$A_{Eo}$ : 1013 km²

PNP : NN + 410.55 m

Lage: 357.0 km oberhalb Mündung mittig

Q m³/s

Pegel : Blankenstein-Rosenthal Nr. 570210

Gewässer : Saale

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 4.70 | 21.6 | R 7.62 | K 43.1 | K 67.4 | K 15.2 | K 5.69 | K 3.53 | K 3.53 | K 4.08 | K 6.02 | K 4.70 | 17.1 | 78.2 |
| 2. | 4.70 | 21.1 | R 7.62 | K 37.3 | K 55.7 | K 14.7 | K 5.36 | K 3.53 | K 4.08 | K 3.34 | K 4.38 | K 4.70 | 22.7 | 53.9 |
| 3. | 4.38 | 19.6 | R 7.17 | K 32.4 | K 44.7 | K 13.3 | K 5.36 | K 3.34 | K 4.08 | K 3.19 | K 3.53 | K 4.38 | 34.0 | 44.8 |
| 4. | 4.08 | 16.7 | R 6.75 | K 27.5 | K 38.1 | K 12.3 | K 6.75 | K 3.34 | K 3.34 | K 3.06 | K 3.53 | K 5.03 | 34.9 | 39.2 |
| 5. | 3.78 | 17.1 | V 6.37 | K 24.4 | K 33.2 | K 11.4 | K 9.93 | K 3.19 | K 3.34 | K 3.34 | K 3.78 | K 4.38 | 33.2 | 35.7 |
| 6. | 3.78 | 26.7 | R 6.37 | K 24.4 | K 29.1 | K 10.4 | K 7.62 | K 5.36 | K 3.53 | K 3.06 | K 4.70 | K 9.00 | 24.4 | 31.5 |
| 7. | 5.69 | 39.8 | R 6.02 | K 22.1 | K 29.1 | K 9.93 | K 6.75 | K 7.62 | K 3.19 | K 7.62 | K 4.08 | K 14.7 | 21.1 | 27.3 |
| 8. | 22.7 | 29.1 | R 5.69 | K 20.1 | K 29.1 | K 9.46 | K 6.02 | K 23.8 | K 3.19 | K 8.08 | K 3.78 | K 11.4 | 20.1 | 23.8 |
| 9. | 39.8 | 22.7 | R 5.69 | K 19.6 | K 22.7 | K 9.00 | K 6.02 | K 13.8 | K 3.19 | K 6.37 | K 3.53 | K 8.54 | 33.2 | R 20.3 |
| 10. | 20.1 | 19.6 | R 5.36 | K 39.8 | K 20.6 | K 8.54 | K 5.36 | K 9.00 | K 3.53 | K 4.38 | K 4.70 | K 6.37 | 45.5 | R 16.8 |
| 11. | 14.7 | 17.6 | R 5.03 | K 39.0 | K 19.1 | K 8.54 | K 5.36 | K 7.17 | K 3.19 | K 4.08 | K 10.9 | K 6.02 | 46.3 | R 15.4 |
| 12. | 13.3 | 16.7 | R 5.03 | K 50.4 | K 17.6 | K 8.54 | K 5.69 | K 6.02 | K 3.19 | K 13.8 | K 5.69 | K 6.02 | 46.3 | R 13.5 |
| 13. | 13.8 | 16.2 | R 4.70 | K 102 | K 16.7 | K 8.54 | K 6.02 | K 5.36 | K 3.34 | K 21.1 | K 5.03 | K 5.69 | 34.9 | R 13.5 |
| 14. | 12.3 | 12.3 | R 4.38 | K 85.4 | K 15.7 | K 10.4 | K 5.36 | K 4.70 | K 5.03 | K 12.8 | K 4.38 | K 5.36 | 28.3 | R 12.2 |
| 15. | 10.4 | R 10.9 | R 4.38 | K 56.6 | K 14.7 | K 9.93 | K 4.70 | K 6.37 | K 4.70 | K 7.17 | K 4.70 | K 5.03 | 24.4 | R 11.1 |
| 16. | 8.54 | R 9.93 | R 4.38 | K 43.1 | K 13.8 | K 8.54 | K 4.08 | K 7.62 | K 3.78 | K 5.69 | K 4.38 | K 8.08 | 22.7 | R 11.1 |
| 17. | 8.08 | R 9.00 | R 4.38 | K 36.5 | K 12.8 | K 8.08 | K 4.08 | K 5.36 | K 3.78 | K 5.03 | K 4.08 | K 16.2 | 20.6 | R 12.8 |
| 18. | 7.62 | R 8.08 | R 4.38 | K 31.6 | K 12.3 | K 8.08 | K 4.08 | K 4.38 | K 4.08 | K 6.75 | K 3.78 | K 13.3 | 18.1 | R 11.7 |
| 19. | 7.17 | R 7.62 | R 4.38 | K 28.3 | K 17.1 | K 7.17 | K 6.75 | K 4.38 | K 3.53 | K 4.70 | K 3.53 | K 13.8 | 27.5 | 10.6 |
| 20. | 7.62 | R 7.17 | K 7.62 | K 53.0 | K 20.6 | K 7.17 | K 6.75 | K 4.08 | K 3.19 | K 4.08 | K 3.34 | K 11.8 | 43.9 | 10.1 |
| 21. | 7.17 | R 6.37 | K 44.7 | K 87.2 | K 34.0 | K 6.75 | K 5.03 | K 4.70 | K 3.19 | K 3.78 | K 3.53 | K 9.93 | 29.9 | 9.68 |
| 22. | 7.62 | R 6.37 | K 70.1 | K 53.9 | K 43.1 | K 6.37 | K 4.38 | K 4.38 | K 3.19 | K 8.54 | K 4.08 | K 12.8 | 25.9 | 11.7 |
| 23. | 12.3 | R 6.02 | K 66.5 | K 50.4 | K 39.0 | K 6.02 | K 4.08 | K 4.08 | K 3.19 | K 6.37 | K 4.38 | K 15.2 | 37.3 | 41.3 |
| 24. | 9.93 | R 6.02 | K 71.0 | K 47.2 | K 29.9 | K 6.75 | K 6.02 | K 5.03 | K 3.19 | K 4.38 | K 4.38 | K 14.2 | 31.6 | 27.3 |
| 25. | 9.93 | R 8.54 | K 91.7 | K 40.6 | K 26.7 | K 6.02 | K 5.69 | K 4.38 | K 4.08 | K 6.75 | K 5.36 | K 13.3 | 25.1 | 17.5 |
| 26. | 15.2 | R 8.54 | K 76.4 | K 103 | K 23.8 | K 6.37 | K 6.37 | K 4.08 | K 3.34 | K 7.62 | K 6.75 | K 45.5 | 23.2 | 14.1 |
| 27. | 23.2 | R 7.17 | K 104 | K 136 | K 21.6 | K 9.00 | K 6.02 | K 3.34 | K 3.19 | K 4.70 | K 7.62 | K 47.2 | 21.6 | 14.1 |
| 28. | 25.9 | R 7.62 | K 135 | K 89.9 | K 20.1 | K 9.00 | K 7.62 | K 3.53 | K 3.19 | K 5.36 | K 7.62 | K 47.2 | 20.1 | 14.1 |
| 29. | 23.2 | R 12.8 | K 90.8 | | K 19.1 | K 7.62 | K 6.02 | K 3.53 | K 2.95 | K 5.36 | K 5.36 | K 30.8 | 20.1 | 14.1 |
| 30. | 24.4 | R 11.4 | K 66.5 | | K 17.6 | K 6.37 | K 4.70 | K 3.53 | K 3.19 | K 4.70 | K 4.70 | K 23.2 | 63.8 | 58.1 |
| 31. | | R 8.54 | K 53.0 | | K 16.2 | | K 4.08 | | K 3.19 | K 4.08 | | K 19.1 | | 103 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 5.+ | 23.+ | 14.+ | 9. | 18. | 23.+ | 16.+ | 5. | 29. | 4.+ | 20. | 3.+ | 1. | 21. |
| NQ | 3.78 | 6.02 | 4.38 | 19.6 | 12.3 | 6.02 | 4.08 | 3.19 | 2.95 | 3.06 | 3.34 | 4.38 | 17.1 | 9.68 |
| MQ | 12.5 | 14.2 | 31.7 | 50.9 | 26.5 | 8.98 | 5.73 | 5.75 | 3.51 | 6.24 | 4.85 | 14.3 | 29.9 | 26.4 |
| HQ | 48.0 | 43.9 | 144 | 157 | 77.3 | 17.1 | 13.3 | 35.7 | 10.4 | 30.8 | 13.3 | 56.6 | 91.7 | 121 |
| Tag | 8.+ | 7. | 28. | 27. | 1. | 2. | 19. | 8. | 25. | 25. | 11. | 26. | 30. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 32 | 38 | 84 | 122 | 70 | 23 | 15 | 15 | 9 | 16 | 12 | 38 | 77 | 70 |

| | 1963/2001 | | 1964/2002 | | | | | | 37 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1976 | 1991 | 1973 | 1964 | 1972 | 1974 | 1998 | 1964 | 1964 | 1964 | 1964 | 1964 | 1983 | 1991 |
| NQ | 0.010 | 1.30 | 1.35 | 1.88 | 2.09 | 2.09 | 1.70 | 1.57 | 0.690 | 0.610 | 0.590 | 0.590 | 0.960 | 1.30 |
| MNQ | 4.56 | 5.78 | 6.07 | 7.69 | 8.16 | 8.39 | 4.34 | 3.87 | 3.21 | 2.79 | 2.95 | 3.32 | 5.10 | 6.07 |
| MQ | 10.1 | 16.6 | 16.8 | 16.9 | 22.1 | 16.2 | 9.00 | 7.66 | 6.14 | 5.48 | 5.64 | 7.66 | 10.7 | 17.5 |
| MHQ | 32.4 | 60.8 | 64.4 | 58.5 | 67.2 | 41.4 | 28.2 | 28.2 | 22.8 | 20.7 | 18.9 | 25.9 | 33.9 | 64.5 |
| HQ | 192 | 180 | 251 | 197 | 166 | 177 | 172 | 134 | 124 | 128 | 123 | 123 | 192 | 180 |
| Jahr | 1998 | 1993 | 1982 | 1980 | 1988 | 1988 | 1978 | 1965 | 1996 | 1970 | 1998 | 1998 | 1998 | 1993 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 26 | 44 | 44 | 40 | 58 | 41 | 24 | 20 | 16 | 14 | 14 | 20 | 27 | 46 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 2.95 | am 29.07.2002 | 3.78 | 2.95 |
| MQ | m³/s | 15.2 | | 23.8 | 6.74 |
| HQ | m³/s | 157 | am 27.02.2002 | 157 | 56.6 |
| Nq | l/(s km²) | 2.91 | | 3.73 | 2.91 |
| Mq | l/(s km²) | 15.0 | | 23.5 | 6.65 |
| Hq | l/(s km²) | 155 | | 155 | 55.9 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 473 | | 367 | 106 |

### Kalenderjahr 2002

| | | Jahr | Datum |
|---|---|---|---|
| NQ | m³/s | 2.95 | am 29.07.2002 |
| MQ | m³/s | 17.7 | |
| HQ | m³/s | 157 | am 27.02.2002 |
| Nq | l/(s km²) | 2.91 | |
| Mq | l/(s km²) | 17.5 | |
| Hq | l/(s km²) | 155 | |
| $h_N$ | mm | | |
| $h_A$ | mm | 551 | |

### 1964/2002 (*) 38 Jahre

| | | | | | |
|---|---|---|---|---|---|
| NQ | m³/s | 0.010 | am 20.11.1976 | 0.010 | 0.590 |
| MNQ | m³/s | 1.86 | | 3.18 | 2.10 |
| MQ | m³/s | 11.6 | | 16.4 | 6.88 |
| MHQ | m³/s | 122 | | 115 | 53.6 |
| HQ | m³/s | 251 | am 05.01.1982 | 251 | 172 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(s km²) | 1.84 | | 3.14 | 2.07 |
| Mq | l/(s km²) | 11.5 | | 16.2 | 6.79 |
| MHq | l/(s km²) | 120 | | 114 | 52.9 |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 361 | | 253 | 108 |

### 1964/2002

| | | | | |
|---|---|---|---|---|
| NQ | m³/s | 0.590 | am 30.09.1964 | |
| MNQ | m³/s | 2.09 | | |
| MQ | m³/s | 11.8 | | |
| MHQ | m³/s | 122 | | |
| HQ | m³/s | 251 | am 05.01.1982 | |
| $HQ_1$ | m³/s | | | |
| $HQ_5$ | m³/s | | | |
| MNq | l/(s km²) | 2.06 | | |
| Mq | l/(s km²) | 11.6 | | |
| MHq | l/(s km²) | 120 | | |
| $Mh_N$ | mm | | | |
| $Mh_A$ | mm | 367 | | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(s km²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(s km²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.010 | 0.010 | 20.11.1976 | 251 | 248 | | 05.01.1982 |
| 2 | 0.590 | 0.582 | 30.09.1964+ | 212 | 209 | | 23.01.1995 |
| 3 | 0.960 | 0.948 | 16.09.1991 | 197 | 194 | | 06.02.1980 |
| 4 | 0.960 | 0.948 | 15.11.1983 | 192 | 190 | | 01.11.1998 |
| 5 | 0.960 | 0.948 | 18.09.1973 | 182 | 180 | | 07.02.1984 |
| 6 | 1.09 | 1.08 | 16.10.1979 | 180 | 178 | | 22.12.1993 |
| 7 | 1.22 | 1.20 | 08.06.1975 | 177 | 175 | | 01.04.1988 |
| 8 | 1.22 | 1.20 | 09.09.1974+ | 172 | 170 | | 08.05.1978 |
| 9 | 1.30 | 1.28 | 08.12.1991 | 166 | 164 | | 26.03.1988 |
| 10 | 1.35 | 1.33 | 22.10.1985+ | 164 | 162 | | 28.03.1987 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1964/2002 37 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 136 | 136 | 222 | 110 | 20.9 |
| 363 | 135 | 135 | 219 | 91.7 | 19.8 |
| 362 | 104 | 104 | 140 | 81.9 | 17.1 |
| 361 | 103 | 104 | 131 | 75.7 | 15.9 |
| 360 | 102 | 104 | 130 | 68.6 | 14.3 |
| 359 | 91.7 | 102 | 116 | 62.7 | 13.3 |
| 358 | 90.8 | 91.7 | 115 | 58.6 | 13.2 |
| 357 | 89.9 | 90.8 | 100 | 55.7 | 12.5 |
| 356 | 87.2 | 89.9 | 99.0 | 53.6 | 12.2 |
| 350 | 67.4 | 70.1 | 81.1 | 41.7 | 11.5 |
| 340 | 50.4 | 53.9 | 62.6 | 31.5 | 10.2 |
| 330 | 40.6 | 46.3 | 54.4 | 25.9 | 8.44 |
| 320 | 31.6 | 39.8 | 46.2 | 22.5 | 7.71 |
| 300 | 23.2 | 30.8 | 34.0 | 17.5 | 6.36 |
| 270 | 15.7 | 21.6 | 23.1 | 13.3 | 5.37 |
| 240 | 11.8 | 15.2 | 18.1 | 10.4 | 4.26 |
| 210 | 9.00 | 10.9 | 15.2 | 8.35 | 3.57 |
| 183 | 7.62 | 8.08 | 13.2 | 7.06 | 3.21 |
| 150 | 6.37 | 6.75 | 10.9 | 5.60 | 2.58 |
| 130 | 5.69 | 6.02 | 10.2 | 5.04 | 2.22 |
| 120 | 5.69 | 5.69 | 9.82 | 4.75 | 1.86 |
| 110 | 5.36 | 5.36 | 9.46 | 4.37 | 1.69 |
| 100 | 5.03 | 5.03 | 8.78 | 4.08 | 1.56 |
| 90 | 4.70 | 5.03 | 8.44 | 3.83 | 1.56 |
| 80 | 4.70 | 4.70 | 8.10 | 3.56 | 1.23 |
| 70 | 4.38 | 4.70 | 7.44 | 3.32 | 1.23 |
| 60 | 4.38 | 4.38 | 6.80 | 3.09 | 1.18 |
| 50 | 4.08 | 4.38 | 6.48 | 2.96 | 0.970 |
| 40 | 3.78 | 3.78 | 6.39 | 2.83 | 0.970 |
| 30 | 3.78 | 3.78 | 6.12 | 2.52 | 0.900 |
| 25 | 3.53 | 3.53 | 5.85 | 2.39 | 0.870 |
| 20 | 3.53 | 3.53 | 5.58 | 2.27 | 0.710 |
| 15 | 3.34 | 3.34 | 5.58 | 2.10 | 0.690 |
| 10 | 3.34 | 3.34 | 5.31 | 1.86 | 0.670 |
| 9 | 3.34 | 3.34 | 5.04 | 1.82 | 0.670 |
| 8 | 3.34 | 3.34 | 5.04 | 1.81 | 0.670 |
| 7 | 3.34 | 3.34 | 4.79 | 1.67 | 0.670 |
| 6 | 3.34 | 3.34 | 4.79 | 1.63 | 0.650 |
| 5 | 3.34 | 3.34 | 4.79 | 1.57 | 0.650 |
| 4 | 3.34 | 3.34 | 4.76 | 1.49 | 0.630 |
| 3 | 3.34 | 3.34 | 4.76 | 1.35 | 0.610 |
| 2 | 3.19 | 3.19 | 4.54 | 1.21 | 0.590 |
| 1 | 3.19 | 3.19 | 4.54 | 0.970 | 0.590 |
| 0 | 2.95 | 2.95 | 4.04 | 0.590 | 0.590 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1975-1976; AJ 1976;
Die Durchflußwerte beinhalten nicht die Umflut durch das ZPR (die um den Pegel geführte Menge entspricht der Pumpenleistung von ca. 0,56 m^3/s im Durchschnitt).

1 Tag Eisversetzung/Eisstau, 45 Tage Randeis, 184 Tage Verkrautung(Sommerhalbjahr)
20.01.-30.04.02 zusätzlich Verkrautung

Thür. Landesanstalt für Umwelt und Geologie Jena

$A_{Eo}$ : 1665 km²

PNP : NN + 230.07 m

Lage: 281.0 km oberhalb Mündung links

Q

m³/s

Pegel : Kaulsdorf Nr. 570250

Gewässer : Saale

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | K 8.04 | 29.4 | 50.0 | 72.1 | 84.9 | 25.0 | K 7.74 | K 7.74 | K 7.46 | K 7.90 | K 7.74 | K 7.90 | 37.5 | 55.4 |
| 2. | K 8.04 | 29.4 | 49.2 | 73.9 | 86.6 | 21.3 | K 7.90 | K 7.74 | K 7.90 | K 7.60 | K 7.74 | K 7.90 | 35.0 | 83.2 |
| 3. | K 8.04 | 29.4 | 44.4 | 75.8 | 88.3 | 20.5 | K 7.74 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 7.90 | 35.6 | 96.8 |
| 4. | K 8.04 | 29.9 | 32.0 | 77.6 | 94.2 | 20.1 | K 7.74 | K 7.74 | K 7.90 | K 7.60 | K 7.74 | K 7.90 | 38.1 | 99.4 |
| 5. | K 8.04 | 29.9 | 29.9 | 70.2 | 96.8 | 18.5 | K 7.74 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 7.74 | 42.4 | 98.5 |
| 6. | K 8.04 | 29.9 | 29.9 | 60.2 | 95.9 | 14.9 | K 7.74 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 7.74 | 47.2 | 81.5 |
| 7. | K 8.04 | 34.5 | 27.8 | 48.4 | 95.9 | 14.9 | K 7.46 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 9.90 | 47.9 | 74.7 |
| 8. | K 8.04 | 39.2 | 24.4 | 44.4 | 75.5 | 14.6 | K 7.74 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 12.1 | 48.6 | 74.7 |
| 9. | K 11.1 | 39.2 | 22.6 | 42.1 | 56.9 | 14.9 | K 7.90 | K 7.90 | K 8.08 | K 7.60 | K 7.74 | K 12.1 | 47.2 | 45.8 |
| 10. | K 13.1 | 42.8 | 19.7 | 39.9 | 56.9 | 12.1 | K 7.90 | K 7.90 | K 8.08 | K 7.60 | K 7.74 | K 12.1 | 45.8 | 30.5 |
| 11. | K 13.1 | 45.2 | 15.2 | 39.9 | 40.6 | 9.62 | K 7.90 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 9.07 | 40.6 | 18.5 |
| 12. | K 13.1 | 45.2 | 9.59 | 39.9 | 27.5 | 9.90 | K 7.90 | K 7.74 | K 8.08 | K 7.74 | K 7.74 | K 7.74 | 49.4 | 11.1 |
| 13. | K 13.1 | 45.2 | 9.90 | 52.4 | 17.8 | 9.90 | K 7.90 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 7.74 | 53.1 | 11.8 |
| 14. | K 13.1 | 39.9 | 9.90 | 61.1 | 19.3 | 9.90 | K 7.90 | K 7.74 | K 8.08 | K 7.60 | K 9.07 | K 7.74 | 52.4 | 15.3 |
| 15. | K 13.1 | 35.2 | 9.90 | 70.2 | 19.7 | 9.90 | K 7.90 | K 7.90 | K 8.08 | K 7.60 | K 7.74 | K 8.80 | 53.1 | 15.3 |
| 16. | K 13.1 | 28.3 | R 9.90 | 79.5 | 20.1 | 9.90 | K 7.90 | K 7.74 | K 7.90 | K 7.60 | K 7.74 | K 9.90 | 52.4 | 15.3 |
| 17. | K 12.8 | 22.6 | R 9.90 | 88.3 | 20.1 | 9.90 | K 7.74 | K 7.90 | K 7.90 | K 7.60 | K 7.74 | K 9.90 | 53.1 | 15.3 |
| 18. | K 12.8 | 20.1 | 9.59 | 89.3 | 20.1 | 7.74 | K 7.74 | K 7.74 | K 8.08 | K 7.60 | K 7.74 | K 12.8 | 31.6 | 15.3 |
| 19. | K 13.1 | 21.7 | 9.59 | 86.3 | 20.1 | 7.74 | K 7.90 | K 7.74 | K 8.08 | K 7.74 | K 7.90 | K 15.3 | 15.3 | 15.3 |
| 20. | K 12.8 | 29.9 | 9.90 | 77.6 | 20.1 | 7.74 | K 7.90 | K 7.74 | K 7.90 | K 7.74 | K 7.74 | K 15.3 | 45.1 | 15.3 |
| 21. | K 13.1 | 32.0 | 9.90 | 74.8 | 23.0 | 7.74 | K 8.53 | K 7.74 | K 9.90 | K 7.74 | K 7.74 | K 15.3 | 51.6 | 15.3 |
| 22. | K 13.1 | 29.9 | 20.1 | 78.6 | 31.0 | 7.74 | K 10.2 | K 7.74 | K 8.08 | K 7.74 | K 7.74 | K 15.3 | 52.4 | 15.3 |
| 23. | K 13.1 | 29.4 | 15.2 | 83.4 | 39.9 | 7.74 | K 7.32 | K 7.74 | K 7.90 | K 7.74 | K 7.74 | K 15.3 | 52.4 | 21.3 |
| 24. | K 13.1 | 32.6 | 9.90 | 84.4 | 43.7 | 7.74 | K 7.90 | K 7.60 | K 8.08 | K 7.74 | K 7.74 | K 15.3 | 53.9 | 30.0 |
| 25. | K 13.1 | 35.2 | 22.2 | 87.3 | 43.7 | 7.74 | K 7.90 | K 7.74 | K 8.08 | K 7.74 | K 7.74 | K 15.3 | 52.4 | 30.0 |
| 26. | K 14.5 | 34.5 | 34.5 | 88.3 | 43.7 | 7.74 | K 7.90 | K 7.74 | K 7.90 | K 7.74 | K 7.74 | K 24.5 | 51.6 | 30.0 |
| 27. | K 18.5 | 34.5 | 39.2 | 93.4 | 41.2 | 7.74 | K 7.90 | K 8.29 | K 7.90 | K 7.74 | K 7.74 | K 34.4 | 52.4 | 26.5 |
| 28. | K 22.6 | 34.5 | 40.6 | 90.4 | 38.1 | 7.74 | K 8.53 | K 7.60 | K 8.08 | K 7.60 | K 7.74 | K 36.8 | 39.9 | 20.1 |
| 29. | 26.3 | 35.2 | 50.8 | | 35.6 | 7.74 | K 7.90 | K 8.53 | K 7.90 | K 7.74 | K 7.74 | K 39.3 | 20.5 | 27.5 |
| 30. | 29.4 | 35.2 | 56.6 | | 30.0 | 7.74 | K 7.90 | K 7.46 | K 7.90 | K 7.74 | K 7.74 | K 39.3 | 34.4 | 42.4 |
| 31. | | 39.9 | 64.7 | | 25.0 | | K 7.74 | | K 7.90 | K 7.74 | | K 39.3 | | 66.2 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1.+ | 18. | 12.+ | 10.+ | 13. | 18.+ | 23. | 30. | 1. | 2.+ | 1.+ | 5.+ | 19. | 12. |
| NQ | 8.04 | 20.1 | 9.59 | 39.9 | 17.8 | 7.74 | 7.32 | 7.46 | 7.46 | 7.60 | 7.74 | 7.74 | 15.3 | 11.1 |
| MQ | 13.2 | 33.5 | 25.7 | 70.3 | 46.8 | 11.5 | 7.94 | 7.79 | 8.05 | 7.67 | 7.79 | 15.7 | 44.4 | 39.1 |
| HQ | 30.4 | 50.0 | 74.8 | 101 | 98.5 | 25.0 | 10.8 | 15.3 | 16.0 | 8.80 | 13.5 | 41.8 | 64.5 | 103 |
| Tag | 30. | 31. | 31. | 26.+ | 4.+ | 1.+ | 25. | 27.+ | 21. | 10. | 14. | 28. | 24. | 3. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 21 | 54 | 41 | 102 | 75 | 18 | 13 | 12 | 13 | 12 | 12 | 25 | 69 | 63 |

| | 1954/2001 | | 1955/2002 | | | | | | 48 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1982 | 1965 | 1965 | 1977 | 1977+ | 1977+ | 1977 | 1979 | 1977 | 1984 | 1982 | 1964 | 1982 |
| NQ | 0.380 | 0.000 | 0.500 | 0.440 | 0.000 | 0.000 | 0.000 | 1.10 | 1.98 | 0.700 | 1.10 | 1.43 | 0.380 | 0.000 |
| MNQ | 7.59 | 7.30 | 8.59 | 9.72 | 8.87 | 7.98 | 6.77 | 7.52 | 7.34 | 7.18 | 7.40 | 7.67 | 7.65 | 7.25 |
| MQ | 14.8 | 18.9 | 21.4 | 21.3 | 22.7 | 21.7 | 13.9 | 14.2 | 12.4 | 11.6 | 11.8 | 13.3 | 15.4 | 19.4 |
| MHQ | 32.6 | 41.7 | 44.9 | 42.9 | 46.6 | 45.3 | 34.6 | 32.5 | 26.5 | 23.2 | 26.5 | 31.5 | 33.5 | 43.2 |
| HQ | 125 | 141 | 138 | 117 | 121 | 152 | 110 | 91.0 | 120 | 85.0 | 75.1 | 141 | 125 | 141 |
| Jahr | 1998 | 1974 | 1982 | 1980 | 1987 | 1988 | 1970 | 1965 | 1958 | 1970 | 1970 | 1970 | 1998 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 23 | 30 | 34 | 31 | 37 | 34 | 22 | 22 | 20 | 19 | 18 | 21 | 24 | 31 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 7.32 | am 23.05.2002 | 7.74 | 7.32 |
| MQ | m³/s | 21.1 | | 33.2 | 9.18 |
| HQ | m³/s | 101 | am 26.02.2002 | 101 | 41.8 |
| Nq | l/(skm²) | 4.40 | | 4.65 | 4.40 |
| Mq | l/(skm²) | 12.7 | | 19.9 | 5.51 |
| Hq | l/(skm²) | 60.7 | | 60.7 | 25.1 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 400 | | 312 | 88 |

### Kalenderjahr 2002

| | Jahr | Datum |
|---|---|---|
| NQ | 7.32 | am 23.05.2002 |
| MQ | 24.1 | |
| HQ | 103 | am 03.12.2002 |
| Nq | 4.40 | |
| Mq | 14.5 | |
| Hq | 61.9 | |
| $h_N$ | | |
| $h_A$ | 456 | |

### 1955/2002 (*) 48 Jahre

| | | | | | |
|---|---|---|---|---|---|
| NQ | m³/s | 0.000 | am 14.04.1994 | 0.000 | 0.000 |
| MNQ | m³/s | 3.28 | | 3.97 | 4.83 |
| MQ | m³/s | 16.5 | | 20.1 | 12.9 |
| MHQ | m³/s | 84.1 | | 75.2 | 52.3 |
| HQ | m³/s | 152 | am 06.04.1988 | 152 | 141 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(skm²) | 1.97 | | 2.38 | 2.90 |
| Mq | l/(skm²) | 9.91 | | 12.1 | 7.75 |
| MHq | l/(skm²) | 50.5 | | 45.2 | 31.4 |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 313 | | 189 | 123 |

### 1955/2002 48 Kalenderjahre

| | | | |
|---|---|---|---|
| NQ | 0.000 | am 14.04.1994 | |
| MNQ | 3.25 | | |
| MQ | 16.6 | | |
| MHQ | 85.8 | | |
| HQ | 152 | am 06.04.1988 | |
| $HQ_1$ | | | |
| $HQ_5$ | | | |
| MNq | 1.95 | | |
| Mq | 9.97 | | |
| MHq | 51.5 | | |
| $Mh_N$ | | | |
| $Mh_A$ | 314 | | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | | 14.04.1994 | 152 | 91.3 | | 06.04.1988 |
| 2 | 0.000 | | 11.04.1984+ | 141 | 84.7 | | 16.12.1974 |
| 3 | 0.000 | | 01.04.1984+ | 141 | 84.7 | | 01.10.1970 |
| 4 | 0.000 | | 17.12.1982+ | 138 | 82.9 | | 11.01.1982+ |
| 5 | 0.000 | | 01.04.1977+ | 130 | 78.1 | | 29.12.1966 |
| 6 | 0.000 | | 16.03.1977+ | 128 | 76.9 | | 29.12.1993 |
| 7 | 0.230 | 0.138 | 08.04.1972 | 125 | 75.1 | | 03.11.1998 |
| 8 | 0.230 | 0.138 | 14.04.1964+ | 121 | 72.7 | | 06.03.1987 |
| 9 | 0.330 | 0.198 | 04.05.1973+ | 120 | 72.1 | | 07.07.1958 |
| 10 | 0.380 | 0.228 | 20.11.1964+ | 118 | 70.9 | | 31.03.1988 |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1955/2002 48 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 96.8 | 99.4 | 147 | 105 | 19.0 |
| 363 | 96.8 | 98.5 | 147 | 94.4 | 17.0 |
| 362 | 96.8 | 98.5 | 131 | 89.4 | 16.0 |
| 361 | 94.2 | 98.5 | 130 | 83.6 | 14.2 |
| 360 | 93.4 | 96.8 | 122 | 80.0 | 13.8 |
| 359 | 90.4 | 96.8 | 118 | 75.8 | 13.8 |
| 358 | 89.3 | 94.2 | 115 | 71.2 | 13.8 |
| 357 | 89.3 | 93.4 | 115 | 68.0 | 13.7 |
| 356 | 89.3 | 90.4 | 115 | 63.1 | 13.7 |
| 350 | 84.4 | 86.6 | 110 | 50.8 | 11.1 |
| 340 | 72.1 | 78.6 | 81.7 | 40.1 | 9.28 |
| 330 | 50.8 | 66.2 | 77.3 | 32.6 | 8.48 |
| 320 | 44.4 | 53.9 | 69.0 | 30.7 | 7.70 |
| 300 | 36.8 | 47.2 | 50.5 | 25.0 | 7.70 |
| 270 | 27.8 | 35.0 | 35.0 | 18.2 | 7.46 |
| 240 | 17.8 | 20.5 | 28.8 | 15.3 | 7.21 |
| 210 | 12.8 | 15.3 | 23.3 | 13.2 | 6.97 |
| 183 | 9.62 | 10.2 | 20.5 | 11.8 | 5.82 |
| 150 | 8.08 | 8.29 | 18.5 | 10.1 | 5.60 |
| 130 | 8.04 | 8.08 | 17.5 | 9.28 | 5.54 |
| 120 | 8.04 | 8.08 | 17.5 | 8.81 | 5.38 |
| 110 | 7.90 | 7.90 | 17.0 | 8.25 | 5.31 |
| 100 | 7.90 | 7.90 | 16.5 | 7.94 | 5.31 |
| 90 | 7.90 | 7.90 | 16.5 | 7.58 | 5.31 |
| 80 | 7.90 | 7.90 | 15.6 | 7.21 | 4.74 |
| 70 | 7.90 | 7.90 | 15.6 | 6.67 | 3.82 |
| 60 | 7.90 | 7.90 | 13.1 | 6.13 | 1.88 |
| 50 | 7.90 | 7.90 | 12.4 | 5.70 | 1.61 |
| 40 | 7.90 | 7.90 | 11.8 | 5.37 | 1.43 |
| 30 | 7.90 | 7.90 | 11.0 | 5.22 | 1.10 |
| 25 | 7.90 | 7.90 | 11.0 | 5.16 | 0.700 |
| 20 | 7.74 | 7.74 | 11.0 | 4.95 | 0.620 |
| 15 | 7.74 | 7.74 | 10.6 | 4.74 | 0.280 |
| 10 | 7.74 | 7.74 | 10.2 | 3.62 | 0.040 |
| 9 | 7.74 | 7.74 | 9.91 | 3.25 | 0.040 |
| 8 | 7.74 | 7.74 | 9.91 | 2.83 | 0.040 |
| 7 | 7.74 | 7.74 | 9.91 | 2.53 | 0.040 |
| 6 | 7.74 | 7.74 | 9.40 | 2.05 | 0.040 |
| 5 | 7.74 | 7.74 | 9.00 | 1.53 | 0.040 |
| 4 | 7.74 | 7.74 | 9.00 | 1.41 | 0.040 |
| 3 | 7.60 | 7.60 | 8.00 | 1.20 | 0.040 |
| 2 | 7.60 | 7.60 | 8.00 | 0.550 | 0.040 |
| 1 | 7.60 | 7.60 | 8.00 | 0.040 | 0.040 |
| 0 | 7.32 | 7.32 | 7.44 | 0.000 | 0.000 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

Beeinflussung durch TS-Steuerung

2 Tage Randeis, 184 Tage Verkrautung(Sommerhalbjahr)

01.11.-28.11.01 zusätzlich Verkrautung

$A_{Eo}$ : 2678 km²

PNP : NN + 190.19 m

Lage: 258.0 km oberhalb Mündung rechts

Q

m³/s

Pegel : Rudolstadt Nr. 570270

Gewässer : Saale

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 11.1 | 46.0 | 53.2 | 113 | 162 | 36.8 | K 11.1 | K 12.6 | K 10.6 | K 11.1 | K 9.60 | K 9.20 | 51.4 | 128 |
| 2. | 10.6 | 46.0 | 53.2 | 105 | 147 | 34.4 | K 11.6 | K 12.1 | K 10.6 | K 9.60 | K 9.20 | K 9.20 | 51.4 | 141 |
| 3. | 10.6 | 44.2 | 49.6 | 102 | 138 | 29.8 | K 11.6 | K 11.6 | K 11.6 | K 8.80 | K 9.20 | K 9.20 | 53.2 | 145 |
| 4. | 10.6 | 44.2 | 36.0 | 99.0 | 135 | 28.4 | K 16.2 | K 11.6 | K 11.1 | K 9.20 | K 9.60 | K 9.20 | 58.9 | 142 |
| 5. | 10.6 | 45.1 | 32.8 | 89.2 | 133 | 27.7 | K 18.0 | K 11.6 | K 11.6 | K 8.80 | K 9.20 | K 8.80 | 64.0 | 137 |
| 6. | 10.6 | 48.7 | 33.6 | 78.6 | 127 | 22.2 | K 17.4 | K 14.6 | K 11.1 | K 8.00 | K 10.1 | K 11.6 | 70.6 | 114 |
| 7. | 10.6 | 57.9 | 36.0 | 65.1 | 127 | 22.2 | K 16.2 | K 22.8 | K 11.1 | K 9.20 | K 9.60 | K 15.6 | 68.4 | 99.0 |
| 8. | 16.2 | 64.0 | 30.5 | 58.9 | 107 | 21.6 | K 16.2 | K 28.4 | K 11.1 | K 11.1 | K 9.60 | K 17.4 | 67.3 | 96.2 |
| 9. | 27.7 | 60.9 | 28.4 | 57.9 | 78.6 | 21.6 | K 15.6 | K 24.9 | K 11.1 | K 10.6 | K 9.20 | K 16.2 | 73.9 | 69.5 |
| 10. | 25.6 | 59.9 | 23.5 | 61.9 | 77.4 | 19.2 | K 17.4 | K 22.2 | K 11.6 | K 10.1 | K 9.60 | K 15.6 | 76.2 | 45.1 |
| 11. | 24.2 | 59.9 | 21.0 | 64.0 | 65.1 | 15.6 | K 18.0 | K 20.4 | K 12.1 | K 9.60 | K 11.1 | K 13.6 | 71.7 | 32.8 |
| 12. | 23.5 | 57.9 | 14.1 | 71.7 | 49.6 | 15.6 | K 22.2 | K 19.2 | K 11.1 | K 12.1 | K 10.1 | K 10.1 | 79.9 | 25.6 |
| 13. | 24.9 | 55.9 | 14.1 | 106 | 37.6 | 15.1 | K 24.9 | K 18.0 | K 10.6 | K 11.1 | K 10.1 | K 10.1 | 83.8 | 24.2 |
| 14. | 22.8 | 50.5 | 13.6 | 121 | 33.6 | 16.2 | K 22.8 | K 16.8 | K 12.1 | K 10.1 | K 12.1 | K 9.60 | 79.9 | 26.3 |
| 15. | 22.2 | 44.2 | 13.1 | 117 | 33.6 | 16.2 | K 21.0 | K 16.2 | K 11.1 | K 9.60 | K 10.1 | K 10.6 | 76.2 | 26.3 |
| 16. | 21.6 | 38.4 | 13.1 | 117 | 32.8 | 15.6 | K 19.2 | K 15.6 | K 11.6 | K 9.20 | K 9.60 | K 13.1 | 72.8 | 26.3 |
| 17. | 21.0 | 32.0 | 13.6 | 119 | 31.2 | 14.6 | K 18.0 | K 14.6 | K 13.6 | K 8.80 | K 9.60 | K 15.6 | 70.6 | 26.3 |
| 18. | 21.0 | 27.7 | 13.6 | 116 | 30.5 | 13.6 | K 17.4 | K 13.6 | K 13.1 | K 9.20 | K 9.60 | K 16.8 | 58.9 | 25.6 |
| 19. | 20.4 | 28.4 | 13.6 | 112 | 32.8 | 12.1 | K 19.8 | K 13.1 | K 11.6 | K 8.80 | K 9.60 | K 19.8 | 27.7 | 24.9 |
| 20. | 20.4 | 36.0 | 14.1 | 113 | 32.8 | 11.6 | K 18.0 | K 13.6 | K 11.1 | K 9.20 | K 9.20 | K 19.2 | 58.9 | 24.9 |
| 21. | 19.8 | 40.0 | 24.9 | 117 | 37.6 | 11.1 | K 17.4 | K 14.1 | K 13.1 | K 9.60 | K 9.20 | K 19.2 | 67.3 | 24.9 |
| 22. | 20.4 | 37.6 | 43.3 | 117 | 48.7 | 11.1 | K 18.6 | K 13.1 | K 10.6 | K 10.6 | K 9.60 | K 20.4 | 69.5 | 24.9 |
| 23. | 21.6 | 36.8 | 53.2 | 121 | 58.9 | 11.1 | K 14.6 | K 12.1 | K 10.1 | K 10.1 | K 10.1 | K 23.5 | 71.7 | 34.4 |
| 24. | 20.4 | 36.8 | 54.1 | 119 | 64.0 | 11.6 | K 17.4 | K 12.1 | K 10.6 | K 9.20 | K 10.6 | K 23.5 | 68.4 | 43.3 |
| 25. | 20.4 | 41.6 | 87.8 | 116 | 62.9 | 12.1 | K 15.1 | K 11.6 | K 10.6 | K 9.20 | K 10.1 | K 23.5 | 67.3 | 42.4 |
| 26. | 23.5 | 40.8 | 96.2 | 145 | 61.9 | 11.1 | K 14.6 | K 11.6 | K 10.1 | K 9.20 | K 10.1 | K 41.6 | 67.3 | 42.4 |
| 27. | 32.0 | 40.0 | 147 | 220 | 58.9 | 12.1 | K 14.6 | K 12.1 | K 10.1 | K 11.1 | K 10.6 | K 55.0 | 66.2 | 40.8 |
| 28. | 38.4 | 41.6 | 197 | 197 | 54.1 | 12.6 | K 16.2 | K 10.6 | K 9.60 | K 13.6 | K 10.6 | K 61.9 | 54.1 | 32.0 |
| 29. | 42.4 | 43.3 | 167 | | 49.6 | 11.6 | K 14.6 | K 12.6 | K 9.60 | K 11.6 | K 10.1 | K 62.9 | 41.6 | 38.4 |
| 30. | 46.9 | 42.4 | 133 | | 45.1 | 11.1 | K 13.6 | K 10.1 | K 9.60 | K 10.6 | K 9.60 | K 57.9 | 77.4 | 66.2 |
| 31. | | 44.2 | 117 | | 37.6 | | K 13.6 | | K 9.60 | K 10.1 | | K 55.0 | | 130 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 2.+ | 18. | 15.+ | 9. | 18. | 21.+ | 1. | 30. | 28.+ | 6. | 2.+ | 5. | 19. | 13. |
| NQ | 10.6 | 27.7 | 13.1 | 57.9 | 30.5 | 11.1 | 11.1 | 10.1 | 9.60 | 8.00 | 9.20 | 8.80 | 27.7 | 24.2 |
| MQ | 21.7 | 44.9 | 52.9 | 109 | 70.7 | 17.5 | 16.9 | 15.1 | 11.1 | 9.97 | 9.89 | 22.7 | 65.6 | 61.3 |
| HQ | 49.6 | 65.1 | 205 | 229 | 179 | 38.4 | 30.5 | 34.4 | 19.8 | 20.4 | 16.2 | 67.3 | 112 | 149 |
| Tag | 29. | 7. | 28. | 27. | 1. | 1. | 12. | 7. | 21. | 27. | 14. | 29. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 21 | 45 | 53 | 98 | 71 | 17 | 17 | 15 | 11 | 10 | 10 | 23 | 63 | 61 |

| | 1942/2001 | | 1943/2002 | | | | | | 56 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1967 | 1997 | 1963 | 1954 | 1972 | 1963 | 1998 | 1947 | 1947 | 1946+ | 1999 | 1997 | 1967 | 1997 |
| NQ | 4.04 | 6.40 | 5.20 | 5.14 | 6.84 | 6.88 | 5.70 | 3.20 | 5.40 | 5.40 | 4.90 | 5.82 | 4.04 | 6.40 |
| MNQ | 13.2 | 15.0 | 16.7 | 19.6 | 20.6 | 19.0 | 13.0 | 12.0 | 10.9 | 10.5 | 10.9 | 11.4 | 13.2 | 14.9 |
| MQ | 22.0 | 30.7 | 34.1 | 35.2 | 38.9 | 36.5 | 21.9 | 21.9 | 18.4 | 16.7 | 16.9 | 18.7 | 22.7 | 31.4 |
| MHQ | 40.9 | 60.9 | 70.1 | 68.8 | 74.1 | 70.0 | 43.7 | 44.7 | 37.5 | 33.1 | 33.0 | 38.0 | 42.4 | 63.6 |
| HQ | 224 | 175 | 212 | 315 | 179 | 363 | 137 | 121 | 212 | 174 | 81.2 | 161 | 224 | 175 |
| Jahr | 1998 | 1993 | 1982 | 1946 | 2002 | 1994 | 1969 | 1965 | 1958 | 1981 | 1998 | 1998 | 1998 | 1993 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 21 | 31 | 34 | 32 | 39 | 35 | 22 | 21 | 18 | 17 | 16 | 19 | 22 | 31 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 8.00 | am 06.08.2002 | 10.6 | 8.00 |
| MQ | m³/s | 33.1 | | 52.2 | 14.3 |
| HQ | m³/s | 229 | am 27.02.2002 | 229 | 67.3 |
| Nq | l/(skm²) | 2.99 | | 3.96 | 2.99 |
| Mq | l/(skm²) | 12.4 | | 19.5 | 5.34 |
| Hq | l/(skm²) | 85.5 | | 85.5 | 25.1 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 390 | | 305 | 85 |

