.9 | 35.6 | 60.3 |
| HQ | 201 | 215 | 317 | 325 | 351 | 161 | 190 | 143 | 84.7 | 58.2 | 61.5 | 117 | 202 | 215 |
| Jahr | 1930 | 1967 | 1982 | 1970 | 1940 | 1989 | 1969 | 1933 | 1972 | 1931 | 1998 | 1998 | 1998 | 1967 |
| | 1960/1997 | | 1961/1998 38 Jahre | | | | | | | | | | | |
| $Mh_N$ mm | 67 | 81 | 63 | 50 | 56 | 54 | 59 | 72 | 68 | 61 | 53 | 58 | 69 | 82 |
| $Mh_A$ mm | 16 | 27 | 33 | 31 | 34 | 26 | 17 | 14 | 12 | 10 | 8 | 11 | 16 | 27 |

| | Abflussjahr (*) 1998 Jahr | Datum | Winter | Sommer | Kalenderjahr 1998 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 3.30 | am 15.08.1998 | 4.75 | 3.30 | 3.30 | am 15.08.1998 |
| MQ m³/s | 13.3 | | 12.8 | 13.8 | 19.5 | |
| HQ m³/s | 117 | am 31.10.1998 bei W= 423 cm | 44.4 | 117 | 202 | am 01.11.1998 bei W= 511 cm |
| Nq l/(s km²) | 1.55 | | 2.23 | 1.55 | 1.55 | |
| Mq l/(s km²) | 6.23 | | 6.00 | 6.45 | 9.13 | |
| Hq l/(s km²) | 55.0 | | 20.8 | 55.0 | 95.0 | |
| $h_N$ mm | 862 | | 311 | 551 | 864 | |
| $h_A$ mm | 196 | | 95 | 101 | 196 | |
| | 1931/1998 (*) 63 Jahre | | | | 1931/1998 | |
| NQ m³/s | 0.500 | am 08.07.1954 | 2.35 | 0.500 | 0.500 | am 08.07.1954 |
| MNQ m³/s | 3.86 | | 6.21 | 4.11 | 4.06 | |
| MQ m³/s | 16.1 | | 22.7 | 9.69 | 16.3 | |
| MHQ m³/s | 135 | | 130 | 44.8 | 141 | |
| HQ m³/s | 351 | am 21.03.1940 | 351 | 190 | 351 | am 21.03.1940 |
| $HQ_1$ m³/s | 99.7 | | 95.7 | 33.7 | 99.7 | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 1.81 | | 2.92 | 1.93 | 1.90 | |
| Mq l/(s km²) | 7.57 | | 10.6 | 4.55 | 7.63 | |
| MHq l/(s km²) | 63.4 | | 61.2 | 21.0 | 66.4 | |
| | 1961/1998 (*) 38 Jahre | | | | 1961/1998 | |
| $Mh_N$ mm | 742 | | 371 | 371 | 745 | |
| $Mh_A$ mm | 239 | | 169 | 71 | 241 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.500 | 0.235 | 08.07.1954 | 351 | 165 | | 21.03.1940 |
| 2 | | | | 325 | 152 | | 23.02.1970 |
| 3 | | | | 317 | 149 | | 06.01.1982 |
| 4 | | | | 312 | 146 | | 08.02.1984 |
| 5 | | | | 303 | 142 | | 18.01.1939 |
| 6 | | | | 297 | 139 | | 24.01.1995 |
| 7 | | | | 237 | 111 | | 06.02.1980 |
| 8 | | | | 215 | 101 | | 25.12.1967 |
| 9 | | | | 206 | 96.7 | | 21.03.1942 |