### Kalenderjahr 2002

| | | Jahr | Datum |
|---|---|---|---|
| NQ | m³/s | 8.00 | am 06.08.2002 |
| MQ | m³/s | 38.1 | |
| HQ | m³/s | 229 | am 27.02.2002 |
| Nq | l/(skm²) | 2.99 | |
| Mq | l/(skm²) | 14.2 | |
| Hq | l/(skm²) | 85.5 | |
| $h_N$ | mm | | |
| $h_A$ | mm | 449 | |

| | 1943/2002 (*) 58 Jahre | | | | 1943/2002 | |
|---|---|---|---|---|---|---|
| NQ | m³/s | 3.20 | am 28.06.1947 | 4.04 | 3.20 | 3.20 | am 28.06.1947 |
| MNQ | m³/s | 7.54 | | 10.4 | 8.04 | 7.55 | |
| MQ | m³/s | 25.9 | | 32.8 | 19.2 | 26.1 | |
| MHQ | m³/s | 128 | | 119 | 69.8 | 133 | |
| HQ | m³/s | 363 | am 13.04.1994 | 363 | 212 | 363 | am 13.04.1994 |
| $HQ_1$ | m³/s | | | | | | |
| $HQ_5$ | m³/s | | | | | | |
| MNq | l/(skm²) | 2.82 | | 3.88 | 3.00 | 2.82 | |
| Mq | l/(skm²) | 9.67 | | 12.2 | 7.17 | 9.75 | |
| MHq | l/(skm²) | 47.8 | | 44.4 | 26.1 | 49.7 | |
| $Mh_N$ | mm | | | | | | |
| $Mh_A$ | mm | 305 | | 192 | 114 | 307 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 3.20 | 1.19 | 28.06.1947 | 363 | 136 | | 13.04.1994 |
| 2 | 4.04 | 1.51 | 25.11.1967+ | 315 | 118 | | 09.02.1946 |
| 3 | 4.90 | 1.83 | 16.09.1999+ | 229 | 85.5 | | 27.02.2002 |
| 4 | 5.14 | 1.92 | 21.02.1954 | 224 | 83.6 | | 01.11.1998 |
| 5 | 5.20 | 1.94 | 15.01.1963 | 221 | 82.5 | | 02.04.1988 |
| 6 | 5.40 | 2.02 | 08.06.1998+ | 212 | 79.2 | | 06.01.1982 |
| 7 | 5.40 | 2.02 | 23.07.1947+ | 212 | 79.2 | | 07.07.1958 |
| 8 | 5.40 | 2.02 | 09.08.1946 | 205 | 76.5 | | 28.01.2002 |
| 9 | 5.51 | 2.06 | 30.09.1997 | 184 | 68.7 | | 06.01.1994 |
| 10 | 5.61 | 2.09 | 18.08.1964 | 179 | 66.8 | | 31.01.1995 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1943/2002 56 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 220 | 220 | 546 | 155 | 30.3 |
| 363 | 220 | 220 | 220 | 140 | 26.7 |
| 362 | 220 | 220 | 220 | 129 | 25.1 |
| 361 | 167 | 167 | 194 | 123 | 22.2 |
| 360 | 162 | 162 | 182 | 116 | 22.2 |
| 359 | 162 | 162 | 175 | 110 | 22.2 |
| 358 | 162 | 162 | 162 | 104 | 20.7 |
| 357 | 145 | 147 | 159 | 99.0 | 20.7 |
| 356 | 138 | 147 | 158 | 94.2 | 20.7 |
| 350 | 127 | 135 | 139 | 73.1 | 18.7 |
| 340 | 117 | 119 | 127 | 61.0 | 18.5 |
| 330 | 89.2 | 112 | 112 | 53.2 | 17.4 |
| 320 | 65.1 | 87.8 | 89.1 | 46.6 | 16.7 |
| 300 | 55.0 | 69.5 | 69.5 | 38.5 | 15.9 |
| 270 | 40.0 | 54.1 | 57.9 | 29.9 | 14.1 |
| 240 | 28.4 | 34.4 | 42.4 | 24.1 | 13.0 |
| 210 | 21.0 | 24.2 | 36.8 | 20.6 | 11.6 |
| 183 | 17.4 | 18.6 | 33.5 | 18.2 | 9.60 |
| 150 | 14.1 | 15.1 | 26.8 | 16.2 | 8.80 |
| 130 | 13.1 | 13.6 | 25.4 | 15.1 | 8.00 |
| 120 | 12.6 | 12.6 | 24.7 | 14.5 | 8.00 |
| 110 | 12.1 | 12.1 | 24.0 | 13.9 | 7.60 |
| 100 | 11.6 | 12.1 | 23.3 | 13.3 | 7.60 |
| 90 | 11.6 | 11.6 | 23.3 | 12.7 | 7.48 |
| 80 | 11.1 | 11.6 | 22.6 | 12.2 | 7.13 |
| 70 | 11.1 | 11.1 | 21.9 | 11.7 | 7.13 |
| 60 | 10.6 | 10.6 | 21.2 | 11.1 | 6.80 |
| 50 | 10.6 | 10.6 | 20.5 | 10.5 | 6.79 |
| 40 | 10.1 | 10.1 | 19.9 | 9.73 | 6.79 |
| 30 | 10.1 | 10.1 | 18.6 | 9.04 | 6.40 |
| 25 | 10.1 | 10.1 | 18.6 | 8.69 | 6.40 |
| 20 | 9.60 | 9.60 | 17.9 | 8.30 | 6.00 |
| 15 | 9.60 | 9.60 | 17.9 | 7.86 | 5.70 |
| 10 | 9.60 | 9.60 | 17.3 | 7.31 | 5.40 |
| 9 | 9.60 | 9.60 | 16.7 | 7.24 | 5.40 |
| 8 | 9.60 | 9.60 | 16.7 | 7.10 | 5.40 |
| 7 | 9.60 | 9.60 | 16.1 | 6.88 | 5.40 |
| 6 | 9.60 | 9.60 | 16.1 | 6.82 | 5.40 |
| 5 | 9.20 | 9.20 | 16.1 | 6.79 | 5.00 |
| 4 | 9.20 | 9.20 | 15.1 | 6.41 | 5.00 |
| 3 | 9.20 | 9.20 | 15.1 | 6.40 | 5.00 |
| 2 | 9.20 | 9.20 | 14.5 | 6.04 | 4.32 |
| 1 | 9.20 | 9.20 | 14.5 | 5.72 | 4.30 |
| 0 | 8.00 | 8.00 | 14.2 | 3.20 | 3.20 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1945 ,1951-1952; AJ 1945 ,1952;
Beeinflussung durch TS-Steuerung
184 Tage Verkrautung(Sommerhalbjahr)

$A_{Eo}$ : 3977 km²

PNP : NN + 118.61 m

Lage: 187.0 km oberhalb Mündung links

Q

m³/s

Pegel : Camburg-Stöben Nr. 570330

Gewässer : Saale

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 13.5 | 49.5 | 52.9 | 111 | 183 | 44.5 | 12.9 | K 16.8 | K 12.9 | K 15.3 | K 13.4 | 12.0 | 56.3 | 141 |
| 2. | 13.1 | 50.6 | 58.0 | 107 | 161 | 42.9 | 13.4 | K 16.3 | K 12.9 | K 14.8 | K 12.9 | 12.4 | 53.5 | 149 |
| 3. | 12.7 | 50.6 | 58.0 | 102 | 140 | 37.4 | 13.4 | K 15.8 | K 13.9 | K 12.4 | K 12.4 | 12.4 | 59.7 | 147 |
| 4. | 12.3 | 49.5 | 48.5 | 98.0 | 134 | 34.1 | 16.3 | K 15.3 | K 13.9 | K 12.0 | K 12.4 | 13.4 | 64.1 | 148 |
| 5. | 12.3 | 49.5 | 39.6 | 94.8 | 132 | 33.0 | 25.3 | K 15.8 | K 12.9 | K 12.4 | K 12.4 | 12.9 | 66.4 | 143 |
| 6. | 12.3 | 51.2 | 39.6 | 84.6 | 128 | 29.7 | 22.7 | K 17.3 | K 13.4 | K 12.4 | K 12.4 | 14.8 | 70.3 | 136 |
| 7. | 12.3 | 60.2 | 41.8 | 75.9 | 124 | 25.8 | 23.2 | K 29.1 | K 13.9 | K 12.4 | K 12.9 | 19.2 | 71.4 | 114 |
| 8. | 16.7 | 65.8 | 40.7 | 65.8 | 122 | 25.8 | 21.2 | K 33.5 | K 13.9 | K 14.8 | K 12.0 | 20.7 | 70.3 | 107 |
| 9. | 28.2 | 65.3 | 36.8 | 64.7 | 89.4 | 24.7 | 21.2 | K 33.0 | K 12.9 | K 16.8 | K 11.5 | 20.7 | 72.0 | 104 |
| 10. | 28.7 | 62.5 | 32.4 | 64.1 | 83.4 | 24.7 | 20.7 | K 29.1 | K 13.4 | K 15.3 | K 12.0 | 18.8 | 78.2 | 63.6 |
| 11. | 27.2 | 63.6 | 28.6 | 66.9 | 79.9 | 20.7 | 32.4 | K 28.0 | K 14.8 | K 18.8 | K 16.3 | 18.8 | 78.2 | 52.4 |
| 12. | 25.7 | 62.5 | 23.2 | 69.2 | 58.0 | 18.8 | 26.4 | K 24.7 | K 14.8 | K 23.7 | K 14.8 | 14.4 | 80.5 | 36.8 |
| 13. | 26.2 | 62.5 | 20.2 | 85.2 | 48.5 | 18.8 | 34.6 | K 23.2 | K 13.4 | K 27.5 | K 12.0 | 12.9 | 85.2 | 30.2 |
| 14. | 26.7 | 59.1 | 18.8 | 111 | 39.0 | 20.2 | 31.3 | K 22.2 | K 13.9 | K 18.8 | K 12.4 | 12.4 | 84.6 | 32.4 |
| 15. | 25.2 | 50.7 | 17.8 | 109 | 41.2 | 22.2 | 29.1 | K 20.7 | K 14.4 | K 15.8 | K 14.8 | 12.4 | 81.7 | 33.0 |
| 16. | 24.7 | 48.5 | 16.3 | 111 | 40.7 | 20.2 | 26.9 | K 20.2 | K 14.8 | K 14.4 | K 12.0 | 15.8 | 78.2 | 31.9 |
| 17. | 24.2 | 39.0 | 17.8 | 111 | 39.0 | 18.8 | 24.7 | K 18.3 | K 20.2 | K 12.9 | K 12.0 | 17.3 | 74.8 | 31.9 |
| 18. | 23.7 | 34.1 | R 17.3 | 111 | 37.9 | 17.3 | 22.7 | K 17.3 | K 20.2 | K 13.4 | K 11.5 | 18.8 | 72.5 | 30.8 |
| 19. | 22.7 | 31.9 | R 17.3 | 108 | 37.9 | 15.3 | 23.2 | K 15.8 | K 16.3 | K 12.9 | K 12.0 | 22.2 | 47.9 | 31.3 |
| 20. | 23.2 | 35.2 | R 17.8 | 109 | 41.2 | 13.9 | 25.8 | K 17.3 | K 14.8 | K 12.4 | K 12.0 | 22.7 | 59.7 | 30.8 |
| 21. | 23.2 | 42.3 | 23.7 | 111 | 43.4 | 13.4 | 22.7 | K 18.8 | K 13.9 | K 12.4 | K 11.5 | 22.2 | 73.1 | 30.8 |
| 22. | 22.2 | 41.2 | 44.5 | 112 | 53.5 | 12.9 | 22.7 | K 17.8 | K 16.3 | K 18.3 | K 12.0 | 23.7 | 76.5 | 30.8 |
| 23. | 26.2 | 41.2 | 62.5 | 116 | 69.2 | 13.4 | 21.7 | K 16.8 | K 13.9 | K 16.3 | K 12.9 | 26.4 | 82.8 | 53.5 |
| 24. | 24.7 | 39.0 | 55.7 | 118 | 74.2 | 13.4 | 22.2 | K 15.8 | K 13.9 | K 13.4 | K 13.9 | 26.9 | 79.3 | 54.6 |
| 25. | 24.2 | 44.0 | 70.9 | 114 | 73.7 | 13.9 | 22.2 | K 15.8 | K 13.9 | K 13.9 | K 11.0 | 26.4 | 77.6 | 57.4 |
| 26. | 26.7 | 46.2 | 88.2 | 121 | 72.0 | 13.9 | 20.7 | K 16.3 | K 13.9 | K 12.0 | K 12.4 | 30.8 | 75.3 | 54.6 |
| 27. | 32.8 | 45.7 | 99.2 | 158 | 69.7 | 13.9 | 20.2 | K 14.8 | K 13.9 | K 12.4 | K 13.9 | 51.8 | 73.7 | 55.7 |
| 28. | 40.2 | 45.7 | 148 | 192 | 64.1 | 14.8 | 21.2 | K 16.3 | K 13.4 | K 23.7 | K 13.9 | 59.7 | 69.7 | 49.6 |
| 29. | 44.0 | 49.0 | 167 | | 60.2 | 14.4 | 20.2 | K 13.4 | K 12.4 | K 16.8 | K 12.0 | 61.9 | 60.2 | 44.5 |
| 30. | 48.4 | 49.0 | 150 | | 57.4 | 13.9 | 18.8 | K 15.3 | K 12.9 | K 14.8 | K 12.0 | 61.3 | 82.8 | 75.3 |
| 31. | | 47.3 | 120 | | 47.9 | | 18.3 | | K 12.4 | K 13.9 | | 58.5 | | 125 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 4.+ | 19. | 16. | 10. | 18.+ | 22. | 1. | 29. | 29.+ | 4.+ | 25. | 1. | 19. | 13. |
| NQ | 12.3 | 31.9 | 16.3 | 64.1 | 37.9 | 12.9 | 12.9 | 13.4 | 12.4 | 12.0 | 11.0 | 12.0 | 47.9 | 30.2 |
| MQ | 24.1 | 49.4 | 54.0 | 104 | 78.9 | 21.6 | 22.5 | 19.7 | 14.3 | 15.4 | 12.7 | 25.0 | 71.9 | 71.8 |
| HQ | 51.8 | 67.5 | 171 | 197 | 193 | 46.2 | 43.4 | 40.1 | 24.2 | 35.2 | 20.2 | 63.6 | 131 | 157 |
| Tag | 30. | 9. | 29. | 28. | 1. | 1. | 11. | 8. | 18. | 12. | 11.+ | 29. | 30. | 2. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 16 | 33 | 36 | 63 | 53 | 14 | 15 | 13 | 10 | 10 | 8 | 17 | 47 | 48 |

| | 1931/2001 | | 1932/2002 | | | | | | 71 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1947 | 1947 | 1964 | 1963 | 1949 | 1949 | 1949 | 1934 | 1934 | 1949 | 1947 | 1949 | 1947 | 1947 |
| NQ | 6.50 | 6.08 | 6.84 | 8.00 | 8.18 | 9.10 | 8.60 | 6.60 | 5.40 | 6.50 | 5.55 | 6.08 | 6.50 | 6.08 |
| MNQ | 18.3 | 19.2 | 21.3 | 24.6 | 26.9 | 24.8 | 18.0 | 16.4 | 15.2 | 14.1 | 14.3 | 14.8 | 18.8 | 19.4 |
| MQ | 28.6 | 34.9 | 39.0 | 39.8 | 46.4 | 43.8 | 28.6 | 27.3 | 23.4 | 21.2 | 21.1 | 22.8 | 29.3 | 35.7 |
| MHQ | 49.7 | 64.5 | 75.5 | 70.1 | 81.9 | 77.1 | 53.5 | 55.0 | 46.5 | 38.9 | 37.0 | 41.8 | 51.1 | 66.2 |
| HQ | 258 | 299 | 203 | 273 | 193 | 282 | 235 | 274 | 236 | 173 | 141 | 162 | 258 | 299 |
| Jahr | 1940 | 1939 | 1982 | 1946 | 2002 | 1994 | 1941 | 1941 | 1958 | 1981 | 1939 | 1998 | 1940 | 1939 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 19 | 24 | 26 | 24 | 31 | 29 | 19 | 18 | 16 | 14 | 14 | 15 | 19 | 24 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 11.0 | am 25.09.2002 | 12.3 | 11.0 |
| MQ | m³/s | 36.4 | | 54.8 | 18.3 |
| HQ | m³/s | 197 | am 28.02.2002 | 197 | 63.6 |
| Nq | l/(s km²) | 2.77 | | 3.09 | 2.77 |
| Mq | l/(s km²) | 9.15 | | 13.8 | 4.60 |
| Hq | l/(s km²) | 49.5 | | 49.5 | 16.0 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 289 | | 215 | 73 |

### Kalenderjahr 2002

| | | Jahr | Datum |
|---|---|---|---|
| NQ | m³/s | 11.0 | am 25.09.2002 |
| MQ | m³/s | 42.2 | |
| HQ | m³/s | 197 | am 28.02.2002 |
| Nq | l/(s km²) | 2.77 | |
| Mq | l/(s km²) | 10.6 | |
| Hq | l/(s km²) | 49.5 | |
| $h_N$ | mm | | |
| $h_A$ | mm | 335 | |

| | 1932/2002 (*) 71 Jahre | | | 1932/2002 | |
|---|---|---|---|---|---|
| NQ | m³/s | 5.40 | am 08.07.1934 | 5.40 | am 08.07.1934 |
| MNQ | m³/s | 10.9 | | 11.1 | |
| MQ | m³/s | 31.4 | | 31.5 | |
| MHQ | m³/s | 138 | | 140 | |
| HQ | m³/s | 299 | am 03.12.1939 | 299 | am 03.12.1939 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(s km²) | 2.74 | | 2.79 | |
| Mq | l/(s km²) | 7.90 | | 7.92 | |
| MHq | l/(s km²) | 34.7 | | 35.2 | |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 249 | | 250 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1932/2002 71 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 192 | 192 | 291 | 167 | 29.8 |
| 363 | 183 | 183 | 276 | 153 | 29.8 |
| 362 | 167 | 167 | 276 | 144 | 29.8 |
| 361 | 161 | 161 | 276 | 136 | 25.4 |
| 360 | 158 | 158 | 221 | 128 | 25.2 |
| 359 | 150 | 150 | 218 | 122 | 25.2 |
| 358 | 148 | 149 | 191 | 117 | 25.2 |
| 357 | 140 | 149 | 181 | 112 | 24.6 |
| 356 | 134 | 149 | 175 | 107 | 24.6 |
| 350 | 120 | 134 | 164 | 86.1 | 23.6 |
| 340 | 112 | 116 | 139 | 70.9 | 22.8 |
| 330 | 88.2 | 111 | 128 | 61.5 | 22.7 |
| 320 | 69.7 | 88.2 | 113 | 54.5 | 22.7 |
| 300 | 59.1 | 74.8 | 93.8 | 45.0 | 19.6 |
| 270 | 44.5 | 60.2 | 78.4 | 35.7 | 17.2 |
| 240 | 32.8 | 41.8 | 70.4 | 29.9 | 16.0 |
| 210 | 25.2 | 31.3 | 64.1 | 25.8 | 14.3 |
| 183 | 22.7 | 23.7 | 59.2 | 23.2 | 13.0 |
| 150 | 19.2 | 19.2 | 51.6 | 20.5 | 10.8 |
| 130 | 17.3 | 17.8 | 47.1 | 19.1 | 9.70 |
| 120 | 16.7 | 16.8 | 43.7 | 18.5 | 9.70 |
| 110 | 15.8 | 16.3 | 42.0 | 17.8 | 9.70 |
| 100 | 15.3 | 15.3 | 39.8 | 17.1 | 9.40 |
| 90 | 14.4 | 15.3 | 38.7 | 16.5 | 9.10 |
| 80 | 14.4 | 14.4 | 36.1 | 15.8 | 9.10 |
| 70 | 13.5 | 14.4 | 34.0 | 15.2 | 8.85 |
| 60 | 13.5 | 13.9 | 33.0 | 14.6 | 8.50 |
| 50 | 13.1 | 13.9 | 31.0 | 13.9 | 8.50 |
| 40 | 12.7 | 13.4 | 29.5 | 13.1 | 8.20 |
| 30 | 12.7 | 12.9 | 28.1 | 12.3 | 7.80 |
| 25 | 12.7 | 12.9 | 27.7 | 11.9 | 7.80 |
| 20 | 12.4 | 12.9 | 25.7 | 11.4 | 7.50 |
| 15 | 12.3 | 12.4 | 23.9 | 10.9 | 7.34 |
| 10 | 12.3 | 12.4 | 23.0 | 10.0 | 7.20 |
| 9 | 12.3 | 12.4 | 23.0 | 9.72 | 6.92 |
| 8 | 12.3 | 12.4 | 22.1 | 9.56 | 6.92 |
| 7 | 12.3 | 12.4 | 22.1 | 9.44 | 6.92 |
| 6 | 12.3 | 12.4 | 22.0 | 9.17 | 6.90 |
| 5 | 12.3 | 12.4 | 21.6 | 8.90 | 6.90 |
| 4 | 12.3 | 12.4 | 21.5 | 8.68 | 6.90 |
| 3 | 12.0 | 12.0 | 21.2 | 8.38 | 6.60 |
| 2 | 12.0 | 12.0 | 21.2 | 7.92 | 6.50 |
| 1 | 12.0 | 12.0 | 19.4 | 7.50 | 6.08 |
| 0 | 11.0 | 11.0 | 19.0 | 5.40 | 5.40 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(s km²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(s km²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 5.40 | 1.36 | 08.07.1934 | 299 | 75.2 | | 03.12.1939 |
| 2 | 5.55 | 1.40 | 16.09.1947 | 282 | 70.9 | | 14.04.1994 |
| 3 | 5.80 | 1.46 | 14.07.1935+ | 274 | 68.9 | | 01.06.1941 |
| 4 | 6.08 | 1.53 | 23.09.1949+ | 273 | 68.6 | | 10.02.1946 |
| 5 | 6.50 | 1.63 | 07.08.1949 | 258 | 64.9 | | 06.11.1940 |
| 6 | 6.60 | 1.66 | 10.09.1933 | 248 | 62.4 | | 30.11.1939 |
| 7 | 6.84 | 1.72 | 12.01.1964 | 236 | 59.3 | | 08.07.1958+ |
| 8 | 7.00 | 1.76 | 16.08.1998+ | 235 | 59.1 | | 31.05.1941 |
| 9 | 7.20 | 1.81 | 01.06.1963+ | 205 | 51.5 | | 03.04.1988+ |
| 10 | 7.25 | 1.82 | 04.11.1951 | 204 | 51.3 | | 02.11.1998 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

Beeinflussung durch TS-Steuerung

3 Tage Randeis, 122 Tage Verkrautung

$A_{Eo}$ : 158 km²

PNP : NN + 395.65 m

Lage: 11.7 km oberhalb Mündung rechts

Q

m³/s

Pegel : Möschlitz Nr. 571700

Gewässer : Wisenta

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | 2002 Feb | 2002 Mrz | 2002 Apr | 2002 Mai | 2002 Jun | 2002 Jul | 2002 Aug | 2002 Sep | 2002 Okt | 2002 Nov | 2002 Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.263 | 2.88 | R 0.470 | 2.40 | 4.54 | 1.45 | K 0.219 | 0.307 | 0.219 | 0.351 | 0.307 | 0.219 | 1.34 | 17.5 |
| 2. | 0.175 | 2.88 | R 0.395 | 2.16 | 4.15 | 1.12 | K 0.263 | 0.263 | 0.219 | 0.263 | 0.307 | 0.219 | 1.45 | 11.8 |
| 3. | 0.175 | 2.64 | R 0.395 | 1.92 | 2.88 | 0.900 | K 0.395 | 0.263 | 0.219 | 0.219 | 0.263 | 0.219 | 4.15 | 6.49 |
| 4. | 0.219 | 2.40 | D 0.395 | 1.56 | 2.16 | 1.01 | K 0.790 | 0.307 | 0.263 | 0.219 | 0.263 | 0.307 | 6.88 | 5.32 |
| 5. | 0.219 | 2.28 | D 0.351 | 1.23 | 2.04 | 1.12 | K 1.34 | 0.307 | 0.263 | 0.263 | 0.263 | 0.263 | 5.06 | 4.67 |
| 6. | 0.219 | 3.76 | R 0.351 | 1.23 | 2.04 | 1.12 | K 1.56 | 0.470 | 0.219 | 0.219 | 0.351 | 0.900 | 3.63 | 3.89 |
| 7. | 0.263 | 9.61 | R 0.351 | 1.34 | 2.04 | 1.01 | K 1.01 | 0.680 | 0.219 | 0.307 | 0.263 | 0.680 | 3.00 | 3.00 |
| 8. | 0.470 | 7.27 | R 0.307 | 1.45 | 2.16 | 0.790 | K 1.34 | 1.34 | 0.219 | 0.470 | 0.263 | 0.680 | 2.52 | 1.80 |
| 9. | 0.790 | 3.89 | R 0.307 | 1.12 | 2.04 | 0.570 | K 0.900 | 1.34 | 0.175 | 0.395 | 0.351 | 0.680 | 3.89 | R 1.68 |
| 10. | 0.470 | 3.63 | R 0.307 | 1.45 | 1.68 | 0.470 | K 0.570 | 1.92 | 0.175 | 0.351 | 0.570 | 0.680 | 5.45 | R 1.45 |
| 11. | 0.395 | 2.52 | R 0.307 | 1.80 | 1.34 | 0.470 | K 0.570 | 1.56 | 0.263 | 0.351 | 0.900 | 0.570 | 7.53 | R 1.34 |
| 12. | 0.395 | 2.28 | R 0.263 | 1.45 | 1.01 | 0.680 | K 0.570 | 0.790 | 0.263 | 1.80 | 0.470 | 0.570 | 7.66 | R 1.23 |
| 13. | 0.900 | 2.16 | R 0.307 | 7.14 | 1.01 | 0.900 | K 1.01 | 0.351 | 0.219 | 3.50 | 0.470 | 0.395 | 5.45 | T 1.12 |
| 14. | 1.45 | 1.92 | R 0.351 | 9.09 | 0.900 | 1.12 | K 1.01 | 0.307 | 0.307 | 0.790 | 0.790 | 0.395 | 3.89 | R 0.900 |
| 15. | 1.34 | 1.45 | R 0.395 | 4.15 | 1.01 | 1.12 | K 0.470 | 0.395 | 0.263 | 0.570 | 0.900 | 0.680 | 2.64 | R 0.900 |
| 16. | 0.790 | 1.34 | R 0.395 | 2.64 | 0.790 | 0.900 | K 0.395 | 0.395 | 0.307 | 0.395 | 0.351 | 0.900 | 2.88 | 0.900 |
| 17. | 0.790 | 1.34 | R 0.395 | 2.88 | 0.790 | 0.680 | K 0.263 | 0.395 | 0.395 | 0.351 | 0.219 | 1.01 | 2.40 | 0.900 |
| 18. | 0.790 | 1.34 | R 0.395 | 2.16 | 0.900 | 0.680 | K 0.263 | 0.351 | 0.351 | 0.351 | 0.219 | 0.680 | 1.80 | 0.900 |
| 19. | 0.680 | 1.23 | R 0.395 | 1.92 | 0.790 | 0.680 | K 0.790 | 0.263 | 0.351 | 0.307 | 0.219 | 0.680 | 4.67 | 0.680 |
| 20. | 0.570 | 0.790 | R 0.680 | 2.40 | 1.12 | 0.470 | K 0.470 | 0.307 | 0.307 | 0.307 | 0.263 | 0.395 | 10.7 | 0.570 |
| 21. | 0.470 | R 0.790 | 5.32 | 3.50 | 3.50 | 0.470 | K 0.570 | 0.307 | 0.219 | 0.351 | 0.219 | 0.470 | 5.32 | 0.570 |
| 22. | 0.680 | R 0.680 | 11.8 | 2.40 | 6.88 | 0.470 | K 0.790 | 0.307 | 0.219 | 0.470 | 0.219 | 0.790 | 4.67 | 0.680 |
| 23. | 1.23 | R 0.680 | 10.0 | 1.92 | 9.22 | 0.470 | K 0.470 | 0.263 | 0.219 | 0.351 | 0.395 | 1.12 | 5.71 | 4.41 |
| 24. | 1.45 | R 0.680 | 7.14 | 1.92 | 4.28 | 0.470 | K 1.23 | 0.263 | 0.219 | 0.351 | 0.351 | 1.45 | 5.45 | 4.15 |
| 25. | 1.34 | R 0.680 | 6.75 | 2.64 | 2.88 | 0.470 | K 1.45 | 0.219 | 0.263 | 0.307 | 0.307 | 1.12 | 4.02 | 1.68 |
| 26. | 3.00 | R 0.570 | 4.80 | 6.36 | 3.76 | 0.790 | K 1.23 | 0.219 | 0.263 | 0.307 | 0.351 | 1.92 | 3.50 | 1.01 |
| 27. | 4.93 | R 0.570 | 4.28 | 8.44 | 2.76 | 0.900 | K 1.12 | 0.219 | 0.219 | 0.395 | 0.470 | 2.76 | 2.88 | 1.23 |
| 28. | 4.80 | R 0.570 | 6.88 | 6.49 | 2.16 | 0.900 | K 1.12 | 0.219 | 0.175 | 0.395 | 0.351 | 2.76 | 2.04 | 1.68 |
| 29. | 3.63 | R 0.470 | 5.71 | | 1.80 | 0.570 | K 0.900 | 0.263 | 0.175 | 0.351 | 0.307 | 2.04 | 1.56 | 2.04 |
| 30. | 3.00 | R 0.470 | 3.76 | | 1.92 | 0.219 | K 0.570 | 0.263 | 0.219 | 0.351 | 0.263 | 1.68 | 12.0 | 7.66 |
| 31. | | R 0.470 | 3.37 | | 1.68 | | K 0.570 | | 0.307 | 0.351 | | 1.92 | | 16.5 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | 2002 Feb | 2002 Mrz | 2002 Apr | 2002 Mai | 2002 Jun | 2002 Jul | 2002 Aug | 2002 Sep | 2002 Okt | 2002 Nov | 2002 Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 2.+ | 29.+ | 12. | 9. | 16.+ | 30. | 1. | 25.+ | 9.+ | 3.+ | 17.+ | 1.+ | 1. | 20.+ |
| NQ | 0.175 | 0.470 | 0.263 | 1.12 | 0.790 | 0.219 | 0.219 | 0.219 | 0.175 | 0.219 | 0.219 | 0.219 | 1.34 | 0.570 |
| MQ | 1.20 | 2.07 | 2.49 | 3.04 | 2.46 | 0.766 | 0.781 | 0.495 | 0.249 | 0.508 | 0.374 | 0.940 | 4.47 | 3.50 |
| HQ | 5.19 | 11.7 | 12.6 | 13.3 | 11.4 | 1.68 | 1.92 | 3.12 | 1.45 | 6.23 | 1.68 | 3.76 | 18.1 | 19.0 |
| Tag | 27. | 7. | 22. | 14. | 23. | 1. | 4.+ | 10. | 16. | 13. | 15. | 27. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 20 | 35 | 42 | 46 | 42 | 13 | 13 | 8 | 4 | 9 | 6 | 16 | 73 | 59 |

| | 1924/2001 | | 1925/2002 | | | | | | 76 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1929+ | 1993 | 1972 | 1963 | 1993 | 1930 | 1943+ | 1968 | 1976 | 1929+ | 1929 | 1929 | 1929+ | 1993 |
| NQ | 0.040 | 0.040 | 0.060 | 0.050 | 0.050 | 0.020 | 0.040 | 0.030 | 0.010 | 0.010 | 0.000 | 0.010 | 0.040 | 0.040 |
| MNQ | 0.412 | 0.471 | 0.671 | 0.702 | 0.727 | 0.604 | 0.355 | 0.282 | 0.239 | 0.200 | 0.218 | 0.275 | 0.421 | 0.476 |
| MQ | 0.944 | 1.39 | 1.80 | 1.90 | 2.37 | 1.83 | 1.06 | 0.996 | 0.758 | 0.579 | 0.548 | 0.856 | 0.979 | 1.44 |
| MHQ | 2.94 | 4.95 | 7.05 | 7.22 | 8.09 | 6.52 | 4.37 | 5.16 | 4.19 | 3.43 | 2.28 | 3.50 | 3.09 | 5.23 |
| HQ | 13.1 | 38.4 | 31.2 | 57.6 | 29.9 | 29.4 | 31.3 | 27.4 | 37.4 | 31.7 | 15.1 | 30.6 | 18.1 | 38.4 |
| Jahr | 1974 | 1974 | 1932 | 1935 | 1970 | 1970 | 1969 | 1969 | 1932 | 1970 | 1995 | 1974 | 2002 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 15 | 24 | 30 | 29 | 40 | 30 | 18 | 16 | 13 | 10 | 9 | 14 | 16 | 24 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 0.175 | am 02.11.2001 | 0.175 | 0.175 |
| MQ m³/s | 1.27 | | 2.00 | 0.559 |
| HQ m³/s | 13.3 | am 14.02.2002 | 13.3 | 6.23 |
| Nq l/(skm²) | 1.11 | | 1.11 | 1.11 |
| Mq l/(skm²) | 8.02 | | 12.6 | 3.53 |
| Hq l/(skm²) | 84.0 | | 84.0 | 39.4 |
| $h_N$ mm | | | | |
| $h_A$ mm | 253 | | 198 | 56 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.175 | am 09.07.2002 |
| 1.66 | |
| 19.0 | am 01.12.2002 |
| 1.11 | |
| 10.5 | |
| 120 | |
| | |
| 331 | |

| | 1925/2002 (*) 77 Jahre | | | | 1925/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.000 | am 03.09.1929 | 0.020 | 0.000 | 0.000 | am 03.09.1929 |
| MNQ m³/s | 0.114 | | 0.256 | 0.129 | 0.118 | |
| MQ m³/s | 1.25 | | 1.70 | 0.799 | 1.26 | |
| MHQ m³/s | 16.1 | | 14.1 | 10.4 | 16.0 | |
| HQ m³/s | 57.6 | am 17.02.1935 | 57.6 | 37.4 | 57.6 | am 17.02.1935 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 0.720 | | 1.62 | 0.815 | 0.745 | |
| Mq l/(skm²) | 7.90 | | 10.7 | 5.05 | 7.96 | |
| MHq l/(skm²) | 102 | | 89.1 | 65.7 | 101 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 249 | | 168 | 80 | 251 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1925/2002 76 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 11.8 | 17.5 | 47.1 | 15.9 | 1.35 |
| 363 | 10.0 | 16.5 | 32.2 | 12.9 | 1.29 |
| 362 | 9.61 | 12.0 | 32.2 | 11.1 | 1.18 |
| 361 | 9.22 | 12.0 | 32.2 | 9.61 | 1.13 |
| 360 | 9.09 | 12.0 | 27.3 | 8.65 | 1.13 |
| 359 | 8.44 | 10.7 | 25.1 | 7.91 | 1.13 |
| 358 | 7.27 | 10.0 | 25.1 | 7.27 | 0.960 |
| 357 | 7.27 | 9.22 | 25.1 | 6.77 | 0.910 |
| 356 | 7.27 | 9.09 | 23.2 | 6.43 | 0.910 |
| 350 | 5.71 | 7.53 | 17.2 | 4.88 | 0.690 |
| 340 | 3.89 | 5.71 | 11.7 | 3.58 | 0.520 |
| 330 | 3.37 | 4.80 | 9.30 | 2.91 | 0.470 |
| 320 | 2.76 | 4.02 | 7.86 | 2.46 | 0.470 |
| 300 | 2.16 | 2.88 | 5.52 | 1.87 | 0.360 |
| 270 | 1.45 | 1.92 | 4.38 | 1.35 | 0.300 |
| 240 | 1.12 | 1.34 | 3.49 | 1.02 | 0.250 |
| 210 | 0.900 | 1.01 | 3.14 | 0.800 | 0.250 |
| 183 | 0.680 | 0.900 | 2.59 | 0.640 | 0.210 |
| 150 | 0.570 | 0.570 | 2.10 | 0.480 | 0.170 |
| 130 | 0.470 | 0.470 | 1.81 | 0.410 | 0.150 |
| 120 | 0.470 | 0.470 | 1.73 | 0.370 | 0.140 |
| 110 | 0.395 | 0.395 | 1.51 | 0.340 | 0.120 |
| 100 | 0.395 | 0.395 | 1.44 | 0.307 | 0.090 |
| 90 | 0.351 | 0.395 | 1.30 | 0.280 | 0.070 |
| 80 | 0.351 | 0.351 | 1.24 | 0.260 | 0.060 |
| 70 | 0.351 | 0.351 | 1.11 | 0.230 | 0.060 |
| 60 | 0.307 | 0.307 | 1.00 | 0.219 | 0.040 |
| 50 | 0.307 | 0.307 | 0.940 | 0.190 | 0.030 |
| 40 | 0.307 | 0.307 | 0.740 | 0.170 | 0.030 |
| 30 | 0.263 | 0.263 | 0.690 | 0.140 | 0.020 |
| 25 | 0.263 | 0.263 | 0.650 | 0.130 | 0.020 |
| 20 | 0.263 | 0.263 | 0.650 | 0.120 | 0.020 |
| 15 | 0.263 | 0.263 | 0.600 | 0.110 | 0.020 |
| 10 | 0.263 | 0.263 | 0.560 | 0.090 | 0.020 |
| 9 | 0.263 | 0.263 | 0.560 | 0.090 | 0.010 |
| 8 | 0.263 | 0.263 | 0.560 | 0.080 | 0.010 |
| 7 | 0.263 | 0.263 | 0.520 | 0.080 | 0.010 |
| 6 | 0.263 | 0.263 | 0.520 | 0.070 | 0.010 |
| 5 | 0.219 | 0.263 | 0.520 | 0.070 | 0.010 |
| 4 | 0.219 | 0.263 | 0.520 | 0.060 | 0.010 |
| 3 | 0.219 | 0.219 | 0.480 | 0.050 | 0.010 |
| 2 | 0.219 | 0.219 | 0.480 | 0.050 | 0.010 |
| 1 | 0.219 | 0.219 | 0.480 | 0.030 | 0.010 |
| 0 | 0.175 | 0.175 | 0.400 | 0.000 | 0.000 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | | 03.09.1929+ | 57.6 | 364 | | 17.02.1935 |
| 2 | 0.010 | 0.063 | 17.07.1976+ | 38.4 | 243 | | 08.12.1974 |
| 3 | 0.020 | 0.126 | 11.10.1959+ | 37.4 | 236 | | 15.07.1932 |
| 4 | 0.020 | 0.126 | 19.09.1947+ | 31.7 | 200 | | 21.08.1970 |
| 5 | 0.020 | 0.126 | 18.08.1946 | 31.3 | 198 | | 07.05.1969 |
| 6 | 0.020 | 0.126 | 04.07.1930+ | 31.2 | 197 | | 04.01.1932 |
| 7 | 0.020 | 0.126 | 24.09.1928 | 30.6 | 193 | | 23.10.1974 |
| 8 | 0.030 | 0.190 | 29.06.1968+ | 29.9 | 189 | | 23.03.1970 |
| 9 | 0.030 | 0.190 | 19.08.1965+ | 29.4 | 186 | | 01.04.1970 |
| 10 | 0.030 | 0.190 | 18.09.1963+ | 28.6 | 181 | | 28.10.1966 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1933-1934; AJ 1934;
Beeinflußt durch TS-Steuerung
HHQ = 97,5 m^3/s am 15.08.1924 (vor Reihenbeginn)
2 Tage Eisdecke/Eisstand, 35 Tage Randeis, 1 Tag Treibeis/Eisgang, 31 Tage Verkrautung

$A_{Eo}$ : 362 km²

PNP : NN + 239.34 m

Lage: 1.8 km oberhalb Mündung rechts

Q

m³/s

Pegel : Kaulsdorf-Eichicht Nr. 572010

Gewässer : Loquitz

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.13 | 5.14 | R 1.38 | 16.7 | 30.4 | 4.15 | 1.21 | 1.69 | 0.920 | 0.760 | K 0.810 | 0.710 | 3.63 | 38.4 |
| 2. | 1.06 | 5.35 | R 1.29 | 12.9 | 21.6 | 3.80 | 1.29 | 1.69 | 0.990 | 0.760 | K 0.760 | 0.710 | 5.14 | 25.5 |
| 3. | 0.990 | 4.93 | R 1.29 | 10.3 | 16.1 | 3.63 | 1.29 | 1.58 | 0.990 | 0.710 | K 0.710 | 0.710 | 5.79 | 17.3 |
| 4. | 0.990 | 4.73 | R 1.21 | 8.68 | 12.9 | 3.30 | 2.05 | 1.48 | 0.920 | 0.710 | K 0.710 | 0.660 | 7.92 | 12.3 |
| 5. | 0.990 | 4.93 | V 1.29 | 7.42 | 10.3 | 3.14 | 2.82 | 1.38 | 0.920 | 0.660 | K 0.810 | 0.660 | 8.42 | 9.46 |
| 6. | 0.990 | 7.42 | V 1.29 | 7.17 | 8.68 | 2.82 | 2.34 | 2.34 | 0.860 | 0.660 | K 1.13 | 1.38 | 7.67 | 7.17 |
| 7. | 1.06 | 12.3 | T 1.38 | 6.01 | 8.42 | 2.82 | 2.19 | 3.63 | 0.860 | 0.760 | K 0.860 | 1.69 | 6.69 | 5.79 |
| 8. | 3.97 | 12.3 | R 1.48 | 5.14 | 7.67 | 2.50 | 2.05 | 6.69 | 0.860 | 0.990 | K 0.810 | 1.58 | 6.01 | 4.93 |
| 9. | 6.69 | 10.5 | R 1.48 | 4.73 | 6.93 | 2.34 | 1.92 | 5.14 | 0.810 | 0.990 | K 0.760 | 1.29 | 9.20 | 4.15 |
| 10. | 5.35 | 8.68 | R 1.58 | 7.42 | 6.23 | 2.19 | 2.05 | 4.73 | 0.860 | K 0.860 | K 0.710 | 1.13 | 10.3 | 3.30 |
| 11. | 4.53 | 7.42 | R 1.48 | 7.67 | 5.79 | 2.19 | 2.19 | 3.97 | 0.920 | K 0.810 | K 0.920 | 1.06 | 11.7 | R 2.98 |
| 12. | 4.15 | 6.46 | R 1.48 | 10.3 | 5.14 | 2.05 | 3.63 | 3.63 | 0.810 | K 1.48 | K 0.760 | 0.990 | 11.7 | R 2.98 |
| 13. | 4.73 | 5.57 | R 1.38 | 21.3 | 4.73 | 2.05 | 4.34 | 3.30 | 0.760 | K 1.38 | K 0.760 | 0.920 | 11.1 | R 2.34 |
| 14. | 3.97 | 4.34 | R 1.38 | 24.7 | 4.34 | 2.50 | 4.15 | 2.98 | 0.920 | K 1.06 | K 0.710 | 0.860 | 9.46 | R 2.05 |
| 15. | 3.63 | R 3.97 | R 1.38 | 20.0 | 4.15 | 2.19 | 3.63 | 2.66 | 0.860 | K 0.920 | K 0.760 | 0.810 | 7.67 | R 1.92 |
| 16. | 3.46 | R 3.63 | R 1.38 | 15.4 | 3.80 | 1.92 | 3.30 | 2.34 | 0.860 | K 0.810 | K 0.710 | 0.860 | 6.46 | R 1.69 |
| 17. | 3.14 | 3.30 | R 1.38 | 12.3 | 3.46 | 1.69 | 2.98 | 2.05 | 1.13 | K 0.760 | K 0.660 | 1.92 | 5.57 | R 1.69 |
| 18. | 2.98 | 2.98 | R 1.38 | 10.3 | 3.30 | 1.69 | 2.98 | 1.92 | 1.06 | K 0.810 | K 0.660 | 1.38 | 4.53 | R 1.58 |
| 19. | 2.82 | 2.82 | R 1.38 | 8.68 | 4.34 | 1.58 | 4.15 | 1.69 | 0.860 | K 0.710 | K 0.620 | 1.29 | 6.01 | R 1.48 |
| 20. | 2.66 | 2.66 | R 1.48 | 13.5 | 4.15 | 1.58 | 3.63 | 1.69 | 0.760 | K 0.660 | K 0.620 | 1.21 | 7.17 | R 1.38 |
| 21. | 2.34 | 2.50 | 6.46 | 18.6 | 5.35 | 1.48 | 3.30 | 1.69 | 0.760 | K 0.660 | K 0.620 | 1.13 | 6.93 | R 1.38 |
| 22. | 2.34 | 2.50 | 12.6 | 17.3 | 6.93 | 1.38 | 2.98 | 1.48 | 0.760 | K 0.810 | K 0.620 | 1.38 | 6.93 | R 1.58 |
| 23. | 2.50 | 2.19 | 18.0 | 16.4 | 8.42 | 1.29 | 2.66 | 1.38 | 0.760 | K 0.990 | K 0.710 | 1.92 | 7.67 | 3.46 |
| 24. | 2.19 | R 1.92 | 22.3 | 13.2 | 8.42 | 1.38 | 3.30 | 1.29 | 0.760 | K 0.860 | K 0.760 | 2.66 | 6.69 | 2.50 |
| 25. | 2.19 | R 1.92 | 29.6 | 11.1 | 7.67 | 1.38 | 2.66 | 1.21 | 0.760 | K 0.860 | K 0.660 | 2.98 | 6.23 | 2.34 |
| 26. | 3.46 | R 1.80 | 26.6 | 25.1 | 6.93 | 1.29 | 2.50 | 1.13 | 0.760 | K 0.860 | K 0.710 | 8.42 | 5.57 | 2.19 |
| 27. | 4.53 | R 1.69 | 36.8 | 55.8 | 6.23 | 1.58 | 2.50 | 1.06 | 0.760 | K 0.860 | K 0.920 | 8.94 | 4.73 | 2.19 |
| 28. | 5.35 | R 1.69 | 55.8 | 46.3 | 5.79 | 1.58 | 2.66 | 0.990 | 0.760 | K 0.920 | K 0.920 | 8.94 | 4.34 | 2.34 |
| 29. | 5.35 | R 1.58 | 45.7 | | 5.35 | 1.38 | 2.34 | 0.990 | 0.760 | K 1.38 | K 0.810 | 7.67 | 4.93 | 2.34 |
| 30. | 5.79 | R 1.58 | 30.8 | | 4.93 | 1.29 | 2.05 | 0.990 | 0.760 | K 1.06 | K 0.760 | 5.79 | 22.3 | 5.57 |
| 31. | | R 1.48 | 21.9 | | 4.53 | | 1.92 | | 0.810 | K 0.920 | | 4.53 | | 18.3 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 3.+ | 31. | 4. | 9. | 18. | 23.+ | 1. | 28.+ | 13.+ | 5.+ | 19.+ | 4.+ | 1. | 20.+ |
| NQ | 0.990 | 1.48 | 1.21 | 4.73 | 3.30 | 1.29 | 1.21 | 0.990 | 0.760 | 0.660 | 0.620 | 0.660 | 3.63 | 1.38 |
| MQ | 3.18 | 4.53 | 10.8 | 15.5 | 7.84 | 2.14 | 2.68 | 2.29 | 0.850 | 0.885 | 0.758 | 2.46 | 7.62 | 6.21 |
| HQ | 10.8 | 12.6 | 57.0 | 61.8 | 37.4 | 4.15 | 7.42 | 8.94 | 1.48 | 2.19 | 2.34 | 11.4 | 41.0 | 42.0 |
| Tag | 8. | 7.+ | 28. | 27. | 1. | 1. | 12. | 7. | 31. | 27. | 5. | 27. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 23 | 33 | 80 | 103 | 58 | 15 | 20 | 16 | 6 | 7 | 5 | 18 | 55 | 46 |

| | 1922/2001 | | 1923/2002 | | | | | | 78 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1988 | 1948 | 1963 | 1963 | 1996 | 1933 | 1933 | 1948 | 1959 | 1943 | 1948 | 1959 | 1988 | 1948 |
| NQ | 0.180 | 0.300 | 0.080 | 0.120 | 0.680 | 0.680 | 0.420 | 0.130 | 0.100 | 0.090 | 0.180 | 0.080 | 0.180 | 0.300 |
| MNQ | 1.57 | 1.96 | 2.08 | 2.33 | 2.80 | 3.05 | 1.65 | 1.23 | 0.957 | 0.795 | 0.789 | 0.907 | 1.59 | 1.93 |
| MQ | 3.52 | 5.12 | 5.48 | 5.61 | 6.78 | 6.27 | 3.29 | 2.83 | 2.29 | 1.72 | 1.72 | 2.23 | 3.57 | 5.07 |
| MHQ | 9.40 | 14.7 | 17.5 | 15.4 | 18.3 | 15.4 | 8.19 | 9.19 | 8.13 | 5.67 | 5.41 | 6.87 | 9.90 | 15.0 |
| HQ | 54.4 | 60.5 | 77.0 | 71.3 | 73.2 | 129 | 40.9 | 68.8 | 60.4 | 25.6 | 37.6 | 39.7 | 54.4 | 60.5 |
| Jahr | 1940 | 1925 | 1982 | 1946 | 1962 | 1994 | 1969 | 1946 | 1958 | 1981 | 1939 | 1974 | 1940 | 1925 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 25 | 38 | 41 | 37 | 50 | 45 | 24 | 20 | 17 | 13 | 12 | 16 | 26 | 37 |

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.620 | am 19.09.2002 | 0.990 | 0.620 | 0.620 | am 19.09.2002 |
| MQ m³/s | 4.43 | | 7.25 | 1.66 | 4.94 | |
| HQ m³/s | 61.8 | am 27.02.2002 | 61.8 | 11.4 | 61.8 | am 27.02.2002 |
| Nq l/(skm²) | 1.71 | | 2.73 | 1.71 | 1.71 | |
| Mq l/(skm²) | 12.2 | | 20.0 | 4.58 | 13.6 | |
| Hq l/(skm²) | 171 | | 171 | 31.5 | 171 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 386 | | 313 | 73 | 430 | |
| | 1923/2002 (*) 79 Jahre | | | | 1923/2002 | |
| NQ m³/s | 0.080 | am 25.01.1963 | 0.080 | 0.080 | 0.080 | am 25.01.1963 |
| MNQ m³/s | 0.478 | | 0.992 | 0.553 | 0.511 | |
| MQ m³/s | 3.89 | | 5.46 | 2.33 | 3.90 | |
| MHQ m³/s | 35.9 | | 33.9 | 17.7 | 36.7 | |
| HQ m³/s | 129 | am 13.04.1994 | 129 | 68.8 | 129 | am 13.04.1994 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.32 | | 2.74 | 1.53 | 1.41 | |
| Mq l/(skm²) | 10.7 | | 15.1 | 6.43 | 10.8 | |
| MHq l/(skm²) | 99.1 | | 93.6 | 48.9 | 101 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 339 | | 236 | 102 | 339 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1923/2002 78 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 55.9 | 55.9 | 95.8 | 33.6 | 9.03 |
| 363 | 55.9 | 55.9 | 55.9 | 28.6 | 7.39 |
| 362 | 46.3 | 46.3 | 51.2 | 25.2 | 7.39 |
| 361 | 45.7 | 45.7 | 45.7 | 23.3 | 6.62 |
| 360 | 36.8 | 38.4 | 38.4 | 21.6 | 6.62 |
| 359 | 30.8 | 36.8 | 36.8 | 20.1 | 6.00 |
| 358 | 30.4 | 30.8 | 33.5 | 19.1 | 5.72 |
| 357 | 29.6 | 30.4 | 33.5 | 18.1 | 5.72 |
| 356 | 26.6 | 29.6 | 32.0 | 17.3 | 5.72 |
| 350 | 21.3 | 24.7 | 29.2 | 13.8 | 4.92 |
| 340 | 13.2 | 16.7 | 26.9 | 10.6 | 4.16 |
| 330 | 10.5 | 12.6 | 20.9 | 8.81 | 3.12 |
| 320 | 8.68 | 10.3 | 18.1 | 7.69 | 2.46 |
| 300 | 6.46 | 7.92 | 13.3 | 6.10 | 2.10 |
| 270 | 4.53 | 5.57 | 10.7 | 4.61 | 1.78 |
| 240 | 3.46 | 3.80 | 8.83 | 3.59 | 1.43 |
| 210 | 2.66 | 2.82 | 7.32 | 2.82 | 1.17 |
| 183 | 2.05 | 2.19 | 6.50 | 2.28 | 0.940 |
| 150 | 1.58 | 1.58 | 5.73 | 1.82 | 0.680 |
| 130 | 1.48 | 1.48 | 5.12 | 1.58 | 0.570 |
| 120 | 1.38 | 1.38 | 4.92 | 1.47 | 0.560 |
| 110 | 1.21 | 1.29 | 4.70 | 1.38 | 0.500 |
| 100 | 1.06 | 1.13 | 4.34 | 1.27 | 0.460 |
| 90 | 1.06 | 1.06 | 4.00 | 1.15 | 0.460 |
| 80 | 0.990 | 0.990 | 3.97 | 1.06 | 0.420 |
| 70 | 0.920 | 0.920 | 3.50 | 0.960 | 0.380 |
| 60 | 0.860 | 0.860 | 3.50 | 0.870 | 0.350 |
| 50 | 0.860 | 0.860 | 3.00 | 0.800 | 0.300 |
| 40 | 0.810 | 0.810 | 2.77 | 0.720 | 0.300 |
| 30 | 0.810 | 0.810 | 2.50 | 0.620 | 0.230 |
| 25 | 0.760 | 0.760 | 2.36 | 0.570 | 0.220 |
| 20 | 0.760 | 0.760 | 2.36 | 0.520 | 0.170 |
| 15 | 0.760 | 0.760 | 2.22 | 0.470 | 0.140 |
| 10 | 0.710 | 0.710 | 2.08 | 0.410 | 0.130 |
| 9 | 0.710 | 0.710 | 1.94 | 0.390 | 0.120 |
| 8 | 0.710 | 0.710 | 1.94 | 0.380 | 0.120 |
| 7 | 0.710 | 0.710 | 1.94 | 0.360 | 0.120 |
| 6 | 0.710 | 0.710 | 1.94 | 0.340 | 0.120 |
| 5 | 0.710 | 0.710 | 1.94 | 0.310 | 0.120 |
| 4 | 0.710 | 0.710 | 1.80 | 0.300 | 0.110 |
| 3 | 0.660 | 0.660 | 1.80 | 0.270 | 0.110 |
| 2 | 0.660 | 0.660 | 1.80 | 0.240 | 0.110 |
| 1 | 0.660 | 0.660 | 1.60 | 0.190 | 0.090 |
| 0 | 0.620 | 0.620 | 1.47 | 0.080 | 0.080 |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.080 | 0.221 | 25.01.1963 | 129 | 356 | | 13.04.1994 |
| 2 | 0.080 | 0.221 | 25.10.1959+ | 77.0 | 213 | | 06.01.1982 |
| 3 | 0.090 | 0.248 | 22.08.1943 | 73.2 | 202 | | 31.03.1962 |
| 4 | 0.110 | 0.304 | 09.07.1934+ | 71.3 | 197 | | 09.02.1946 |
| 5 | 0.120 | 0.331 | 10.08.1925 | 69.0 | 190 | | 26.02.1997 |
| 6 | 0.130 | 0.359 | 10.06.1948 | 68.8 | 190 | | 14.06.1946 |
| 7 | 0.180 | 0.497 | 15.08.1988+ | 63.1 | 174 | | 01.04.1962 |
| 8 | 0.180 | 0.497 | 30.10.1949+ | 61.8 | 171 | | 27.02.2002 |
| 9 | 0.180 | 0.497 | 11.09.1948 | 60.5 | 167 | | 31.12.1925 |
| 10 | 0.180 | 0.497 | 08.10.1926 | 60.4 | 167 | | 06.07.1958 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929; AJ 1929;
2 Tage Eisversetzung/Eisstau, 39 Tage Randeis, 1 Tag Treibeis/Eisgang, 52 Tage Verkrautung

$A_{Eo}$ : 123 km²
PNP : NN + 415.37 m
Lage: 36.0 km oberhalb Mündung links

Q
m³/s

Pegel : Katzhütte Nr. 572110
Gewässer : Schwarza
Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.780 | 5.02 | R 1.64 | 8.34 | 15.1 | 2.80 | 1.49 | 1.05 | 0.290 | 0.240 | 0.480 | 0.290 | 2.29 | 5.78 |
| 2. | 0.780 | 5.02 | R 1.64 | 6.94 | 11.1 | 2.80 | 1.64 | 0.960 | 0.290 | 0.240 | 0.420 | 0.290 | 3.33 | 5.59 |
| 3. | 0.780 | 4.64 | R 1.64 | 5.97 | 9.17 | 2.80 | 1.49 | 0.960 | 0.290 | 0.240 | 0.330 | 0.290 | 3.33 | 4.83 |
| 4. | 0.700 | 4.83 | R 1.64 | 5.02 | 6.94 | 2.80 | 2.46 | 0.960 | 0.290 | 0.240 | 0.330 | 0.330 | 3.69 | 4.26 |
| 5. | 0.700 | 5.21 | R 1.64 | 4.26 | 6.54 | 2.80 | 2.63 | 0.870 | 0.260 | 0.240 | 0.330 | 0.290 | 3.51 | 4.26 |
| 6. | 0.780 | 6.35 | R 1.64 | 4.26 | 6.16 | 2.63 | 2.63 | 1.80 | 0.240 | 0.240 | 0.330 | 0.700 | 3.33 | 4.45 |
| 7. | 1.05 | 6.35 | R 1.64 | 3.88 | 5.59 | 2.46 | 2.63 | 1.80 | 0.240 | 0.330 | 0.330 | 0.620 | 2.97 | 4.07 |
| 8. | 3.33 | 6.16 | R 1.64 | 3.51 | 5.40 | 2.29 | 2.63 | 1.80 | 0.240 | 0.550 | 0.330 | 0.550 | 2.80 | 3.69 |
| 9. | 3.33 | 5.40 | R 1.64 | 3.51 | 5.59 | 2.12 | 2.63 | 1.80 | 0.290 | 0.550 | 0.290 | 0.420 | 4.45 | 3.33 |
| 10. | 2.97 | 4.83 | R 1.64 | 6.35 | 5.97 | 1.96 | 2.29 | 1.80 | 0.370 | 0.480 | 0.370 | 0.420 | 4.45 | 2.63 |
| 11. | 2.63 | 4.26 | R 1.49 | 7.54 | 5.59 | 1.96 | 2.29 | 1.64 | 0.480 | 0.420 | 0.700 | 0.420 | 5.21 | 2.29 |
| 12. | 2.63 | 3.88 | R 1.49 | 11.8 | 5.21 | 1.96 | 2.46 | 1.49 | 0.420 | 0.700 | 0.420 | 0.370 | 5.21 | 2.46 |
| 13. | 2.80 | 3.51 | R 1.49 | 17.4 | 4.45 | 1.96 | 1.96 | 1.36 | 0.370 | 0.550 | 0.370 | 0.370 | 5.21 | 2.29 |
| 14. | 2.29 | R 2.97 | R 1.49 | 15.9 | 3.69 | 2.46 | 1.96 | 1.24 | 0.550 | 0.480 | 0.330 | 0.370 | 4.83 | 2.29 |
| 15. | 2.12 | R 2.63 | R 1.36 | 11.3 | 3.33 | 2.12 | 1.96 | 1.14 | 0.420 | 0.420 | 0.330 | 0.330 | 4.07 | 2.29 |
| 16. | 1.96 | R 2.46 | R 1.36 | 8.54 | 3.15 | 1.80 | 1.96 | 0.960 | 0.420 | 0.370 | 0.330 | 0.620 | 3.88 | 2.29 |
| 17. | 1.96 | R 2.29 | R 1.36 | 7.14 | 3.15 | 1.80 | 1.80 | 0.870 | 0.550 | 0.370 | 0.330 | 1.14 | 4.07 | 2.29 |
| 18. | 1.96 | R 2.12 | R 1.36 | 6.16 | 3.15 | 1.80 | 1.80 | 0.780 | 0.550 | 0.370 | 0.290 | 1.05 | 3.69 | 2.29 |
| 19. | 1.80 | 1.96 | R 1.36 | 5.40 | 3.88 | 1.80 | 1.80 | 0.700 | 0.420 | 0.370 | 0.260 | 1.05 | 3.69 | 2.29 |
| 20. | 1.80 | 1.80 | R 1.36 | 7.54 | 4.07 | 1.64 | 1.80 | 0.960 | 0.370 | 0.330 | 0.260 | 0.960 | 3.51 | 2.29 |
| 21. | 1.80 | R 1.80 | T 5.40 | 8.96 | 4.83 | 1.49 | 1.64 | 1.05 | 0.330 | 0.330 | 0.290 | 0.870 | 3.33 | 2.29 |
| 22. | 2.29 | R 1.80 | 6.35 | 8.75 | 5.40 | 1.49 | 1.64 | 0.870 | 0.290 | 0.330 | 0.290 | 1.64 | 3.33 | 2.63 |
| 23. | 2.29 | R 1.80 | 7.14 | 8.14 | 5.40 | 1.36 | 1.49 | 0.700 | 0.290 | 0.330 | 0.370 | 1.80 | 3.15 | 3.69 |
| 24. | 2.12 | V 1.80 | 9.84 | 7.14 | 5.40 | 1.36 | 1.96 | 0.700 | 0.290 | 0.330 | 0.480 | 1.64 | 2.97 | 2.97 |
| 25. | 2.12 | V 1.80 | 12.6 | 6.35 | 4.83 | 1.36 | 1.80 | 0.620 | 0.290 | 0.330 | 0.420 | 1.64 | 2.80 | 2.97 |
| 26. | 2.97 | R 1.80 | 13.4 | 15.6 | 4.26 | 1.36 | 1.64 | 0.620 | 0.290 | 0.330 | 0.420 | 3.88 | 2.63 | 2.97 |
| 27. | 4.07 | R 1.64 | 33.0 | 28.2 | 3.51 | 1.96 | 1.49 | 0.480 | 0.260 | 0.370 | 0.420 | 4.45 | 2.46 | 3.15 |
| 28. | 4.45 | R 1.64 | 41.4 | 23.1 | 3.15 | 1.96 | 1.80 | 0.480 | 0.260 | 0.480 | 0.370 | 5.02 | 2.29 | 3.33 |
| 29. | 4.64 | R 1.64 | 27.3 | | 3.15 | 1.64 | 1.64 | 0.480 | 0.240 | 0.480 | 0.330 | 4.07 | 2.97 | 3.88 |
| 30. | 5.21 | R 1.64 | 16.2 | | 2.97 | 1.64 | 1.36 | 0.420 | 0.240 | 0.550 | 0.330 | 3.33 | 5.21 | 11.3 |
| 31. | | R 1.64 | 11.1 | | 2.97 | | 1.14 | | 0.240 | 0.480 | | 2.80 | | 18.9 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 4.+ | 27.+ | 15.+ | 8.+ | 30.+ | 23.+ | 31. | 30. | 6.+ | 1.+ | 19.+ | 1.+ | 1.+ | 11.+ |
| NQ | 0.700 | 1.64 | 1.36 | 3.51 | 2.97 | 1.36 | 1.14 | 0.420 | 0.240 | 0.240 | 0.260 | 0.290 | 2.29 | 2.29 |
| MQ | 2.30 | 3.25 | 6.91 | 9.18 | 5.26 | 2.01 | 1.93 | 1.05 | 0.335 | 0.389 | 0.363 | 1.36 | 3.62 | 4.00 |
| HQ | 6.54 | 6.74 | 44.7 | 32.4 | 18.0 | 2.80 | 3.69 | 7.94 | 0.620 | 0.780 | 0.870 | 6.35 | 6.35 | 20.1 |
| Tag | 8. | 6. | 27.+ | 27. | 1. | 1.+ | 12. | 6. | 10.+ | 8.+ | 11. | 27. | 13. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 49 | 71 | 151 | 181 | 115 | 42 | 42 | 22 | 7 | 8 | 8 | 30 | 77 | 87 |

| | 1945/2001 | | 1946/2002 | | | | | | 57 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1991 | 1962 | 1963 | 1963 | 1963 | 1948 | 1999 | 2000 | 1976 | 1991 | 1982 | 1982 | 1991 | 1962 |
| NQ | 0.220 | 0.360 | 0.330 | 0.290 | 0.380 | 0.540 | 0.330 | 0.260 | 0.230 | 0.150 | 0.130 | 0.160 | 0.220 | 0.360 |
| MNQ | 1.09 | 1.48 | 1.47 | 1.49 | 1.60 | 2.03 | 1.06 | 0.757 | 0.705 | 0.575 | 0.583 | 0.733 | 1.08 | 1.46 |
| MQ | 2.48 | 3.88 | 3.99 | 3.54 | 4.19 | 4.51 | 2.02 | 1.57 | 1.37 | 0.989 | 1.17 | 1.65 | 2.47 | 3.86 |
| MHQ | 7.48 | 13.7 | 14.1 | 10.3 | 13.9 | 12.0 | 4.85 | 5.12 | 5.01 | 3.42 | 4.20 | 5.42 | 7.45 | 13.8 |
| HQ | 36.6 | 59.6 | 52.8 | 46.8 | 57.8 | 68.9 | 12.4 | 28.8 | 23.3 | 20.2 | 34.2 | 24.4 | 36.6 | 59.6 |
| Jahr | 1998 | 1986 | 1987 | 1946 | 1981 | 1994 | 1970 | 1986 | 1958 | 1981 | 1998 | 1986 | 1998 | 1986 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 52 | 85 | 87 | 70 | 92 | 95 | 44 | 33 | 30 | 22 | 25 | 36 | 52 | 84 |

## Hauptwerte — Abflußjahr (*) / Kalenderjahr

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.240 | am 06.07.2002 | 0.700 | 0.240 | 0.240 | am 06.07.2002 |
| MQ m³/s | 2.83 | | 4.78 | 0.905 | 3.00 | |
| HQ m³/s | 44.7 | am 27.01.2002 | 44.7 | 7.94 | 44.7 | am 27.01.2002 |
| Nq l/(s km²) | 1.96 | | 5.71 | 1.96 | 1.96 | |
| Mq l/(s km²) | 23.1 | | 39.0 | 7.38 | 24.5 | |
| Hq l/(s km²) | 365 | | 365 | 64.8 | 365 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 728 | | 610 | 117 | 772 | |
| | 1946/2002 (*) 57 Jahre | | | | 1946/2002 | |
| NQ m³/s | 0.130 | am 18.09.1982 | 0.220 | 0.130 | 0.130 | am 18.09.1982 |
| MNQ m³/s | 0.393 | | 0.675 | 0.438 | 0.410 | |
| MQ m³/s | 2.61 | | 3.77 | 1.46 | 2.61 | |
| MHQ m³/s | 27.7 | | 27.2 | 10.0 | 28.0 | |
| HQ m³/s | 68.9 | am 13.04.1994 | 68.9 | 34.2 | 68.9 | am 13.04.1994 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(s km²) | 3.21 | | 5.51 | 3.57 | 3.34 | |
| Mq l/(s km²) | 21.3 | | 30.8 | 11.9 | 21.3 | |
| MHq l/(s km²) | 226 | | 222 | 81.6 | 228 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 671 | | 481 | 189 | 671 | |

## Dauertabelle — Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1946/2002 57 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 41.4 | 41.4 | 53.9 | 22.9 | 6.22 |
| 363 | 33.0 | 33.0 | 49.0 | 18.7 | 6.22 |
| 362 | 28.2 | 28.2 | 48.8 | 16.8 | 6.22 |
| 361 | 27.3 | 27.3 | 42.9 | 14.9 | 5.97 |
| 360 | 23.1 | 23.1 | 42.9 | 13.7 | 5.55 |
| 359 | 17.4 | 18.9 | 36.7 | 12.8 | 4.87 |
| 358 | 16.2 | 17.4 | 34.0 | 12.1 | 4.64 |
| 357 | 15.9 | 16.2 | 32.4 | 11.5 | 4.64 |
| 356 | 15.6 | 15.9 | 31.8 | 11.0 | 4.64 |
| 350 | 11.3 | 11.8 | 15.6 | 8.96 | 3.99 |
| 340 | 8.14 | 8.14 | 10.8 | 7.08 | 3.57 |
| 330 | 6.54 | 6.54 | 10.0 | 5.99 | 3.20 |
| 320 | 5.59 | 5.78 | 9.27 | 5.20 | 2.91 |
| 300 | 4.64 | 4.83 | 7.70 | 4.08 | 2.22 |
| 270 | 3.15 | 3.51 | 6.02 | 3.01 | 1.54 |
| 240 | 2.46 | 2.97 | 4.42 | 2.36 | 1.14 |
| 210 | 1.96 | 2.46 | 3.25 | 1.86 | 0.850 |
| 183 | 1.80 | 1.96 | 2.81 | 1.51 | 0.760 |
| 150 | 1.49 | 1.64 | 2.32 | 1.22 | 0.600 |
| 130 | 1.05 | 1.14 | 2.06 | 1.07 | 0.480 |
| 120 | 0.870 | 0.960 | 1.96 | 1.01 | 0.430 |
| 110 | 0.700 | 0.700 | 1.96 | 0.950 | 0.370 |
| 100 | 0.620 | 0.620 | 1.96 | 0.880 | 0.370 |
| 90 | 0.550 | 0.550 | 1.75 | 0.810 | 0.340 |
| 80 | 0.480 | 0.480 | 1.70 | 0.730 | 0.340 |
| 70 | 0.420 | 0.420 | 1.57 | 0.700 | 0.340 |
| 60 | 0.420 | 0.420 | 1.43 | 0.630 | 0.280 |
| 50 | 0.370 | 0.370 | 1.43 | 0.590 | 0.280 |
| 40 | 0.370 | 0.370 | 1.32 | 0.540 | 0.250 |
| 30 | 0.330 | 0.330 | 1.27 | 0.490 | 0.220 |
| 25 | 0.330 | 0.330 | 1.19 | 0.450 | 0.190 |
| 20 | 0.330 | 0.330 | 1.18 | 0.430 | 0.190 |
| 15 | 0.290 | 0.290 | 1.18 | 0.390 | 0.190 |
| 10 | 0.260 | 0.260 | 1.18 | 0.340 | 0.170 |
| 9 | 0.260 | 0.260 | 1.18 | 0.340 | 0.170 |
| 8 | 0.260 | 0.260 | 1.18 | 0.310 | 0.170 |
| 7 | 0.260 | 0.260 | 1.18 | 0.310 | 0.170 |
| 6 | 0.260 | 0.260 | 1.18 | 0.300 | 0.170 |
| 5 | 0.260 | 0.260 | 1.06 | 0.280 | 0.170 |
| 4 | 0.260 | 0.260 | 1.05 | 0.260 | 0.160 |
| 3 | 0.260 | 0.260 | 1.05 | 0.250 | 0.160 |
| 2 | 0.260 | 0.260 | 1.05 | 0.220 | 0.160 |
| 1 | 0.260 | 0.260 | 0.970 | 0.180 | 0.160 |
| 0 | 0.240 | 0.240 | 0.960 | 0.130 | 0.130 |

## Extremwerte

| | Niedrigwasser m³/s | l/(s km²) | Datum | Hochwasser m³/s | l/(s km²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.130 | 1.06 | 18.09.1982+ | 68.9 | 562 | | 13.04.1994 |
| 2 | 0.140 | 1.14 | 22.09.1976 | 59.6 | 486 | | 31.12.1986 |
| 3 | 0.150 | 1.22 | 28.08.1991+ | 57.8 | 471 | | 11.03.1981 |
| 4 | 0.210 | 1.71 | 16.08.1983+ | 56.4 | 460 | | 31.03.1962 |
| 5 | 0.220 | 1.79 | 02.09.1986 | 52.8 | 431 | | 01.01.1987 |
| 6 | 0.240 | 1.96 | 06.07.2002+ | 48.6 | 396 | | 20.04.1970 |
| 7 | 0.250 | 2.04 | 18.08.1988 | 46.8 | 382 | | 08.02.1946 |
| 8 | 0.250 | 2.04 | 28.08.1959+ | 44.8 | 365 | | 06.01.1982 |
| 9 | 0.260 | 2.12 | 27.08.2001 | 44.7 | 365 | | 27.01.2002+ |
| 10 | 0.260 | 2.12 | 12.06.2000+ | 42.9 | 350 | | 03.03.1999 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch TS-Steuerung
2 Tage Eisversetzung/Eisstau, 34 Tage Randeis, 1 Tag Treibeis/Eisgang

$A_{Eo}$ : 341 km²

PNP : NN + 271.22 m

Lage: 13.0 km oberhalb Mündung rechts

Q

m³/s

Pegel : Schwarzburg Nr. 572115

Gewässer : Schwarza

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.19 | 8.02 | R 2.42 | 21.7 | 35.5 | 4.79 | 1.76 | K 2.20 | 1.19 | 0.550 | 0.860 | 0.550 | 5.26 | 22.4 |
| 2. | 1.08 | 8.02 | R 2.42 | 17.0 | 26.0 | 4.55 | 2.20 | K 2.20 | 1.19 | 0.550 | 0.860 | 0.450 | 6.48 | 18.5 |
| 3. | 1.08 | 7.16 | R 1.98 | 14.7 | 19.7 | 4.07 | 1.98 | K 2.20 | 1.19 | 0.550 | 0.650 | 0.450 | 6.79 | 14.7 |
| 4. | 1.08 | 7.16 | R 1.19 | 12.0 | 15.2 | 3.83 | 4.79 | K 1.98 | 1.19 | 0.550 | 0.650 | 0.550 | 8.46 | 12.0 |
| 5. | 0.970 | 7.58 | R 1.19 | 10.2 | 13.4 | 3.59 | 5.26 | K 1.50 | 1.08 | 0.550 | 0.550 | 0.550 | 9.34 | 10.7 |
| 6. | 0.970 | 10.7 | R 1.19 | 10.2 | 11.6 | 3.11 | 5.26 | K 3.11 | 1.08 | 0.550 | 0.550 | 1.30 | 8.90 | 8.90 |
| 7. | 1.19 | 11.6 | R 1.08 | 8.02 | 11.1 | 3.11 | 5.26 | K 5.26 | 1.08 | 1.08 | 0.550 | 1.50 | 8.02 | 7.58 |
| 8. | 4.79 | 11.6 | R 1.08 | 7.16 | 10.7 | 2.65 | 5.03 | K 6.22 | 0.970 | 1.30 | 0.550 | 1.30 | 7.16 | 6.48 |
| 9. | 7.16 | 10.2 | R 1.08 | 7.16 | 10.2 | 2.65 | 4.79 | K 5.74 | 0.860 | 1.19 | 0.550 | 1.08 | 10.7 | 5.98 |
| 10. | 5.74 | 8.46 | R 1.08 | 13.4 | 10.2 | 2.65 | 4.79 | K 5.26 | 0.970 | 1.19 | 0.550 | 0.970 | 11.6 | 5.26 |
| 11. | 5.03 | 7.16 | R 1.08 | 14.7 | 9.34 | 2.42 | 4.79 | K 4.79 | 1.08 | 0.970 | 1.08 | 0.860 | 12.9 | 4.55 |
| 12. | 4.55 | 6.79 | R 1.08 | 21.7 | 8.46 | 2.42 | 6.79 | K 4.31 | 1.08 | 1.50 | 0.860 | 0.750 | 13.4 | R 4.79 |
| 13. | 5.03 | 5.98 | R 1.08 | 31.8 | 7.16 | 2.65 | 8.46 | K 4.07 | 0.970 | 1.19 | 0.650 | 0.750 | 12.9 | R 4.55 |
| 14. | 4.31 | 5.03 | R 1.08 | 30.3 | 6.79 | 3.11 | 7.58 | K 4.07 | 1.30 | 1.08 | 0.650 | 0.750 | 11.6 | R 3.35 |
| 15. | 4.07 | R 4.79 | R 1.08 | 23.8 | 6.22 | 3.11 | 6.79 | K 3.59 | 1.19 | 1.08 | 0.750 | 0.750 | 9.79 | R 3.59 |
| 16. | 4.07 | R 4.31 | R 1.08 | 18.0 | 5.98 | 2.42 | 6.22 | K 3.35 | 1.08 | 0.970 | 0.650 | 0.970 | 8.02 | R 3.35 |
| 17. | 3.83 | T 4.07 | R 1.08 | 14.3 | 5.50 | 1.98 | 5.74 | K 3.11 | 1.50 | 0.970 | 0.550 | 1.76 | 8.02 | R 3.11 |
| 18. | 3.59 | T 3.83 | R 1.08 | 12.0 | 5.03 | 1.50 | 5.26 | K 2.42 | 1.50 | 0.970 | 0.450 | 1.30 | 6.48 | R 2.88 |
| 19. | 3.59 | R 3.59 | R 1.08 | 10.2 | 6.22 | 1.50 | 5.98 | K 2.20 | 1.08 | 0.860 | 0.450 | 1.30 | 6.48 | R 2.65 |
| 20. | 3.35 | R 3.59 | T 1.76 | 13.8 | 6.22 | 1.30 | 5.03 | K 2.88 | 0.970 | 0.650 | 0.450 | 1.19 | 6.22 | 2.65 |
| 21. | 3.11 | R 3.35 | 7.16 | 17.5 | 7.16 | 1.19 | 4.55 | K 2.42 | 0.860 | 0.750 | 0.450 | 1.19 | 5.74 | 2.65 |
| 22. | 3.59 | R 3.35 | 12.5 | 16.1 | 8.90 | 1.19 | 4.07 | K 1.98 | 0.860 | 0.750 | 0.450 | 3.11 | 5.74 | 2.88 |
| 23. | 4.07 | R 3.11 | 14.7 | 15.6 | 8.90 | 1.08 | 3.83 | K 1.50 | 0.860 | 0.750 | 0.650 | 4.31 | 5.98 | 5.03 |
| 24. | 3.59 | R 2.42 | 22.4 | 13.8 | 8.90 | 1.30 | 5.03 | K 1.30 | 0.860 | 0.650 | 0.750 | 4.31 | 5.50 | 4.07 |
| 25. | 3.83 | R 2.42 | 34.0 | 11.6 | 8.46 | 1.30 | 4.07 | K 1.30 | 0.860 | 0.650 | 0.750 | 4.07 | 5.26 | 4.07 |
| 26. | 5.03 | R 2.42 | 33.3 | 31.8 | 7.58 | 1.19 | 3.59 | K 1.19 | 0.860 | 0.650 | 0.750 | 7.16 | 5.03 | 4.07 |
| 27. | 6.79 | R 2.42 | 64.8 | 63.3 | 6.48 | 2.42 | 3.35 | K 1.08 | 0.860 | 0.860 | 0.860 | 8.90 | 4.79 | 4.31 |
| 28. | 8.02 | T 3.11 | 83.5 | 55.0 | 6.22 | 2.20 | 4.07 | K 1.08 | 0.750 | 1.30 | 0.750 | 11.1 | 4.55 | 4.55 |
| 29. | 8.46 | 3.35 | 64.0 | | 5.98 | 1.76 | 3.35 | K 1.08 | 0.650 | 0.970 | 0.650 | 10.2 | 5.26 | 4.79 |
| 30. | 8.46 | 3.11 | 41.5 | | 5.50 | 1.50 | 3.11 | K 1.19 | 0.650 | 0.970 | 0.550 | 7.58 | 16.1 | 12.9 |
| 31. | | 2.65 | 29.5 | | 5.03 | | 2.42 | | 0.550 | 0.860 | | 6.48 | | 31.0 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 5.+ | 24.+ | 7.+ | 8.+ | 18.+ | 23. | 1. | 27.+ | 31. | 1.+ | 18.+ | 2.+ | 28. | 19.+ |
| NQ | 0.970 | 2.42 | 1.08 | 7.16 | 5.03 | 1.08 | 1.76 | 1.08 | 0.550 | 0.550 | 0.450 | 0.450 | 4.55 | 2.65 |
| MQ | 4.05 | 5.53 | 14.0 | 19.2 | 9.99 | 2.42 | 4.68 | 2.82 | 1.01 | 0.886 | 0.649 | 2.82 | 8.08 | 7.36 |
| HQ | 11.1 | 12.0 | 89.5 | 68.5 | 43.8 | 5.03 | 12.5 | 12.5 | 2.20 | 3.83 | 1.30 | 13.4 | 21.7 | 32.5 |
| Tag | 8. | 6. | 28. | 27. | 1. | 1. | 12. | 6. | 14. | 27. | 11. | 27. | 30. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 31 | 43 | 110 | 136 | 79 | 18 | 37 | 21 | 8 | 7 | 5 | 22 | 61 | 58 |

| | 1983/2001 | | 1984/2002 | | | | | | 19 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1991 | 1997 | 1997 | 1997 | 1996 | 2002 | 1999+ | 2000 | 2000 | 1998+ | 1999 | 1991 | 1991 | 1997 |
| NQ | 0.440 | 0.640 | 0.640 | 0.640 | 0.700 | 1.08 | 0.640 | 0.320 | 0.370 | 0.370 | 0.240 | 0.350 | 0.440 | 0.640 |
| MNQ | 1.66 | 2.17 | 2.61 | 3.02 | 3.31 | 3.51 | 1.68 | 1.29 | 0.899 | 0.734 | 0.745 | 1.01 | 1.83 | 2.19 |
| MQ | 4.29 | 7.06 | 8.45 | 7.24 | 9.00 | 8.18 | 3.25 | 2.92 | 1.77 | 1.21 | 1.91 | 2.47 | 4.58 | 7.26 |
| MHQ | 13.7 | 25.0 | 31.2 | 20.9 | 31.5 | 29.1 | 7.63 | 9.23 | 7.63 | 4.71 | 7.80 | 8.89 | 14.0 | 26.3 |
| HQ | 70.0 | 65.5 | 89.5 | 79.0 | 77.5 | 218 | 16.0 | 35.6 | 23.2 | 18.9 | 55.0 | 43.8 | 70.0 | 65.5 |
| Jahr | 1998 | 1986 | 2002 | 1997 | 1999 | 1994 | 1984 | 1986 | 1996 | 1987 | 1998 | 1998 | 1998 | 1986 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 33 | 55 | 66 | 51 | 71 | 62 | 26 | 22 | 14 | 10 | 15 | 19 | 35 | 57 |

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.450 | am 18.09.2002 | 0.970 | 0.450 | 0.450 | am 18.09.2002 |
| MQ m³/s | 5.59 | | 9.09 | 2.15 | 6.08 | |
| HQ m³/s | 89.5 | am 28.01.2002 | 89.5 | 13.4 | 89.5 | am 28.01.2002 |
| Nq l/(skm²) | 1.32 | | 2.85 | 1.32 | 1.32 | |
| Mq l/(skm²) | 16.4 | | 26.7 | 6.31 | 17.8 | |
| Hq l/(skm²) | 263 | | 263 | 39.3 | 263 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 517 | | 417 | 100 | 563 | |
| | 1984/2002 (*) 19 Jahre | | | | 1984/2002 | |
| NQ m³/s | 0.240 | am 16.09.1999 | 0.440 | 0.240 | 0.240 | am 16.09.1999 |
| MNQ m³/s | 0.647 | | 1.20 | 0.647 | 0.647 | |
| MQ m³/s | 4.80 | | 7.38 | 2.25 | 4.84 | |
| MHQ m³/s | 61.1 | | 60.1 | 15.9 | 60.8 | |
| HQ m³/s | 218 | am 13.04.1994 | 218 | 55.0 | 218 | am 13.04.1994 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.90 | | 3.52 | 1.90 | 1.90 | |
| Mq l/(skm²) | 14.1 | | 21.7 | 6.60 | 14.2 | |
| MHq l/(skm²) | 179 | | 176 | 46.7 | 178 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 444 | | 339 | 105 | 448 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1984/2002 Obere Hüllwerte | 19 Kalenderjahre Mittlere Werte | 19 Kalenderjahre Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 83.5 | 83.5 | 160 | 52.9 | 12.5 |
| 363 | 64.8 | 64.8 | 89.5 | 41.0 | 12.5 |
| 362 | 64.0 | 64.0 | 64.0 | 37.8 | 12.5 |
| 361 | 63.3 | 63.3 | 63.3 | 33.3 | 12.0 |
| 360 | 55.0 | 55.0 | 55.0 | 30.8 | 12.0 |
| 359 | 41.5 | 41.5 | 43.8 | 28.8 | 10.7 |
| 358 | 35.5 | 35.5 | 41.5 | 26.7 | 10.7 |
| 357 | 34.0 | 34.0 | 40.0 | 25.1 | 10.7 |
| 356 | 33.3 | 33.3 | 39.3 | 23.4 | 9.90 |
| 350 | 23.8 | 26.0 | 31.9 | 18.2 | 9.12 |
| 340 | 15.2 | 17.0 | 25.5 | 14.1 | 8.26 |
| 330 | 12.5 | 14.3 | 18.3 | 11.7 | 6.40 |
| 320 | 10.7 | 12.5 | 15.6 | 9.79 | 4.76 |
| 300 | 8.46 | 9.34 | 13.5 | 7.54 | 3.60 |
| 270 | 6.22 | 6.79 | 8.81 | 5.27 | 2.71 |
| 240 | 5.03 | 5.50 | 6.42 | 4.06 | 2.14 |
| 210 | 3.83 | 4.31 | 5.53 | 3.12 | 1.54 |
| 183 | 2.88 | 3.35 | 4.70 | 2.50 | 1.38 |
| 150 | 1.76 | 1.98 | 4.18 | 1.97 | 0.870 |
| 130 | 1.30 | 1.50 | 3.44 | 1.70 | 0.870 |
| 120 | 1.30 | 1.30 | 3.21 | 1.54 | 0.780 |
| 110 | 1.19 | 1.30 | 2.98 | 1.39 | 0.780 |
| 100 | 1.19 | 1.19 | 2.98 | 1.29 | 0.780 |
| 90 | 1.19 | 1.19 | 2.75 | 1.15 | 0.700 |
| 80 | 1.08 | 1.19 | 2.52 | 1.07 | 0.700 |
| 70 | 1.08 | 1.08 | 2.52 | 1.00 | 0.640 |
| 60 | 0.970 | 0.970 | 2.52 | 0.900 | 0.580 |
| 50 | 0.860 | 0.860 | 2.32 | 0.820 | 0.580 |
| 40 | 0.860 | 0.860 | 2.14 | 0.750 | 0.520 |
| 30 | 0.750 | 0.750 | 1.97 | 0.720 | 0.440 |
| 25 | 0.750 | 0.750 | 1.97 | 0.680 | 0.440 |
| 20 | 0.650 | 0.650 | 1.97 | 0.650 | 0.440 |
| 15 | 0.650 | 0.650 | 1.97 | 0.620 | 0.410 |
| 10 | 0.650 | 0.650 | 1.92 | 0.550 | 0.370 |
| 9 | 0.650 | 0.650 | 1.92 | 0.550 | 0.370 |
| 8 | 0.650 | 0.650 | 1.92 | 0.550 | 0.370 |
| 7 | 0.650 | 0.650 | 1.92 | 0.510 | 0.370 |
| 6 | 0.550 | 0.550 | 1.92 | 0.510 | 0.320 |
| 5 | 0.550 | 0.550 | 1.92 | 0.470 | 0.320 |
| 4 | 0.550 | 0.550 | 1.82 | 0.440 | 0.320 |
| 3 | 0.550 | 0.550 | 1.82 | 0.440 | 0.280 |
| 2 | 0.550 | 0.550 | 1.82 | 0.410 | 0.280 |
| 1 | 0.550 | 0.550 | 1.82 | 0.380 | 0.280 |
| 0 | 0.450 | 0.450 | 1.76 | 0.240 | 0.240 |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.240 | 0.704 | 16.09.1999+ | 218 | 640 | | 13.04.1994 |
| 2 | 0.320 | 0.939 | 15.06.2000 | 89.5 | 263 | | 28.01.2002 |
| 3 | 0.350 | 1.03 | 16.09.1991+ | 79.0 | 232 | | 26.02.1997 |
| 4 | 0.370 | 1.09 | 19.08.1998 | 77.5 | 227 | | 03.03.1999 |
| 5 | 0.420 | 1.23 | 05.08.1994+ | 76.0 | 223 | | 30.01.1995 |
| 6 | 0.440 | 1.29 | 25.09.1992+ | 70.0 | 205 | | 01.11.1998 |
| 7 | 0.450 | 1.32 | 27.08.2001+ | 68.5 | 201 | | 27.02.2002 |
| 8 | 0.520 | 1.53 | 08.10.1997 | 66.4 | 195 | | 06.01.1994 |
| 9 | 0.570 | 1.67 | 24.08.1990+ | 66.1 | 194 | | 01.01.1987 |
| 10 | 0.570 | 1.67 | 11.09.1989+ | 65.5 | 192 | | 31.12.1986 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

Beeinflußt durch TS-Steuerung

38 Tage Randeis, 4 Tage Treibeis/Eisgang, 30 Tage Verkrautung

$A_{Eo}$ : 255 km²

PNP : NN + 170.63 m

Lage: 1.8 km oberhalb Mündung rechts

Q

m³/s

Pegel : Freienorla Nr. 572400

Gewässer : Orla

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | 2002 Feb | 2002 Mrz | 2002 Apr | 2002 Mai | 2002 Jun | 2002 Jul | 2002 Aug | 2002 Sep | 2002 Okt | 2002 Nov | 2002 Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.830 | 2.22 | 1.32 | 2.38 | 2.89 | 1.45 | K 1.45 | K 0.830 | K 0.750 | K 0.910 | K 0.670 | K 0.830 | 0.910 | 11.9 |
| 2. | 0.750 | 2.22 | 1.32 | 2.06 | 2.55 | 1.45 | K 1.75 | K 0.830 | K 0.750 | K 0.750 | K 0.670 | K 0.750 | 1.45 | 7.88 |
| 3. | 0.750 | 2.22 | G 1.32 | 1.75 | 2.38 | 1.32 | K 1.75 | K 0.830 | K 0.750 | K 0.530 | K 0.750 | K 0.750 | 1.90 | 5.68 |
| 4. | 0.750 | 2.06 | G 1.20 | 1.60 | 2.38 | 1.32 | K 2.55 | K 0.830 | K 0.750 | K 0.530 | K 0.750 | K 0.830 | 3.06 | 4.50 |
| 5. | 0.750 | 2.06 | G 1.09 | 1.45 | 2.06 | 1.20 | K 3.40 | K 0.910 | K 0.670 | K 0.530 | K 0.750 | K 0.750 | 2.55 | 3.93 |
| 6. | 0.750 | 3.23 | G 1.09 | 1.45 | 1.90 | 0.990 | K 2.89 | K 1.09 | K 0.600 | K 0.460 | K 0.750 | K 1.45 | 1.90 | 3.18 |
| 7. | 0.670 | 5.27 | R 0.990 | 1.32 | 1.75 | 1.09 | K 2.55 | K 1.32 | K 0.600 | K 0.530 | K 0.670 | K 1.20 | 1.75 | 2.85 |
| 8. | 1.45 | 4.42 | R 0.990 | 1.32 | 1.45 | 1.09 | K 2.38 | K 2.55 | K 0.600 | K 0.750 | K 0.750 | K 0.990 | 1.60 | 2.55 |
| 9. | 1.75 | 3.74 | R 0.910 | 1.32 | 1.45 | 1.09 | K 2.22 | K 1.60 | K 0.600 | K 0.750 | K 0.750 | K 0.910 | 2.06 | 2.28 |
| 10. | 1.20 | 3.40 | R 0.910 | 1.75 | 1.32 | 0.990 | K 2.89 | K 1.45 | K 0.750 | K 0.830 | K 0.910 | K 0.830 | 1.90 | 2.04 |
| 11. | 0.990 | 3.06 | R 0.910 | 1.32 | 1.32 | 0.990 | K 3.57 | K 1.20 | K 0.750 | K 0.670 | K 1.20 | K 0.830 | 3.06 | 1.80 |
| 12. | 0.910 | 3.06 | R 0.910 | 1.20 | 1.32 | 0.990 | K 2.72 | K 1.20 | K 0.750 | K 2.89 | K 0.830 | K 0.830 | 3.06 | 1.57 |
| 13. | 1.20 | 3.06 | R 0.910 | 2.38 | 1.32 | 1.09 | K 2.55 | K 1.09 | K 0.670 | K 3.06 | K 0.750 | K 0.830 | 2.22 | 1.57 |
| 14. | 1.09 | 2.55 | R 0.910 | 2.55 | 1.32 | 1.75 | K 2.22 | K 1.09 | K 0.830 | K 1.45 | K 0.750 | K 0.830 | 2.22 | 1.36 |
| 15. | 1.09 | 2.38 | R 0.910 | 2.22 | 1.09 | 1.60 | K 1.75 | K 0.990 | K 0.750 | K 0.990 | K 0.830 | K 0.910 | 1.90 | 1.36 |
| 16. | 1.09 | 2.22 | R 0.910 | 1.75 | 0.990 | 1.45 | K 1.60 | K 0.910 | K 0.670 | K 0.830 | K 0.670 | K 1.09 | 1.60 | 1.36 |
| 17. | 1.09 | 2.22 | R 0.910 | 1.75 | 0.990 | 1.09 | K 1.20 | K 0.910 | K 1.20 | K 0.830 | K 0.670 | K 1.09 | 1.45 | 1.26 |
| 18. | 1.09 | 2.06 | R 0.910 | 1.45 | 0.910 | 1.09 | K 1.20 | K 0.910 | K 0.990 | K 0.750 | K 0.670 | K 1.09 | 1.09 | 1.07 |
| 19. | 1.09 | 1.90 | R 0.910 | 1.45 | 0.990 | 1.20 | K 1.75 | K 0.910 | K 0.750 | K 0.600 | K 0.670 | K 0.990 | 3.23 | 1.07 |
| 20. | 1.09 | 1.75 | R 0.910 | 1.45 | 1.32 | 1.32 | K 1.32 | K 0.910 | K 0.600 | K 0.600 | K 0.670 | K 0.830 | 4.25 | 1.07 |
| 21. | 0.990 | 1.60 | 3.57 | 1.90 | 1.90 | 1.32 | K 1.20 | K 0.910 | K 0.600 | K 0.750 | K 0.670 | K 0.830 | 3.23 | 0.980 |
| 22. | 1.32 | 1.45 | 5.44 | 1.45 | 3.40 | 1.32 | K 1.20 | K 0.990 | K 0.600 | K 1.09 | K 0.750 | K 1.09 | 2.89 | 1.26 |
| 23. | 1.60 | 1.45 | 4.59 | 1.90 | 3.91 | 1.32 | K 1.60 | K 0.910 | K 0.600 | K 0.830 | K 0.750 | K 0.990 | 4.08 | 4.12 |
| 24. | 1.32 | R 1.45 | 3.91 | 2.06 | 3.23 | 1.45 | K 1.20 | K 0.910 | K 0.600 | K 0.910 | K 0.750 | K 0.990 | 3.57 | 2.85 |
| 25. | 1.45 | R 1.32 | 3.57 | 1.90 | 3.06 | 1.45 | K 0.990 | K 0.910 | K 0.600 | K 0.910 | K 0.670 | K 0.830 | 3.40 | 2.55 |
| 26. | 1.90 | R 1.32 | 3.06 | 2.55 | 2.89 | 1.45 | K 0.990 | K 0.830 | K 0.600 | K 0.670 | K 0.750 | K 1.09 | 2.89 | 2.16 |
| 27. | 2.72 | R 1.32 | 3.06 | 3.57 | 2.72 | 1.75 | K 0.910 | K 0.830 | K 0.600 | K 0.670 | K 0.830 | K 1.09 | 2.38 | 2.04 |
| 28. | 2.72 | 1.45 | 3.40 | 3.57 | 2.55 | 1.45 | K 0.910 | K 0.830 | K 0.530 | K 1.32 | K 0.670 | K 0.990 | 2.06 | 2.16 |
| 29. | 2.55 | 1.90 | 3.23 | | 2.06 | 1.45 | K 0.910 | K 0.830 | K 0.530 | K 0.830 | K 0.670 | K 0.910 | 2.38 | 2.16 |
| 30. | 2.38 | 1.60 | 2.89 | | 1.90 | 1.45 | K 0.910 | K 0.750 | K 0.460 | K 0.750 | K 0.670 | K 0.910 | 11.9 | 5.88 |
| 31. | | 1.32 | 2.72 | | 1.60 | | K 0.830 | | K 0.830 | K 0.750 | | K 0.990 | | 10.9 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | 2002 Feb | 2002 Mrz | 2002 Apr | 2002 Mai | 2002 Jun | 2002 Jul | 2002 Aug | 2002 Sep | 2002 Okt | 2002 Nov | 2002 Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 7. | 25.+ | 9.+ | 12. | 18. | 6.+ | 31. | 30. | 30. | 6. | 1.+ | 2.+ | 1. | 21. |
| NQ | 0.670 | 1.32 | 0.910 | 1.20 | 0.910 | 0.990 | 0.830 | 0.750 | 0.460 | 0.460 | 0.670 | 0.750 | 0.910 | 0.980 |
| MQ | 1.31 | 2.30 | 1.93 | 1.89 | 1.97 | 1.30 | 1.79 | 1.04 | 0.688 | 0.926 | 0.744 | 0.946 | 2.73 | 3.14 |
| HQ | 2.89 | 5.44 | 6.63 | 4.42 | 4.59 | 2.55 | 5.10 | 3.91 | 6.80 | 5.78 | 2.38 | 2.38 | 18.4 | 14.9 |
| Tag | 27. | 7. | 21. | 27. | 22. | 14. | 4. | 7.+ | 31. | 12. | 10. | 16. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 13 | 24 | 20 | 18 | 21 | 13 | 19 | 11 | 7 | 10 | 8 | 10 | 28 | 33 |

| | 1927/2001 | | 1928/2002 | | | | | | 65 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1959+ | 1967 | 1986 | 1936 | 1930 | 1943 | 1943 | 1990 | 1960 | 1992 | 1991 | 1991+ | 1959+ | 1967 |
| NQ | 0.170 | 0.170 | 0.180 | 0.150 | 0.060 | 0.120 | 0.110 | 0.260 | 0.210 | 0.180 | 0.260 | 0.260 | 0.170 | 0.170 |
| MNQ | 0.770 | 0.739 | 0.826 | 0.915 | 0.955 | 0.964 | 0.826 | 0.755 | 0.778 | 0.762 | 0.846 | 0.851 | 0.776 | 0.754 |
| MQ | 1.17 | 1.21 | 1.39 | 1.47 | 1.75 | 1.64 | 1.43 | 1.46 | 1.28 | 1.13 | 1.18 | 1.29 | 1.19 | 1.24 |
| MHQ | 2.98 | 3.35 | 3.69 | 3.65 | 4.77 | 4.88 | 5.00 | 5.68 | 5.44 | 4.26 | 3.45 | 3.37 | 3.12 | 3.44 |
| HQ | 21.1 | 16.4 | 18.4 | 14.9 | 38.4 | 25.6 | 26.5 | 26.7 | 45.0 | 19.5 | 16.7 | 18.1 | 21.1 | 16.4 |
| Jahr | 1941 | 1974 | 1953 | 1941 | 1942 | 1980 | 1941 | 1961 | 1932 | 1977 | 1995 | 1974 | 1941 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 12 | 13 | 15 | 14 | 18 | 17 | 15 | 15 | 13 | 12 | 12 | 14 | 12 | 13 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 0.460 | am 30.07.2002 | 0.670 | 0.460 |
| MQ | m³/s | 1.40 | | 1.78 | 1.02 |
| HQ | m³/s | 6.80 | am 31.07.2002 | 6.63 | 6.80 |
| Nq | l/(skm²) | 1.80 | | 2.62 | 1.80 |
| Mq | l/(skm²) | 5.48 | | 6.97 | 4.00 |
| Hq | l/(skm²) | 26.6 | | 26.0 | 26.6 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 173 | | 109 | 64 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.460 | am 30.07.2002 |
| 1.59 | |
| 18.4 | am 30.11.2002 |
| 1.80 | |
| 6.23 | |
| 72.1 | |
| | |
| 196 | |