| 10 | | | | 202 | 95.0 | | 01.11.1998 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 1998 | Kalenderjahr 1998 | 1931/1998 62 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 111 | 180 | 304 | 125 | 18.8 |
| 363 | 101 | 164 | 243 | 106 | 18.1 |
| 362 | 91.9 | 156 | 192 | 95.9 | 18.1 |
| 361 | 61.3 | 118 | 185 | 87.9 | 17.1 |
| 360 | 59.2 | 111 | 185 | 80.9 | 15.7 |
| 359 | 58.8 | 101 | 171 | 75.6 | 15.4 |
| 358 | 56.5 | 98.5 | 162 | 71.4 | 14.2 |
| 357 | 54.7 | 91.9 | 158 | 68.2 | 13.4 |
| 356 | 54.2 | 81.9 | 136 | 65.6 | 13.1 |
| 350 | 43.8 | 59.4 | 96.3 | 52.7 | 11.6 |
| 340 | 32.8 | 54.2 | 80.7 | 41.3 | 10.6 |
| 330 | 26.7 | 47.2 | 70.4 | 34.5 | 10.2 |
| 320 | 23.8 | 40.4 | 61.1 | 29.7 | 9.09 |
| 300 | 18.2 | 29.2 | 45.8 | 23.3 | 8.31 |
| 270 | 14.3 | 22.7 | 33.6 | 18.2 | 7.13 |
| 240 | 11.7 | 16.4 | 27.4 | 14.7 | 5.98 |
| 210 | 10.4 | 13.3 | 23.2 | 12.4 | 5.15 |
| 183 | 9.42 | 10.8 | 20.5 | 10.7 | 4.12 |
| 150 | 8.04 | 9.68 | 17.8 | 8.91 | 3.40 |
| 130 | 6.94 | 8.67 | 16.2 | 8.01 | 3.19 |
| 120 | 6.64 | 8.28 | 15.5 | 7.60 | 3.10 |
| 110 | 6.45 | 7.73 | 14.5 | 7.22 | 3.03 |
| 100 | 6.10 | 7.14 | 13.5 | 6.91 | 2.84 |
| 90 | 5.87 | 6.69 | 12.8 | 6.53 | 2.80 |
| 80 | 5.61 | 6.36 | 12.2 | 6.17 | 2.69 |
| 70 | 5.47 | 6.06 | 11.7 | 5.82 | 2.55 |
| 60 | 5.29 | 5.55 | 10.9 | 5.48 | 2.55 |
| 50 | 5.13 | 5.28 | 10.7 | 5.12 | 2.46 |
| 40 | 4.75 | 4.82 | 10.2 | 4.71 | 2.35 |
| 30 | 4.55 | 4.55 | 9.99 | 4.28 | 2.21 |
| 25 | 4.41 | 4.41 | 9.77 | 4.14 | 2.21 |
| 20 | 4.20 | 4.20 | 9.57 | 3.89 | 2.19 |
| 15 | 3.72 | 3.72 | 9.57 | 3.64 | 1.82 |
| 10 | 3.56 | 3.56 | 9.56 | 3.27 | 1.42 |
| 9 | 3.54 | 3.54 | 9.15 | 3.16 | 1.41 |
| 8 | 3.53 | 3.53 | 8.95 | 3.04 | 1.17 |
| 7 | 3.44 | 3.44 | 8.88 | 2.93 | 1.17 |
| 6 | 3.44 | 3.44 | 8.75 | 2.81 | 1.17 |
| 5 | 3.40 | 3.40 | 8.74 | 2.72 | 0.930 |
| 4 | 3.38 | 3.38 | 8.74 | 2.62 | 0.930 |
| 3 | 3.38 | 3.38 | 8.74 | 2.51 | 0.710 |
| 2 | 3.37 | 3.37 | 8.74 | 2.36 | 0.710 |
| 1 | 3.36 | 3.36 | 8.35 | 2.03 | 0.710 |
| 0 | 3.30 | 3.30 | 7.88 | 0.500 | 0.500 |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1949; AJ 1945-1949

Vor 1973 nach Pegel Schonderfeld
Beeinflussung durch Triebwerk