### 1928/2002 (*) 68 Jahre

| | | | | | |
|---|---|---|---|---|---|
| NQ | m³/s | 0.060 | am 20.03.1930 | 0.060 | 0.110 |
| MNQ | m³/s | 0.397 | | 0.519 | 0.479 |
| MQ | m³/s | 1.35 | | 1.43 | 1.27 |
| MHQ | m³/s | 11.8 | | 7.81 | 9.66 |
| HQ | m³/s | 45.0 | am 15.07.1932 | 38.4 | 45.0 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(skm²) | 1.56 | | 2.03 | 1.88 |
| Mq | l/(skm²) | 5.29 | | 5.60 | 4.97 |
| MHq | l/(skm²) | 46.2 | | 30.6 | 37.8 |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 167 | | 88 | 79 |

### 1928/2002

| | |
|---|---|
| 0.060 | am 20.03.1930 |
| 0.405 | |
| 1.37 | |
| 12.2 | |
| 45.0 | am 15.07.1932 |
| | |
| | |
| 1.59 | |
| 5.37 | |
| 47.8 | |
| | |
| 169 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1928/2002 65 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 5.44 | 12.0 | 23.9 | 9.92 | 1.45 |
| 363 | 5.27 | 12.0 | 22.7 | 7.87 | 1.45 |
| 362 | 4.59 | 10.9 | 15.5 | 6.76 | 1.45 |
| 361 | 4.42 | 7.88 | 15.4 | 6.15 | 1.45 |
| 360 | 4.42 | 5.88 | 13.8 | 5.63 | 1.42 |
| 359 | 4.42 | 5.68 | 13.2 | 5.37 | 1.41 |
| 358 | 3.74 | 5.44 | 11.8 | 5.11 | 1.41 |
| 357 | 3.74 | 4.59 | 10.1 | 4.92 | 1.36 |
| 356 | 3.74 | 4.50 | 10.1 | 4.72 | 1.30 |
| 350 | 3.57 | 3.93 | 8.89 | 3.78 | 1.09 |
| 340 | 3.23 | 3.57 | 6.81 | 3.08 | 0.860 |
| 330 | 2.89 | 3.18 | 6.11 | 2.66 | 0.780 |
| 320 | 2.72 | 3.06 | 5.51 | 2.36 | 0.750 |
| 300 | 2.22 | 2.55 | 5.23 | 1.92 | 0.650 |
| 270 | 1.75 | 2.04 | 4.84 | 1.56 | 0.560 |
| 240 | 1.60 | 1.57 | 3.85 | 1.33 | 0.540 |
| 210 | 1.45 | 1.36 | 3.52 | 1.15 | 0.510 |
| 183 | 1.20 | 1.26 | 2.64 | 1.00 | 0.480 |
| 150 | 1.09 | 1.07 | 2.43 | 0.870 | 0.440 |
| 130 | 0.990 | 0.980 | 2.33 | 0.800 | 0.350 |
| 120 | 0.990 | 0.980 | 2.33 | 0.760 | 0.310 |
| 110 | 0.990 | 0.980 | 2.23 | 0.720 | 0.310 |
| 100 | 0.910 | 0.910 | 2.23 | 0.690 | 0.270 |
| 90 | 0.910 | 0.910 | 2.12 | 0.670 | 0.250 |
| 80 | 0.910 | 0.910 | 2.12 | 0.620 | 0.230 |
| 70 | 0.830 | 0.830 | 1.92 | 0.610 | 0.230 |
| 60 | 0.830 | 0.830 | 1.82 | 0.570 | 0.190 |
| 50 | 0.830 | 0.830 | 1.72 | 0.530 | 0.180 |
| 40 | 0.750 | 0.750 | 1.63 | 0.500 | 0.180 |
| 30 | 0.750 | 0.750 | 1.46 | 0.460 | 0.160 |
| 25 | 0.750 | 0.750 | 1.46 | 0.430 | 0.160 |
| 20 | 0.670 | 0.670 | 1.46 | 0.430 | 0.160 |
| 15 | 0.670 | 0.670 | 1.31 | 0.400 | 0.160 |
| 10 | 0.670 | 0.670 | 1.07 | 0.350 | 0.140 |
| 9 | 0.670 | 0.670 | 1.04 | 0.350 | 0.140 |
| 8 | 0.670 | 0.670 | 1.04 | 0.350 | 0.140 |
| 7 | 0.600 | 0.600 | 1.04 | 0.350 | 0.140 |
| 6 | 0.600 | 0.600 | 1.04 | 0.330 | 0.140 |
| 5 | 0.600 | 0.600 | 1.04 | 0.320 | 0.140 |
| 4 | 0.600 | 0.600 | 0.990 | 0.300 | 0.120 |
| 3 | 0.600 | 0.600 | 0.990 | 0.270 | 0.120 |
| 2 | 0.600 | 0.600 | 0.990 | 0.220 | 0.120 |
| 1 | 0.530 | 0.530 | 0.960 | 0.180 | 0.070 |
| 0 | 0.460 | 0.460 | 0.930 | 0.060 | 0.060 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.060 | 0.235 | 20.03.1930 | 45.0 | 176 | | 15.07.1932 |
| 2 | 0.100 | 0.392 | 11.03.1944 | 38.4 | 150 | | 18.03.1942 |
| 3 | 0.100 | 0.392 | 24.03.1943 | 26.7 | 105 | | 10.06.1961 |
| 4 | 0.120 | 0.470 | 25.05.1990+ | 26.5 | 104 | | 21.05.1941 |
| 5 | 0.150 | 0.588 | 16.02.1936 | 25.6 | 100 | | 28.04.1980 |
| 6 | 0.170 | 0.666 | 26.11.1967+ | 24.8 | 97.1 | | 13.04.1994 |
| 7 | 0.170 | 0.666 | 15.11.1959+ | 23.3 | 91.3 | | 06.07.1958 |
| 8 | 0.180 | 0.705 | 28.08.1992+ | 23.1 | 90.5 | | 07.05.1969 |
| 9 | 0.180 | 0.705 | 08.02.1986+ | 21.1 | 82.6 | | 07.11.1941 |
| 10 | 0.180 | 0.705 | 11.01.1986 | 19.6 | 76.8 | | 02.06.1995 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929 ,1937-1940 ,1944-1947; AJ 1929; AJ 1938-1940 ,1945-1947

4 Tage Grundeis, 18 Tage Randeis, 184 Tage Verkrautung(Sommerhalbjahr)

$A_{Eo}$ : 254 km²
PNP : NN + 159.69 m
Lage: 5.0 km oberhalb Mündung rechts

Q
m³/s

Pegel : Zöllnitz Nr. 572600
Gewässer : Roda
Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.670 | 1.07 | 0.750 | 1.01 | 1.32 | 0.950 | K 1.01 | K 0.750 | K 0.590 | K 0.630 | K 0.750 | K 0.800 | 0.670 | 4.83 |
| 2. | 0.670 | 1.07 | 0.710 | 1.01 | 1.25 | 1.01 | K 1.01 | K 0.750 | K 0.550 | K 0.590 | K 0.750 | K 0.800 | 0.950 | 2.38 |
| 3. | 0.710 | 1.07 | R 0.710 | 1.01 | 1.19 | 1.07 | K 1.01 | K 0.750 | K 0.550 | K 0.550 | K 0.750 | K 0.800 | 1.19 | 2.02 |
| 4. | 0.590 | 1.01 | G 0.710 | 0.950 | 1.13 | 0.950 | K 1.39 | K 0.800 | K 0.550 | K 0.590 | K 0.750 | K 0.800 | 1.69 | 1.77 |
| 5. | 0.590 | 1.01 | G 0.710 | 0.950 | 1.07 | 1.01 | K 1.39 | K 0.800 | K 0.550 | K 0.710 | K 0.750 | K 0.800 | 1.07 | 1.53 |
| 6. | 0.550 | 1.25 | G 0.710 | 0.950 | 1.07 | 0.950 | K 1.39 | K 0.900 | K 0.550 | K 0.590 | K 0.800 | K 0.950 | 0.950 | 1.53 |
| 7. | 0.550 | 1.85 | R 0.710 | 0.900 | 1.01 | 0.950 | K 1.25 | K 0.850 | K 0.590 | K 0.630 | K 0.800 | K 0.950 | 0.900 | 1.39 |
| 8. | 1.39 | 1.46 | R 0.710 | 0.950 | 1.01 | 0.950 | K 1.13 | K 1.07 | K 0.550 | K 0.710 | K 0.750 | K 0.800 | 0.900 | 1.32 |
| 9. | 1.25 | 1.32 | R 0.710 | 0.950 | 0.950 | 0.900 | K 1.01 | K 0.900 | K 0.550 | K 0.710 | K 0.750 | K 0.750 | 1.13 | R 1.25 |
| 10. | 0.850 | 1.25 | R 0.710 | 1.01 | 0.950 | 0.900 | K 1.19 | K 0.800 | K 0.630 | K 1.01 | K 0.800 | K 0.850 | 0.950 | G 1.25 |
| 11. | 0.800 | 1.13 | 0.710 | 0.900 | 0.950 | 0.900 | K 1.25 | K 0.800 | K 0.670 | K 0.900 | K 1.07 | K 0.850 | 1.53 | V 1.13 |
| 12. | 0.750 | 1.13 | 0.710 | 0.900 | 0.950 | 0.900 | K 1.13 | K 0.750 | K 0.630 | K 3.63 | K 0.850 | K 0.800 | 1.39 | V 1.13 |
| 13. | 0.900 | 1.13 | 0.710 | 1.25 | 0.950 | 0.900 | K 1.07 | K 0.750 | K 0.590 | K 2.38 | K 0.710 | K 0.710 | 1.07 | V 1.13 |
| 14. | 0.800 | 1.07 | 0.710 | 1.13 | 1.07 | 1.19 | K 0.950 | K 0.800 | K 0.590 | K 1.13 | K 0.710 | K 0.710 | 1.01 | V 1.13 |
| 15. | 0.800 | 1.01 | R 0.710 | 1.01 | 1.07 | 1.19 | K 0.850 | K 0.800 | K 0.630 | K 0.950 | K 0.800 | K 0.710 | 1.07 | T 1.13 |
| 16. | 0.800 | 0.950 | G 0.710 | 0.900 | 1.01 | 1.07 | K 0.850 | K 0.850 | K 0.710 | K 0.850 | K 0.710 | K 0.900 | 0.950 | R 1.13 |
| 17. | 0.800 | 0.900 | R 0.710 | 0.900 | 1.01 | 1.07 | K 0.800 | K 0.750 | K 1.01 | K 0.800 | K 0.710 | K 0.900 | 0.950 | R 1.13 |
| 18. | 0.800 | 0.850 | R 0.710 | 0.900 | 0.950 | 1.01 | K 0.800 | K 0.710 | K 0.950 | K 0.800 | K 0.710 | K 0.850 | 0.900 | R 1.13 |
| 19. | 0.800 | 0.900 | R 0.710 | 0.950 | 1.07 | 1.01 | K 0.950 | K 0.670 | K 0.750 | K 0.800 | K 0.710 | K 0.950 | 1.53 | R 1.13 |
| 20. | 0.800 | 0.900 | R 0.750 | 1.01 | 1.19 | 1.01 | K 0.900 | K 0.710 | K 0.550 | K 0.750 | K 0.670 | K 0.950 | 1.53 | 1.25 |
| 21. | 0.750 | 0.850 | 2.20 | 1.07 | 1.46 | 1.01 | K 0.850 | K 0.750 | K 0.590 | K 1.01 | K 0.710 | K 0.850 | 1.19 | 1.25 |
| 22. | 0.850 | 0.850 | 2.47 | 0.950 | 1.93 | 0.950 | K 0.850 | K 0.710 | K 0.550 | K 1.53 | K 0.800 | K 0.950 | 1.07 | 2.02 |
| 23. | 0.900 | 0.850 | 1.69 | 1.13 | 1.61 | 0.950 | K 0.850 | K 0.670 | K 0.630 | K 0.900 | K 0.800 | K 0.950 | 1.85 | 5.63 |
| 24. | 0.850 | 0.850 | 1.46 | 1.13 | 1.39 | 1.01 | K 0.900 | K 0.670 | K 0.550 | K 0.850 | K 0.800 | K 0.850 | 1.39 | 2.83 |
| 25. | 0.900 | 0.800 | 1.39 | 1.19 | 1.32 | 1.01 | K 0.850 | K 0.630 | K 0.550 | K 0.800 | K 0.850 | K 0.850 | 1.19 | 2.56 |
| 26. | 0.550 | 0.800 | 1.32 | 1.46 | 1.13 | 1.07 | K 0.850 | K 0.630 | K 0.550 | K 0.750 | K 0.850 | K 0.950 | 1.13 | 2.29 |
| 27. | 1.13 | 0.800 | 1.39 | 2.11 | 1.07 | 1.13 | K 0.850 | K 0.630 | K 0.550 | K 0.950 | K 0.950 | K 0.950 | 1.07 | 2.56 |
| 28. | 1.13 | 0.850 | 1.61 | 1.53 | 1.01 | 1.01 | K 0.900 | K 0.630 | K 0.550 | K 1.69 | K 0.850 | K 0.900 | 1.07 | 2.38 |
| 29. | 1.13 | 0.900 | 1.32 | | 1.01 | 1.01 | K 0.850 | K 0.630 | K 0.550 | K 1.07 | K 0.800 | K 0.800 | 1.07 | 2.29 |
| 30. | 1.07 | 0.850 | 1.19 | | 1.01 | 1.01 | K 0.850 | K 0.590 | K 0.550 | K 0.850 | K 0.800 | K 0.750 | 8.21 | 6.13 |
| 31. | | 0.800 | 1.07 | | 1.01 | | K 0.800 | | K 0.670 | K 0.800 | | K 0.710 | | 6.13 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 6.+ | 25.+ | 2.+ | 7.+ | 9.+ | 9.+ | 17.+ | 30. | 2.+ | 3. | 20. | 13.+ | 1. | 11.+ |
| NQ | 0.550 | 0.800 | 0.710 | 0.900 | 0.950 | 0.900 | 0.800 | 0.590 | 0.550 | 0.550 | 0.670 | 0.710 | 0.670 | 1.13 |
| MQ | 0.838 | 1.02 | 1.01 | 1.08 | 1.13 | 1.00 | 0.991 | 0.750 | 0.614 | 0.997 | 0.784 | 0.843 | 1.39 | 2.15 |
| HQ | 3.23 | 2.29 | 3.83 | 3.23 | 2.93 | 2.29 | 2.93 | 1.53 | 1.69 | 7.77 | 1.69 | 1.25 | 14.2 | 10.2 |
| Tag | 8. | 7. | 21. | 27. | 22. | 15. | 10. | 16. | 23. | 12. | 24. | 6. | 30. | 23. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 9 | 11 | 11 | 10 | 12 | 10 | 10 | 8 | 6 | 10 | 8 | 9 | 14 | 23 |

| | 1947/2001 | | 1948/2002 | | | | | | 55 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1991 | 1991 | 1959+ | 1993 | 1993 | 1971 | 1993 | 1992+ | 1992 | 1964 | 1964 | 1964 | 1991 | 1991 |
| NQ | 0.330 | 0.360 | 0.460 | 0.480 | 0.510 | 0.260 | 0.300 | 0.330 | 0.360 | 0.250 | 0.220 | 0.250 | 0.330 | 0.360 |
| MNQ | 0.861 | 0.864 | 0.895 | 0.927 | 0.937 | 0.976 | 0.958 | 0.832 | 0.803 | 0.765 | 0.797 | 0.812 | 0.857 | 0.867 |
| MQ | 1.08 | 1.17 | 1.28 | 1.26 | 1.44 | 1.44 | 1.34 | 1.28 | 1.15 | 1.05 | 0.977 | 1.05 | 1.09 | 1.18 |
| MHQ | 1.95 | 2.53 | 3.13 | 2.74 | 3.36 | 4.82 | 4.13 | 5.43 | 3.67 | 3.52 | 2.02 | 2.68 | 2.19 | 2.63 |
| HQ | 8.09 | 10.4 | 24.2 | 17.0 | 14.6 | 34.7 | 44.0 | 48.8 | 38.0 | 26.2 | 9.86 | 17.5 | 14.2 | 10.4 |
| Jahr | 1977 | 1981 | 1969 | 1970 | 1979 | 1965 | 1969 | 1961 | 1958 | 1981 | 1952 | 1966 | 2002 | 1981 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 11 | 12 | 13 | 12 | 15 | 15 | 14 | 13 | 12 | 11 | 10 | 11 | 11 | 12 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 0.550 | am 06.11.2001 | 0.550 | 0.550 |
| MQ m³/s | 0.921 | | 1.01 | 0.831 |
| HQ m³/s | 7.77 | am 12.08.2002 | 3.83 | 7.77 |
| Nq l/(skm²) | 2.16 | | 2.16 | 2.16 |
| Mq l/(skm²) | 3.62 | | 3.97 | 3.27 |
| Hq l/(skm²) | 30.5 | | 15.0 | 30.5 |
| $h_N$ mm | | | | |
| $h_A$ mm | 114 | | 62 | 52 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.550 | am 02.07.2002 |
| 1.06 | |
| 14.2 | am 30.11.2002 |
| 2.16 | |
| 4.17 | |
| 55.8 | |
| | |
| 131 | |

| | 1948/2002 (*) 55 Jahre | | | | 1948/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.220 | am 21.09.1964 | 0.260 | 0.220 | 0.220 | am 21.09.1964 |
| MNQ m³/s | 0.620 | | 0.742 | 0.673 | 0.602 | |
| MQ m³/s | 1.21 | | 1.28 | 1.14 | 1.21 | |
| MHQ m³/s | 12.0 | | 6.99 | 10.0 | 12.1 | |
| HQ m³/s | 48.8 | am 04.06.1961 | 34.7 | 48.8 | 48.8 | am 04.06.1961 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 2.44 | | 2.92 | 2.64 | 2.37 | |
| Mq l/(skm²) | 4.75 | | 5.03 | 4.48 | 4.75 | |
| MHq l/(skm²) | 47.2 | | 27.5 | 39.3 | 47.5 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 150 | | 79 | 71 | 150 | |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1948/2002 55 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 3.63 | 8.21 | 37.1 | 7.70 | 1.07 |
| 363 | 2.47 | 8.21 | 28.8 | 6.15 | 1.01 |
| 362 | 2.38 | 8.21 | 18.2 | 5.30 | 1.01 |
| 361 | 2.20 | 5.63 | 14.2 | 4.78 | 1.01 |
| 360 | 2.11 | 4.83 | 12.3 | 4.32 | 0.950 |
| 359 | 1.93 | 3.63 | 10.2 | 3.93 | 0.900 |
| 358 | 1.85 | 2.83 | 10.0 | 3.75 | 0.850 |
| 357 | 1.85 | 2.83 | 10.0 | 3.50 | 0.850 |
| 356 | 1.85 | 2.83 | 10.0 | 3.29 | 0.850 |
| 350 | 1.53 | 2.38 | 6.37 | 2.65 | 0.850 |
| 340 | 1.39 | 1.77 | 5.49 | 2.16 | 0.800 |
| 330 | 1.32 | 1.53 | 4.57 | 1.90 | 0.710 |
| 320 | 1.19 | 1.46 | 4.05 | 1.71 | 0.710 |
| 300 | 1.13 | 1.25 | 3.67 | 1.47 | 0.670 |
| 270 | 1.07 | 1.13 | 3.29 | 1.27 | 0.630 |
| 240 | 1.01 | 1.07 | 2.93 | 1.16 | 0.630 |
| 210 | 0.950 | 1.01 | 2.59 | 1.08 | 0.590 |
| 183 | 0.900 | 1.01 | 2.42 | 1.02 | 0.590 |
| 150 | 0.850 | 0.900 | 2.25 | 0.930 | 0.510 |
| 130 | 0.850 | 0.850 | 2.25 | 0.880 | 0.480 |
| 120 | 0.850 | 0.850 | 2.11 | 0.860 | 0.480 |
| 110 | 0.850 | 0.850 | 2.11 | 0.840 | 0.480 |
| 100 | 0.800 | 0.800 | 2.11 | 0.810 | 0.480 |
| 90 | 0.800 | 0.800 | 1.97 | 0.790 | 0.480 |
| 80 | 0.750 | 0.800 | 1.97 | 0.760 | 0.480 |
| 70 | 0.750 | 0.750 | 1.97 | 0.760 | 0.450 |
| 60 | 0.750 | 0.750 | 1.83 | 0.720 | 0.450 |
| 50 | 0.750 | 0.750 | 1.83 | 0.690 | 0.390 |
| 40 | 0.670 | 0.710 | 1.83 | 0.680 | 0.390 |
| 30 | 0.630 | 0.670 | 1.69 | 0.640 | 0.390 |
| 25 | 0.630 | 0.630 | 1.69 | 0.610 | 0.390 |
| 20 | 0.630 | 0.630 | 1.69 | 0.600 | 0.360 |
| 15 | 0.590 | 0.590 | 1.55 | 0.560 | 0.360 |
| 10 | 0.590 | 0.590 | 1.55 | 0.490 | 0.320 |
| 9 | 0.590 | 0.590 | 1.55 | 0.490 | 0.320 |
| 8 | 0.590 | 0.590 | 1.44 | 0.490 | 0.320 |
| 7 | 0.590 | 0.590 | 1.44 | 0.460 | 0.320 |
| 6 | 0.590 | 0.590 | 1.44 | 0.460 | 0.320 |
| 5 | 0.590 | 0.590 | 1.44 | 0.460 | 0.320 |
| 4 | 0.590 | 0.590 | 1.44 | 0.450 | 0.320 |
| 3 | 0.590 | 0.590 | 1.44 | 0.450 | 0.320 |
| 2 | 0.590 | 0.590 | 1.44 | 0.370 | 0.320 |
| 1 | 0.590 | 0.590 | 1.22 | 0.350 | 0.320 |
| 0 | 0.550 | 0.550 | 1.00 | 0.220 | 0.220 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.220 | 0.864 | 21.09.1964 | 48.8 | 192 | | 04.06.1961 |
| 2 | 0.260 | 1.02 | 20.04.1971 | 44.0 | 173 | | 07.05.1969 |
| 3 | 0.300 | 1.18 | 21.05.1993 | 38.0 | 149 | | 06.07.1958 |
| 4 | 0.330 | 1.30 | 18.10.1991+ | 34.7 | 136 | | 29.04.1965 |
| 5 | 0.330 | 1.30 | 31.08.1976 | 29.4 | 116 | | 11.06.1965 |
| 6 | 0.370 | 1.45 | 20.09.1959 | 26.2 | 103 | | 10.08.1981 |
| 7 | 0.370 | 1.45 | 21.07.1957 | 25.4 | 99.8 | | 27.04.1980 |
| 8 | 0.390 | 1.53 | 28.07.1964+ | 24.7 | 97.1 | | 22.05.1978 |
| 9 | 0.420 | 1.65 | 10.07.1993 | 24.2 | 95.1 | | 25.01.1969 |
| 10 | 0.450 | 1.77 | 21.08.1999 | 24.1 | 94.7 | | 13.04.1994 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

5 Tage Grundeis, 4 Tage Eisversetzung/Eisstau, 15 Tage Randeis, 1 Tag Treibeis/Eisgang, 184 Tage Verkrautung(Sommerhalbjahr)

$A_{Eo}$ : 155 km²

PNP : NN + 407.53 m

Lage: 108.0 km oberhalb Mündung links

Q

m³/s

Pegel : Gräfinau-Angstedt Nr. 572890

Gewässer : Ilm

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.05 | 5.95 | 1.65 | 14.4 | 18.0 | 2.83 | 1.25 | 1.65 | 0.850 | 0.500 | 0.680 | 0.620 | 4.26 | 7.65 |
| 2. | 0.950 | 6.35 | 1.35 | 12.0 | 12.3 | 2.56 | 1.35 | 1.55 | 0.950 | 0.440 | 0.620 | 0.560 | 5.75 | 6.75 |
| 3. | 0.800 | 5.95 | 1.45 | 10.4 | 9.54 | 2.29 | 1.35 | 1.55 | 1.05 | 0.500 | 0.680 | 0.440 | 5.95 | 6.15 |
| 4. | 0.850 | 5.95 | 1.88 | 8.55 | 7.65 | 2.16 | 3.43 | 1.45 | 0.850 | 0.440 | 0.680 | 0.380 | 6.75 | 5.35 |
| 5. | 0.850 | 6.35 | 4.58 | 7.65 | 6.35 | 1.88 | 2.97 | 1.45 | 0.850 | 0.500 | 0.620 | 0.440 | 6.35 | 4.75 |
| 6. | 0.950 | 6.75 | 8.55 | 7.20 | 5.55 | 1.75 | 2.70 | 3.76 | 0.800 | 0.500 | 0.560 | 1.35 | 5.95 | 4.09 |
| 7. | 1.15 | 6.75 | 3.60 | 6.55 | 6.75 | 1.65 | 2.42 | 6.35 | 0.800 | 0.850 | 0.560 | 1.35 | 5.55 | 3.76 |
| 8. | 5.15 | 6.75 | 1.35 | 5.95 | 6.35 | 1.65 | 2.29 | 6.15 | 0.800 | 1.25 | 0.560 | 1.15 | 5.15 | 3.60 |
| 9. | 4.75 | 6.55 | 1.25 | 5.95 | 5.95 | 1.55 | 2.02 | 4.95 | 0.800 | 1.05 | 0.560 | 0.950 | 8.55 | 3.26 |
| 10. | 3.92 | 5.75 | 1.45 | 9.27 | 5.75 | 1.45 | 3.60 | 4.26 | 1.25 | 1.15 | 0.680 | 0.800 | 7.88 | 2.70 |
| 11. | 3.10 | 4.95 | 1.45 | 10.9 | 5.35 | 1.45 | 5.55 | 3.76 | 1.55 | 0.800 | 0.950 | 0.680 | 7.88 | 2.29 |
| 12. | 2.97 | 4.75 | 1.15 | 14.1 | 4.95 | 1.35 | 5.95 | 3.43 | 1.05 | 1.75 | 0.620 | 0.680 | 7.88 | 2.56 |
| 13. | 3.26 | 4.09 | 1.05 | 20.4 | 4.58 | 1.45 | 5.15 | 3.10 | 0.850 | 1.05 | 0.500 | 0.620 | 7.65 | 2.42 |
| 14. | 2.83 | 3.26 | 1.15 | 18.4 | 4.58 | 2.02 | 4.26 | 2.97 | 1.05 | 0.850 | 0.440 | 0.680 | 7.42 | 2.29 |
| 15. | 2.42 | 3.10 | 1.55 | 14.4 | 4.42 | 1.55 | 3.60 | 2.56 | 0.850 | 0.740 | 0.500 | 0.800 | 6.75 | 2.02 |
| 16. | 2.29 | 2.83 | 1.88 | 11.4 | 4.26 | 1.35 | 3.10 | 2.29 | 0.800 | 0.620 | 0.500 | 1.55 | 5.75 | 2.16 |
| 17. | 2.16 | 2.83 | 1.05 | 9.27 | 4.09 | 1.25 | 2.70 | 2.02 | 1.15 | 0.740 | 0.440 | 2.42 | 5.55 | 2.16 |
| 18. | 2.02 | 2.56 | 1.05 | 7.88 | 3.92 | 1.05 | 2.56 | 1.75 | 1.45 | 0.740 | 0.440 | 1.88 | 4.26 | 1.88 |
| 19. | 2.02 | 2.42 | 1.05 | 6.75 | 5.95 | 1.05 | 3.60 | 1.65 | 0.950 | 0.620 | 0.440 | 1.88 | 4.26 | 1.75 |
| 20. | 1.88 | 2.16 | 1.45 | 10.9 | 6.15 | 0.950 | 2.83 | 1.75 | 0.800 | 0.560 | 0.440 | 1.65 | 3.92 | 1.65 |
| 21. | 1.65 | 1.88 | 8.55 | 10.6 | 7.20 | 0.850 | 2.42 | 1.75 | 0.740 | 0.500 | 0.380 | 1.55 | 3.60 | 1.65 |
| 22. | 3.26 | 2.16 | 9.54 | 9.00 | 7.88 | 0.850 | 2.02 | 1.65 | 0.680 | 0.560 | 0.380 | 2.83 | 3.60 | 2.02 |
| 23. | 3.26 | 2.42 | 10.1 | 9.00 | 7.42 | 0.850 | 1.75 | 1.55 | 0.680 | 0.620 | 0.500 | 4.75 | 3.43 | 3.92 |
| 24. | 2.83 | 2.83 | 13.2 | 7.65 | 6.75 | 0.850 | 3.26 | 1.55 | 0.680 | 0.680 | 0.620 | 4.26 | 3.10 | 3.10 |
| 25. | 2.70 | 2.70 | 15.4 | 6.75 | 6.15 | 0.950 | 2.29 | 1.45 | 0.620 | 0.560 | 0.560 | 4.09 | 2.83 | 3.10 |
| 26. | 3.76 | 2.42 | 16.2 | 19.6 | 5.55 | 0.950 | 2.02 | 1.35 | 0.620 | 0.560 | 0.800 | 8.10 | 2.70 | 3.10 |
| 27. | 5.15 | 2.16 | 35.5 | 33.7 | 4.75 | 1.45 | 2.02 | 1.15 | 0.620 | 0.740 | 1.05 | 9.00 | 2.29 | 3.26 |
| 28. | 5.75 | 2.29 | 52.1 | 28.6 | 4.09 | 1.45 | 2.97 | 1.15 | 0.560 | 1.65 | 0.740 | 9.54 | 2.16 | 3.26 |
| 29. | 5.75 | 2.70 | 36.7 | | 3.76 | 1.45 | 2.16 | 1.05 | 0.560 | 0.950 | 0.620 | 7.88 | 3.43 | 3.60 |
| 30. | 5.95 | 2.16 | 22.9 | | 3.26 | 1.45 | 1.88 | 0.950 | 0.500 | 0.800 | 0.620 | 6.35 | 8.55 | 10.9 |
| 31. | | 1.65 | 18.0 | | 3.10 | | 1.75 | | 0.560 | 0.680 | | 5.15 | | 23.3 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 3. | 31. | 13.+ | 8.+ | 31. | 21.+ | 1. | 30. | 30. | 2.+ | 21.+ | 4. | 28. | 20.+ |
| NQ | 0.800 | 1.65 | 1.05 | 5.95 | 3.10 | 0.850 | 1.25 | 0.950 | 0.500 | 0.440 | 0.380 | 0.380 | 2.16 | 1.65 |
| MQ | 2.85 | 3.92 | 8.97 | 12.0 | 6.20 | 1.48 | 2.81 | 2.40 | 0.849 | 0.773 | 0.591 | 2.72 | 5.30 | 4.21 |
| HQ | 8.55 | 6.75 | 55.6 | 40.4 | 22.5 | 2.97 | 14.7 | 13.8 | 4.09 | 5.15 | 1.75 | 12.6 | 10.4 | 25.2 |
| Tag | 8. | 6.+ | 28. | 27. | 1. | 1. | 10. | 6. | 10. | 27. | 27. | 27. | 30. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 48 | 68 | 155 | 188 | 107 | 25 | 49 | 40 | 15 | 13 | 10 | 47 | 89 | 73 |

| | 1922/2001 | | 1923/2002 | | | | | | 80 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1991 | 1953 | 1954 | 1963 | 1963 | 1960 | 1943 | 1954 | 1934 | 1947 | 1928 | 1933 | 1991 | 1953 |
| NQ | 0.220 | 0.180 | 0.230 | 0.210 | 0.210 | 0.540 | 0.280 | 0.140 | 0.190 | 0.180 | 0.160 | 0.220 | 0.220 | 0.180 |
| MNQ | 1.07 | 1.21 | 1.31 | 1.45 | 1.60 | 2.09 | 1.09 | 0.776 | 0.653 | 0.550 | 0.602 | 0.705 | 1.07 | 1.21 |
| MQ | 2.47 | 3.19 | 3.40 | 3.34 | 3.79 | 4.20 | 2.13 | 1.68 | 1.31 | 1.06 | 1.20 | 1.72 | 2.49 | 3.18 |
| MHQ | 7.31 | 10.2 | 10.4 | 9.37 | 10.7 | 9.51 | 5.27 | 5.32 | 4.38 | 4.94 | 3.60 | 4.96 | 7.32 | 10.3 |
| HQ | 49.2 | 47.7 | 55.6 | 69.3 | 60.8 | 49.3 | 18.0 | 23.2 | 14.7 | 79.6 | 25.7 | 24.8 | 49.2 | 47.7 |
| Jahr | 1940 | 1947 | 2002 | 1946 | 1981 | 1994 | 1969 | 1972 | 1996 | 1981 | 1998 | 1960 | 1940 | 1947 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 41 | 55 | 59 | 52 | 66 | 70 | 37 | 28 | 23 | 18 | 20 | 30 | 42 | 55 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 0.380 | am 21.09.2002 | 0.800 | 0.380 |
| MQ | m³/s | 3.75 | | 5.85 | 1.69 |
| HQ | m³/s | 55.6 | am 28.01.2002 | 55.6 | 14.7 |
| Nq | l/(s km²) | 2.45 | | 5.17 | 2.45 |
| Mq | l/(s km²) | 24.2 | | 37.8 | 10.9 |
| Hq | l/(s km²) | 359 | | 359 | 95.0 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 764 | | 591 | 174 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.380 | am 21.09.2002 |
| 3.98 | |
| 55.6 | am 28.01.2002 |
| 2.45 | |
| 25.7 | |
| 359 | |
| | |
| 811 | |

### 1923/2002 (*) 80 Jahre

| | | | | | |
|---|---|---|---|---|---|
| NQ | m³/s | 0.140 | am 18.06.1954 | 0.180 | 0.140 |
| MNQ | m³/s | 0.382 | | 0.664 | 0.422 |
| MQ | m³/s | 2.45 | | 3.40 | 1.52 |
| MHQ | m³/s | 22.0 | | 21.0 | 10.4 |
| HQ | m³/s | 79.6 | am 10.08.1981 | 69.3 | 79.6 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(s km²) | 2.47 | | 4.29 | 2.73 |
| Mq | l/(s km²) | 15.8 | | 22.0 | 9.82 |
| MHq | l/(s km²) | 142 | | 136 | 67.2 |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 499 | | 343 | 156 |

### 1923/2002

| | |
|---|---|
| 0.140 | am 18.06.1954 |
| 0.395 | |
| 2.45 | |
| 22.0 | |
| 79.6 | am 10.08.1981 |
| | |
| | |
| 2.55 | |
| 15.8 | |
| 142 | |
| | |
| 499 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(s km²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(s km²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.140 | 0.904 | 18.06.1954 | 79.6 | 514 | | 10.08.1981 |
| 2 | 0.160 | 1.03 | 21.09.1928+ | 69.3 | 448 | | 08.02.1946 |
| 3 | 0.180 | 1.16 | 12.12.1953+ | 60.8 | 393 | | 12.03.1981 |
| 4 | 0.180 | 1.16 | 21.08.1947+ | 55.6 | 359 | | 28.01.2002 |
| 5 | 0.190 | 1.23 | 07.08.1935+ | 49.3 | 318 | | 13.04.1994 |
| 6 | 0.190 | 1.23 | 08.07.1934 | 49.2 | 318 | | 05.11.1940 |
| 7 | 0.190 | 1.23 | 31.08.1929+ | 47.7 | 308 | | 28.12.1947 |
| 8 | 0.200 | 1.29 | 09.07.1976+ | 45.4 | 293 | | 06.01.1982 |
| 9 | 0.210 | 1.36 | 18.09.1964+ | 41.0 | 265 | | 26.02.1997 |
| 10 | 0.210 | 1.36 | 13.02.1963+ | 40.4 | 261 | | 27.02.2002 |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1923/2002 80 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 52.1 | 52.1 | 57.1 | 19.7 | 5.54 |
| 363 | 36.7 | 36.7 | 50.2 | 15.9 | 5.28 |
| 362 | 35.5 | 35.5 | 45.5 | 13.8 | 4.70 |
| 361 | 33.7 | 33.7 | 45.5 | 12.4 | 4.42 |
| 360 | 28.6 | 28.6 | 45.5 | 11.5 | 4.38 |
| 359 | 22.9 | 23.3 | 29.2 | 11.0 | 4.38 |
| 358 | 20.4 | 22.9 | 25.2 | 10.5 | 4.23 |
| 357 | 19.6 | 20.4 | 23.5 | 10.2 | 4.19 |
| 356 | 18.4 | 19.6 | 21.8 | 9.90 | 3.81 |
| 350 | 15.4 | 15.4 | 15.4 | 8.09 | 2.95 |
| 340 | 10.1 | 10.6 | 12.1 | 6.58 | 2.47 |
| 330 | 9.00 | 9.27 | 10.3 | 5.61 | 2.22 |
| 320 | 7.42 | 8.10 | 8.62 | 4.90 | 2.11 |
| 300 | 6.15 | 6.55 | 7.52 | 3.90 | 1.62 |
| 270 | 4.75 | 5.15 | 5.76 | 2.92 | 1.17 |
| 240 | 3.26 | 3.76 | 4.73 | 2.26 | 0.770 |
| 210 | 2.56 | 2.83 | 4.27 | 1.82 | 0.570 |
| 183 | 2.02 | 2.16 | 3.50 | 1.51 | 0.510 |
| 150 | 1.55 | 1.65 | 2.71 | 1.23 | 0.470 |
| 130 | 1.45 | 1.45 | 2.47 | 1.06 | 0.440 |
| 120 | 1.25 | 1.35 | 2.35 | 0.990 | 0.410 |
| 110 | 1.15 | 1.15 | 2.22 | 0.940 | 0.400 |
| 100 | 1.05 | 1.15 | 1.98 | 0.880 | 0.390 |
| 90 | 0.950 | 1.05 | 1.89 | 0.820 | 0.380 |
| 80 | 0.950 | 0.950 | 1.62 | 0.780 | 0.350 |
| 70 | 0.850 | 0.850 | 1.50 | 0.730 | 0.340 |
| 60 | 0.740 | 0.740 | 1.42 | 0.670 | 0.310 |
| 50 | 0.740 | 0.740 | 1.38 | 0.620 | 0.310 |
| 40 | 0.680 | 0.680 | 1.27 | 0.560 | 0.280 |
| 30 | 0.620 | 0.620 | 1.27 | 0.510 | 0.240 |
| 25 | 0.620 | 0.620 | 1.27 | 0.470 | 0.220 |
| 20 | 0.560 | 0.560 | 1.17 | 0.430 | 0.220 |
| 15 | 0.560 | 0.560 | 1.17 | 0.400 | 0.220 |
| 10 | 0.500 | 0.500 | 1.07 | 0.350 | 0.220 |
| 9 | 0.500 | 0.500 | 1.07 | 0.340 | 0.220 |
| 8 | 0.500 | 0.500 | 1.07 | 0.330 | 0.220 |
| 7 | 0.500 | 0.500 | 1.07 | 0.320 | 0.220 |
| 6 | 0.500 | 0.500 | 1.07 | 0.310 | 0.220 |
| 5 | 0.500 | 0.500 | 1.07 | 0.300 | 0.220 |
| 4 | 0.500 | 0.500 | 1.07 | 0.280 | 0.220 |
| 3 | 0.500 | 0.500 | 0.970 | 0.260 | 0.220 |
| 2 | 0.440 | 0.440 | 0.970 | 0.240 | 0.220 |
| 1 | 0.440 | 0.440 | 0.970 | 0.230 | 0.180 |
| 0 | 0.380 | 0.380 | 0.870 | 0.140 | 0.140 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 627 km²

PNP : NN + 222.80 m

Lage: 53.8 km oberhalb Mündung links

Q

m³/s

Pegel : Mellingen Nr. 572910

Gewässer : Ilm

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.03 | 6.98 | 2.53 | 18.9 | 33.4 | 5.59 | 3.52 | 3.39 | 2.11 | 0.900 | 1.29 | 0.800 | 6.63 | 32.8 |
| 2. | 1.03 | 7.50 | 2.64 | 15.1 | 21.5 | 5.28 | 3.39 | 3.25 | 2.01 | 1.20 | 1.20 | 0.800 | 6.45 | 19.4 |
| 3. | 1.03 | 7.50 | 2.32 | 12.8 | 16.1 | 4.97 | 3.52 | 3.12 | 2.01 | 1.20 | 1.12 | 0.800 | 9.06 | 16.6 |
| 4. | 0.900 | 6.98 | 1.80 | 11.2 | 13.0 | 4.66 | 6.98 | 3.12 | 1.90 | 1.29 | 1.03 | 0.800 | 10.5 | 14.4 |
| 5. | 0.900 | 7.69 | 1.29 | 9.66 | 10.7 | 4.51 | 10.5 | 2.85 | 1.71 | 1.29 | 1.03 | 0.800 | 9.88 | 13.2 |
| 6. | 0.900 | 8.67 | 1.37 | 9.26 | 9.26 | 4.20 | 7.89 | 3.39 | 1.54 | 1.29 | 0.950 | 1.03 | 8.87 | 12.1 |
| 7. | 0.950 | 9.66 | 2.01 | 8.28 | 9.06 | 3.93 | 7.89 | 12.3 | 1.46 | 1.29 | 0.900 | 2.22 | 8.28 | 10.7 |
| 8. | 2.11 | 9.06 | 2.85 | 7.50 | 9.88 | 3.66 | 6.80 | 14.4 | 1.29 | 2.01 | 0.900 | 2.01 | 8.28 | 9.66 |
| 9. | 7.33 | 8.28 | 2.64 | 6.80 | 8.87 | 3.52 | 6.45 | 9.88 | 1.20 | 2.64 | 0.900 | 1.63 | 10.1 | 8.87 |
| 10. | 4.97 | 7.33 | 2.22 | 8.87 | 8.48 | 3.25 | 6.98 | 8.28 | 1.46 | 2.11 | 0.950 | 1.46 | 11.8 | 8.48 |
| 11. | 4.35 | 6.45 | 1.37 | 9.88 | 7.69 | 3.12 | 15.3 | 7.50 | 1.80 | 2.01 | 1.54 | 1.37 | 11.6 | 7.89 |
| 12. | 3.93 | 5.93 | 1.90 | 12.1 | 7.15 | 3.25 | 11.4 | 6.80 | 1.80 | 3.66 | 1.46 | 1.37 | 12.1 | 7.50 |
| 13. | 4.20 | 5.93 | 2.11 | 20.5 | 6.63 | 3.39 | 12.5 | 6.10 | 1.71 | 3.66 | 1.12 | 1.29 | 11.0 | 7.15 |
| 14. | 4.20 | 4.82 | 1.80 | 22.6 | 6.45 | 3.52 | 9.66 | 5.59 | 1.54 | 2.64 | 0.950 | 1.20 | 10.5 | 6.80 |
| 15. | 3.79 | 4.35 | 1.46 | 17.6 | 6.45 | 3.93 | 8.48 | 5.13 | 1.54 | 2.22 | 0.950 | 1.20 | 10.3 | 6.45 |
| 16. | 3.39 | 4.66 | 1.80 | 13.7 | 6.28 | 3.39 | 7.69 | 4.66 | 1.54 | 1.90 | 0.950 | 1.46 | 9.06 | 6.10 |
| 17. | 3.52 | 4.20 | 2.01 | 11.0 | 6.10 | 3.12 | 7.15 | 3.93 | 1.90 | 1.71 | 0.950 | 2.22 | 8.28 | 6.10 |
| 18. | 2.85 | 4.06 | 1.80 | 9.06 | 5.59 | 3.12 | 6.45 | 3.52 | 2.32 | 1.54 | 0.950 | 2.53 | 7.50 | 5.75 |
| 19. | 2.74 | 3.79 | 1.90 | 7.69 | 6.80 | 3.25 | 6.63 | 3.12 | 1.80 | 1.46 | 0.950 | 2.43 | 7.15 | 5.44 |
| 20. | 2.74 | 3.66 | 2.01 | 8.87 | 7.50 | 3.39 | 6.98 | 3.12 | 1.63 | 1.20 | 0.950 | 2.43 | 7.69 | 5.28 |
| 21. | 2.43 | 3.39 | 6.98 | 14.1 | 9.88 | 3.25 | 5.93 | 2.98 | 1.54 | 1.29 | 0.900 | 2.22 | 6.98 | 4.97 |
| 22. | 2.53 | 3.39 | 13.7 | 10.7 | 13.7 | 3.12 | 5.28 | 3.12 | 1.37 | 1.54 | 0.850 | 2.43 | 6.45 | 5.59 |
| 23. | 4.51 | 3.39 | 12.8 | 10.7 | 13.0 | 2.85 | 4.97 | 2.74 | 1.20 | 1.20 | 0.950 | 4.20 | 6.98 | 13.9 |
| 24. | 3.79 | 2.64 | 13.7 | 10.3 | 11.0 | 2.85 | 5.75 | 2.43 | 1.20 | 1.12 | 1.03 | 5.44 | 6.63 | 11.4 |
| 25. | 3.52 | 2.74 | 17.6 | 8.87 | 10.3 | 3.12 | 5.59 | 2.32 | 1.20 | 1.20 | 1.12 | 4.97 | 6.10 | 11.0 |
| 26. | 4.20 | 3.12 | 17.1 | 16.3 | 9.26 | 2.98 | 4.82 | 2.22 | 1.12 | 1.12 | 0.950 | 7.50 | 5.75 | 10.1 |
| 27. | 6.63 | 2.98 | 21.2 | 36.7 | 8.48 | 3.52 | 4.35 | 2.11 | 0.950 | 1.20 | 1.20 | 8.48 | 5.44 | 10.1 |
| 28. | 7.33 | 2.98 | 44.8 | 49.2 | 7.69 | 3.93 | 4.66 | 2.01 | 0.850 | 2.43 | 1.37 | 11.6 | 5.13 | 10.3 |
| 29. | 7.15 | 3.79 | 58.3 | | 7.15 | 3.79 | 4.51 | 2.01 | 0.750 | 2.01 | 1.20 | 10.1 | 5.44 | 8.67 |
| 30. | 7.33 | 3.52 | 43.0 | | 6.63 | 3.79 | 4.06 | 2.22 | 0.750 | 1.63 | 1.03 | 8.67 | 47.7 | 19.2 |
| 31. | | 2.98 | 25.5 | | 6.10 | | 3.66 | | 0.700 | 1.46 | | 7.50 | | 42.3 |

## Hauptwerte

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 4.+ | 24. | 5. | 9. | 18. | 23.+ | 2. | 28.+ | 31. | 1. | 22. | 1.+ | 28. | 21. |
| NQ | 0.900 | 2.64 | 1.29 | 6.80 | 5.59 | 2.85 | 3.39 | 2.01 | 0.700 | 0.900 | 0.850 | 0.800 | 5.13 | 4.97 |
| MQ | 3.54 | 5.24 | 10.1 | 14.2 | 10.0 | 3.68 | 6.77 | 4.59 | 1.48 | 1.72 | 1.05 | 3.32 | 9.59 | 11.6 |
| HQ | 9.66 | 10.3 | 61.6 | 52.7 | 42.3 | 5.75 | 22.6 | 19.9 | 2.64 | 5.59 | 1.80 | 12.5 | 67.5 | 60.3 |
| Tag | 9. | 6.+ | 29. | 28. | 1. | 1. | 11. | 7. | 18. | 12. | 11. | 28. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 15 | 22 | 43 | 55 | 43 | 15 | 29 | 19 | 6 | 7 | 4 | 14 | 40 | 50 |

| | 1922/2001 | | 1923/2002 | | | | | | 80 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1991 | 1989+ | 1954 | 1963 | 1963 | 1991 | 1990 | 1934 | 1976 | 1991 | 1929 | 1991 | 1991 | 1989+ |
| NQ | 0.350 | 0.490 | 0.330 | 0.360 | 0.360 | 1.10 | 0.390 | 0.220 | 0.220 | 0.220 | 0.150 | 0.180 | 0.350 | 0.490 |
| MNQ | 1.98 | 2.14 | 2.35 | 2.83 | 3.32 | 4.08 | 2.54 | 1.89 | 1.45 | 1.16 | 1.08 | 1.27 | 2.00 | 2.14 |
| MQ | 3.97 | 4.82 | 5.44 | 5.59 | 6.64 | 7.12 | 4.29 | 3.65 | 2.66 | 2.03 | 1.95 | 2.64 | 4.02 | 4.87 |
| MHQ | 10.8 | 13.6 | 16.2 | 14.1 | 17.4 | 15.4 | 9.81 | 11.1 | 7.76 | 6.17 | 4.66 | 7.07 | 11.5 | 14.2 |
| HQ | 88.8 | 70.7 | 77.8 | 57.3 | 71.8 | 98.3 | 52.5 | 70.7 | 67.7 | 95.9 | 22.6 | 38.0 | 88.8 | 70.7 |
| Jahr | 1940 | 1947 | 1926 | 1940 | 1981 | 1994 | 1969 | 1961 | 1956 | 1981 | 1998 | 1939 | 1940 | 1947 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 16 | 21 | 23 | 22 | 28 | 29 | 18 | 15 | 11 | 9 | 8 | 11 | 17 | 21 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 0.700 | am 31.07.2002 | 0.900 | 0.700 |
| MQ | m³/s | 5.43 | | 7.74 | 3.16 |
| HQ | m³/s | 61.6 | am 29.01.2002 | 61.6 | 22.6 |
| Nq | l/(skm²) | 1.12 | | 1.44 | 1.12 |
| Mq | l/(skm²) | 8.66 | | 12.3 | 5.04 |
| Hq | l/(skm²) | 98.2 | | 98.2 | 36.0 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 273 | | 193 | 80 |
| | | 1923/2002 (*) 80 Jahre | | | |
| NQ | m³/s | 0.150 | am 10.09.1929 | 0.330 | 0.150 |
| MNQ | m³/s | 0.762 | | 1.35 | 0.851 |
| MQ | m³/s | 4.22 | | 5.60 | 2.87 |
| MHQ | m³/s | 34.8 | | 31.1 | 19.2 |
| HQ | m³/s | 98.3 | am 13.04.1994 | 98.3 | 95.9 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(skm²) | 1.22 | | 2.15 | 1.36 |
| Mq | l/(skm²) | 6.73 | | 8.93 | 4.58 |
| MHq | l/(skm²) | 55.5 | | 49.6 | 30.6 |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 212 | | 140 | 73 |

### Kalenderjahr 2002

| | | Jahr | Datum |
|---|---|---|---|
| NQ | m³/s | 0.700 | am 31.07.2002 |
| MQ | m³/s | 6.47 | |
| HQ | m³/s | 67.5 | am 30.11.2002 |
| Nq | l/(skm²) | 1.12 | |
| Mq | l/(skm²) | 10.3 | |
| Hq | l/(skm²) | 108 | |
| $h_N$ | mm | | |
| $h_A$ | mm | 325 | |
| | | 1923/2002 | |
| NQ | m³/s | 0.150 | am 10.09.1929 |
| MNQ | m³/s | 0.774 | |
| MQ | m³/s | 4.23 | |
| MHQ | m³/s | 35.7 | |
| HQ | m³/s | 98.3 | am 13.04.1994 |
| $HQ_1$ | m³/s | | |
| $HQ_5$ | m³/s | | |
| MNq | l/(skm²) | 1.23 | |
| Mq | l/(skm²) | 6.75 | |
| MHq | l/(skm²) | 56.9 | |
| $Mh_N$ | mm | | |
| $Mh_A$ | mm | 213 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.150 | 0.239 | 10.09.1929+ | 98.3 | 157 | | 13.04.1994 |
| 2 | 0.170 | 0.271 | 09.09.1928 | 95.9 | 153 | | 11.08.1981 |
| 3 | 0.180 | 0.287 | 03.09.1991+ | 88.8 | 142 | | 05.11.1940 |
| 4 | 0.220 | 0.351 | 13.07.1976+ | 77.8 | 124 | | 01.01.1926 |
| 5 | 0.220 | 0.351 | 25.06.1934 | 71.8 | 115 | | 12.03.1981+ |
| 6 | 0.280 | 0.447 | 15.09.1923 | 70.7 | 113 | | 10.06.1961 |
| 7 | 0.300 | 0.478 | 02.08.1990+ | 70.7 | 113 | | 29.12.1947 |
| 8 | 0.300 | 0.478 | 08.10.1926 | 69.5 | 111 | | 14.03.1947 |
| 9 | 0.320 | 0.510 | 06.08.1947+ | 69.5 | 111 | | 31.12.1925 |
| 10 | 0.330 | 0.526 | 13.09.1959 | 67.7 | 108 | | 20.07.1956 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1923/2002 Obere Hüllwerte | 80 Kalenderjahre Mittlere Werte | 80 Kalenderjahre Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 58.3 | 58.3 | 75.0 | 30.1 | 7.26 |
| 363 | 49.2 | 49.2 | 61.8 | 24.9 | 6.53 |
| 362 | 44.8 | 47.7 | 55.4 | 22.2 | 6.38 |
| 361 | 43.0 | 44.8 | 53.6 | 20.5 | 5.95 |
| 360 | 36.7 | 43.0 | 46.0 | 19.0 | 5.95 |
| 359 | 33.4 | 42.3 | 42.3 | 18.1 | 5.95 |
| 358 | 25.5 | 36.7 | 41.0 | 17.2 | 5.55 |
| 357 | 22.6 | 33.4 | 41.0 | 16.6 | 5.27 |
| 356 | 21.5 | 32.8 | 41.0 | 15.8 | 5.27 |
| 350 | 17.1 | 19.4 | 28.5 | 13.3 | 3.98 |
| 340 | 14.1 | 15.1 | 18.6 | 10.7 | 3.87 |
| 330 | 11.2 | 13.2 | 16.3 | 9.10 | 3.51 |
| 320 | 10.1 | 11.8 | 14.7 | 8.03 | 3.40 |
| 300 | 8.67 | 10.3 | 13.0 | 6.63 | 2.75 |
| 270 | 7.15 | 8.67 | 11.2 | 5.14 | 1.76 |
| 240 | 5.44 | 7.15 | 9.46 | 4.07 | 1.24 |
| 210 | 4.06 | 5.93 | 8.23 | 3.35 | 1.00 |
| 183 | 3.52 | 4.35 | 7.35 | 2.87 | 0.880 |
| 150 | 2.85 | 3.25 | 5.82 | 2.36 | 0.760 |
| 130 | 2.32 | 2.53 | 4.87 | 2.11 | 0.750 |
| 120 | 2.22 | 2.32 | 4.48 | 1.98 | 0.660 |
| 110 | 2.11 | 2.11 | 4.23 | 1.84 | 0.620 |
| 100 | 1.90 | 2.01 | 4.10 | 1.71 | 0.620 |
| 90 | 1.63 | 1.90 | 3.87 | 1.59 | 0.540 |
| 80 | 1.54 | 1.63 | 3.63 | 1.48 | 0.490 |
| 70 | 1.46 | 1.54 | 3.28 | 1.36 | 0.390 |
| 60 | 1.37 | 1.37 | 3.07 | 1.26 | 0.350 |
| 50 | 1.29 | 1.29 | 2.86 | 1.14 | 0.300 |
| 40 | 1.20 | 1.29 | 2.75 | 1.03 | 0.240 |
| 30 | 1.03 | 1.12 | 2.65 | 0.910 | 0.220 |
| 25 | 1.03 | 1.03 | 2.65 | 0.850 | 0.210 |
| 20 | 1.03 | 1.03 | 2.55 | 0.760 | 0.200 |
| 15 | 0.950 | 1.03 | 2.45 | 0.710 | 0.190 |
| 10 | 0.950 | 0.950 | 2.35 | 0.600 | 0.190 |
| 9 | 0.900 | 0.900 | 2.35 | 0.570 | 0.190 |
| 8 | 0.900 | 0.900 | 2.35 | 0.560 | 0.190 |
| 7 | 0.850 | 0.850 | 2.27 | 0.520 | 0.190 |
| 6 | 0.850 | 0.850 | 2.27 | 0.500 | 0.190 |
| 5 | 0.850 | 0.850 | 2.27 | 0.460 | 0.190 |
| 4 | 0.850 | 0.850 | 2.14 | 0.430 | 0.190 |
| 3 | 0.850 | 0.850 | 2.14 | 0.390 | 0.190 |
| 2 | 0.800 | 0.800 | 2.14 | 0.350 | 0.190 |
| 1 | 0.800 | 0.800 | 2.02 | 0.270 | 0.190 |
| 0 | 0.700 | 0.700 | 1.91 | 0.150 | 0.150 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 894 km²

PNP : NN + 133.40 m

Lage: 10.0 km oberhalb Mündung links

Q

m³/s

Pegel : Niedertrebra Nr. 572920

Gewässer : Ilm

Gebiet : Obere Saale

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.65 | 7.77 | 3.95 | 22.8 | 37.9 | 8.20 | 4.60 | 5.00 | 3.49 | 2.61 | 2.61 | 2.25 | 7.60 | 57.8 |
| 2. | 1.77 | 7.99 | 3.95 | 19.0 | 25.9 | 7.90 | 4.80 | 4.80 | 3.49 | 2.73 | 2.49 | 2.13 | 7.90 | 27.9 |
| 3. | 1.65 | 8.22 | 3.80 | 16.7 | 20.0 | 7.30 | 4.80 | 4.80 | 3.33 | 2.49 | 2.49 | 2.13 | 11.0 | 23.5 |
| 4. | 1.65 | 7.77 | 3.95 | 14.7 | 16.4 | 6.70 | 8.48 | 4.80 | 3.33 | 2.49 | 2.49 | 2.25 | 13.4 | 20.7 |
| 5. | 1.59 | 7.99 | 4.60 | 13.4 | 14.1 | 6.70 | 15.0 | 4.60 | 3.17 | 2.61 | 2.37 | 2.01 | 12.4 | 19.0 |
| 6. | 1.65 | 8.89 | 5.92 | 12.0 | 12.4 | 6.44 | 12.4 | 5.20 | 3.17 | 2.73 | 2.37 | 3.01 | 11.0 | 17.6 |
| 7. | 1.77 | 10.1 | 6.18 | 11.3 | 11.0 | 5.92 | 11.3 | 13.7 | 3.01 | 2.49 | 2.25 | 3.17 | 9.94 | 16.1 |
| 8. | 3.20 | 9.61 | 5.66 | 9.94 | 12.7 | 5.92 | 9.94 | 17.9 | 3.01 | 2.73 | 2.13 | 3.33 | 10.3 | 14.4 |
| 9. | 7.32 | 9.13 | 4.40 | 9.32 | 11.0 | 5.66 | 9.32 | 14.1 | 2.85 | 3.49 | 2.13 | 3.17 | 11.7 | 13.4 |
| 10. | 5.83 | 8.22 | 3.49 | 10.6 | 10.6 | 5.40 | 9.04 | 11.0 | 3.17 | 3.49 | 2.37 | 2.73 | 15.7 | 12.4 |
| 11. | 4.60 | 7.32 | 2.85 | 12.7 | 9.94 | 5.20 | 19.3 | 9.94 | 3.65 | 3.49 | 3.01 | 2.61 | 15.4 | 11.0 |
| 12. | 4.07 | 6.87 | 2.73 | 14.1 | 9.32 | 5.00 | 15.4 | 8.48 | 3.49 | 4.40 | 2.61 | 2.61 | 16.1 | 9.94 |
| 13. | 4.25 | 6.87 | 3.01 | 20.7 | 8.76 | 5.00 | 17.0 | 7.90 | 3.01 | 5.66 | 2.25 | 2.61 | 14.7 | 9.60 |
| 14. | 4.60 | 5.83 | 3.01 | 25.5 | 9.04 | 5.92 | 13.7 | 7.30 | 3.17 | 4.10 | 2.13 | 2.61 | 14.1 | 9.60 |
| 15. | 3.90 | 5.01 | 2.73 | 22.1 | 9.32 | 6.44 | 12.4 | 7.00 | 3.17 | 3.49 | 2.25 | 2.49 | 13.4 | 9.32 |
| 16. | 3.72 | 4.81 | 3.17 | 17.9 | 9.04 | 5.66 | 11.0 | 7.30 | 3.17 | 3.17 | 2.13 | 2.73 | 12.4 | 8.76 |
| 17. | 3.72 | 4.43 | 2.85 | 15.0 | 8.48 | 5.00 | 9.94 | 5.66 | 5.66 | 3.01 | 2.13 | 3.17 | 10.6 | 9.04 |
| 18. | 3.55 | 4.07 | 3.33 | 13.1 | 7.90 | 4.80 | 9.04 | 5.20 | 5.66 | 3.33 | 2.01 | 3.80 | 9.94 | 8.48 |
| 19. | 3.20 | 3.90 | 3.01 | 11.3 | 7.90 | 4.80 | 9.32 | 4.60 | 4.10 | 3.01 | 2.01 | 3.80 | 9.94 | 7.60 |
| 20. | 3.20 | 4.07 | 3.17 | 10.6 | 9.94 | 4.60 | 9.94 | 4.80 | 3.33 | 2.73 | 2.01 | 3.95 | 10.6 | 7.30 |
| 21. | 3.02 | 3.90 | 4.40 | 17.6 | 12.4 | 4.40 | 8.48 | 4.80 | 3.01 | 3.17 | 1.89 | 3.80 | 9.32 | 6.70 |
| 22. | 2.85 | 3.72 | 16.7 | 15.0 | 15.7 | 4.25 | 7.30 | 5.00 | 2.85 | 3.49 | 2.01 | 4.40 | 8.76 | 7.60 |
| 23. | 4.60 | 3.72 | 15.4 | 14.4 | 18.3 | 4.25 | 6.70 | 4.40 | 2.73 | 2.73 | 2.25 | 5.20 | 10.6 | 20.4 |
| 24. | 4.43 | 3.72 | 15.4 | 14.4 | 15.0 | 4.40 | 7.30 | 4.10 | 2.73 | 2.73 | 2.13 | 6.70 | 9.32 | 15.4 |
| 25. | 3.90 | 3.37 | 18.3 | 12.4 | 14.1 | 4.40 | 7.90 | 3.95 | 2.73 | 2.85 | 2.13 | 6.18 | 8.48 | 17.6 |
| 26. | 4.43 | 3.55 | 18.3 | 15.4 | 13.1 | 4.40 | 6.70 | 3.65 | 2.73 | 2.49 | 2.13 | 7.30 | 7.90 | 15.4 |
| 27. | 6.04 | 3.55 | 20.7 | 31.7 | 11.3 | 4.80 | 6.18 | 3.65 | 2.73 | 2.49 | 2.13 | 11.3 | 7.60 | 15.7 |
| 28. | 7.55 | 3.72 | 32.9 | 40.4 | 10.6 | 5.00 | 6.44 | 3.65 | 2.61 | 3.49 | 2.25 | 13.7 | 7.00 | 15.7 |
| 29. | 7.77 | 4.07 | 42.7 | | 9.60 | 4.80 | 6.70 | 3.49 | 2.49 | 3.65 | 2.25 | 12.7 | 7.60 | 14.7 |
| 30. | 7.77 | 4.43 | 49.2 | | 9.04 | 4.80 | 5.66 | 3.49 | 2.49 | 3.01 | 2.13 | 11.0 | 29.1 | 23.9 |
| 31. | | 3.90 | 30.2 | | 8.48 | | 5.20 | | 2.49 | 2.73 | | 9.04 | | 40.8 |

## Hauptwerte

| | Nov 2001 | Dez 2001 | Jan 2002 | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 5. | 25. | 12.+ | 9. | 18.+ | 22.+ | 1. | 29.+ | 29.+ | 3.+ | 21. | 5. | 28. | 21. |
| NQ | 1.59 | 3.37 | 2.73 | 9.32 | 7.90 | 4.25 | 4.60 | 3.49 | 2.49 | 2.49 | 1.89 | 2.01 | 7.00 | 6.70 |
| MQ | 3.98 | 5.82 | 11.0 | 16.6 | 12.9 | 5.47 | 9.40 | 6.48 | 3.23 | 3.13 | 2.25 | 4.77 | 11.5 | 16.4 |
| HQ | 10.3 | 10.6 | 55.0 | 43.1 | 43.1 | 8.48 | 24.5 | 22.1 | 14.7 | 9.60 | 5.40 | 15.4 | 45.8 | 72.8 |
| Tag | 9. | 7. | 30. | 28. | 1. | 1. | 11. | 7. | 17. | 21. | 10. | 28. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 12 | 17 | 33 | 45 | 39 | 16 | 28 | 19 | 10 | 9 | 7 | 14 | 33 | 49 |

| | 1922/2001 | | 1923/2002 | | | | | | 80 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1947 | 1949 | 1964 | 1963 | 1963 | 1938 | 1934 | 1934 | 1934 | 1949 | 1929 | 1949 | 1947 | 1949 |
| NQ | 0.810 | 0.810 | 0.950 | 0.950 | 0.950 | 2.00 | 1.37 | 0.630 | 0.570 | 0.590 | 0.570 | 0.590 | 0.810 | 0.810 |
| MNQ | 3.13 | 3.41 | 3.75 | 4.37 | 4.89 | 5.82 | 4.13 | 3.37 | 2.66 | 2.23 | 2.17 | 2.33 | 3.16 | 3.39 |
| MQ | 5.35 | 6.40 | 7.09 | 7.54 | 8.86 | 9.37 | 6.31 | 5.49 | 4.18 | 3.32 | 3.11 | 3.90 | 5.40 | 6.48 |
| MHQ | 12.7 | 15.5 | 17.8 | 17.1 | 21.0 | 18.9 | 13.1 | 15.3 | 10.5 | 8.42 | 6.33 | 8.81 | 13.1 | 16.2 |
| HQ | 84.1 | 77.0 | 84.6 | 84.6 | 82.0 | 105 | 72.2 | 82.7 | 76.4 | 96.6 | 21.8 | 44.5 | 84.1 | 77.0 |
| Jahr | 1940 | 1939 | 1926 | 1946 | 1942 | 1994 | 1969 | 1953 | 1956 | 1981 | 1998 | 1939 | 1940 | 1939 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 16 | 19 | 21 | 20 | 27 | 27 | 19 | 16 | 13 | 10 | 9 | 12 | 16 | 19 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 1.59 | am 05.11.2001 | 1.59 | 1.89 |
| MQ m³/s | 7.03 | | 9.21 | 4.88 |
| HQ m³/s | 55.0 | am 30.01.2002 | 55.0 | 24.5 |
| Nq l/(skm²) | 1.78 | | 1.78 | 2.11 |
| Mq l/(skm²) | 7.86 | | 10.3 | 5.46 |
| Hq l/(skm²) | 61.5 | | 61.5 | 27.4 |
| $h_N$ mm | | | | |
| $h_A$ mm | 248 | | 161 | 87 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 1.89 | am 21.09.2002 |
| 8.54 | |
| 72.8 | am 01.12.2002 |
| 2.11 | |
| 9.55 | |
| 81.4 | |
| | |
| 301 | |

| | 1923/2002 (*) 80 Jahre | | | | 1923/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.570 | am 29.07.1934 | 0.810 | 0.570 | 0.570 | am 29.07.1934 |
| MNQ m³/s | 1.63 | | 2.42 | 1.77 | 1.69 | |
| MQ m³/s | 5.90 | | 7.44 | 4.39 | 5.91 | |
| MHQ m³/s | 40.1 | | 35.8 | 24.0 | 40.8 | |
| HQ m³/s | 105 | am 14.04.1994 | 105 | 96.6 | 105 | am 14.04.1994 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.82 | | 2.71 | 1.98 | 1.89 | |
| Mq l/(skm²) | 6.60 | | 8.32 | 4.91 | 6.61 | |
| MHq l/(skm²) | 44.8 | | 40.0 | 26.8 | 45.6 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 208 | | 130 | 78 | 208 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.570 | 0.637 | 29.07.1934 | 105 | 117 | | 14.04.1994 |
| 2 | 0.570 | 0.637 | 15.09.1929+ | 96.6 | 108 | | 12.08.1981 |
| 3 | 0.590 | 0.660 | 20.08.1949+ | 84.6 | 94.6 | | 10.02.1946 |
| 4 | 0.690 | 0.772 | 04.10.1947 | 84.6 | 94.6 | | 01.01.1926 |
| 5 | 0.720 | 0.805 | 10.07.1930+ | 84.1 | 94.0 | | 06.11.1940 |
| 6 | 0.810 | 0.906 | 02.09.1952 | 82.7 | 92.5 | | 27.06.1953 |
| 7 | 0.850 | 0.950 | 18.09.1991+ | 82.0 | 91.7 | | 19.03.1942 |
| 8 | 0.860 | 0.962 | 15.09.1964 | 81.6 | 91.2 | | 11.06.1961 |
| 9 | 0.860 | 0.962 | 05.08.1943 | 81.5 | 91.1 | | 25.02.1940 |
| 10 | 0.950 | 1.06 | 22.01.1964+ | 79.2 | 88.6 | | 03.03.1956 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1923/2002 80 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 49.2 | 57.8 | 101 | 39.0 | 8.19 |
| 363 | 42.7 | 49.2 | 81.7 | 31.2 | 8.19 |
| 362 | 40.4 | 42.7 | 74.2 | 27.1 | 7.54 |
| 361 | 37.9 | 40.8 | 67.4 | 24.7 | 6.90 |
| 360 | 32.9 | 40.4 | 63.8 | 23.1 | 6.70 |
| 359 | 31.7 | 37.9 | 62.3 | 21.9 | 6.49 |
| 358 | 30.2 | 32.9 | 58.7 | 21.1 | 6.49 |
| 357 | 25.9 | 31.7 | 49.2 | 20.1 | 6.49 |
| 356 | 25.5 | 30.2 | 43.0 | 19.4 | 6.30 |
| 350 | 19.3 | 23.5 | 29.8 | 16.5 | 5.70 |
| 340 | 17.0 | 19.3 | 24.2 | 13.5 | 5.17 |
| 330 | 15.4 | 17.0 | 21.1 | 11.8 | 4.76 |
| 320 | 14.1 | 15.7 | 19.7 | 10.5 | 4.60 |
| 300 | 11.3 | 14.4 | 17.8 | 8.76 | 3.82 |
| 270 | 8.76 | 11.3 | 15.8 | 7.10 | 3.16 |
| 240 | 7.00 | 9.60 | 13.7 | 5.90 | 2.70 |
| 210 | 5.40 | 8.20 | 12.6 | 4.99 | 2.35 |
| 183 | 4.80 | 6.44 | 11.5 | 4.38 | 2.11 |
| 150 | 4.07 | 5.00 | 9.32 | 3.78 | 1.58 |
| 130 | 3.72 | 4.25 | 7.97 | 3.36 | 1.32 |
| 120 | 3.55 | 3.95 | 7.54 | 3.21 | 1.20 |
| 110 | 3.37 | 3.65 | 6.90 | 3.03 | 1.18 |
| 100 | 3.20 | 3.49 | 6.49 | 2.87 | 1.09 |
| 90 | 3.02 | 3.33 | 6.30 | 2.71 | 1.09 |
| 80 | 3.02 | 3.17 | 6.10 | 2.56 | 0.990 |
| 70 | 2.85 | 3.01 | 5.91 | 2.42 | 0.950 |
| 60 | 2.85 | 2.85 | 5.73 | 2.26 | 0.950 |
| 50 | 2.73 | 2.85 | 5.54 | 2.08 | 0.880 |
| 40 | 2.61 | 2.61 | 4.99 | 1.92 | 0.880 |
| 30 | 2.37 | 2.61 | 4.82 | 1.75 | 0.810 |
| 25 | 2.37 | 2.37 | 4.66 | 1.65 | 0.810 |
| 20 | 2.25 | 2.37 | 4.66 | 1.51 | 0.810 |
| 15 | 2.25 | 2.25 | 4.56 | 1.38 | 0.730 |
| 10 | 2.13 | 2.25 | 4.35 | 1.26 | 0.730 |
| 9 | 2.13 | 2.25 | 4.28 | 1.21 | 0.730 |
| 8 | 2.13 | 2.25 | 4.28 | 1.20 | 0.730 |
| 7 | 1.89 | 2.25 | 4.28 | 1.15 | 0.690 |
| 6 | 1.89 | 2.25 | 4.28 | 1.12 | 0.690 |
| 5 | 1.89 | 2.13 | 4.18 | 1.08 | 0.660 |
| 4 | 1.77 | 2.13 | 4.18 | 1.01 | 0.660 |
| 3 | 1.77 | 2.13 | 4.18 | 0.990 | 0.660 |
| 2 | 1.77 | 2.13 | 4.18 | 0.890 | 0.660 |
| 1 | 1.77 | 2.13 | 4.18 | 0.800 | 0.640 |
| 0 | 1.59 | 1.89 | 3.99 | 0.570 | 0.570 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 183 km²
PNP : NN + 210.27 m
Lage: 161.2 km oberhalb Mündung links

Q
m³/s

Pegel : Ammern Nr. 573000
Gewässer : Unstrut
Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.870 | 1.63 | 1.30 | 2.29 | 4.06 | 1.96 | 1.96 | 2.07 | 1.08 | 2.40 | 1.30 | 0.600 | 1.85 | 4.28 |
| 2. | 0.870 | 2.07 | 1.30 | 2.18 | 3.60 | 1.85 | 1.96 | 1.85 | 1.19 | 1.52 | 1.19 | 1.08 | 4.17 | 3.36 |
| 3. | 0.870 | 1.74 | 1.19 | 2.07 | 3.24 | 1.85 | 1.96 | 1.74 | 1.08 | 1.19 | 1.19 | 1.08 | 6.22 | 2.88 |
| 4. | 0.870 | 1.74 | 1.19 | 1.96 | 3.12 | 1.85 | 3.72 | 1.63 | 1.08 | 1.30 | 1.08 | 1.19 | 6.94 | 2.64 |
| 5. | 0.870 | 2.18 | 1.63 | 1.85 | 3.00 | 1.74 | 3.60 | 1.96 | 1.08 | 1.19 | 1.08 | 1.30 | 3.72 | 2.64 |
| 6. | 0.870 | 2.76 | 1.08 | 1.85 | 2.88 | 1.74 | 3.12 | 1.85 | 0.970 | 1.19 | 1.08 | 3.12 | 2.76 | 2.52 |
| 7. | 1.08 | 1.96 | 1.19 | 1.74 | 3.24 | 1.74 | 3.00 | 2.29 | 0.970 | 1.19 | 1.08 | 2.29 | 2.40 | 2.40 |
| 8. | 3.12 | 1.74 | 1.08 | 1.74 | 2.88 | 1.63 | 2.52 | 1.96 | 0.970 | 1.30 | 1.08 | 1.96 | 3.36 | 2.18 |
| 9. | 2.88 | 2.40 | 1.08 | 1.85 | 2.76 | 1.63 | 2.29 | 1.74 | 0.870 | 1.19 | 1.08 | 1.63 | 12.4 | 2.18 |
| 10. | 1.63 | 1.41 | 1.08 | 3.48 | 2.76 | 1.63 | 2.29 | 1.63 | 1.19 | 1.41 | 1.08 | 1.41 | 4.61 | 2.07 |
| 11. | 1.41 | 1.30 | 1.08 | 2.88 | 2.64 | 1.63 | 3.00 | 1.63 | 1.19 | 1.41 | 1.30 | 1.41 | 8.28 | 1.96 |
| 12. | 1.30 | 1.30 | 1.08 | 3.94 | 2.52 | 1.74 | 2.40 | 1.74 | 0.870 | 1.63 | 1.30 | 1.30 | 5.38 | 1.96 |
| 13. | 1.30 | 1.08 | 1.08 | 4.39 | 2.52 | 1.74 | 2.29 | 1.74 | 0.870 | 1.41 | 1.19 | 1.30 | 3.72 | 1.96 |
| 14. | 1.19 | 1.19 | 1.08 | 3.24 | 2.64 | 1.85 | 2.29 | 1.52 | 0.970 | 1.30 | 1.08 | 1.30 | 3.12 | 1.96 |
| 15. | 1.08 | 1.41 | 0.970 | 2.64 | 2.88 | 1.74 | 2.18 | 1.74 | 0.970 | 1.30 | 1.08 | 1.19 | 2.88 | 1.96 |
| 16. | 1.08 | 1.41 | 0.970 | 2.40 | 2.88 | 1.74 | 2.76 | 1.52 | 1.08 | 1.19 | 1.08 | 1.63 | 2.64 | 1.96 |
| 17. | 1.08 | 1.08 | 0.970 | 2.29 | 2.88 | 1.74 | 2.18 | 1.41 | 2.88 | 1.19 | 1.08 | 1.41 | 2.64 | 2.52 |
| 18. | 1.08 | 0.970 | 0.970 | 2.18 | 2.64 | 1.74 | 2.18 | 1.41 | 2.88 | 1.19 | 0.970 | 1.41 | 2.40 | 1.96 |
| 19. | 1.08 | 1.19 | 0.870 | 2.29 | 4.17 | 1.74 | 2.18 | 1.30 | 1.74 | 1.19 | 1.08 | 1.52 | 2.29 | 1.85 |
| 20. | 1.08 | 1.19 | 1.52 | 7.44 | 3.60 | 1.74 | 2.18 | 1.52 | 1.63 | 1.19 | 0.970 | 1.52 | 2.18 | 1.85 |
| 21. | 1.08 | 1.08 | 17.6 | 5.05 | 4.28 | 1.63 | 2.18 | 1.41 | 1.63 | 1.41 | 0.970 | 1.41 | 2.18 | 1.85 |
| 22. | 1.63 | 1.08 | 12.6 | 3.48 | 4.61 | 1.74 | 2.18 | 1.30 | 1.41 | 1.19 | 0.970 | 2.40 | 2.18 | 4.61 |
| 23. | 1.74 | 0.970 | 7.06 | 5.50 | 3.36 | 1.74 | 2.18 | 1.19 | 1.41 | 1.41 | 1.08 | 3.12 | 2.18 | 12.6 |
| 24. | 1.41 | 0.970 | 4.72 | 4.39 | 2.76 | 1.74 | 2.18 | 1.19 | 1.52 | 1.19 | 0.970 | 2.29 | 2.07 | 3.12 |
| 25. | 1.41 | 1.19 | 3.72 | 4.28 | 2.52 | 1.74 | 2.18 | 1.08 | 1.41 | 1.08 | 0.970 | 1.85 | 2.07 | 3.24 |
| 26. | 1.63 | 1.19 | 3.12 | 21.6 | 2.40 | 1.74 | 2.18 | 1.08 | 1.41 | 1.08 | 1.08 | 1.96 | 1.96 | 3.83 |
| 27. | 1.41 | 1.08 | 6.46 | 10.2 | 2.18 | 2.07 | 2.07 | 1.08 | 1.41 | 0.970 | 1.08 | 3.24 | 1.96 | 6.34 |
| 28. | 1.52 | 1.74 | 5.38 | 5.16 | 2.18 | 1.96 | 2.29 | 1.08 | 1.30 | 2.88 | 0.970 | 4.28 | 1.96 | 4.06 |
| 29. | 1.52 | 2.40 | 4.06 | | 2.07 | 1.96 | 1.96 | 1.08 | 1.30 | 2.88 | 0.970 | 2.64 | 2.52 | 4.28 |
| 30. | 1.96 | 1.74 | 3.00 | | 2.07 | 2.18 | 1.85 | 1.08 | 1.30 | 1.63 | 0.970 | 2.18 | 6.82 | 20.7 |
| 31. | | 1.41 | 2.64 | | 1.96 | | 1.74 | | 1.41 | 1.30 | | 1.96 | | 11.0 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1.+ | 18.+ | 19. | 7.+ | 31. | 8.+ | 31. | 25.+ | 9.+ | 27. | 18.+ | 1. | 1. | 19.+ |
| NQ | 0.870 | 0.970 | 0.870 | 1.74 | 1.96 | 1.63 | 1.74 | 1.08 | 0.870 | 0.970 | 0.970 | 0.600 | 1.85 | 1.85 |
| MQ | 1.36 | 1.50 | 3.00 | 4.08 | 2.95 | 1.78 | 2.36 | 1.53 | 1.32 | 1.42 | 1.08 | 1.84 | 3.66 | 3.96 |
| HQ | 5.05 | 3.60 | 39.4 | 31.6 | 6.22 | 2.40 | 4.72 | 4.06 | 6.82 | 14.4 | 2.40 | 5.38 | 26.2 | 42.8 |
| Tag | 8. | 6. | 22. | 26. | 19. | 27.+ | 4. | 1. | 17. | 28. | 11. | 27. | 9. | 30. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 19 | 22 | 44 | 54 | 43 | 25 | 35 | 22 | 19 | 21 | 15 | 27 | 52 | 58 |

| | 1940/2001 | | 1941/2002 | | | | | | 55 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1959 | 1986 | 1960 | 1972 | 1960 | 1960 | 1960 | 1960 | 1960 | 1960 | 1959 | 1959 | 1959 | 1986 |
| NQ | 0.170 | 0.060 | 0.130 | 0.150 | 0.150 | 0.230 | 0.320 | 0.290 | 0.210 | 0.210 | 0.170 | 0.210 | 0.170 | 0.060 |
| MNQ | 0.672 | 0.781 | 1.00 | 1.16 | 1.30 | 1.44 | 1.21 | 0.976 | 0.834 | 0.707 | 0.643 | 0.637 | 0.686 | 0.793 |
| MQ | 1.16 | 1.66 | 1.90 | 2.10 | 2.32 | 1.96 | 1.58 | 1.35 | 1.13 | 0.927 | 0.842 | 0.946 | 1.16 | 1.72 |
| MHQ | 7.21 | 9.16 | 12.5 | 10.8 | 11.6 | 6.84 | 4.93 | 6.48 | 4.04 | 2.64 | 2.04 | 3.03 | 5.97 | 10.0 |
| HQ | 104 | 53.2 | 52.0 | 42.4 | 67.5 | 54.4 | 39.0 | 115 | 70.2 | 14.4 | 10.8 | 18.0 | 63.2 | 53.2 |
| Jahr | 1940 | 1988 | 1995 | 2000 | 1956 | 1983 | 1997 | 1981 | 1956 | 2002 | 1987 | 1998 | 1998 | 1988 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 16 | 24 | 28 | 28 | 34 | 28 | 23 | 19 | 17 | 14 | 12 | 14 | 16 | 25 |

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.600 | am 01.10.2002 | 0.870 | 0.600 | 0.600 | am 01.10.2002 |
| MQ m³/s | 2.01 | | 2.43 | 1.59 | 2.41 | |
| HQ m³/s | 39.4 | am 22.01.2002 | 39.4 | 14.4 | 42.8 | am 30.12.2002 |
| Nq l/(skm²) | 3.28 | | 4.75 | 3.28 | 3.28 | |
| Mq l/(skm²) | 11.0 | | 13.3 | 8.69 | 13.2 | |
| Hq l/(skm²) | 215 | | 215 | 78.7 | 234 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 346 | | 208 | 138 | 415 | |
| | 1941/2002 (*) 57 Jahre | | | | 1941/2002 | |
| NQ m³/s | 0.060 | am 11.12.1986 | 0.060 | 0.170 | 0.060 | am 11.12.1986 |
| MNQ m³/s | 0.434 | | 0.589 | 0.559 | 0.455 | |
| MQ m³/s | 1.50 | | 1.88 | 1.13 | 1.49 | |
| MHQ m³/s | 31.0 | | 27.8 | 11.4 | 29.1 | |
| HQ m³/s | 115 | am 04.06.1981 | 104 | 115 | 115 | am 04.06.1981 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 2.37 | | 3.22 | 3.05 | 2.49 | |
| Mq l/(skm²) | 8.20 | | 10.3 | 6.17 | 8.14 | |
| MHq l/(skm²) | 169 | | 152 | 62.3 | 159 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 258 | | 161 | 98 | 257 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.060 | 0.328 | 11.12.1986+ | 115 | 628 | | 04.06.1981 |
| 2 | 0.130 | 0.710 | 22.12.1959+ | 104 | 568 | | 04.11.1940 |
| 3 | 0.140 | 0.765 | 23.12.1976 | 70.2 | 384 | | 15.07.1956 |
| 4 | 0.150 | 0.820 | 06.02.1972 | 67.5 | 369 | | 04.03.1956 |
| 5 | 0.150 | 0.820 | 24.03.1960 | 65.0 | 355 | | 08.02.1946 |
| 6 | 0.160 | 0.874 | 12.12.1991 | 63.2 | 345 | | 01.11.1998 |
| 7 | 0.210 | 1.15 | 22.07.1960+ | 54.4 | 297 | | 20.04.1983 |
| 8 | 0.240 | 1.31 | 17.11.1989+ | 53.2 | 291 | | 19.12.1988 |
| 9 | 0.240 | 1.31 | 22.10.1989+ | 52.0 | 284 | | 23.01.1995 |
| 10 | 0.250 | 1.37 | 04.03.1963 | 43.6 | 238 | | 05.12.1965 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1941/2002 55 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 21.6 | 21.6 | 32.2 | 14.4 | 4.01 |
| 363 | 17.6 | 20.7 | 28.2 | 11.2 | 2.66 |
| 362 | 12.6 | 17.6 | 28.2 | 9.05 | 2.30 |
| 361 | 10.2 | 17.6 | 18.0 | 7.53 | 2.18 |
| 360 | 7.44 | 17.6 | 17.6 | 6.60 | 2.00 |
| 359 | 7.06 | 12.4 | 14.6 | 5.90 | 1.81 |
| 358 | 6.46 | 11.0 | 14.2 | 5.40 | 1.36 |
| 357 | 5.50 | 10.2 | 13.4 | 5.05 | 1.36 |
| 356 | 5.38 | 8.28 | 12.6 | 4.71 | 1.36 |
| 350 | 4.61 | 6.34 | 8.42 | 3.75 | 1.05 |
| 340 | 3.72 | 4.72 | 5.40 | 3.01 | 1.05 |
| 330 | 3.24 | 4.17 | 4.28 | 2.65 | 0.890 |
| 320 | 3.00 | 3.72 | 3.72 | 2.39 | 0.790 |
| 300 | 2.76 | 3.12 | 3.29 | 2.06 | 0.670 |
| 270 | 2.29 | 2.64 | 2.76 | 1.70 | 0.630 |
| 240 | 2.07 | 2.29 | 2.52 | 1.42 | 0.620 |
| 210 | 1.85 | 2.07 | 2.30 | 1.28 | 0.610 |
| 183 | 1.74 | 1.96 | 2.17 | 1.11 | 0.610 |
| 150 | 1.52 | 1.85 | 2.11 | 0.980 | 0.550 |
| 130 | 1.41 | 1.63 | 2.05 | 0.890 | 0.430 |
| 120 | 1.41 | 1.52 | 1.98 | 0.880 | 0.430 |
| 110 | 1.30 | 1.52 | 1.86 | 0.810 | 0.390 |
| 100 | 1.30 | 1.41 | 1.86 | 0.780 | 0.390 |
| 90 | 1.30 | 1.41 | 1.80 | 0.720 | 0.390 |
| 80 | 1.19 | 1.30 | 1.74 | 0.690 | 0.370 |
| 70 | 1.19 | 1.30 | 1.68 | 0.640 | 0.330 |
| 60 | 1.19 | 1.19 | 1.62 | 0.610 | 0.330 |
| 50 | 1.19 | 1.19 | 1.62 | 0.610 | 0.330 |
| 40 | 1.19 | 1.19 | 1.50 | 0.560 | 0.320 |
| 30 | 1.08 | 1.19 | 1.44 | 0.510 | 0.280 |
| 25 | 1.08 | 1.19 | 1.41 | 0.470 | 0.280 |
| 20 | 1.08 | 1.08 | 1.41 | 0.450 | 0.280 |
| 15 | 1.08 | 1.08 | 1.41 | 0.410 | 0.280 |
| 10 | 0.970 | 1.08 | 1.30 | 0.360 | 0.240 |
| 9 | 0.970 | 1.08 | 1.30 | 0.340 | 0.240 |
| 8 | 0.970 | 1.08 | 1.30 | 0.340 | 0.130 |
| 7 | 0.970 | 1.08 | 1.30 | 0.330 | 0.130 |
| 6 | 0.970 | 1.08 | 1.30 | 0.330 | 0.130 |
| 5 | 0.970 | 1.08 | 1.30 | 0.300 | 0.100 |
| 4 | 0.970 | 0.970 | 1.30 | 0.290 | 0.100 |
| 3 | 0.970 | 0.970 | 1.30 | 0.290 | 0.100 |
| 2 | 0.970 | 0.970 | 1.30 | 0.250 | 0.100 |
| 1 | 0.970 | 0.970 | 1.30 | 0.210 | 0.100 |
| 0 | 0.600 | 0.600 | 1.19 | 0.060 | 0.060 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1950; AJ 1945; AJ 1947-1950
Beeinflussung durch Rückhaltebecken Luhne in Hochwassersituationen

$A_{Eo}$ : 716 km²

PNP : NN + 167.16 m

Lage: 133.2 km oberhalb Mündung rechts

Q m³/s

Pegel : Naegelstedt Nr. 573010

Gewässer : Unstrut

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 2.61 | 3.70 | 3.70 | 5.82 | 12.8 | 6.48 | 6.04 | 4.31 | K 3.70 | 5.16 | 3.50 | 2.95 | 3.90 | 15.8 |
| 2. | 2.30 | 4.10 | 3.70 | 5.38 | 11.5 | 6.26 | 5.82 | 4.31 | K 3.90 | 4.73 | 3.31 | 2.78 | 6.04 | 11.2 |
| 3. | 2.16 | 4.10 | 3.50 | 5.16 | 10.3 | 6.04 | 5.82 | 4.31 | K 3.90 | 3.13 | 3.13 | 2.45 | 11.9 | 9.32 |
| 4. | 2.61 | 3.70 | 2.95 | 3.90 | 8.81 | 6.04 | 7.61 | 4.10 | K 3.90 | 3.13 | 3.50 | 2.95 | 18.0 | 8.08 |
| 5. | 2.16 | 4.31 | 2.95 | 4.52 | 9.06 | 5.82 | 9.32 | 4.52 | K 3.70 | 3.13 | 3.13 | 2.95 | 9.58 | 8.08 |
| 6. | 2.45 | 5.82 | 3.13 | 4.73 | 7.61 | 5.82 | 7.84 | 4.10 | K 3.70 | 3.13 | 3.13 | 5.16 | 6.70 | 7.84 |
| 7. | 2.30 | 5.16 | 3.31 | 4.52 | 7.84 | 5.60 | 8.81 | 5.38 | K 3.50 | 2.95 | 3.13 | 4.94 | 6.48 | 7.15 |
| 8. | 4.52 | 3.90 | 3.31 | 4.31 | 8.56 | 5.60 | 6.92 | 5.82 | K 3.70 | 3.50 | 3.13 | 3.90 | 6.92 | 6.70 |
| 9. | 6.26 | 3.90 | 4.10 | 4.31 | 8.08 | 5.38 | 6.48 | 4.52 | K 3.70 | 3.31 | 2.95 | 3.31 | 20.3 | 6.48 |
| 10. | 3.50 | 3.90 | 2.30 | 7.15 | 7.84 | 5.38 | 6.26 | 4.52 | K 4.10 | 3.13 | 3.13 | 3.13 | 13.3 | 6.26 |
| 11. | 2.95 | 3.31 | 2.61 | 6.26 | 7.61 | 5.38 | 6.48 | 4.31 | K 4.10 | 3.70 | 6.26 | 3.13 | 16.6 | 6.04 |
| 12. | 2.78 | 3.31 | 2.78 | 7.15 | 7.38 | 5.38 | 6.26 | 4.31 | K 3.50 | 4.31 | 3.50 | 2.95 | 15.0 | 5.82 |
| 13. | 2.95 | 3.31 | 2.95 | 8.81 | 5.38 | 5.38 | 6.04 | 4.73 | K 3.13 | 3.70 | 3.31 | 2.95 | 10.3 | 5.60 |
| 14. | 2.78 | 2.78 | 2.61 | 7.61 | 7.15 | 6.04 | 5.60 | 4.52 | K 4.10 | 3.13 | 3.13 | 2.95 | 8.81 | 5.60 |
| 15. | 2.61 | 3.13 | 2.78 | 5.82 | 8.32 | 5.60 | 4.94 | 4.31 | K 3.31 | 3.31 | 3.13 | 2.95 | 7.84 | 5.38 |
| 16. | 2.61 | 3.13 | 2.78 | 5.38 | 8.56 | 5.60 | 4.94 | 4.31 | K 3.50 | 2.95 | 3.13 | 3.70 | 7.38 | 5.60 |
| 17. | 2.45 | 2.95 | 2.78 | 5.16 | 9.06 | 5.38 | 4.31 | 4.31 | K 6.26 | 2.95 | 3.13 | 3.31 | 6.92 | 6.70 |
| 18. | 2.45 | 2.95 | 2.78 | 5.16 | 8.32 | 5.60 | 4.94 | 3.70 | K 8.08 | 3.31 | 3.31 | 3.31 | 5.82 | 4.94 |
| 19. | 2.45 | 2.95 | 2.78 | 5.16 | 9.58 | 5.16 | 4.94 | 3.90 | K 4.52 | 2.78 | 2.95 | 3.31 | 6.48 | 5.38 |
| 20. | 2.45 | 3.31 | 3.13 | 14.3 | 9.06 | 5.16 | 4.73 | 3.90 | K 3.90 | 2.78 | 2.95 | 3.13 | 6.04 | 5.38 |
| 21. | 2.45 | 3.13 | 20.8 | 16.6 | 11.2 | 4.94 | 4.73 | 4.10 | K 3.70 | 4.31 | 2.95 | 3.13 | 6.04 | 5.60 |
| 22. | 2.61 | 2.95 | 23.0 | 9.32 | 11.7 | 4.94 | 4.52 | 4.31 | K 2.95 | 2.95 | 2.95 | 4.73 | 5.82 | 6.48 |
| 23. | 3.70 | 2.95 | 15.6 | 12.6 | 10.9 | 4.94 | 4.31 | 3.90 | K 3.13 | 3.31 | 3.13 | 6.26 | 6.04 | 35.7 |
| 24. | 2.95 | 2.78 | 10.6 | 12.1 | 9.06 | 5.38 | 4.52 | 3.90 | K 3.70 | 2.95 | 3.31 | 5.38 | 5.60 | 12.1 |
| 25. | 2.95 | 3.13 | 9.06 | 11.2 | 8.56 | 4.94 | 4.31 | 3.70 | K 3.90 | 2.78 | 3.50 | 4.10 | 5.60 | 11.5 |
| 26. | 2.95 | 3.31 | 7.38 | 33.7 | 8.56 | 5.16 | 4.10 | 3.90 | K 3.31 | 2.95 | 5.38 | 4.52 | 5.38 | 11.9 |
| 27. | 3.13 | 3.13 | 12.1 | 28.8 | 7.15 | 5.38 | 4.10 | 3.90 | K 3.13 | 2.95 | 3.70 | 5.38 | 5.16 | 16.3 |
| 28. | 3.31 | 3.70 | 12.8 | 17.0 | 6.92 | 5.60 | 5.38 | 3.90 | K 3.13 | 3.31 | 3.13 | 9.06 | 5.16 | 13.8 |
| 29. | 3.70 | 6.48 | 11.7 | | 6.92 | 5.60 | 4.94 | 3.90 | K 3.13 | 8.56 | 2.95 | 6.26 | 6.04 | 13.8 |
| 30. | 4.10 | 5.16 | 7.84 | | 6.70 | 6.04 | 4.52 | 3.90 | K 3.13 | 4.52 | 2.95 | 4.94 | 16.8 | 34.5 |
| 31. | | 4.10 | 5.82 | | 6.48 | | 4.31 | | K 2.95 | 3.90 | | 4.31 | | 47.4 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 3.+ | 14.+ | 10. | 4. | 13. | 21.+ | 26.+ | 18.+ | 22.+ | 19.+ | 9.+ | 3. | 1. | 18. |
| NQ | 2.16 | 2.78 | 2.30 | 3.90 | 5.38 | 4.94 | 4.10 | 3.70 | 2.95 | 2.78 | 2.95 | 2.45 | 3.90 | 4.94 |
| MQ | 2.97 | 3.69 | 6.38 | 9.35 | 8.61 | 5.53 | 5.61 | 4.25 | 3.82 | 3.57 | 3.36 | 4.01 | 8.73 | 11.4 |
| HQ | 8.32 | 7.38 | 34.9 | 52.5 | 14.6 | 6.92 | 10.9 | 7.61 | 11.2 | 14.6 | 10.1 | 9.58 | 34.1 | 67.2 |
| Tag | 9. | 6. | 21. | 26. | 1. | 18. | 5. | 7.+ | 18. | 29. | 11. | 28. | 9. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 11 | 14 | 24 | 32 | 32 | 20 | 21 | 15 | 14 | 13 | 12 | 15 | 32 | 43 |

| | 1936/2001 | | 1937/2002 | | | | | | 66 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1959 | 1947 | 1977 | 1960 | 1954 | 1960 | 1960 | 1977 | 1992 | 1976 | 1960 | 1960 | 1959 | 1947 |
| NQ | 0.600 | 0.640 | 0.700 | 0.800 | 0.870 | 1.00 | 0.800 | 0.560 | 0.540 | 0.560 | 0.700 | 0.600 | 0.600 | 0.640 |
| MNQ | 1.98 | 2.35 | 2.75 | 3.26 | 3.67 | 3.87 | 3.21 | 2.78 | 2.50 | 2.18 | 2.00 | 1.92 | 2.02 | 2.40 |
| MQ | 3.02 | 4.17 | 4.83 | 5.98 | 6.62 | 5.34 | 4.29 | 3.84 | 3.31 | 2.86 | 2.43 | 2.53 | 3.12 | 4.29 |
| MHQ | 12.4 | 17.4 | 21.7 | 24.0 | 26.1 | 14.2 | 12.9 | 11.6 | 9.32 | 7.06 | 4.64 | 6.11 | 12.9 | 18.3 |
| HQ | 147 | 80.9 | 85.2 | 124 | 147 | 65.0 | 50.4 | 80.8 | 87.2 | 37.6 | 19.5 | 30.1 | 147 | 80.9 |
| Jahr | 1940 | 1947 | 1948 | 1946 | 1956 | 1994 | 1950 | 1981 | 1956 | 1972 | 1987 | 1974 | 1940 | 1947 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 11 | 16 | 18 | 20 | 25 | 19 | 16 | 14 | 12 | 11 | 9 | 9 | 11 | 16 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 2.16 | am 03.11.2001 | 2.16 | 2.45 |
| MQ m³/s | 5.07 | | 6.06 | 4.11 |
| HQ m³/s | 52.5 | am 26.02.2002 | 52.5 | 14.6 |
| Nq l/(skm²) | 3.02 | | 3.02 | 3.42 |
| Mq l/(skm²) | 7.08 | | 8.46 | 5.74 |
| Hq l/(skm²) | 73.3 | | 73.3 | 20.4 |
| $h_N$ mm | | | | |
| $h_A$ mm | 223 | | 132 | 91 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 2.30 | am 10.01.2002 |
| 6.20 | |
| 67.2 | am 31.12.2002 |
| 3.21 | |
| 8.66 | |
| 93.9 | |
| | |
| 273 | |

| | 1937/2002 (*) 66 Jahre | | | | 1937/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.540 | am 30.07.1992 | 0.600 | 0.540 | 0.540 | am 30.07.1992 |
| MNQ m³/s | 1.43 | | 1.83 | 1.76 | 1.55 | |
| MQ m³/s | 4.09 | | 4.99 | 3.21 | 4.11 | |
| MHQ m³/s | 49.3 | | 46.2 | 20.7 | 51.0 | |
| HQ m³/s | 147 | am 05.11.1940 | 147 | 87.2 | 147 | am 05.11.1940 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 2.00 | | 2.56 | 2.46 | 2.16 | |
| Mq l/(skm²) | 5.71 | | 6.97 | 4.48 | 5.74 | |
| MHq l/(skm²) | 68.9 | | 64.5 | 28.9 | 71.2 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 180 | | 109 | 71 | 181 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.540 | 0.754 | 30.07.1992 | 147 | 205 | | 05.03.1956 |
| 2 | 0.560 | 0.782 | 17.06.1977 | 147 | 205 | | 05.11.1940 |
| 3 | 0.560 | 0.782 | 25.08.1976 | 124 | 173 | | 09.02.1946 |
| 4 | 0.600 | 0.838 | 11.10.1960 | 124 | 173 | | 20.03.1942 |
| 5 | 0.600 | 0.838 | 01.11.1959+ | 122 | 170 | | 15.03.1947 |
| 6 | 0.640 | 0.894 | 07.10.1949+ | 116 | 162 | | 09.02.1941 |
| 7 | 0.640 | 0.894 | 08.12.1947+ | 87.2 | 122 | | 20.07.1956 |
| 8 | 0.650 | 0.908 | 22.06.1954 | 85.2 | 119 | | 14.01.1948 |
| 9 | 0.670 | 0.936 | 01.07.1992 | 80.9 | 113 | | 28.12.1947 |
| 10 | 0.670 | 0.936 | 15.12.1991+ | 80.8 | 113 | | 04.06.1981 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1937/2002 66 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 33.7 | 47.4 | 117 | 33.5 | 8.22 |
| 363 | 28.8 | 35.7 | 76.6 | 26.3 | 7.86 |
| 362 | 23.0 | 34.5 | 69.4 | 21.8 | 6.92 |
| 361 | 20.8 | 33.7 | 69.4 | 19.5 | 6.70 |
| 360 | 17.0 | 28.8 | 69.4 | 17.6 | 6.04 |
| 359 | 16.6 | 23.0 | 53.8 | 16.4 | 5.84 |
| 358 | 15.6 | 20.8 | 32.6 | 15.0 | 5.68 |
| 357 | 14.3 | 20.3 | 31.2 | 14.2 | 4.40 |
| 356 | 14.3 | 18.0 | 29.3 | 13.4 | 4.40 |
| 350 | 12.1 | 15.8 | 21.9 | 10.7 | 2.83 |
| 340 | 9.32 | 12.6 | 17.7 | 8.60 | 2.22 |
| 330 | 8.81 | 11.5 | 16.1 | 7.40 | 2.12 |
| 320 | 8.08 | 9.58 | 13.6 | 6.60 | 1.96 |
| 300 | 6.70 | 8.32 | 11.5 | 5.56 | 1.80 |
| 270 | 5.82 | 6.70 | 9.00 | 4.54 | 1.63 |
| 240 | 5.16 | 6.04 | 7.70 | 3.91 | 1.62 |
| 210 | 4.52 | 5.60 | 6.98 | 3.47 | 1.44 |
| 183 | 4.31 | 5.16 | 6.52 | 3.14 | 1.35 |
| 150 | 3.90 | 4.52 | 5.78 | 2.79 | 1.17 |
| 130 | 3.70 | 4.31 | 5.64 | 2.55 | 1.06 |
| 120 | 3.50 | 4.10 | 5.42 | 2.48 | 1.06 |
| 110 | 3.50 | 3.90 | 5.42 | 2.34 | 1.06 |
| 100 | 3.31 | 3.90 | 5.42 | 2.22 | 1.06 |
| 90 | 3.31 | 3.70 | 5.42 | 2.13 | 1.06 |
| 80 | 3.31 | 3.50 | 5.21 | 2.02 | 1.06 |
| 70 | 3.31 | 3.50 | 5.00 | 1.90 | 1.06 |
| 60 | 3.13 | 3.31 | 5.00 | 1.77 | 0.960 |
| 50 | 3.13 | 3.31 | 5.00 | 1.65 | 0.960 |
| 40 | 3.13 | 3.31 | 4.80 | 1.54 | 0.960 |
| 30 | 2.95 | 3.13 | 4.60 | 1.41 | 0.930 |
| 25 | 2.95 | 3.13 | 4.60 | 1.35 | 0.930 |
| 20 | 2.95 | 3.13 | 4.60 | 1.27 | 0.870 |
| 15 | 2.78 | 3.13 | 4.60 | 1.18 | 0.870 |
| 10 | 2.61 | 2.95 | 4.40 | 1.10 | 0.800 |
| 9 | 2.61 | 2.95 | 4.40 | 1.07 | 0.800 |
| 8 | 2.61 | 2.95 | 4.40 | 1.05 | 0.800 |
| 7 | 2.61 | 2.95 | 4.40 | 1.02 | 0.800 |
| 6 | 2.61 | 2.95 | 4.40 | 1.00 | 0.800 |
| 5 | 2.61 | 2.95 | 4.40 | 0.990 | 0.760 |
| 4 | 2.45 | 2.95 | 4.40 | 0.920 | 0.760 |
| 3 | 2.45 | 2.78 | 4.40 | 0.900 | 0.700 |
| 2 | 2.45 | 2.78 | 4.20 | 0.880 | 0.700 |
| 1 | 2.30 | 2.45 | 4.20 | 0.800 | 0.630 |
| 0 | 2.16 | 2.30 | 4.00 | 0.540 | 0.540 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

Beeinflussung durch Talsperren in Nebenläufen

31 Tage Verkrautung

$A_{Eo}$ : 4174 km²

PNP : NN + 122.65 m

Lage: 76.6 km oberhalb Mündung rechts

Q m³/s

Pegel : Oldisleben Nr. 573110

Gewässer : Unstrut

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 9.40 | 20.7 | 15.2 | 53.8 | 74.0 | 30.6 | 23.4 | 19.2 | 13.2 | 12.6 | 14.8 | 11.6 | 25.5 | 80.7 |
| 2. | 9.60 | 20.7 | 15.0 | 41.6 | 65.0 | 29.4 | 22.2 | 18.9 | 13.0 | 13.6 | 13.8 | 11.6 | 25.2 | 75.4 |
| 3. | 9.40 | 22.2 | 14.2 | 33.0 | 62.5 | 27.3 | 20.4 | 18.9 | 13.2 | 13.0 | 12.4 | 11.6 | 34.5 | 77.3 |
| 4. | 9.40 | 20.1 | 12.0 | 30.3 | 63.0 | 26.4 | 26.1 | 18.6 | 13.0 | 12.8 | 12.0 | 11.6 | 44.7 | 68.7 |
| 5. | 9.20 | 19.8 | 12.2 | 26.7 | 67.0 | 25.5 | 38.4 | 18.3 | 12.6 | 13.0 | 12.0 | 11.6 | 51.0 | 53.4 |
| 6. | 9.40 | 21.9 | 14.5 | 25.8 | 65.0 | 24.9 | 36.9 | 18.9 | 12.4 | 12.6 | 12.0 | 12.8 | 44.4 | 49.6 |
| 7. | 9.60 | 25.5 | 14.5 | 24.3 | 48.6 | 24.3 | 39.6 | 27.0 | 11.8 | 12.6 | 12.0 | 22.5 | 39.0 | 46.1 |
| 8. | 11.2 | 22.2 | 14.8 | 22.8 | 39.3 | 23.4 | 36.6 | 41.6 | 11.8 | 14.2 | 11.8 | 18.6 | 38.1 | 42.6 |
| 9. | 19.5 | 20.1 | 13.2 | 22.2 | 36.3 | 22.5 | 31.8 | 35.1 | 11.8 | 16.2 | 11.8 | 15.0 | 42.6 | 39.6 |
| 10. | 22.2 | 19.2 | 13.0 | 27.9 | 34.8 | 21.9 | 27.3 | 24.6 | 12.0 | 15.5 | 11.8 | 14.2 | 59.5 | T 36.6 |
| 11. | 21.3 | 16.5 | 11.4 | 30.3 | 32.7 | 21.6 | 39.6 | 23.7 | 16.2 | 21.3 | 22.8 | 13.0 | 57.1 | T 35.4 |
| 12. | 18.3 | 15.5 | 12.0 | 29.7 | 31.2 | 21.6 | 44.7 | 22.2 | 14.8 | 27.3 | 18.0 | 11.4 | 62.6 | T 33.9 |
| 13. | 15.2 | 15.5 | 11.6 | 38.4 | 29.4 | 21.3 | 39.0 | 18.6 | 12.4 | 31.5 | 11.6 | 12.6 | 57.1 | 33.6 |
| 14. | 14.8 | 14.0 | 12.0 | 47.8 | 29.7 | 23.7 | 33.9 | 19.8 | 12.2 | 19.2 | 11.6 | 13.4 | 42.6 | 33.0 |
| 15. | 13.4 | 13.2 | 11.8 | 42.2 | 34.5 | 22.5 | 32.4 | 21.9 | 12.2 | 16.0 | 11.6 | 13.4 | 41.9 | 32.1 |
| 16. | 12.0 | 13.4 | R 11.4 | 36.6 | 35.4 | 16.5 | 30.3 | 23.1 | 12.0 | 15.0 | 12.0 | 13.8 | 44.7 | 31.5 |
| 17. | 11.8 | 13.0 | 11.8 | 33.6 | 36.6 | 15.0 | 25.2 | 21.0 | 16.2 | 14.5 | 11.6 | 14.0 | 44.0 | 33.3 |
| 18. | 11.2 | 12.6 | 11.8 | 31.2 | 35.4 | 15.0 | 24.6 | 16.0 | 39.9 | 14.2 | 12.8 | 16.0 | 40.5 | 32.4 |
| 19. | 11.2 | 12.2 | 11.6 | 29.1 | 36.3 | 15.0 | 25.5 | 15.0 | 32.1 | 13.8 | 12.8 | 16.0 | 36.3 | 29.4 |
| 20. | 11.2 | 12.6 | 12.0 | 33.3 | 40.8 | 15.0 | 27.3 | 16.2 | 18.0 | 13.6 | 12.6 | 16.5 | 34.2 | 29.4 |
| 21. | 11.2 | 12.8 | 25.5 | 51.8 | 46.4 | 14.5 | 26.7 | 17.1 | 15.0 | 13.4 | 12.6 | 16.0 | 32.7 | 29.1 |
| 22. | 10.6 | 12.6 | 63.5 | 48.2 | 51.8 | 13.8 | 24.0 | 17.4 | 14.2 | 13.4 | 12.4 | 17.1 | 31.5 | 29.1 |
| 23. | 13.4 | 12.2 | 57.5 | 44.0 | 57.0 | 12.8 | 23.4 | 16.5 | 13.2 | 13.2 | 12.2 | 21.3 | 31.8 | 65.8 |
| 24. | 14.2 | R 11.2 | 40.8 | 47.2 | 47.8 | 13.8 | 23.4 | 15.8 | 12.4 | 13.4 | 12.4 | 23.7 | 29.7 | 60.1 |
| 25. | 13.2 | R 12.2 | 39.6 | 41.2 | 43.6 | 19.2 | 24.0 | 14.5 | 12.8 | 13.6 | 11.6 | 26.1 | 28.5 | 61.5 |
| 26. | 14.0 | 13.4 | 37.5 | 57.5 | 40.8 | 16.5 | 24.0 | 14.0 | 12.6 | 13.0 | 11.8 | 22.8 | 27.0 | 62.2 |
| 27. | 16.2 | 12.8 | 40.2 | 80.5 | 38.7 | 17.7 | 21.9 | 14.2 | 13.0 | 13.0 | 12.8 | 23.1 | 25.8 | 70.2 |
| 28. | 17.1 | 12.4 | 60.5 | 84.5 | 36.0 | 20.4 | 22.8 | 14.0 | 12.8 | 13.0 | 13.8 | 29.1 | 24.9 | 70.2 |
| 29. | 18.6 | 19.5 | 63.0 | | 34.2 | 23.1 | 25.5 | 13.6 | 12.4 | 18.6 | 13.0 | 32.1 | 26.4 | 64.4 |
| 30. | 19.5 | 19.2 | 59.0 | | 32.7 | 22.2 | 22.5 | 13.4 | 12.2 | 21.0 | 11.6 | 31.2 | 55.7 | 90.3 |
| 31. | | 16.0 | 56.5 | | 31.5 | | 18.6 | | 12.0 | 15.5 | | 27.6 | | 141 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 5. | 24. | 11.+ | 9. | 13. | 23. | 31. | 30. | 7.+ | 1.+ | 13.+ | 12. | 28. | 21.+ |
| NQ | 9.20 | 11.2 | 11.4 | 22.2 | 29.4 | 12.8 | 18.6 | 13.4 | 11.8 | 12.6 | 11.6 | 11.4 | 24.9 | 29.1 |
| MQ | 13.6 | 16.3 | 25.8 | 39.8 | 43.8 | 20.6 | 28.5 | 19.6 | 14.6 | 15.6 | 12.9 | 17.8 | 39.3 | 52.8 |
| HQ | 25.2 | 26.7 | 67.0 | 93.0 | 79.0 | 31.2 | 57.0 | 44.0 | 47.2 | 38.7 | 24.6 | 33.3 | 82.1 | 155 |
| Tag | 9. | 7. | 22. | 27. | 1. | 1. | 11. | 8. | 18. | 12.+ | 11.+ | 29. | 30. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 8 | 10 | 17 | 23 | 28 | 13 | 18 | 12 | 9 | 10 | 8 | 11 | 24 | 34 |

| | 1922/2001 | | 1923/2002 | | | | | | 76 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1949 | 1976 | 1954 | 1949 | 1963 | 1934 | 1977 | 1934 | 1976 | 1976 | 1976 | 1949 | 1949 | 1976 |
| NQ | 3.32 | 3.45 | 4.44 | 5.04 | 5.82 | 5.52 | 4.40 | 3.94 | 3.15 | 2.85 | 2.50 | 3.44 | 3.32 | 3.45 |
| MNQ | 10.7 | 11.6 | 13.4 | 15.9 | 17.8 | 19.3 | 14.8 | 12.2 | 9.66 | 8.87 | 8.57 | 8.82 | 10.8 | 11.7 |
| MQ | 15.5 | 18.8 | 22.8 | 25.3 | 29.1 | 27.9 | 20.9 | 17.7 | 14.1 | 11.8 | 11.0 | 12.4 | 15.7 | 19.0 |
| MHQ | 28.3 | 38.1 | 48.0 | 48.7 | 54.4 | 44.2 | 35.1 | 32.2 | 27.1 | 20.4 | 18.1 | 21.5 | 28.8 | 39.7 |
| HQ | 124 | 135 | 157 | 117 | 220 | 157 | 113 | 146 | 138 | 120 | 61.5 | 65.4 | 124 | 155 |
| Jahr | 1998 | 1981 | 1987 | 1982 | 1947 | 1994 | 1961 | 1961 | 1956 | 1981 | 1998 | 1998 | 1998 | 2002 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 10 | 12 | 15 | 15 | 19 | 17 | 13 | 11 | 9 | 8 | 7 | 8 | 10 | 12 |

### Abflußjahr (*) 2002 / Kalenderjahr 2002

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 9.20 | am 05.11.2001 | 9.20 | 11.4 | 11.4 | am 11.01.2002 |
| MQ m³/s | 22.3 | | 26.5 | 18.2 | 27.5 | |
| HQ m³/s | 93.0 | am 27.02.2002 | 93.0 | 57.0 | 155 | am 31.12.2002 |
| Nq l/(skm²) | 2.20 | | 2.20 | 2.73 | 2.73 | |
| Mq l/(skm²) | 5.34 | | 6.35 | 4.36 | 6.59 | |
| Hq l/(skm²) | 22.3 | | 22.3 | 13.7 | 37.1 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 168 | | 99 | 69 | 208 | |

| | 1923/2002 (*) 77 Jahre | | | | 1923/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 2.50 | am 02.09.1976 | 3.32 | 2.50 | 2.50 | am 02.09.1976 |
| MNQ m³/s | 7.06 | | 9.53 | 7.66 | 7.34 | |
| MQ m³/s | 18.8 | | 23.1 | 14.6 | 18.9 | |
| MHQ m³/s | 77.7 | | 74.5 | 46.6 | 81.1 | |
| HQ m³/s | 220 | am 16.03.1947 | 220 | 146 | 220 | am 16.03.1947 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.69 | | 2.28 | 1.84 | 1.76 | |
| Mq l/(skm²) | 4.50 | | 5.53 | 3.50 | 4.53 | |
| MHq l/(skm²) | 18.6 | | 17.8 | 11.2 | 19.4 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 142 | | 87 | 56 | 143 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 2.50 | 0.599 | 02.09.1976+ | 220 | 52.7 | | 16.03.1947 |
| 2 | 3.32 | 0.795 | 03.11.1949 | 164 | 39.3 | | 28.03.1987 |
| 3 | 3.41 | 0.817 | 06.07.1934+ | 157 | 37.6 | | 14.04.1994+ |
| 4 | 3.80 | 0.910 | 07.09.1991 | 157 | 37.6 | | 02.01.1987 |
| 5 | 4.00 | 0.958 | 03.06.1977 | 155 | 37.1 | | 31.12.2002 |
| 6 | 4.08 | 0.977 | 25.08.1935+ | 146 | 35.0 | | 13.06.1961 |
| 7 | 4.20 | 1.01 | 10.12.1948 | 144 | 34.5 | | 04.01.1982 |
| 8 | 4.38 | 1.05 | 17.12.1933 | 138 | 33.1 | | 23.07.1956 |
| 9 | 4.44 | 1.06 | 08.01.1954 | 135 | 32.3 | | 05.12.1981 |
| 10 | 4.60 | 1.10 | 22.07.1977+ | 131 | 31.4 | | 13.03.1981 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1923/2002 76 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 84.5 | 141 | 196 | 94.0 | 19.4 |
| 363 | 80.5 | 90.3 | 148 | 83.8 | 16.7 |
| 362 | 74.0 | 84.5 | 145 | 77.8 | 12.7 |
| 361 | 67.0 | 80.7 | 138 | 73.8 | 12.5 |
| 360 | 67.0 | 80.5 | 134 | 71.0 | 12.4 |
| 359 | 67.0 | 77.3 | 126 | 68.4 | 12.4 |
| 358 | 63.5 | 75.4 | 121 | 66.0 | 12.4 |
| 357 | 63.5 | 74.0 | 119 | 63.4 | 12.0 |
| 356 | 63.5 | 74.0 | 117 | 61.6 | 12.0 |
| 350 | 57.0 | 65.8 | 99.4 | 52.3 | 11.2 |
| 340 | 46.4 | 60.1 | 84.7 | 42.9 | 10.1 |
| 330 | 41.2 | 53.8 | 80.7 | 37.6 | 9.34 |
| 320 | 38.7 | 47.2 | 76.5 | 33.2 | 8.78 |
| 300 | 33.0 | 41.2 | 69.6 | 27.6 | 8.00 |
| 270 | 26.4 | 34.8 | 53.5 | 22.4 | 6.56 |
| 240 | 23.1 | 30.6 | 42.1 | 18.7 | 5.40 |
| 210 | 20.1 | 26.1 | 38.6 | 16.1 | 5.16 |
| 183 | 17.4 | 23.1 | 33.6 | 14.2 | 4.92 |
| 150 | 15.0 | 18.9 | 28.4 | 12.5 | 4.71 |
| 130 | 14.2 | 16.2 | 25.6 | 11.6 | 4.44 |
| 120 | 13.8 | 15.2 | 24.3 | 11.1 | 4.44 |
| 110 | 13.6 | 14.8 | 22.8 | 10.6 | 4.32 |
| 100 | 13.2 | 14.2 | 22.0 | 10.2 | 4.27 |
| 90 | 13.0 | 13.8 | 21.1 | 9.68 | 4.27 |
| 80 | 12.8 | 13.4 | 20.8 | 9.20 | 4.27 |
| 70 | 12.8 | 13.2 | 19.9 | 8.62 | 4.16 |
| 60 | 12.4 | 13.0 | 19.3 | 8.22 | 4.16 |
| 50 | 12.2 | 12.8 | 18.8 | 7.72 | 4.16 |
| 40 | 12.0 | 12.4 | 18.5 | 7.20 | 4.05 |
| 30 | 12.0 | 12.2 | 17.8 | 6.72 | 4.00 |
| 25 | 11.8 | 12.0 | 17.5 | 6.40 | 3.80 |
| 20 | 11.8 | 12.0 | 17.2 | 6.14 | 3.60 |
| 15 | 11.6 | 11.8 | 16.5 | 5.82 | 3.60 |
| 10 | 11.4 | 11.8 | 16.0 | 5.41 | 3.45 |
| 9 | 11.4 | 11.8 | 16.0 | 5.30 | 3.30 |
| 8 | 11.4 | 11.8 | 16.0 | 5.18 | 3.30 |
| 7 | 10.6 | 11.8 | 15.5 | 5.08 | 3.15 |
| 6 | 10.6 | 11.8 | 15.5 | 4.92 | 3.15 |
| 5 | 10.6 | 11.8 | 15.5 | 4.82 | 3.15 |
| 4 | 9.60 | 11.8 | 15.5 | 4.60 | 2.85 |
| 3 | 9.60 | 11.8 | 15.0 | 4.40 | 2.70 |
| 2 | 9.60 | 11.6 | 15.0 | 4.20 | 2.70 |
| 1 | 9.60 | 11.6 | 15.0 | 4.00 | 2.70 |
| 0 | 9.20 | 11.4 | 14.5 | 2.50 | 2.50 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1943-1946; AJ 1944-1946

Beinflussung durch Talsperren

3 Tage Randeis, 3 Tage Treibeis/Eisgang

$A_{Eo}$ : 175 km²
PNP : NN + 293.58 m
Lage: 45.2 km oberhalb Mündung links

Q
m³/s

Pegel : Arnstadt Nr. 574200
Gewässer : Gera
Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.660 | 3.39 | 1.64 | 10.7 | 15.0 | 3.58 | 1.50 | 1.64 | 1.22 | 0.860 | 0.760 | 0.760 | 3.02 | 5.04 |
| 2. | 0.660 | 3.77 | 1.64 | 9.54 | 11.6 | 3.39 | 1.50 | 1.64 | 1.22 | 0.760 | 0.760 | 0.760 | 3.77 | 5.04 |
| 3. | 0.570 | 3.97 | 1.50 | 8.42 | 9.82 | 3.20 | 1.50 | 1.64 | 1.09 | 0.660 | 0.760 | 0.760 | 4.39 | 4.82 |
| 4. | 0.570 | 3.97 | 1.09 | 7.61 | 8.42 | 2.84 | 2.12 | 1.64 | 1.09 | 0.760 | 0.760 | 0.760 | 4.82 | 4.82 |
| 5. | 0.570 | 4.39 | 1.09 | 6.86 | 7.36 | 2.66 | 2.48 | 1.50 | 1.09 | 0.760 | 0.760 | 0.760 | 4.82 | 4.60 |
| 6. | 0.570 | 4.82 | 1.22 | 6.14 | 6.86 | 2.66 | 2.30 | 2.48 | 1.09 | 0.760 | 0.760 | 1.36 | 4.60 | 4.39 |
| 7. | 0.660 | 5.04 | 1.50 | 5.70 | 6.86 | 2.48 | 2.30 | 2.84 | 0.970 | 0.860 | 0.760 | 1.50 | 4.39 | 3.97 |
| 8. | 2.84 | 4.60 | 1.64 | 5.26 | 6.61 | 2.30 | 2.12 | 2.84 | 0.970 | 1.22 | 0.760 | 1.50 | 4.18 | 3.58 |
| 9. | 3.77 | 4.18 | 1.50 | 5.04 | 6.37 | 1.95 | 2.12 | 2.48 | 1.09 | 1.09 | 0.760 | 1.22 | 6.14 | 3.20 |
| 10. | 2.84 | 3.58 | 1.36 | 6.61 | 5.92 | 1.79 | 2.66 | 2.48 | 1.22 | 1.09 | 0.970 | 1.22 | 5.92 | 3.02 |
| 11. | 2.30 | 3.02 | 1.22 | 6.86 | 5.26 | 1.79 | 3.97 | 2.12 | 1.50 | 1.09 | 1.09 | 1.22 | 5.70 | 2.84 |
| 12. | 1.79 | 2.84 | 1.22 | 8.98 | 4.82 | 1.79 | 3.77 | 1.95 | 1.22 | 1.50 | 0.970 | 1.22 | 5.92 | 2.66 |
| 13. | 1.64 | 2.48 | 1.22 | 15.0 | 4.82 | 1.79 | 3.58 | 1.95 | 1.09 | 1.22 | 0.860 | 1.22 | 6.37 | 2.66 |
| 14. | 1.64 | 2.30 | 1.22 | 14.1 | 4.60 | 1.95 | 3.39 | 1.79 | 1.09 | 1.09 | 0.860 | 0.970 | 6.14 | 2.48 |
| 15. | 1.36 | 1.95 | 1.09 | 11.3 | 4.60 | 1.95 | 3.02 | 1.95 | 1.09 | 0.970 | 0.860 | 0.970 | 5.48 | 2.48 |
| 16. | 1.36 | 1.95 | 0.970 | 9.54 | 4.60 | 1.79 | 2.66 | 1.79 | 1.09 | 0.970 | 0.860 | 1.36 | 5.04 | 2.48 |
| 17. | 1.22 | 1.95 | 1.09 | 8.14 | 4.39 | 1.64 | 2.48 | 1.64 | 1.50 | 0.970 | 0.860 | 1.79 | 4.60 | 2.48 |
| 18. | 1.22 | 1.95 | 1.09 | 7.36 | 4.18 | 1.64 | 2.30 | 1.50 | 1.79 | 0.970 | 0.860 | 1.64 | 3.97 | 2.30 |
| 19. | 1.22 | 1.79 | 1.22 | 6.86 | 5.26 | 1.50 | 2.66 | 1.50 | 1.22 | 0.970 | 0.860 | 1.79 | 4.18 | 2.12 |
| 20. | 1.22 | 1.79 | 1.36 | 8.98 | 5.92 | 1.50 | 2.30 | 1.50 | 1.09 | 0.860 | 0.860 | 1.79 | 3.77 | 2.12 |
| 21. | 1.09 | 1.64 | 4.60 | 9.54 | 6.86 | 1.36 | 2.12 | 1.50 | 1.09 | 0.860 | 0.660 | 1.79 | 3.58 | 1.95 |
| 22. | 1.64 | 1.79 | 5.48 | 8.14 | 7.36 | 1.36 | 1.95 | 1.50 | 0.970 | 0.860 | 0.760 | 1.79 | 3.20 | 2.12 |
| 23. | 2.12 | 1.79 | 5.04 | 8.14 | 7.11 | 1.36 | 1.95 | 1.36 | 0.860 | 0.760 | 0.760 | 3.02 | 2.84 | 3.58 |
| 24. | 1.95 | 1.50 | 6.14 | 7.36 | 6.37 | 1.36 | 2.48 | 1.36 | 0.860 | 0.760 | 0.660 | 3.58 | 2.66 | 3.39 |
| 25. | 1.79 | 1.64 | 7.11 | 6.61 | 5.92 | 1.50 | 2.12 | 1.36 | 0.860 | 0.760 | 0.760 | 3.39 | 2.48 | 3.20 |
| 26. | 2.12 | 1.79 | 7.61 | 13.5 | 5.48 | 1.36 | 1.95 | 1.22 | 0.860 | 0.760 | 0.760 | 4.18 | 2.48 | 3.20 |
| 27. | 3.02 | 1.64 | 15.3 | 23.1 | 5.04 | 1.50 | 1.95 | 1.22 | 0.760 | 0.860 | 0.660 | 4.60 | 2.30 | 3.20 |
| 28. | 3.02 | 1.95 | 24.4 | 20.9 | 4.60 | 1.64 | 2.48 | 1.22 | 0.760 | 1.22 | 0.660 | 5.04 | 2.48 | 3.20 |
| 29. | 3.02 | 2.30 | 21.3 | | 4.18 | 1.64 | 2.12 | 1.22 | 0.760 | 0.970 | 0.660 | 4.39 | 2.84 | 3.20 |
| 30. | 3.39 | 2.12 | 15.8 | | 3.77 | 1.64 | 1.95 | 1.22 | 0.760 | 0.860 | 0.660 | 3.97 | 5.26 | 8.98 |
| 31. | | 1.95 | 12.8 | | 3.58 | | 1.79 | | 0.760 | 0.760 | | 3.39 | | 16.3 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 3.+ | 24. | 16. | 9. | 31. | 21.+ | 1.+ | 26.+ | 27.+ | 3. | 21.+ | 1.+ | 27. | 21. |
| NQ | 0.570 | 1.50 | 0.970 | 5.04 | 3.58 | 1.36 | 1.50 | 1.22 | 0.760 | 0.660 | 0.660 | 0.760 | 2.30 | 1.95 |
| MQ | 1.73 | 2.70 | 4.89 | 9.51 | 6.24 | 1.96 | 2.37 | 1.74 | 1.07 | 0.931 | 0.792 | 2.06 | 4.24 | 3.85 |
| HQ | 5.04 | 5.70 | 26.7 | 27.2 | 17.4 | 3.58 | 8.14 | 5.92 | 2.48 | 1.79 | 1.50 | 6.14 | 7.11 | 17.7 |
| Tag | 8. | 6. | 28. | 27. | 1. | 1. | 10. | 6. | 18. | 27.+ | 10. | 27. | 9. | 31.+ |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 26 | 41 | 75 | 132 | 96 | 29 | 36 | 26 | 16 | 14 | 12 | 32 | 63 | 59 |

| | 1924/2001 | | 1925/2002 | | | | | | 73 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1948 | 1948 | 1949 | 1949 | 1963 | 1959 | 1963 | 1998+ | 1949 | 1964 | 1964 | 1964 | 1964 | 1962 |
| NQ | 0.250 | 0.210 | 0.210 | 0.310 | 0.330 | 0.740 | 0.720 | 0.570 | 0.340 | 0.250 | 0.250 | 0.330 | 0.320 | 0.420 |
| MNQ | 1.20 | 1.33 | 1.46 | 1.66 | 1.83 | 2.36 | 1.66 | 1.28 | 1.03 | 0.912 | 0.846 | 0.932 | 1.23 | 1.37 |
| MQ | 2.26 | 2.73 | 2.94 | 2.94 | 3.39 | 3.96 | 2.55 | 2.05 | 1.57 | 1.35 | 1.29 | 1.62 | 2.30 | 2.81 |
| MHQ | 6.15 | 7.26 | 8.01 | 6.75 | 7.68 | 8.14 | 4.77 | 4.53 | 3.50 | 3.78 | 2.73 | 3.85 | 6.05 | 7.59 |
| HQ | 50.0 | 34.5 | 32.1 | 27.2 | 28.5 | 58.9 | 15.9 | 25.5 | 14.0 | 75.7 | 14.4 | 16.0 | 50.0 | 34.5 |
| Jahr | 1940 | 1939 | 1993 | 2002 | 1981 | 1994 | 1941 | 1933 | 1955 | 1981 | 1998 | 1954 | 1940 | 1939 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 34 | 42 | 45 | 41 | 52 | 59 | 39 | 30 | 24 | 21 | 19 | 25 | 34 | 43 |

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.570 | am 03.11.2001 | 0.570 | 0.660 | 0.660 | am 03.08.2002 |
| MQ m³/s | 2.96 | | 4.45 | 1.49 | 3.27 | |
| HQ m³/s | 27.2 | am 27.02.2002 | 27.2 | 8.14 | 27.2 | am 27.02.2002 |
| Nq l/(skm²) | 3.26 | | 3.26 | 3.78 | 3.78 | |
| Mq l/(skm²) | 16.9 | | 25.5 | 8.53 | 18.7 | |
| Hq l/(skm²) | 156 | | 156 | 46.6 | 156 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 534 | | 398 | 136 | 590 | |
| | 1925/2002 (*) 74 Jahre | | | | 1925/2002 | |
| NQ m³/s | 0.210 | am 27.12.1948 | 0.210 | 0.250 | 0.210 | am 01.01.1949 |
| MNQ m³/s | 0.682 | | 0.935 | 0.733 | 0.688 | |
| MQ m³/s | 2.39 | | 3.05 | 1.74 | 2.39 | |
| MHQ m³/s | 16.9 | | 15.5 | 8.47 | 16.7 | |
| HQ m³/s | 75.7 | am 10.08.1981 | 58.9 | 75.7 | 75.7 | am 10.08.1981 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 3.90 | | 5.35 | 4.20 | 3.94 | |
| Mq l/(skm²) | 13.7 | | 17.5 | 9.96 | 13.7 | |
| MHq l/(skm²) | 96.7 | | 88.7 | 48.5 | 95.6 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 431 | | 273 | 158 | 431 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.210 | 1.20 | 27.12.1948+ | 75.7 | 433 | | 10.08.1981 |
| 2 | 0.250 | 1.43 | 28.08.1964+ | 58.9 | 337 | | 13.04.1994 |
| 3 | 0.300 | 1.72 | 08.09.1949 | 50.0 | 286 | | 05.11.1940 |
| 4 | 0.320 | 1.83 | 13.12.1924+ | 34.5 | 197 | | 01.12.1939 |
| 5 | 0.330 | 1.89 | 05.02.1963+ | 32.1 | 184 | | 12.01.1993 |
| 6 | 0.350 | 2.00 | 15.02.1954+ | 30.0 | 172 | | 20.01.1986 |
| 7 | 0.390 | 2.23 | 17.08.1976 | 29.6 | 169 | | 30.11.1939 |
| 8 | 0.400 | 2.29 | 07.01.1954+ | 28.5 | 163 | | 28.03.1981+ |
| 9 | 0.420 | 2.40 | 17.01.1964 | 27.2 | 156 | | 27.02.2002 |
| 10 | 0.430 | 2.46 | 12.10.1990+ | 26.8 | 153 | | 31.12.1925 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1925/2002 Obere Hüllwerte | 73 Kalenderjahre Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 24.4 | 24.4 | 45.6 | 14.9 | 4.03 |
| 363 | 23.1 | 23.1 | 36.5 | 12.4 | 3.90 |
| 362 | 21.3 | 21.3 | 27.2 | 11.0 | 3.60 |
| 361 | 20.9 | 20.9 | 26.2 | 10.2 | 3.45 |
| 360 | 15.8 | 16.3 | 20.5 | 9.51 | 3.45 |
| 359 | 15.3 | 15.8 | 20.1 | 9.00 | 3.45 |
| 358 | 15.3 | 15.3 | 16.3 | 8.64 | 2.99 |
| 357 | 15.3 | 15.3 | 15.6 | 8.27 | 2.99 |
| 356 | 14.1 | 15.3 | 15.3 | 7.94 | 2.99 |
| 350 | 9.82 | 10.7 | 12.0 | 6.79 | 2.83 |
| 340 | 8.42 | 8.42 | 9.71 | 5.55 | 2.47 |
| 330 | 7.11 | 7.36 | 8.42 | 4.83 | 1.95 |
| 320 | 6.37 | 6.61 | 7.65 | 4.30 | 1.79 |
| 300 | 4.82 | 5.48 | 6.52 | 3.60 | 1.50 |
| 270 | 3.58 | 4.39 | 5.13 | 2.85 | 1.22 |
| 240 | 2.48 | 3.39 | 4.41 | 2.33 | 1.09 |
| 210 | 2.12 | 2.66 | 3.90 | 1.97 | 1.01 |
| 183 | 1.79 | 2.12 | 3.45 | 1.76 | 0.960 |
| 150 | 1.64 | 1.79 | 2.98 | 1.51 | 0.800 |
| 130 | 1.50 | 1.64 | 2.69 | 1.37 | 0.720 |
| 120 | 1.36 | 1.50 | 2.69 | 1.29 | 0.720 |
| 110 | 1.36 | 1.36 | 2.54 | 1.23 | 0.610 |
| 100 | 1.22 | 1.36 | 2.37 | 1.16 | 0.610 |
| 90 | 1.22 | 1.22 | 2.18 | 1.10 | 0.500 |
| 80 | 1.22 | 1.22 | 2.12 | 1.07 | 0.500 |
| 70 | 1.09 | 1.09 | 1.95 | 1.00 | 0.500 |
| 60 | 0.970 | 1.09 | 1.95 | 0.960 | 0.500 |
| 50 | 0.970 | 0.970 | 1.80 | 0.880 | 0.420 |
| 40 | 0.860 | 0.970 | 1.79 | 0.834 | 0.410 |
| 30 | 0.860 | 0.860 | 1.79 | 0.763 | 0.410 |
| 25 | 0.860 | 0.860 | 1.64 | 0.700 | 0.410 |
| 20 | 0.860 | 0.860 | 1.64 | 0.670 | 0.400 |
| 15 | 0.860 | 0.860 | 1.64 | 0.610 | 0.340 |
| 10 | 0.760 | 0.860 | 1.50 | 0.570 | 0.300 |
| 9 | 0.760 | 0.860 | 1.50 | 0.540 | 0.300 |
| 8 | 0.760 | 0.860 | 1.50 | 0.520 | 0.300 |
| 7 | 0.760 | 0.860 | 1.50 | 0.520 | 0.300 |
| 6 | 0.760 | 0.760 | 1.50 | 0.500 | 0.300 |
| 5 | 0.760 | 0.760 | 1.50 | 0.500 | 0.300 |
| 4 | 0.760 | 0.760 | 1.50 | 0.460 | 0.300 |
| 3 | 0.660 | 0.760 | 1.50 | 0.430 | 0.300 |
| 2 | 0.660 | 0.760 | 1.50 | 0.430 | 0.300 |
| 1 | 0.660 | 0.760 | 1.50 | 0.340 | 0.230 |
| 0 | 0.570 | 0.660 | 1.22 | 0.210 | 0.210 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1948; AJ 1945-1948
Beeinflussung durch Überleitung in das Einzugsgebiet der Talsperre Ohra

$A_{Eo}$ : 843 km²
PNP : NN + 213.21 m
Lage: 29.7 km oberhalb Mündung rechts

Q
m³/s

Pegel : Erfurt-Möbisburg Nr. 574210
Gewässer : Gera
Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.51 | 8.69 | 3.02 | 19.7 | 36.2 | 10.8 | 4.30 | 4.94 | 3.02 | 2.30 | 2.30 | 2.18 | 6.62 | 31.0 |
| 2. | 1.51 | 9.35 | 3.02 | 19.7 | 28.2 | 10.0 | 4.62 | 5.26 | 3.20 | 2.06 | 2.30 | 2.18 | 9.35 | 20.7 |
| 3. | 1.51 | 8.69 | 3.02 | 16.4 | 22.6 | 9.02 | 4.62 | 4.94 | 3.20 | 3.42 | 2.30 | 2.30 | 13.5 | 18.8 |
| 4. | 1.51 | 8.03 | 3.20 | 14.2 | 19.7 | 8.36 | 7.70 | 4.94 | 3.02 | 2.84 | 2.30 | 2.30 | 16.4 | 17.2 |
| 5. | 1.70 | 8.36 | 3.20 | 12.5 | 18.3 | 8.03 | 9.35 | 5.26 | 3.02 | 2.48 | 2.18 | 2.30 | 14.2 | 16.4 |
| 6. | 1.70 | 9.35 | 3.42 | 11.8 | 16.1 | 7.70 | 8.36 | 7.70 | 2.84 | 2.48 | 2.18 | 3.86 | 12.5 | 15.7 |
| 7. | 1.82 | 9.70 | 3.20 | 11.1 | 15.3 | 7.34 | 8.36 | 13.5 | 2.84 | 3.02 | 2.06 | 4.62 | 11.4 | 14.6 |
| 8. | 5.58 | 8.69 | 2.66 | 10.4 | 14.6 | 6.62 | 7.34 | 15.3 | 2.66 | 3.42 | 2.06 | 4.30 | 11.4 | 13.5 |
| 9. | 8.69 | 7.70 | 2.66 | 10.4 | 13.9 | 5.90 | 6.98 | 9.35 | 2.48 | 3.20 | 2.06 | 3.64 | 19.4 | 12.8 |
| 10. | 5.90 | 6.62 | 2.66 | 12.8 | 12.8 | 5.90 | 6.98 | 8.69 | 2.84 | 3.20 | 2.18 | 3.20 | 17.6 | 12.2 |
| 11. | 4.62 | 5.58 | 2.66 | 12.8 | 12.2 | 5.90 | 11.4 | 7.70 | 3.02 | 3.02 | 3.64 | 3.20 | 18.8 | 11.1 |
| 12. | 4.08 | 5.58 | 2.66 | 14.6 | 11.8 | 5.58 | 11.1 | 6.62 | 2.84 | 8.03 | 2.66 | 3.20 | 17.9 | 10.4 |
| 13. | 4.08 | 5.26 | 2.66 | 26.2 | 10.8 | 5.90 | 11.1 | 6.26 | 2.30 | 3.86 | 2.30 | 3.20 | 16.4 | 10.0 |
| 14. | 3.64 | 4.30 | 2.66 | 29.0 | 11.4 | 6.98 | 10.0 | 6.26 | 2.48 | 3.02 | 2.30 | 3.20 | 14.6 | 10.0 |
| 15. | 3.20 | 4.08 | 2.66 | 23.0 | 11.8 | 6.26 | 9.02 | 6.62 | 2.48 | 2.66 | 2.30 | 3.42 | 12.8 | 10.0 |
| 16. | 3.20 | 3.86 | 2.84 | 19.1 | 11.8 | 6.26 | 8.36 | 5.90 | 2.48 | 2.48 | 2.30 | 4.08 | 11.4 | 10.0 |
| 17. | 3.02 | 3.64 | 2.48 | 16.8 | 12.8 | 5.90 | 7.70 | 4.94 | 3.86 | 2.48 | 2.30 | 4.62 | 10.8 | 10.0 |
| 18. | 3.02 | 3.64 | 2.30 | 14.6 | 11.8 | 5.26 | 7.34 | 4.08 | 6.26 | 2.48 | 2.30 | 4.62 | 9.35 | 9.70 |
| 19. | 2.84 | 3.42 | 2.48 | 13.2 | 14.6 | 5.26 | 8.69 | 3.86 | 3.42 | 2.30 | 2.18 | 5.58 | 9.35 | 9.35 |
| 20. | 2.84 | 3.42 | 2.66 | 19.7 | 17.6 | 4.62 | 7.70 | 3.86 | 2.84 | 2.30 | 2.18 | 5.26 | 9.02 | 9.35 |
| 21. | 2.66 | 3.20 | 13.5 | 21.0 | 20.7 | 4.62 | 6.98 | 4.08 | 2.66 | 2.30 | 2.18 | 4.94 | 8.36 | 9.02 |
| 22. | 3.42 | 3.20 | 16.8 | 17.6 | 23.4 | 4.30 | 6.26 | 3.86 | 2.48 | 2.18 | 2.06 | 5.90 | 7.70 | 9.70 |
| 23. | 5.26 | 3.20 | 14.6 | 19.4 | 22.2 | 3.86 | 5.58 | 3.64 | 2.48 | 2.48 | 2.30 | 9.02 | 7.70 | 17.6 |
| 24. | 4.62 | 3.42 | 16.1 | 17.9 | 19.4 | 4.30 | 7.70 | 3.42 | 2.30 | 2.84 | 2.48 | 10.4 | 6.62 | 16.8 |
| 25. | 4.08 | 3.20 | 19.4 | 16.4 | 17.6 | 4.62 | 5.90 | 3.42 | 2.48 | 2.48 | 2.18 | 9.02 | 6.26 | 16.4 |
| 26. | 5.26 | 3.42 | 19.7 | 35.0 | 15.7 | 4.08 | 5.58 | 3.20 | 2.30 | 2.30 | 2.48 | 10.4 | 5.90 | 15.3 |
| 27. | 6.98 | 3.42 | 36.6 | 56.0 | 14.2 | 4.62 | 5.26 | 3.20 | 2.30 | 2.48 | 2.48 | 11.1 | 5.26 | 15.3 |
| 28. | 7.70 | 3.42 | 53.5 | 49.5 | 13.2 | 4.94 | 7.34 | 3.20 | 2.18 | 4.08 | 2.30 | 12.2 | 5.58 | 15.7 |
| 29. | 7.70 | 4.62 | 45.0 | | 12.2 | 4.08 | 6.26 | 3.02 | 2.06 | 3.42 | 2.30 | 10.4 | 7.70 | 15.0 |
| 30. | 8.69 | 4.30 | 33.4 | | 11.4 | 4.08 | 5.58 | 3.20 | 2.06 | 2.66 | 2.30 | 8.36 | 43.0 | 31.0 |
| 31. | | 4.08 | 24.2 | | 11.1 | | 5.26 | | 2.18 | 2.48 | | 7.34 | | 68.5 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1.+ | 21.+ | 18. | 8.+ | 13. | 23. | 1. | 29. | 29.+ | 2. | 7.+ | 1.+ | 27. | 21. |
| NQ | 1.51 | 3.20 | 2.30 | 10.4 | 10.8 | 3.86 | 4.30 | 3.02 | 2.06 | 2.06 | 2.06 | 2.18 | 5.26 | 9.02 |
| MQ | 4.08 | 5.40 | 11.3 | 20.0 | 16.3 | 6.04 | 7.38 | 5.67 | 2.79 | 2.93 | 2.31 | 5.49 | 12.2 | 16.2 |
| HQ | 12.8 | 11.8 | 58.0 | 74.0 | 42.6 | 11.1 | 13.5 | 20.2 | 10.8 | 17.9 | 4.94 | 15.0 | 61.5 | 82.4 |
| Tag | 8. | 7. | 28. | 27. | 1. | 1. | 11. | 7. | 18. | 12. | 11. | 27. | 30. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 13 | 17 | 36 | 57 | 52 | 19 | 23 | 17 | 9 | 9 | 7 | 17 | 38 | 51 |

| | 1930/2001 | | 1931/2002 | | | | | | 72 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1949 | 1991 | 1963 | 1963 | 1963 | 1974 | 1992 | 1976 | 1959 | 1964 | 1959 | 1959 | 1949 | 1991 |
| NQ | 0.780 | 0.760 | 0.810 | 0.730 | 0.810 | 1.76 | 1.45 | 0.750 | 0.600 | 0.560 | 0.480 | 0.480 | 0.780 | 0.760 |
| MNQ | 2.70 | 3.00 | 3.28 | 3.97 | 4.60 | 5.42 | 3.70 | 2.83 | 2.29 | 1.97 | 1.86 | 2.02 | 2.72 | 3.09 |
| MQ | 5.08 | 6.57 | 7.38 | 8.07 | 9.24 | 9.75 | 6.05 | 5.08 | 3.86 | 3.25 | 2.90 | 3.61 | 5.09 | 6.74 |
| MHQ | 14.3 | 19.6 | 23.2 | 22.0 | 25.9 | 23.6 | 13.9 | 16.8 | 10.7 | 11.2 | 6.65 | 8.68 | 14.7 | 20.6 |
| HQ | 114 | 133 | 79.8 | 166 | 133 | 220 | 84.4 | 121 | 66.3 | 176 | 31.4 | 57.6 | 114 | 133 |
| Jahr | 1940 | 1947 | 1947 | 1946 | 1942 | 1994 | 1969 | 1961 | 1956 | 1981 | 1998 | 1960 | 1940 | 1947 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 16 | 21 | 23 | 23 | 29 | 30 | 19 | 16 | 12 | 10 | 9 | 11 | 16 | 21 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 1.51 | am 01.11.2001 | 1.51 | 2.06 |
| MQ m³/s | 7.40 | | 10.4 | 4.44 |
| HQ m³/s | 74.0 | am 27.02.2002 | 74.0 | 20.2 |
| Nq l/(skm²) | 1.79 | | 1.79 | 2.44 |
| Mq l/(skm²) | 8.78 | | 12.3 | 5.27 |
| Hq l/(skm²) | 87.8 | | 87.8 | 24.0 |
| $h_N$ mm | | | | |
| $h_A$ mm | 277 | | 193 | 84 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 2.06 | am 29.07.2002 |
| 8.99 | |
| 82.4 | am 31.12.2002 |
| 2.44 | |
| 10.7 | |
| 97.8 | |
| 336 | |

| | 1931/2002 (*) 72 Jahre | | | | 1931/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.480 | am 24.09.1959 | 0.730 | 0.480 | 0.480 | am 24.09.1959 |
| MNQ m³/s | 1.36 | | 2.03 | 1.57 | 1.50 | |
| MQ m³/s | 5.89 | | 7.68 | 4.13 | 5.90 | |
| MHQ m³/s | 53.8 | | 47.6 | 28.5 | 53.4 | |
| HQ m³/s | 220 | am 13.04.1994 | 220 | 176 | 220 | am 13.04.1994 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.61 | | 2.41 | 1.86 | 1.78 | |
| Mq l/(skm²) | 6.99 | | 9.11 | 4.90 | 7.00 | |
| MHq l/(skm²) | 63.8 | | 56.5 | 33.8 | 63.4 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 220 | | 143 | 78 | 221 | |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1931/2002 72 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 56.0 | 68.5 | 172 | 42.5 | 11.8 |
| 363 | 53.5 | 56.0 | 114 | 35.2 | 8.42 |
| 362 | 49.5 | 53.5 | 91.8 | 31.5 | 8.09 |
| 361 | 45.0 | 49.5 | 77.4 | 28.4 | 7.76 |
| 360 | 36.6 | 45.0 | 71.0 | 26.9 | 7.43 |
| 359 | 36.2 | 43.0 | 68.4 | 25.3 | 7.10 |
| 358 | 35.0 | 36.6 | 65.9 | 24.2 | 6.84 |
| 357 | 33.4 | 36.2 | 61.8 | 23.3 | 6.84 |
| 356 | 29.0 | 35.0 | 59.7 | 22.3 | 6.84 |
| 350 | 22.6 | 26.2 | 46.4 | 18.8 | 6.04 |
| 340 | 19.7 | 20.7 | 29.6 | 15.0 | 5.51 |
| 330 | 16.8 | 19.1 | 24.1 | 12.7 | 4.40 |
| 320 | 15.3 | 17.2 | 22.8 | 11.2 | 3.61 |
| 300 | 12.2 | 15.0 | 19.4 | 8.85 | 3.07 |
| 270 | 9.02 | 12.2 | 15.1 | 6.90 | 2.62 |
| 240 | 7.34 | 10.4 | 12.7 | 5.59 | 2.35 |
| 210 | 5.90 | 8.03 | 11.1 | 4.51 | 2.15 |
| 183 | 4.94 | 6.62 | 10.4 | 3.90 | 1.78 |
| 150 | 3.86 | 4.94 | 8.64 | 3.25 | 1.45 |
| 130 | 3.42 | 4.08 | 7.62 | 2.91 | 1.18 |
| 120 | 3.42 | 3.64 | 7.62 | 2.75 | 1.18 |
| 110 | 3.20 | 3.42 | 7.28 | 2.57 | 1.18 |
| 100 | 3.20 | 3.42 | 7.28 | 2.47 | 1.10 |
| 90 | 3.02 | 3.20 | 7.28 | 2.33 | 0.980 |
| 80 | 2.84 | 2.84 | 6.94 | 2.19 | 0.920 |
| 70 | 2.66 | 2.84 | 6.94 | 2.07 | 0.860 |
| 60 | 2.66 | 2.66 | 6.31 | 1.98 | 0.840 |
| 50 | 2.48 | 2.66 | 6.31 | 1.83 | 0.840 |
| 40 | 2.48 | 2.48 | 6.02 | 1.67 | 0.820 |
| 30 | 2.48 | 2.48 | 5.73 | 1.52 | 0.680 |
| 25 | 2.30 | 2.48 | 5.73 | 1.46 | 0.600 |
| 20 | 2.30 | 2.48 | 5.44 | 1.35 | 0.600 |
| 15 | 2.30 | 2.30 | 5.44 | 1.24 | 0.560 |
| 10 | 2.18 | 2.30 | 5.44 | 1.08 | 0.560 |
| 9 | 2.18 | 2.30 | 5.44 | 1.06 | 0.560 |
| 8 | 2.18 | 2.30 | 5.15 | 1.06 | 0.520 |
| 7 | 2.18 | 2.30 | 5.15 | 1.00 | 0.520 |
| 6 | 1.82 | 2.18 | 5.15 | 0.950 | 0.520 |
| 5 | 1.82 | 2.18 | 5.15 | 0.920 | 0.520 |
| 4 | 1.82 | 2.18 | 5.15 | 0.850 | 0.520 |
| 3 | 1.70 | 2.18 | 5.15 | 0.830 | 0.520 |
| 2 | 1.70 | 2.18 | 5.15 | 0.760 | 0.520 |
| 1 | 1.70 | 2.18 | 5.15 | 0.680 | 0.520 |
| 0 | 1.51 | 2.06 | 4.86 | 0.480 | 0.480 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.480 | 0.570 | 24.09.1959+ | 220 | 261 | | 13.04.1994 |
| 2 | 0.490 | 0.581 | 02.09.1962 | 176 | 209 | | 11.08.1981 |
| 3 | 0.500 | 0.593 | 30.09.1948+ | 166 | 197 | | 09.02.1946 |
| 4 | 0.560 | 0.664 | 27.08.1964+ | 133 | 158 | | 29.12.1947 |
| 5 | 0.620 | 0.736 | 28.10.1949 | 133 | 158 | | 18.03.1942 |
| 6 | 0.660 | 0.783 | 10.07.1976+ | 121 | 144 | | 10.06.1961 |
| 7 | 0.760 | 0.902 | 17.12.1991 | 114 | 135 | | 05.11.1940 |
| 8 | 0.850 | 1.01 | 16.08.1989+ | 99.9 | 119 | | 11.03.1981 |
| 9 | 0.900 | 1.07 | 11.08.1935+ | 91.1 | 108 | | 29.04.1961+ |
| 10 | 0.940 | 1.12 | 13.08.1990 | 84.5 | 100 | | 21.08.1977 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch Talsperre Ohra und in geringfügigem Maße durch die Talsperren Tambach-Dietharz und Heyda

$A_{Eo}$ : 12.1 km²

PNP : NN + 473.60 m

Lage: 35.2 km oberhalb Mündung links

Q

m³/s

Pegel : Tambach-Dietharz 1 Nr. 574600

Gewässer : Apfelstädt

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.030 | 1.34 | 0.120 | 1.59 | 1.89 | 0.330 | 0.190 | 0.140 | 0.080 | 0.050 | 0.180 | 0.080 | 0.710 | 0.360 |
| 2. | 0.040 | 1.28 | 0.120 | 1.34 | 1.40 | 0.290 | 0.190 | 0.130 | 0.080 | 0.040 | 0.180 | 0.080 | 0.750 | 0.460 |
| 3. | 0.080 | 1.12 | 0.120 | 1.12 | 1.08 | 0.280 | 0.210 | 0.130 | 0.080 | 0.040 | 0.170 | 0.080 | 0.900 | 0.490 |
| 4. | 0.080 | 0.980 | 0.110 | 0.870 | 0.810 | 0.250 | 0.240 | 0.130 | 0.080 | 0.040 | 0.170 | 0.090 | 1.40 | 0.490 |
| 5. | 0.090 | 0.870 | 0.110 | 0.750 | 0.680 | 0.220 | 0.250 | 0.130 | 0.070 | 0.050 | 0.160 | 0.100 | 1.53 | 0.480 |
| 6. | 0.090 | 0.900 | 0.110 | 0.670 | 0.590 | 0.210 | 0.280 | 0.170 | 0.070 | 0.060 | 0.140 | 0.180 | 1.40 | 0.440 |
| 7. | 0.090 | 1.08 | 0.110 | 0.590 | 0.550 | 0.190 | 0.290 | 0.180 | 0.070 | 0.060 | 0.120 | 0.240 | 1.23 | 0.410 |
| 8. | 0.360 | 1.08 | 0.110 | 0.550 | 0.530 | 0.180 | 0.310 | 0.190 | 0.060 | 0.070 | 0.120 | 0.260 | 0.900 | 0.370 |
| 9. | 0.590 | 0.940 | 0.110 | 0.510 | 0.550 | 0.170 | 0.330 | 0.190 | 0.060 | 0.080 | 0.110 | 0.280 | 0.980 | 0.330 |
| 10. | 0.630 | 0.810 | 0.110 | 0.550 | 0.530 | 0.160 | 0.360 | 0.220 | 0.070 | 0.080 | 0.110 | 0.280 | 1.28 | 0.310 |
| 11. | 0.590 | 0.680 | 0.100 | 0.610 | 0.510 | 0.060 | 0.370 | 0.240 | 0.070 | 0.080 | 0.120 | 0.260 | 1.28 | 0.280 |
| 12. | 0.550 | 0.590 | 0.100 | 0.710 | 0.480 | 0.000 | 0.370 | 0.240 | 0.050 | 0.140 | 0.100 | 0.250 | 1.34 | 0.250 |
| 13. | 0.510 | 0.490 | 0.090 | 1.47 | 0.460 | 0.000 | 0.360 | 0.220 | 0.050 | 0.160 | 0.100 | 0.250 | 1.34 | 0.240 |
| 14. | 0.480 | 0.420 | 0.090 | 2.17 | 0.460 | 0.000 | 0.340 | 0.210 | 0.050 | 0.170 | 0.090 | 0.240 | 1.28 | 0.240 |
| 15. | 0.440 | 0.360 | 0.090 | 1.89 | 0.420 | 0.000 | 0.330 | 0.190 | 0.050 | 0.170 | 0.090 | 0.220 | 0.940 | 0.220 |
| 16. | 0.420 | 0.330 | T 0.090 | 1.53 | 0.410 | 0.000 | 0.290 | 0.180 | 0.050 | 0.160 | 0.080 | 0.220 | 0.790 | 0.220 |
| 17. | 0.390 | 0.290 | R 0.090 | 1.23 | 0.410 | 0.000 | 0.280 | 0.170 | 0.060 | 0.160 | 0.080 | 0.240 | 0.670 | 0.220 |
| 18. | 0.370 | 0.280 | 0.090 | 0.870 | 0.410 | 0.000 | 0.260 | 0.170 | 0.080 | 0.140 | 0.080 | 0.260 | 0.550 | 0.220 |
| 19. | 0.340 | 0.250 | 0.090 | 0.730 | 0.510 | 0.000 | 0.240 | 0.160 | 0.070 | 0.140 | 0.080 | 0.360 | 0.490 | 0.210 |
| 20. | 0.310 | 0.220 | 0.100 | 0.710 | 0.710 | 0.000 | 0.220 | 0.140 | 0.060 | 0.140 | 0.070 | 0.460 | 0.440 | 0.190 |
| 21. | 0.280 | 0.210 | 0.240 | 0.710 | 1.17 | 0.000 | 0.210 | 0.130 | 0.060 | 0.120 | 0.070 | 0.510 | 0.390 | 0.190 |
| 22. | 0.420 | 0.190 | 0.480 | 0.710 | 1.34 | 0.000 | 0.180 | 0.130 | 0.060 | 0.130 | 0.060 | 0.570 | 0.370 | 0.240 |
| 23. | 0.490 | 0.180 | 0.650 | 0.680 | 1.28 | 0.000 | 0.160 | 0.120 | 0.060 | 0.170 | 0.080 | 0.670 | 0.340 | 0.810 |
| 24. | 0.460 | 0.170 | 0.870 | 0.610 | 1.17 | 0.000 | 0.170 | 0.120 | 0.060 | 0.180 | 0.080 | 0.830 | 0.330 | 0.980 |
| 25. | 0.460 | 0.160 | 1.17 | 0.590 | 0.980 | 0.000 | 0.160 | 0.110 | 0.060 | 0.180 | 0.080 | 0.900 | 0.290 | 0.870 |
| 26. | 0.510 | 0.140 | 1.28 | 0.980 | 0.810 | 0.000 | 0.140 | 0.110 | 0.060 | 0.180 | 0.080 | 0.900 | 0.280 | 0.810 |
| 27. | 0.750 | 0.130 | 1.89 | 2.58 | 0.670 | 0.000 | 0.130 | 0.100 | 0.050 | 0.190 | 0.080 | 0.900 | 0.250 | 0.770 |
| 28. | 0.850 | 0.130 | 3.70 | 2.41 | 0.570 | 0.000 | 0.170 | 0.090 | 0.050 | 0.220 | 0.080 | 0.940 | 0.250 | 0.710 |
| 29. | 0.870 | 0.130 | 3.41 | | 0.490 | 0.000 | 0.160 | 0.090 | 0.050 | 0.210 | 0.080 | 1.08 | 0.240 | 0.670 |
| 30. | 1.28 | 0.130 | 2.50 | | 0.420 | 0.060 | 0.140 | 0.090 | 0.050 | 0.190 | 0.080 | 1.02 | 0.290 | 1.59 |
| 31. | | 0.130 | 2.01 | | 0.370 | | 0.140 | | 0.050 | 0.190 | | 0.830 | | 3.56 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1. | 27.+ | 13.+ | 9. | 31. | 12.+ | 27. | 28.+ | 12.+ | 2.+ | 22. | 1.+ | 29. | 20.+ |
| NQ | 0.030 | 0.130 | 0.090 | 0.510 | 0.370 | 0.000 | 0.130 | 0.090 | 0.050 | 0.040 | 0.060 | 0.080 | 0.240 | 0.190 |
| MQ | 0.428 | 0.516 | 0.654 | 1.06 | 0.731 | 0.080 | 0.241 | 0.154 | 0.062 | 0.129 | 0.104 | 0.438 | 0.774 | 0.569 |
| HQ | 1.40 | 1.40 | 4.03 | 2.84 | 2.17 | 0.340 | 0.480 | 0.240 | 0.100 | 0.550 | 0.190 | 1.12 | 1.53 | 4.03 |
| Tag | 30. | 1. | 28. | 27. | 1. | 1. | 10. | 10.+ | 18. | 23. | 1. | 29.+ | 5. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 92 | 114 | 145 | 212 | 162 | 17 | 53 | 33 | 14 | 29 | 22 | 97 | 166 | 126 |

| | 1930/2001 | | 1931/2002 | | | | | | 72 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1968 | 1962 | 1954+ | 1963 | 1942+ | 2002 | 1934+ | 1934+ | 1997 | 1934+ | 1934+ | 1947+ | 1968 | 1962 |
| NQ | 0.000 | 0.010 | 0.020 | 0.010 | 0.020 | 0.000 | 0.040 | 0.020 | 0.000 | 0.010 | 0.010 | 0.010 | 0.000 | 0.010 |
| MNQ | 0.112 | 0.136 | 0.123 | 0.135 | 0.157 | 0.233 | 0.124 | 0.086 | 0.072 | 0.065 | 0.066 | 0.074 | 0.112 | 0.138 |
| MQ | 0.305 | 0.403 | 0.365 | 0.363 | 0.446 | 0.570 | 0.267 | 0.214 | 0.178 | 0.148 | 0.161 | 0.213 | 0.306 | 0.409 |
| MHQ | 0.816 | 1.28 | 1.11 | 0.932 | 1.23 | 1.31 | 0.624 | 0.601 | 0.458 | 0.461 | 0.459 | 0.606 | 0.816 | 1.33 |
| HQ | 4.22 | 7.16 | 5.21 | 5.89 | 6.63 | 6.88 | 3.70 | 5.01 | 2.41 | 9.66 | 4.61 | 4.41 | 4.22 | 7.16 |
| Jahr | 1939 | 1947 | 1987 | 1946 | 1981 | 1994 | 1941 | 1933 | 1966 | 1981 | 1998 | 1960 | 1939 | 1947 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 65 | 89 | 81 | 73 | 99 | 122 | 59 | 46 | 39 | 33 | 34 | 47 | 66 | 91 |

## Hauptwerte

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.000 | am 12.04.2002 | 0.000 | 0.040 | 0.000 | am 12.04.2002 |
| MQ m³/s | 0.380 | | 0.574 | 0.189 | 0.413 | |
| HQ m³/s | 4.03 | am 28.01.2002 | 4.03 | 1.12 | 4.03 | am 28.01.2002 |
| Nq l/(skm²) | | | | 3.31 | | |
| Mq l/(skm²) | 31.4 | | 47.4 | 15.6 | 34.1 | |
| Hq l/(skm²) | 333 | | 333 | 92.6 | 333 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 990 | | 742 | 248 | 1076 | |
| | 1931/2002 (*) 72 Jahre | | | | 1931/2002 | |
| NQ m³/s | 0.000 | am 12.04.2002 | 0.000 | 0.000 | 0.000 | am 12.04.2002 |
| MNQ m³/s | 0.029 | | 0.056 | 0.037 | 0.031 | |
| MQ m³/s | 0.302 | | 0.409 | 0.197 | 0.303 | |
| MHQ m³/s | 2.76 | | 2.51 | 1.46 | 2.78 | |
| HQ m³/s | 9.66 | am 10.08.1981 | 7.16 | 9.66 | 9.66 | am 10.08.1981 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 2.40 | | 4.63 | 3.06 | 2.56 | |
| Mq l/(skm²) | 25.0 | | 33.8 | 16.3 | 25.0 | |
| MHq l/(skm²) | 228 | | 207 | 121 | 230 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 787 | | 529 | 259 | 790 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | | 31.07.1997 | 9.66 | 798 | | 10.08.1981 |
| 2 | 0.000 | | 06.11.1968+ | 7.16 | 592 | | 28.12.1947 |
| 3 | 0.010 | 0.826 | 02.09.1982+ | 6.88 | 569 | | 13.04.1994 |
| 4 | 0.010 | 0.826 | 29.07.1976+ | 6.63 | 548 | | 11.03.1981+ |
| 5 | 0.010 | 0.826 | 01.11.1971+ | 5.89 | 487 | | 09.02.1946 |
| 6 | 0.010 | 0.826 | 22.09.1964+ | 5.21 | 431 | | 02.01.1987 |
| 7 | 0.010 | 0.826 | 10.11.1962+ | 5.01 | 414 | | 01.12.1939 |
| 8 | 0.010 | 0.826 | 06.09.1949+ | 5.01 | 414 | | 25.06.1933 |
| 9 | 0.010 | 0.826 | 21.10.1947+ | 4.61 | 381 | | 16.09.1998 |
| 10 | 0.010 | 0.826 | 23.11.1943+ | 4.41 | 364 | | 31.12.1986 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1931/2002 72 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 3.70 | 3.70 | 6.63 | 2.58 | 0.630 |
| 363 | 3.41 | 3.56 | 6.38 | 2.17 | 0.610 |
| 362 | 2.58 | 3.41 | 5.89 | 2.01 | 0.610 |
| 361 | 2.50 | 2.58 | 5.45 | 1.80 | 0.610 |
| 360 | 2.41 | 2.50 | 5.45 | 1.66 | 0.590 |
| 359 | 2.17 | 2.41 | 5.45 | 1.57 | 0.590 |
| 358 | 2.01 | 2.17 | 3.70 | 1.53 | 0.590 |
| 357 | 2.01 | 2.01 | 3.02 | 1.47 | 0.550 |
| 356 | 2.01 | 2.01 | 2.50 | 1.40 | 0.550 |
| 350 | 1.40 | 1.59 | 1.89 | 1.17 | 0.530 |
| 340 | 1.23 | 1.34 | 1.53 | 0.900 | 0.460 |
| 330 | 1.02 | 1.12 | 1.23 | 0.750 | 0.360 |
| 320 | 0.900 | 0.940 | 1.08 | 0.650 | 0.280 |
| 300 | 0.680 | 0.730 | 0.830 | 0.510 | 0.210 |
| 270 | 0.490 | 0.530 | 0.670 | 0.370 | 0.170 |
| 240 | 0.340 | 0.370 | 0.590 | 0.290 | 0.130 |
| 210 | 0.250 | 0.260 | 0.510 | 0.220 | 0.090 |
| 183 | 0.190 | 0.220 | 0.460 | 0.180 | 0.070 |
| 150 | 0.160 | 0.180 | 0.390 | 0.140 | 0.050 |
| 130 | 0.140 | 0.160 | 0.360 | 0.120 | 0.030 |
| 120 | 0.130 | 0.140 | 0.340 | 0.110 | 0.030 |
| 110 | 0.120 | 0.120 | 0.310 | 0.110 | 0.020 |
| 100 | 0.110 | 0.120 | 0.290 | 0.100 | 0.020 |
| 90 | 0.100 | 0.100 | 0.260 | 0.090 | 0.020 |
| 80 | 0.090 | 0.100 | 0.250 | 0.080 | 0.020 |
| 70 | 0.090 | 0.090 | 0.210 | 0.080 | 0.020 |
| 60 | 0.090 | 0.090 | 0.180 | 0.070 | 0.020 |
| 50 | 0.080 | 0.080 | 0.160 | 0.060 | 0.020 |
| 40 | 0.070 | 0.070 | 0.140 | 0.050 | 0.020 |
| 30 | 0.060 | 0.060 | 0.130 | 0.050 | 0.020 |
| 25 | 0.060 | 0.060 | 0.120 | 0.050 | 0.020 |
| 20 | 0.050 | 0.050 | 0.120 | 0.040 | 0.020 |
| 15 | 0.030 | 0.040 | 0.110 | 0.030 | 0.020 |
| 10 | 0.030 | 0.040 | 0.110 | 0.030 | 0.020 |
| 9 | 0.030 | 0.040 | 0.110 | 0.030 | 0.020 |
| 8 | 0.030 | 0.040 | 0.100 | 0.030 | 0.020 |
| 7 | 0.030 | 0.040 | 0.100 | 0.030 | 0.020 |
| 6 | 0.030 | 0.040 | 0.100 | 0.030 | 0.020 |
| 5 | 0.030 | 0.040 | 0.090 | 0.030 | 0.020 |
| 4 | 0.030 | 0.040 | 0.090 | 0.020 | 0.020 |
| 3 | 0.030 | 0.040 | 0.090 | 0.020 | 0.020 |
| 2 | 0.030 | 0.040 | 0.080 | 0.020 | 0.020 |
| 1 | 0.030 | 0.040 | 0.080 | 0.020 | 0.020 |
| 0 | 0.000 | 0.000 | 0.070 | 0.000 | 0.000 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

1 Tag Randeis, 1 Tag Treibeis/Eisgang

$A_{Eo}$ : 318 km²

PNP : NN + 213.91 m

Lage: 58.3 km oberhalb Mündung links

Q

m³/s

Pegel : Wipperdorf Nr. 575210

Gewässer : Wipper

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.720 | 2.95 | 2.45 | 4.70 | 9.20 | 3.90 | 3.70 | 2.45 | 1.87 | 2.30 | 2.01 | 1.47 | 2.30 | 9.60 |
| 2. | 0.820 | 4.10 | 2.45 | 4.30 | 8.10 | 3.90 | 3.50 | 2.30 | 2.01 | 2.01 | 2.01 | 1.47 | 4.90 | 7.42 |
| 3. | 0.820 | 3.31 | 2.45 | 3.90 | 7.20 | 3.70 | 3.50 | 2.30 | 1.87 | 1.60 | 2.01 | 1.47 | 6.76 | 6.55 |
| 4. | 0.820 | 2.95 | 3.13 | 3.50 | 6.34 | 3.70 | 5.92 | 2.30 | 1.73 | 1.73 | 2.01 | 1.73 | 9.00 | 5.92 |
| 5. | 0.820 | 3.13 | G3.31 | 3.31 | 5.50 | 3.50 | 5.92 | 2.30 | 1.87 | 1.60 | 1.87 | 1.60 | 5.30 | 5.71 |
| 6. | 0.820 | 4.50 | G3.31 | 3.31 | 5.30 | 3.31 | 5.92 | 2.30 | 1.47 | 1.60 | 1.87 | 4.10 | 4.30 | 5.10 |
| 7. | 1.02 | 3.90 | 2.95 | 2.95 | 5.50 | 3.31 | 6.13 | 2.78 | 1.47 | 1.73 | 1.73 | 2.61 | 3.90 | 4.70 |
| 8. | 2.61 | 3.13 | 2.01 | 2.95 | 4.90 | 3.13 | 5.10 | 4.10 | 1.60 | 1.73 | 1.87 | 2.30 | 4.30 | 4.30 |
| 9. | 2.61 | 2.78 | 1.73 | 3.13 | 4.70 | 3.13 | 4.90 | 2.61 | 1.60 | 1.73 | 1.73 | 1.87 | 10.2 | 3.90 |
| 10. | 1.73 | 2.45 | 1.73 | 6.13 | 4.30 | 2.95 | 5.30 | 2.45 | 2.01 | 3.13 | 1.87 | 1.60 | 7.20 | 3.70 |
| 11. | 1.47 | 2.30 | 1.73 | 4.90 | 3.90 | 2.95 | 13.3 | 2.30 | 2.30 | 6.13 | 2.78 | 1.47 | 10.8 | 3.31 |
| 12. | 1.24 | 2.15 | 1.73 | 4.90 | 3.70 | 2.78 | 7.64 | 2.30 | 1.35 | 8.10 | 1.87 | 1.47 | 8.78 | 2.95 |
| 13. | 1.24 | 2.01 | 1.73 | 5.50 | 3.70 | 2.95 | 6.34 | 2.45 | 1.35 | 5.10 | 1.87 | 1.47 | 6.55 | 2.78 |
| 14. | 1.02 | 2.01 | 1.73 | 4.90 | 4.10 | 3.50 | 5.50 | 2.45 | 1.60 | 3.90 | 1.87 | 1.47 | 5.50 | 2.78 |
| 15. | 1.02 | 2.01 | 1.60 | 4.30 | 4.10 | 3.50 | 4.70 | 2.61 | 1.35 | 3.31 | 1.87 | 1.35 | 4.90 | 2.78 |
| 16. | 1.02 | 1.73 | 2.01 | 3.90 | 4.10 | 3.70 | 4.30 | 2.61 | 1.35 | 2.95 | 1.73 | 1.60 | 4.30 | 2.78 |
| 17. | 1.02 | 1.73 | 1.60 | 3.90 | 3.90 | 3.31 | 3.90 | 2.15 | 4.10 | 2.61 | 1.73 | 1.60 | 4.30 | 3.70 |
| 18. | 0.920 | 1.60 | 1.60 | 3.70 | 3.70 | 3.31 | 3.70 | 2.01 | 9.60 | 2.45 | 1.87 | 1.60 | 3.70 | 2.78 |
| 19. | 0.920 | 1.60 | 1.60 | 3.90 | 6.76 | 3.50 | 3.50 | 1.87 | 4.10 | 2.30 | 1.87 | 1.87 | 3.50 | 2.61 |
| 20. | 0.920 | 1.73 | 3.13 | 7.42 | 5.71 | 3.31 | 3.31 | 2.15 | 3.13 | 2.15 | 1.87 | 1.73 | 3.13 | 2.61 |
| 21. | 0.920 | 1.60 | 14.0 | 7.64 | 6.34 | 3.13 | 3.31 | 2.15 | 2.78 | 2.01 | 1.87 | 1.73 | 3.13 | 2.45 |
| 22. | 1.24 | 1.73 | 10.8 | 5.92 | 6.76 | 3.31 | 2.95 | 2.15 | 2.45 | 2.15 | 2.01 | 2.30 | 2.95 | 5.71 |
| 23. | 1.73 | 1.60 | 7.64 | 7.42 | 6.55 | 3.31 | 3.13 | 2.01 | 2.01 | 2.30 | 2.01 | 2.78 | 2.95 | 17.2 |
| 24. | 1.47 | 1.73 | 6.98 | 6.98 | 5.71 | 3.50 | 2.95 | 2.01 | 2.15 | 2.30 | 1.87 | 2.45 | 2.78 | 5.71 |
| 25. | 1.47 | 2.01 | 6.76 | 6.76 | 5.50 | 3.50 | 2.95 | 1.87 | 1.87 | 2.15 | 1.87 | 2.15 | 2.61 | 4.50 |
| 26. | 1.73 | 2.30 | 6.13 | 16.3 | 5.30 | 3.50 | 2.78 | 1.73 | 1.73 | 2.01 | 2.01 | 2.15 | 2.61 | 6.34 |
| 27. | 1.73 | 1.87 | 11.1 | 17.2 | 4.90 | 3.90 | 2.95 | 1.73 | 1.73 | 2.01 | 1.87 | 2.30 | 2.45 | 14.6 |
| 28. | 2.15 | 2.95 | 9.20 | 12.0 | 4.70 | 4.50 | 3.13 | 1.73 | 1.60 | 2.95 | 1.73 | 3.70 | 2.30 | 7.87 |
| 29. | 2.61 | 2.45 | 7.64 | | 4.30 | 3.90 | 2.78 | 1.60 | 1.47 | 3.31 | 1.60 | 3.13 | 2.95 | 7.42 |
| 30. | 3.70 | 2.95 | 6.34 | | 4.10 | 3.90 | 2.61 | 1.47 | 1.35 | 2.45 | 1.60 | 2.78 | 12.8 | 33.6 |
| 31. | | 2.45 | 5.50 | | 3.90 | | 2.61 | | 1.35 | 2.15 | | 2.45 | | 31.8 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1. | 18.+ | 15.+ | 7.+ | 12.+ | 12. | 30.+ | 30. | 12.+ | 3.+ | 29.+ | 15. | 1.+ | 21. |
| NQ | 0.720 | 1.60 | 1.60 | 2.95 | 3.70 | 2.78 | 2.61 | 1.47 | 1.35 | 1.60 | 1.60 | 1.35 | 2.30 | 2.45 |
| MQ | 1.41 | 2.44 | 4.39 | 5.92 | 5.25 | 3.46 | 4.46 | 2.24 | 2.20 | 2.71 | 1.89 | 2.06 | 5.04 | 7.20 |
| HQ | 4.10 | 6.13 | 16.0 | 21.8 | 10.0 | 5.50 | 19.2 | 6.55 | 15.2 | 14.6 | 4.70 | 6.13 | 18.2 | 46.1 |
| Tag | 30. | 28. | 27. | 27. | 1. | 28. | 11. | 8. | 18. | 11. | 11. | 6. | 30. | 30. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 11 | 21 | 37 | 45 | 44 | 28 | 38 | 18 | 19 | 23 | 15 | 17 | 41 | 61 |

| | 1948/2001 | | 1949/2002 | | | | | | 54 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1953 | 1953 | 1954 | 1954 | 1959 | 1959 | 1954 | 1954 | 1959 | 1953 | 1959 | 1953 | 1953 | 1953 |
| NQ | 0.160 | 0.120 | 0.380 | 0.380 | 0.430 | 0.330 | 0.080 | 0.140 | 0.140 | 0.180 | 0.120 | 0.140 | 0.160 | 0.120 |
| MNQ | 0.907 | 1.20 | 1.46 | 1.75 | 1.96 | 2.26 | 1.55 | 1.19 | 0.937 | 0.798 | 0.731 | 0.792 | 0.938 | 1.24 |
| MQ | 1.55 | 2.59 | 3.14 | 3.46 | 4.00 | 3.44 | 2.39 | 1.94 | 1.59 | 1.17 | 1.02 | 1.21 | 1.63 | 2.71 |
| MHQ | 4.81 | 9.39 | 12.1 | 12.7 | 13.2 | 10.6 | 6.60 | 7.54 | 6.81 | 3.79 | 2.74 | 3.44 | 5.11 | 10.2 |
| HQ | 44.6 | 49.5 | 43.1 | 55.0 | 70.0 | 106 | 33.5 | 47.3 | 98.0 | 17.5 | 15.3 | 23.6 | 44.6 | 49.5 |
| Jahr | 1998 | 1988 | 1968 | 1970 | 1956 | 1983 | 1971 | 1975 | 1956 | 1981 | 1998 | 1998 | 1998 | 1988 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 13 | 22 | 26 | 26 | 34 | 28 | 20 | 16 | 13 | 10 | 8 | 10 | 13 | 23 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 0.720 | am 01.11.2001 | 0.720 | 1.35 |
| MQ m³/s | 3.19 | | 3.79 | 2.60 |
| HQ m³/s | 21.8 | am 27.02.2002 | 21.8 | 19.2 |
| Nq l/(skm²) | 2.26 | | 2.26 | 4.25 |
| Mq l/(skm²) | 10.0 | | 11.9 | 8.18 |
| Hq l/(skm²) | 68.6 | | 68.6 | 60.4 |
| $h_N$ mm | | | | |
| $h_A$ mm | 316 | | 186 | 130 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 1.35 | |
| 3.89 | |
| 46.1 | am 30.12.2002 |
| 4.25 | |
| 12.2 | |
| 145 | |
| | |
| 386 | |

| 1949/2002 (*) 54 Jahre | | | | 1949/2002 | |
|---|---|---|---|---|---|
| NQ m³/s | 0.080 | am 26.05.1954 | 0.080 | 0.080 | am 26.05.1954 |
| MNQ m³/s | 0.562 | | 0.642 | 0.595 | |
| MQ m³/s | 2.29 | | 1.55 | 2.30 | |
| MHQ m³/s | 28.4 | | 13.4 | 29.5 | |
| HQ m³/s | 106 | am 20.04.1983 | 98.0 | 106 | am 20.04.1983 |
| $HQ_1$ m³/s | | | | | |
| $HQ_5$ m³/s | | | | | |
| MNq l/(skm²) | 1.77 | | 2.02 | 1.87 | |
| Mq l/(skm²) | 7.20 | | 4.87 | 7.23 | |
| MHq l/(skm²) | 89.3 | | 42.1 | 92.8 | |
| $Mh_N$ mm | | | | | |
| $Mh_A$ mm | 227 | | 77 | 228 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.080 | 0.252 | 26.05.1954 | 106 | 333 | | 20.04.1983 |
| 2 | 0.120 | 0.377 | 09.09.1959 | 98.0 | 308 | | 15.07.1956 |
| 3 | 0.120 | 0.377 | 23.05.1959+ | 70.0 | 220 | | 02.03.1956 |
| 4 | 0.200 | 0.629 | 12.10.1958 | 55.0 | 173 | | 23.02.1970 |
| 5 | 0.230 | 0.723 | 01.08.1964 | 49.5 | 156 | | 19.12.1988 |
| 6 | 0.250 | 0.786 | 04.09.1963+ | 49.2 | 155 | | 16.03.1994 |
| 7 | 0.310 | 0.975 | 01.12.1949 | 49.2 | 155 | | 13.02.1962 |
| 8 | 0.320 | 1.01 | 08.08.1952+ | 47.3 | 149 | | 23.06.1975 |
| 9 | 0.330 | 1.04 | 21.11.1958+ | 46.1 | 145 | | 30.12.2002 |
| 10 | 0.360 | 1.13 | 29.06.1957 | 44.8 | 141 | | 04.06.1981 |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1949/2002 54 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 17.2 | 33.6 | 49.2 | 20.2 | 5.06 |
| 363 | 16.3 | 31.8 | 31.8 | 16.2 | 5.06 |
| 362 | 14.0 | 31.8 | 31.8 | 13.8 | 5.06 |
| 361 | 13.3 | 31.8 | 31.8 | 12.4 | 4.40 |
| 360 | 12.0 | 16.3 | 25.6 | 11.6 | 4.38 |
| 359 | 11.1 | 14.6 | 23.8 | 10.8 | 3.80 |
| 358 | 10.8 | 14.0 | 23.6 | 10.0 | 3.75 |
| 357 | 9.60 | 13.3 | 23.2 | 9.44 | 3.64 |
| 356 | 9.60 | 12.8 | 20.8 | 8.95 | 3.38 |
| 350 | 8.10 | 10.2 | 15.4 | 7.02 | 2.64 |
| 340 | 6.98 | 7.87 | 10.5 | 5.51 | 2.22 |
| 330 | 6.13 | 7.20 | 9.12 | 4.70 | 1.64 |
| 320 | 5.71 | 6.55 | 8.50 | 4.14 | 1.58 |
| 300 | 4.50 | 5.71 | 7.16 | 3.32 | 1.20 |
| 270 | 3.90 | 4.50 | 5.66 | 2.59 | 0.920 |
| 240 | 3.50 | 4.10 | 4.75 | 2.08 | 0.770 |
| 210 | 3.13 | 3.50 | 3.86 | 1.75 | 0.690 |
| 183 | 2.61 | 3.13 | 3.66 | 1.55 | 0.580 |
| 150 | 2.30 | 2.78 | 3.02 | 1.27 | 0.500 |
| 130 | 2.15 | 2.45 | 2.70 | 1.15 | 0.470 |
| 120 | 2.15 | 2.45 | 2.54 | 1.11 | 0.390 |
| 110 | 2.01 | 2.30 | 2.38 | 1.04 | 0.390 |
| 100 | 2.01 | 2.15 | 2.25 | 1.00 | 0.390 |
| 90 | 1.87 | 2.15 | 2.25 | 0.930 | 0.380 |
| 80 | 1.87 | 2.01 | 2.06 | 0.890 | 0.380 |
| 70 | 1.87 | 2.01 | 2.06 | 0.850 | 0.330 |
| 60 | 1.73 | 1.87 | 2.06 | 0.810 | 0.330 |
| 50 | 1.73 | 1.87 | 2.05 | 0.750 | 0.280 |
| 40 | 1.73 | 1.87 | 1.95 | 0.730 | 0.280 |
| 30 | 1.60 | 1.73 | 1.95 | 0.680 | 0.250 |
| 25 | 1.60 | 1.73 | 1.95 | 0.640 | 0.250 |
| 20 | 1.47 | 1.73 | 1.95 | 0.620 | 0.250 |
| 15 | 1.35 | 1.60 | 1.85 | 0.560 | 0.220 |
| 10 | 1.24 | 1.60 | 1.85 | 0.510 | 0.220 |
| 9 | 1.02 | 1.60 | 1.75 | 0.500 | 0.200 |
| 8 | 1.02 | 1.60 | 1.75 | 0.460 | 0.200 |
| 7 | 1.02 | 1.60 | 1.75 | 0.460 | 0.180 |
| 6 | 1.02 | 1.47 | 1.75 | 0.440 | 0.180 |
| 5 | 0.920 | 1.47 | 1.75 | 0.420 | 0.160 |
| 4 | 0.920 | 1.47 | 1.75 | 0.390 | 0.160 |
| 3 | 0.920 | 1.47 | 1.75 | 0.350 | 0.120 |
| 2 | 0.920 | 1.47 | 1.65 | 0.310 | 0.120 |
| 1 | 0.920 | 1.47 | 1.65 | 0.230 | 0.120 |
| 0 | 0.720 | 1.35 | 1.46 | 0.080 | 0.080 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

2 Tage Grundeis

$A_{Eo}$ : 524 km²

PNP : NN + 172.53 m

Lage: 29.5 km oberhalb Mündung links

Q

m³/s

Pegel : Hachelbich Nr. 575240

Gewässer : Wipper

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.930 | 3.35 | 3.16 | 6.40 | 11.1 | 4.73 | 4.50 | 3.16 | 2.40 | 2.59 | 3.16 | 2.02 | 3.35 | 12.6 |
| 2. | 0.930 | 4.27 | 3.16 | 5.90 | 9.76 | 4.50 | 4.27 | 3.16 | 2.78 | 2.78 | 3.16 | 1.83 | 4.96 | 9.50 |
| 3. | 0.930 | 4.04 | 2.97 | 5.42 | 8.46 | 4.50 | 4.27 | 3.16 | 2.78 | 2.59 | 2.97 | 1.83 | 7.42 | 8.46 |
| 4. | 0.930 | 3.58 | R 3.81 | 4.50 | 8.46 | 4.50 | 6.15 | 2.97 | 2.59 | 2.59 | 2.97 | 2.21 | 10.5 | 7.68 |
| 5. | 0.930 | 3.58 | R 3.35 | 3.81 | 7.16 | 4.50 | 7.16 | 2.97 | 2.59 | 2.78 | 2.78 | 2.02 | 6.90 | 7.16 |
| 6. | 0.930 | 4.50 | D 3.35 | 3.81 | 6.65 | 4.04 | 6.40 | 2.78 | 2.40 | 2.59 | 2.59 | 4.27 | 5.42 | 6.65 |
| 7. | 1.19 | 4.73 | D 2.78 | 3.58 | 6.65 | 4.04 | 7.68 | 2.97 | 2.40 | 2.59 | 2.59 | 4.27 | 4.96 | 6.40 |
| 8. | 2.59 | 4.04 | R 2.59 | 3.35 | 6.40 | 3.81 | 6.40 | 5.42 | 2.40 | 2.59 | 2.59 | 3.16 | 5.19 | 5.90 |
| 9. | 3.58 | 3.58 | R 2.59 | 3.35 | 5.65 | 3.81 | 6.15 | 3.81 | 2.40 | 2.59 | 2.59 | 2.78 | 9.76 | 5.42 |
| 10. | 2.21 | 3.35 | R 2.40 | 6.15 | 5.42 | 3.81 | 5.90 | 3.16 | 3.35 | 2.59 | 2.59 | 2.40 | 9.24 | T 5.19 |
| 11. | 1.83 | 3.16 | R 2.21 | 5.65 | 4.96 | 3.58 | 13.2 | 3.16 | 4.96 | 8.72 | 4.04 | 2.21 | 10.3 | T 4.73 |
| 12. | 1.64 | 2.97 | R 2.21 | 5.42 | 4.96 | 3.58 | 9.24 | 2.97 | 2.59 | 9.24 | 2.78 | 2.21 | 10.5 | T 4.73 |
| 13. | 1.64 | 2.78 | 2.02 | 5.65 | 4.73 | 3.58 | 7.68 | 2.97 | 2.02 | 8.46 | 2.40 | 2.21 | 8.20 | T 4.73 |
| 14. | 1.45 | 2.59 | 2.02 | 5.65 | 4.96 | 4.27 | 6.90 | 3.16 | 2.78 | 6.65 | 2.40 | 2.21 | 6.90 | T 4.50 |
| 15. | 1.45 | 2.78 | 2.02 | 4.73 | 4.96 | 4.50 | 6.15 | 3.35 | 2.40 | 5.65 | 2.40 | 2.21 | 6.40 | 4.27 |
| 16. | 1.32 | 2.59 | 2.21 | 4.50 | 4.96 | 4.73 | 5.65 | 3.81 | 2.02 | 4.96 | 2.40 | 2.21 | 5.65 | 4.27 |
| 17. | 1.32 | 2.40 | 2.02 | 4.27 | 4.96 | 4.50 | 5.42 | 2.97 | 5.19 | 4.50 | 2.21 | 2.21 | 5.42 | 5.19 |
| 18. | 1.32 | 2.40 | 1.83 | 4.04 | 4.73 | 4.27 | 5.19 | 2.78 | 12.0 | 4.27 | 2.21 | 2.21 | 4.96 | 4.27 |
| 19. | 1.32 | 2.40 | 1.83 | 4.04 | 7.42 | 4.04 | 4.96 | 2.78 | 6.40 | 3.58 | 2.21 | 2.40 | 4.73 | 3.81 |
| 20. | 1.32 | 2.40 | 2.59 | 7.16 | 6.90 | 4.27 | 4.73 | 2.78 | 4.73 | 3.35 | 2.21 | 2.59 | 4.27 | 3.16 |
| 21. | 1.32 | 2.21 | 11.4 | 8.98 | 7.16 | 4.04 | 4.27 | 2.78 | 4.27 | 3.35 | 2.21 | 2.21 | 4.04 | 3.16 |
| 22. | 1.19 | 2.21 | 13.2 | 6.65 | 7.68 | 3.81 | 3.81 | 2.78 | 4.04 | 3.35 | 2.21 | 2.97 | 4.04 | 3.58 |
| 23. | 2.40 | 2.21 | 10.5 | 7.68 | 7.94 | 4.04 | 3.81 | 2.78 | 3.35 | 3.35 | 2.59 | 3.58 | 3.81 | 17.1 |
| 24. | 2.21 | D 1.83 | 9.24 | 7.94 | 6.90 | 4.04 | 3.81 | 2.78 | 3.16 | 3.81 | 2.21 | 3.58 | 3.58 | 6.90 |
| 25. | 2.02 | D 2.40 | 9.24 | 7.42 | 6.65 | 4.04 | 3.58 | 2.59 | 3.16 | 3.58 | 2.21 | 2.97 | 3.58 | 6.15 |
| 26. | 2.21 | R 3.16 | 8.46 | 15.0 | 6.65 | 4.04 | 3.58 | 2.59 | 2.97 | 3.35 | 2.21 | 3.16 | 3.35 | 6.40 |
| 27. | 2.40 | 2.78 | 11.4 | 18.6 | 5.65 | 4.50 | 3.58 | 2.59 | 2.97 | 3.35 | 2.21 | 2.97 | 3.16 | 16.8 |
| 28. | 2.78 | 2.40 | 11.4 | 14.1 | 5.42 | 5.42 | 3.81 | 2.59 | 2.78 | 4.27 | 2.21 | 4.50 | 3.16 | 12.3 |
| 29. | 3.16 | 5.65 | 9.76 | | 5.19 | 4.73 | 3.58 | 2.59 | 2.40 | 5.19 | 2.02 | 4.50 | 3.35 | 10.3 |
| 30. | 3.58 | 4.50 | 8.20 | | 4.96 | 4.73 | 3.35 | 2.59 | 2.21 | 3.81 | 2.02 | 3.81 | 12.0 | 27.5 |
| 31. | | 3.58 | 7.16 | | 4.73 | | 3.35 | | 2.40 | 3.35 | | 3.58 | | 43.9 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1.+ | 24. | 18.+ | 8.+ | 13.+ | 11.+ | 30.+ | 25.+ | 13.+ | 1.+ | 29.+ | 2.+ | 27.+ | 20.+ |
| NQ | 0.930 | 1.83 | 1.83 | 3.35 | 4.73 | 3.58 | 3.35 | 2.59 | 2.02 | 2.59 | 2.02 | 1.83 | 3.16 | 3.16 |
| MQ | 1.77 | 3.17 | 5.20 | 6.56 | 6.39 | 4.23 | 5.44 | 3.03 | 3.38 | 4.08 | 2.51 | 2.82 | 5.97 | 8.80 |
| HQ | 4.04 | 7.16 | 18.0 | 22.2 | 12.3 | 5.90 | 19.5 | 6.90 | 16.8 | 16.5 | 5.42 | 6.90 | 18.9 | 63.6 |
| Tag | 9. | 29. | 27. | 27. | 1. | 28. | 11. | 8. | 18. | 11. | 11. | 6. | 30. | 31. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 9 | 16 | 27 | 30 | 33 | 21 | 28 | 15 | 17 | 21 | 12 | 14 | 30 | 45 |

| | 1961/2001 | | 1962/2002 | | | | | | 41 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1976 | 1976+ | 1977+ | 1996 | 1963+ | 1996 | 1963 | 1976 | 1976 | 1976 | 1976 | 1976 | 1976 | 1976+ |
| NQ | 0.680 | 0.800 | 0.800 | 0.800 | 0.930 | 1.32 | 1.12 | 0.920 | 0.680 | 0.570 | 0.680 | 0.570 | 0.680 | 0.800 |
| MNQ | 1.43 | 1.81 | 2.18 | 2.65 | 3.04 | 3.53 | 2.40 | 1.96 | 1.52 | 1.33 | 1.26 | 1.23 | 1.49 | 1.84 |
| MQ | 2.23 | 3.67 | 4.29 | 4.70 | 5.74 | 5.10 | 3.47 | 2.86 | 2.16 | 1.81 | 1.63 | 1.72 | 2.34 | 3.77 |
| MHQ | 5.91 | 12.5 | 13.5 | 13.8 | 15.8 | 11.4 | 8.45 | 9.33 | 5.89 | 5.55 | 3.99 | 4.51 | 6.30 | 13.5 |
| HQ | 46.9 | 73.0 | 50.5 | 60.1 | 70.8 | 81.2 | 30.7 | 49.9 | 16.8 | 27.6 | 13.8 | 21.0 | 46.9 | 73.0 |
| Jahr | 1998 | 1988 | 1968 | 1970 | 1994 | 1983 | 1971 | 1975 | 2002 | 1970 | 1998 | 1998 | 1998 | 1988 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 11 | 19 | 22 | 22 | 29 | 25 | 18 | 14 | 11 | 9 | 8 | 9 | 12 | 19 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 0.930 | am 01.11.2001 | 0.930 | 1.83 |
| MQ m³/s | 4.04 | | 4.54 | 3.55 |
| HQ m³/s | 22.2 | am 27.02.2002 | 22.2 | 19.5 |
| Nq l/(s km²) | 1.77 | | 1.77 | 3.49 |
| Mq l/(s km²) | 7.71 | | 8.66 | 6.77 |
| Hq l/(s km²) | 42.4 | | 42.4 | 37.2 |
| $h_N$ mm | | | | |
| $h_A$ mm | 243 | | 135 | 108 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 1.83 | am 18.01.2002 |
| 4.86 | |
| 63.6 | am 31.12.2002 |
| 3.49 | |
| 9.27 | |
| 121 | |
| 292 | |

### 1962/2002 (*) 41 Jahre

| | | | | |
|---|---|---|---|---|
| NQ m³/s | 0.570 | am 22.08.1976 | 0.680 | 0.570 |
| MNQ m³/s | 0.955 | | 1.31 | 1.09 |
| MQ m³/s | 3.27 | | 4.29 | 2.27 |
| MHQ m³/s | 30.1 | | 28.1 | 13.2 |
| HQ m³/s | 81.2 | am 20.04.1983 | 81.2 | 49.9 |
| $HQ_1$ m³/s | | | | |
| $HQ_5$ m³/s | | | | |
| MNq l/(s km²) | 1.82 | | 2.50 | 2.08 |
| Mq l/(s km²) | 6.24 | | 8.19 | 4.33 |
| MHq l/(s km²) | 57.4 | | 53.6 | 25.2 |
| $Mh_N$ mm | | | | |
| $Mh_A$ mm | 197 | | 128 | 69 |

### 1962/2002

| | |
|---|---|
| 0.570 | am 22.08.1976 |
| 1.03 | |
| 3.29 | |
| 31.6 | |
| 81.2 | am 20.04.1983 |
| 1.97 | |
| 6.28 | |
| 60.3 | |
| 198 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1962/2002 41 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 18.6 | 43.9 | 52.6 | 22.2 | 7.68 |
| 363 | 15.0 | 27.5 | 45.9 | 18.8 | 6.90 |
| 362 | 14.1 | 18.6 | 31.6 | 17.0 | 6.55 |
| 361 | 14.1 | 17.1 | 31.1 | 15.1 | 5.97 |
| 360 | 14.1 | 16.8 | 27.4 | 14.7 | 5.78 |
| 359 | 12.0 | 15.0 | 26.5 | 13.6 | 5.50 |
| 358 | 12.0 | 14.1 | 25.1 | 12.9 | 5.50 |
| 357 | 12.0 | 14.1 | 25.1 | 12.4 | 5.50 |
| 356 | 12.0 | 14.1 | 24.6 | 11.8 | 4.68 |
| 350 | 9.76 | 12.0 | 18.6 | 9.76 | 3.65 |
| 340 | 8.20 | 10.3 | 15.0 | 7.80 | 3.28 |
| 330 | 7.42 | 8.72 | 12.6 | 6.85 | 2.76 |
| 320 | 6.90 | 7.94 | 10.3 | 5.96 | 2.60 |
| 300 | 5.90 | 6.90 | 8.72 | 4.83 | 2.30 |
| 270 | 4.96 | 5.65 | 7.42 | 3.83 | 1.89 |
| 240 | 4.50 | 4.96 | 6.40 | 3.10 | 1.63 |
| 210 | 4.04 | 4.50 | 5.65 | 2.60 | 1.43 |
| 183 | 3.58 | 4.04 | 4.96 | 2.28 | 1.17 |
| 150 | 3.16 | 3.81 | 4.04 | 2.02 | 1.04 |
| 130 | 2.97 | 3.35 | 3.50 | 1.77 | 1.04 |
| 120 | 2.97 | 3.35 | 3.50 | 1.67 | 1.04 |
| 110 | 2.78 | 3.16 | 3.30 | 1.64 | 1.04 |
| 100 | 2.78 | 3.16 | 3.30 | 1.50 | 1.04 |
| 90 | 2.78 | 2.97 | 3.05 | 1.48 | 1.04 |
| 80 | 2.59 | 2.78 | 3.05 | 1.43 | 0.920 |
| 70 | 2.59 | 2.78 | 3.05 | 1.37 | 0.920 |
| 60 | 2.40 | 2.78 | 2.85 | 1.31 | 0.920 |
| 50 | 2.40 | 2.59 | 2.85 | 1.25 | 0.920 |
| 40 | 2.40 | 2.59 | 2.65 | 1.23 | 0.920 |
| 30 | 2.21 | 2.40 | 2.65 | 1.13 | 0.920 |
| 25 | 2.21 | 2.40 | 2.45 | 1.12 | 0.920 |
| 20 | 2.02 | 2.40 | 2.45 | 1.06 | 0.800 |
| 15 | 1.64 | 2.40 | 2.45 | 1.00 | 0.800 |
| 10 | 1.45 | 2.21 | 2.45 | 1.00 | 0.800 |
| 9 | 1.45 | 2.21 | 2.45 | 0.930 | 0.800 |
| 8 | 1.45 | 2.21 | 2.25 | 0.930 | 0.800 |
| 7 | 1.32 | 2.21 | 2.25 | 0.930 | 0.800 |
| 6 | 1.32 | 2.21 | 2.25 | 0.920 | 0.800 |
| 5 | 1.19 | 2.21 | 2.25 | 0.830 | 0.800 |
| 4 | 1.19 | 2.21 | 2.25 | 0.820 | 0.800 |
| 3 | 1.19 | 2.02 | 2.25 | 0.820 | 0.800 |
| 2 | 1.19 | 2.02 | 2.25 | 0.820 | 0.800 |
| 1 | 1.19 | 2.02 | 2.25 | 0.820 | 0.680 |
| 0 | 0.930 | 1.83 | 1.90 | 0.570 | 0.570 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(s km²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(s km²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.570 | 1.09 | 22.08.1976+ | 81.2 | 155 | | 20.04.1983+ |
| 2 | 0.680 | 1.30 | 07.08.1974+ | 73.0 | 139 | | 20.12.1988 |
| 3 | 0.720 | 1.37 | 01.10.1971+ | 70.8 | 135 | | 16.03.1994 |
| 4 | 0.730 | 1.39 | 02.09.1973 | 63.6 | 121 | | 31.12.2002 |
| 5 | 0.780 | 1.49 | 25.07.1963+ | 60.1 | 115 | | 23.02.1970 |
| 6 | 0.800 | 1.53 | 31.10.2001 | 50.5 | 96.4 | | 16.01.1968 |
| 7 | 0.800 | 1.53 | 08.08.1998+ | 49.9 | 95.2 | | 23.06.1975 |
| 8 | 0.800 | 1.53 | 23.01.1996+ | 47.6 | 90.8 | | 05.06.1981 |
| 9 | 0.800 | 1.53 | 28.08.1991+ | 47.5 | 90.6 | | 31.12.1986 |
| 10 | 0.800 | 1.53 | 26.10.1990 | 46.9 | 89.5 | | 02.11.1998 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

4 Tage Eisdecke/Eisstand, 8 Tage Randeis, 5 Tage Treibeis/Eisgang

$A_{Eo}$ : 104 km²

PNP : NN + 224.75 m

Lage: 1.5 km oberhalb Mündung links

Q

m³/s

Pegel : Bleicherode Nr. 575250

Gewässer : Bode

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.250 | 1.21 | 0.930 | 2.26 | 2.61 | 1.49 | 1.35 | 1.14 | 1.21 | 0.930 | 0.580 | 0.510 | 0.510 | 2.82 |
| 2. | 0.250 | 1.56 | 0.790 | 1.49 | 2.33 | 1.49 | 1.28 | 1.14 | 1.21 | 0.720 | 0.580 | 0.510 | 0.510 | 2.40 |
| 3. | 0.250 | 1.35 | 0.720 | 1.42 | 2.05 | 1.07 | 1.28 | 1.07 | 1.14 | 0.650 | 0.580 | 0.510 | 0.510 | 2.05 |
| 4. | 0.250 | 1.21 | 0.650 | 1.21 | 1.84 | 1.07 | 1.91 | 1.07 | 1.14 | 0.650 | 0.580 | 0.650 | 2.05 | 1.77 |
| 5. | 0.250 | 1.21 | 0.650 | 1.14 | 1.63 | 1.00 | 1.98 | 1.00 | 1.14 | 0.650 | 0.510 | 0.650 | 1.56 | 1.63 |
| 6. | 0.250 | 1.77 | 0.650 | 1.14 | 1.49 | 1.00 | 2.05 | 1.00 | 0.720 | 0.650 | 0.510 | 1.63 | 1.28 | 1.49 |
| 7. | 0.300 | 1.63 | 0.650 | 1.00 | 1.63 | 1.00 | 2.12 | 1.14 | 0.720 | 0.650 | 0.510 | 1.14 | 1.14 | 1.35 |
| 8. | 1.21 | 1.35 | 0.650 | 1.00 | 1.49 | 0.930 | 1.84 | 1.56 | 0.720 | 0.580 | 0.510 | 0.930 | 1.21 | 1.21 |
| 9. | 1.14 | 1.21 | 0.650 | 1.14 | 1.42 | 0.930 | 1.70 | 1.07 | 0.720 | 0.580 | 0.510 | 0.790 | 2.33 | 1.07 |
| 10. | 0.720 | 1.07 | 0.580 | 2.47 | 1.28 | 0.930 | 1.56 | 0.930 | 0.790 | 1.49 | 0.510 | 0.650 | 1.98 | 1.00 |
| 11. | 0.580 | 1.00 | 0.580 | 2.05 | 1.21 | 1.00 | 2.61 | 0.930 | 0.650 | 2.26 | 0.650 | 0.510 | 2.75 | 1.00 |
| 12. | 0.510 | 0.930 | 0.580 | 1.84 | 1.14 | 1.00 | 1.98 | 1.00 | 0.580 | 2.89 | 0.510 | 0.510 | 2.47 | 1.07 |
| 13. | 0.510 | 0.860 | 0.580 | 1.98 | 1.14 | 0.930 | 1.77 | 0.930 | 0.580 | 2.12 | 0.510 | 0.510 | 1.91 | 1.07 |
| 14. | 0.440 | 0.790 | 0.580 | 1.70 | 1.14 | 1.00 | 1.63 | 1.00 | 0.650 | 1.70 | 0.510 | 0.440 | 1.63 | 1.07 |
| 15. | 0.440 | 0.790 | 0.510 | 1.56 | 1.14 | 1.07 | 1.42 | 0.930 | 0.580 | 1.49 | 0.510 | 0.440 | 1.42 | 0.930 |
| 16. | 0.370 | 0.720 | 0.510 | 1.42 | 1.14 | 1.14 | 1.42 | 0.860 | 0.650 | 1.28 | 0.510 | 0.440 | 1.28 | 0.860 |
| 17. | 0.370 | 0.650 | 0.510 | 1.35 | 1.14 | 1.14 | 1.35 | 0.930 | 1.21 | 1.14 | 0.510 | 0.440 | 1.35 | 1.07 |
| 18. | 0.370 | 0.650 | 0.510 | 1.28 | 1.14 | 1.07 | 1.35 | 0.860 | 2.33 | 1.07 | 0.510 | 0.510 | 1.14 | 0.720 |
| 19. | 0.370 | 0.650 | 0.510 | 1.35 | 1.84 | 1.14 | 1.28 | 0.860 | 1.49 | 0.930 | 0.510 | 0.650 | 1.07 | 0.720 |
| 20. | 0.370 | 0.720 | 1.14 | 2.54 | 1.70 | 1.07 | 1.28 | 0.860 | 1.14 | 0.930 | 0.510 | 0.720 | 1.00 | 0.650 |
| 21. | 0.300 | 0.650 | 4.22 | 2.40 | 1.91 | 1.07 | 1.28 | 0.790 | 1.07 | 0.860 | 0.510 | 0.650 | 0.930 | 0.580 |
| 22. | 0.440 | 0.650 | 3.24 | 1.91 | 1.98 | 1.07 | 1.28 | 0.790 | 1.00 | 0.860 | 0.580 | 0.720 | 0.860 | 1.98 |
| 23. | 0.860 | 0.580 | 2.75 | 2.33 | 1.98 | 1.07 | 1.21 | 0.720 | 0.860 | 0.860 | 0.580 | 0.930 | 0.860 | 2.75 |
| 24. | 0.720 | 0.580 | 2.54 | 2.05 | 1.77 | 1.07 | 1.14 | 0.720 | 0.860 | 0.860 | 0.510 | 1.00 | 0.790 | 1.28 |
| 25. | 0.720 | 0.860 | 2.47 | 2.05 | 1.70 | 1.07 | 1.14 | 0.720 | 0.790 | 0.720 | 0.510 | 0.930 | 0.790 | 1.07 |
| 26. | 0.790 | 0.930 | 2.19 | 3.87 | 1.49 | 1.07 | 1.14 | 0.650 | 0.720 | 0.720 | 0.510 | 0.860 | 0.790 | 1.70 |
| 27. | 0.790 | 0.790 | 3.17 | 4.08 | 1.35 | 1.28 | 1.14 | 0.720 | 0.720 | 0.650 | 0.510 | 0.790 | 0.720 | 3.73 |
| 28. | 0.930 | 1.49 | 2.89 | 3.10 | 1.28 | 1.49 | 1.14 | 0.650 | 0.650 | 0.720 | 0.510 | 1.42 | 0.650 | 2.68 |
| 29. | 1.14 | 1.63 | 2.40 | | 1.21 | 1.35 | 1.14 | 0.720 | 0.720 | 0.720 | 0.510 | 1.35 | 0.930 | 2.54 |
| 30. | 1.42 | 1.21 | 2.12 | | 1.21 | 1.35 | 1.14 | 0.720 | 0.650 | 0.650 | 0.510 | 1.21 | 3.24 | 11.1 |
| 31. | | 1.07 | 1.84 | | 1.14 | | 1.07 | | 0.650 | 0.650 | | 1.00 | | 5.34 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1.+ | 23.+ | 15.+ | 7.+ | 12.+ | 8.+ | 31. | 26.+ | 12.+ | 8.+ | 5.+ | 14.+ | 1.+ | 21. |
| NQ | 0.250 | 0.580 | 0.510 | 1.00 | 1.14 | 0.930 | 1.07 | 0.650 | 0.580 | 0.580 | 0.510 | 0.440 | 0.510 | 0.580 |
| MQ | 0.577 | 1.02 | 1.38 | 1.90 | 1.53 | 1.11 | 1.48 | 0.916 | 0.905 | 1.02 | 0.529 | 0.774 | 1.32 | 1.96 |
| HQ | 1.70 | 2.61 | 4.71 | 5.34 | 2.82 | 1.77 | 4.43 | 2.40 | 3.66 | 5.13 | 0.930 | 2.40 | 4.22 | 17.0 |
| Tag | 8. | 28. | 27. | 27. | 1. | 27.+ | 11. | 7. | 18. | 10. | 11. | 6. | 30. | 30. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 14 | 26 | 36 | 44 | 39 | 28 | 38 | 23 | 23 | 26 | 13 | 20 | 33 | 50 |

| | 1951/2001 | | 1952/2002 | | | | | | 51 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1953 | 1953 | 1977 | 1963 | 1996 | 1953 | 1960 | 1954 | 1963 | 1952+ | 1997 | 1953 | 1953 | 1953 |
| NQ | 0.110 | 0.090 | 0.080 | 0.070 | 0.100 | 0.160 | 0.160 | 0.110 | 0.060 | 0.080 | 0.050 | 0.090 | 0.110 | 0.090 |
| MNQ | 0.301 | 0.437 | 0.493 | 0.619 | 0.646 | 0.700 | 0.496 | 0.360 | 0.273 | 0.222 | 0.222 | 0.246 | 0.306 | 0.443 |
| MQ | 0.602 | 1.08 | 1.22 | 1.29 | 1.51 | 1.22 | 0.810 | 0.695 | 0.495 | 0.363 | 0.341 | 0.439 | 0.621 | 1.11 |
| MHQ | 2.28 | 5.31 | 5.57 | 4.51 | 6.00 | 4.25 | 2.73 | 3.97 | 2.38 | 1.47 | 1.06 | 1.43 | 2.34 | 5.63 |
| HQ | 25.5 | 41.4 | 37.6 | 23.4 | 31.3 | 52.6 | 33.3 | 37.7 | 20.8 | 6.17 | 6.53 | 12.6 | 25.5 | 41.4 |
| Jahr | 1998 | 1988 | 1968 | 1970 | 1956 | 1983 | 1971 | 1975 | 1955 | 1981 | 1998 | 1998 | 1998 | 1988 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 15 | 28 | 31 | 30 | 39 | 30 | 21 | 17 | 13 | 9 | 8 | 11 | 15 | 29 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 0.250 | am 01.11.2001 | 0.250 | 0.440 |
| MQ m³/s | 1.09 | | 1.25 | 0.940 |
| HQ m³/s | 5.34 | am 27.02.2002 | 5.34 | 5.13 |
| Nq l/(skm²) | 2.40 | | 2.40 | 4.23 |
| Mq l/(skm²) | 10.5 | | 12.0 | 9.04 |
| Hq l/(skm²) | 51.3 | | 51.3 | 49.3 |
| $h_N$ mm | | | | |
| $h_A$ mm | 331 | | 188 | 144 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.440 | am 14.10.2002 |
| 1.23 | |
| 17.0 | am 30.12.2002 |
| 4.23 | |
| 11.8 | |
| 163 | |
| 373 | |

### 1952/2002 (*) 51 Jahre

| | | | | |
|---|---|---|---|---|
| NQ m³/s | 0.050 | am 17.09.1997 | 0.070 | 0.050 |
| MNQ m³/s | 0.154 | | 0.260 | 0.179 |
| MQ m³/s | 0.836 | | 1.15 | 0.524 |
| MHQ m³/s | 14.3 | | 12.3 | 6.21 |
| HQ m³/s | 52.6 | am 20.04.1983 | 52.6 | 37.7 |
| $HQ_1$ m³/s | | | | |
| $HQ_5$ m³/s | | | | |
| MNq l/(skm²) | 1.48 | | 2.50 | 1.72 |
| Mq l/(skm²) | 8.04 | | 11.1 | 5.04 |
| MHq l/(skm²) | 138 | | 118 | 59.7 |
| $Mh_N$ mm | | | | |
| $Mh_A$ mm | 254 | | 173 | 80 |

### 1952/2002

| | | |
|---|---|---|
| 0.050 | am 17.09.1997 | |
| 0.166 | | |
| 0.841 | | |
| 14.9 | | |
| 52.6 | am 20.04.1983 | |
| | | |
| | | |
| 1.60 | | |
| 8.09 | | |
| 143 | | |
| | | |
| 255 | | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.050 | 0.481 | 17.09.1997 | 52.6 | 506 | | 20.04.1983 |
| 2 | 0.060 | 0.577 | 30.07.1963 | 41.4 | 398 | | 19.12.1988 |
| 3 | 0.070 | 0.673 | 12.02.1963 | 37.7 | 362 | | 23.06.1975 |
| 4 | 0.070 | 0.673 | 10.09.1953+ | 37.6 | 362 | | 15.01.1968 |
| 5 | 0.070 | 0.673 | 22.07.1952+ | 33.8 | 325 | | 04.06.1981 |
| 6 | 0.080 | 0.769 | 22.01.1977 | 33.3 | 320 | | 19.05.1971 |
| 7 | 0.080 | 0.769 | 25.09.1963 | 31.3 | 301 | | 04.03.1956 |
| 8 | 0.090 | 0.865 | 15.08.1953+ | 25.5 | 245 | | 01.11.1998 |
| 9 | 0.100 | 0.962 | 19.03.1996 | 24.4 | 235 | | 16.03.1994 |
| 10 | 0.100 | 0.962 | 07.10.1962+ | 23.4 | 225 | | 23.02.1970 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1952/2002 51 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 4.22 | 11.1 | 19.1 | 8.05 | 1.89 |
| 363 | 4.08 | 5.34 | 15.0 | 6.30 | 1.89 |
| 362 | 3.87 | 4.22 | 15.0 | 5.48 | 1.88 |
| 361 | 3.24 | 4.08 | 11.5 | 4.86 | 1.88 |
| 360 | 3.17 | 3.87 | 11.1 | 4.50 | 1.63 |
| 359 | 3.10 | 3.73 | 9.63 | 4.12 | 1.51 |
| 358 | 3.10 | 3.73 | 9.00 | 3.87 | 1.39 |
| 357 | 3.10 | 3.73 | 8.70 | 3.66 | 1.33 |
| 356 | 2.75 | 3.17 | 8.26 | 3.47 | 1.33 |
| 350 | 2.54 | 2.82 | 6.41 | 2.76 | 1.15 |
| 340 | 2.19 | 2.54 | 4.69 | 2.18 | 0.780 |
| 330 | 2.05 | 2.19 | 4.15 | 1.84 | 0.720 |
| 320 | 1.84 | 2.12 | 3.55 | 1.58 | 0.570 |
| 300 | 1.56 | 1.77 | 2.96 | 1.26 | 0.390 |
| 270 | 1.35 | 1.49 | 2.41 | 0.960 | 0.340 |
| 240 | 1.21 | 1.28 | 2.08 | 0.760 | 0.330 |
| 210 | 1.14 | 1.21 | 1.83 | 0.630 | 0.270 |
| 183 | 1.07 | 1.14 | 1.67 | 0.520 | 0.230 |
| 150 | 0.930 | 1.00 | 1.30 | 0.430 | 0.200 |
| 130 | 0.790 | 0.930 | 1.03 | 0.380 | 0.170 |
| 120 | 0.790 | 0.860 | 0.860 | 0.350 | 0.170 |
| 110 | 0.790 | 0.790 | 0.800 | 0.330 | 0.170 |
| 100 | 0.720 | 0.790 | 0.800 | 0.310 | 0.150 |
| 90 | 0.720 | 0.790 | 0.790 | 0.310 | 0.150 |
| 80 | 0.720 | 0.720 | 0.750 | 0.270 | 0.150 |
| 70 | 0.650 | 0.720 | 0.720 | 0.260 | 0.150 |
| 60 | 0.650 | 0.720 | 0.720 | 0.250 | 0.150 |
| 50 | 0.580 | 0.650 | 0.660 | 0.240 | 0.140 |
| 40 | 0.580 | 0.580 | 0.660 | 0.210 | 0.140 |
| 30 | 0.580 | 0.580 | 0.620 | 0.210 | 0.110 |
| 25 | 0.580 | 0.580 | 0.580 | 0.190 | 0.110 |
| 20 | 0.580 | 0.580 | 0.580 | 0.180 | 0.110 |
| 15 | 0.510 | 0.580 | 0.580 | 0.170 | 0.100 |
| 10 | 0.440 | 0.580 | 0.580 | 0.150 | 0.100 |
| 9 | 0.440 | 0.580 | 0.580 | 0.150 | 0.100 |
| 8 | 0.440 | 0.580 | 0.580 | 0.150 | 0.090 |
| 7 | 0.370 | 0.580 | 0.580 | 0.150 | 0.090 |
| 6 | 0.370 | 0.580 | 0.580 | 0.150 | 0.090 |
| 5 | 0.300 | 0.580 | 0.580 | 0.140 | 0.090 |
| 4 | 0.300 | 0.580 | 0.580 | 0.140 | 0.090 |
| 3 | 0.300 | 0.510 | 0.510 | 0.130 | 0.080 |
| 2 | 0.300 | 0.510 | 0.510 | 0.120 | 0.070 |
| 1 | 0.300 | 0.510 | 0.510 | 0.110 | 0.070 |
| 0 | 0.250 | 0.440 | 0.440 | 0.050 | 0.050 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 201 km²

PNP : NN + 169.98 m

Lage: 52.6 km oberhalb Mündung links

Q

m³/s

Pegel : Sundhausen Nr. 575400

Gewässer : Helme

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.660 | 2.20 | 1.98 | 2.65 | 4.62 | 1.68 | 1.78 | 0.980 | 0.980 | 0.980 | 0.840 | 0.840 | 0.900 | 6.32 |
| 2. | 0.720 | 3.13 | 1.68 | 2.09 | 3.61 | 1.48 | 1.78 | 0.900 | 1.06 | 0.980 | 0.780 | 0.840 | 3.37 | 3.73 |
| 3. | 0.720 | 2.65 | 1.68 | 1.88 | 3.01 | 1.48 | 1.78 | 0.900 | 0.980 | 0.980 | 0.840 | 0.840 | 4.92 | 2.77 |
| 4. | 0.720 | 2.20 | 1.22 | 1.68 | 2.65 | 1.48 | 3.01 | 0.900 | 0.980 | 0.980 | 0.840 | 0.720 | 6.48 | 2.09 |
| 5. | 0.720 | 2.53 | 1.22 | 1.58 | 2.42 | 1.48 | 3.37 | 0.900 | 0.980 | 1.06 | 0.780 | 0.720 | 3.01 | 1.88 |
| 6. | 0.720 | 4.36 | 1.22 | 1.58 | 2.20 | 1.48 | 3.01 | 0.900 | 0.900 | 1.06 | 0.780 | 1.22 | 1.98 | 1.68 |
| 7. | 0.720 | 3.49 | 1.22 | 1.38 | 2.42 | 1.38 | 3.73 | 0.900 | 0.900 | 0.980 | 0.780 | 1.30 | 1.58 | 1.38 |
| 8. | 1.58 | 3.01 | 1.14 | 1.30 | 2.42 | 1.38 | 2.77 | 1.22 | 0.900 | 0.980 | 0.780 | 1.14 | 1.48 | 1.22 |
| 9. | 2.20 | 2.20 | 1.06 | 1.48 | 2.42 | 1.38 | 2.31 | 1.14 | 0.900 | 0.980 | 0.780 | 0.980 | 5.52 | 1.06 |
| 10. | 1.22 | 1.88 | 0.980 | 6.16 | 2.42 | 1.38 | 2.20 | 1.06 | 1.22 | 0.980 | 0.840 | 0.900 | 5.68 | 0.980 |
| 11. | 0.980 | 1.68 | 0.980 | 4.10 | 2.09 | 1.38 | 2.53 | 1.06 | 1.22 | 1.78 | 1.14 | 0.900 | 6.48 | 0.900 |
| 12. | 0.900 | 1.48 | 0.980 | 3.61 | 2.09 | 1.38 | 2.20 | 1.06 | 0.840 | 2.09 | 0.840 | 0.780 | 7.00 | 0.900 |
| 13. | 0.900 | 1.30 | 0.980 | 3.13 | 1.98 | 1.38 | 1.88 | 1.14 | 0.780 | 1.68 | 0.780 | 0.720 | 4.10 | 0.840 |
| 14. | 0.840 | 1.14 | 0.980 | 2.65 | 2.09 | 1.48 | 1.88 | 1.22 | 0.980 | 1.30 | 0.780 | 0.720 | 2.89 | 0.840 |
| 15. | 0.780 | 1.14 | 0.900 | 2.20 | 2.09 | 1.48 | 1.68 | 1.14 | 0.840 | 1.14 | 0.780 | 0.840 | 2.31 | 0.840 |
| 16. | 0.780 | 1.06 | 0.900 | 1.98 | 2.09 | 1.68 | 1.58 | 1.14 | 0.840 | 1.14 | 0.780 | 0.780 | 1.88 | 0.840 |
| 17. | 0.780 | 0.980 | 0.900 | 1.78 | 2.09 | 1.48 | 1.58 | 1.14 | 1.30 | 1.14 | 0.780 | 0.780 | 1.98 | 1.14 |
| 18. | 0.780 | 0.980 | 0.900 | 1.68 | 1.98 | 1.48 | 1.48 | 1.06 | 4.36 | 1.14 | 0.780 | 0.780 | 1.78 | 0.980 |
| 19. | 0.780 | 0.980 | 0.900 | 1.88 | 3.37 | 1.58 | 1.38 | 1.06 | 2.31 | 1.06 | 0.780 | 0.780 | 1.58 | 0.980 |
| 20. | 0.720 | 1.14 | 2.42 | 4.23 | 2.77 | 1.48 | 1.38 | 1.14 | 1.48 | 0.980 | 0.780 | 0.720 | 1.38 | 0.980 |
| 21. | 0.720 | 0.980 | 16.6 | 3.73 | 2.77 | 1.48 | 1.38 | 1.06 | 1.22 | 0.980 | 0.720 | 0.720 | 1.30 | 0.980 |
| 22. | 0.900 | 1.06 | 9.80 | 2.65 | 2.89 | 1.48 | 1.38 | 1.06 | 1.14 | 0.900 | 0.780 | 0.900 | 1.30 | 2.31 |
| 23. | 1.88 | 0.980 | 6.00 | 3.97 | 2.65 | 1.48 | 1.22 | 0.980 | 1.06 | 0.980 | 0.840 | 0.980 | 1.22 | 20.7 |
| 24. | 1.58 | 0.900 | 4.77 | 3.61 | 2.42 | 1.48 | 1.14 | 0.980 | 1.06 | 1.14 | 0.840 | 0.980 | 1.14 | 3.85 |
| 25. | 1.58 | 1.38 | 4.36 | 3.97 | 2.20 | 1.58 | 1.14 | 0.980 | 1.06 | 0.900 | 0.780 | 0.840 | 1.14 | 3.37 |
| 26. | 1.58 | 2.53 | 3.85 | 13.8 | 2.09 | 1.58 | 1.06 | 0.900 | 0.980 | 0.900 | 0.780 | 0.900 | 1.06 | 3.61 |
| 27. | 1.78 | 1.58 | 8.00 | 15.6 | 1.88 | 1.88 | 1.06 | 0.900 | 1.06 | 0.900 | 0.720 | 0.980 | 1.06 | 13.2 |
| 28. | 1.78 | 3.73 | 10.4 | 7.40 | 1.88 | 2.09 | 1.06 | 0.900 | 0.980 | 0.900 | 0.720 | 2.42 | 1.06 | 6.48 |
| 29. | 2.09 | 6.48 | 6.81 | | 1.88 | 1.88 | 1.06 | 0.900 | 0.980 | 0.900 | 0.780 | 1.88 | 1.30 | 6.81 |
| 30. | 2.53 | 3.25 | 4.36 | | 1.78 | 1.88 | 0.980 | 0.980 | 0.900 | 0.900 | 0.900 | 1.30 | 10.8 | 32.1 |
| 31. | | 2.31 | 3.49 | | 1.78 | | 0.980 | | 0.900 | 0.840 | | 1.06 | | 20.4 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 1. | 24. | 15.+ | 8. | 30.+ | 7.+ | 30.+ | 2.+ | 13. | 31. | 21.+ | 4.+ | 1. | 13.+ |
| NQ | 0.660 | 0.900 | 0.900 | 1.30 | 1.78 | 1.38 | 0.980 | 0.900 | 0.780 | 0.840 | 0.720 | 0.720 | 0.900 | 0.840 |
| MQ | 1.15 | 2.09 | 3.31 | 3.71 | 2.42 | 1.54 | 1.80 | 1.02 | 1.16 | 1.09 | 0.804 | 0.976 | 2.92 | 4.71 |
| HQ | 3.13 | 16.6 | 19.5 | 23.8 | 5.37 | 2.42 | 5.07 | 1.38 | 7.60 | 3.13 | 1.58 | 3.13 | 20.7 | 44.2 |
| Tag | 9. | 28. | 21. | 27. | 1. | 28. | 6.+ | 8. | 18. | 12. | 4. | 28. | 30. | 30. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 15 | 28 | 44 | 45 | 32 | 20 | 24 | 13 | 15 | 15 | 10 | 13 | 38 | 63 |

| | 1957/2001 | | 1958/2002 | | | | | | 45 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1982 | 1983 | 1968 | 1980+ | 1972 | 1996 | 1980+ | 1980 | 1991+ | 1991+ | 1982+ | 1991 | 1982 | 1983 |
| NQ | 0.210 | 0.080 | 0.090 | 0.210 | 0.320 | 0.360 | 0.430 | 0.320 | 0.280 | 0.210 | 0.210 | 0.210 | 0.210 | 0.080 |
| MNQ | 0.609 | 0.731 | 0.730 | 0.966 | 1.10 | 1.21 | 0.971 | 0.774 | 0.681 | 0.568 | 0.560 | 0.568 | 0.609 | 0.728 |
| MQ | 1.14 | 1.91 | 2.17 | 2.35 | 2.62 | 1.98 | 1.46 | 1.23 | 0.968 | 0.824 | 0.811 | 0.894 | 1.18 | 1.98 |
| MHQ | 4.72 | 9.63 | 11.6 | 10.7 | 11.0 | 6.06 | 5.21 | 6.83 | 2.82 | 3.34 | 2.34 | 2.93 | 5.14 | 10.4 |
| HQ | 52.5 | 38.8 | 35.7 | 33.2 | 47.7 | 32.3 | 30.2 | 41.0 | 11.4 | 29.6 | 20.1 | 37.5 | 52.5 | 44.2 |
| Jahr | 1998 | 1988 | 1993 | 1970 | 2000 | 1983 | 1971 | 1981 | 1972 | 1970 | 1998 | 1998 | 1998 | 2002 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 15 | 25 | 29 | 28 | 35 | 26 | 19 | 16 | 13 | 11 | 10 | 12 | 15 | 26 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 0.660 | am 01.11.2001 | 0.660 | 0.720 |
| MQ | m³/s | 1.75 | | 2.36 | 1.14 |
| HQ | m³/s | 23.8 | am 27.02.2002 | 23.8 | 7.60 |
| Nq | l/(skm²) | 3.28 | | 3.28 | 3.58 |
| Mq | l/(skm²) | 8.71 | | 11.7 | 5.67 |
| Hq | l/(skm²) | 118 | | 118 | 37.8 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 275 | | 184 | 90 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.720 | am 21.09.2002 |
| 2.12 | |
| 44.2 | am 30.12.2002 |
| 3.58 | |
| 10.5 | |
| 220 | |
| | |
| 333 | |

### 1958/2002 (*) 45 Jahre

| | | | | | |
|---|---|---|---|---|---|
| NQ | m³/s | 0.080 | am 14.12.1983 | 0.080 | 0.210 |
| MNQ | m³/s | 0.378 | | 0.499 | 0.488 |
| MQ | m³/s | 1.53 | | 2.03 | 1.03 |
| MHQ | m³/s | 23.9 | | 21.6 | 11.0 |
| HQ | m³/s | 52.5 | am 01.11.1998 | 52.5 | 41.0 |
| $HQ_1$ | m³/s | | | | |
| $HQ_5$ | m³/s | | | | |
| MNq | l/(skm²) | 1.88 | | 2.48 | 2.43 |
| Mq | l/(skm²) | 7.61 | | 10.1 | 5.12 |
| MHq | l/(skm²) | 119 | | 107 | 54.7 |
| $Mh_N$ | mm | | | | |
| $Mh_A$ | mm | 240 | | 158 | 81 |

### 1958/2002

| | |
|---|---|
| 0.080 | am 14.12.1983 |
| 0.384 | |
| 1.54 | |
| 24.5 | |
| 52.5 | am 01.11.1998 |
| | |
| | |
| 1.91 | |
| 7.66 | |
| 122 | |
| | |
| 242 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.080 | 0.398 | 14.12.1983+ | 52.5 | 261 | | 01.11.1998 |
| 2 | 0.090 | 0.448 | 12.01.1968+ | 47.7 | 237 | | 09.03.2000 |
| 3 | 0.100 | 0.498 | 10.01.1986 | 45.3 | 225 | | 16.03.1994 |
| 4 | 0.100 | 0.498 | 03.01.1980+ | 44.2 | 220 | | 30.12.2002 |
| 5 | 0.100 | 0.498 | 04.12.1979+ | 41.0 | 204 | | 04.06.1981 |
| 6 | 0.100 | 0.498 | 07.01.1979 | 38.8 | 193 | | 19.12.1988 |
| 7 | 0.180 | 0.896 | 04.01.1970+ | 37.5 | 187 | | 28.10.1998 |
| 8 | 0.200 | 0.995 | 01.12.1967+ | 35.7 | 178 | | 12.01.1993 |
| 9 | 0.210 | 1.04 | 31.08.1996+ | 35.7 | 178 | | 30.12.1986 |
| 10 | 0.210 | 1.04 | 25.08.1991+ | 35.4 | 176 | | 23.01.1995 |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1958/2002 45 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 16.6 | 32.1 | 32.1 | 17.0 | 4.21 |
| 363 | 15.6 | 20.7 | 23.8 | 13.7 | 3.72 |
| 362 | 13.8 | 20.4 | 22.8 | 11.8 | 3.26 |
| 361 | 10.4 | 16.6 | 22.6 | 10.1 | 3.08 |
| 360 | 9.80 | 15.6 | 21.3 | 8.92 | 2.90 |
| 359 | 8.00 | 13.8 | 20.6 | 8.18 | 2.54 |
| 358 | 7.40 | 13.2 | 18.3 | 7.40 | 2.54 |
| 357 | 6.81 | 10.8 | 17.6 | 6.84 | 2.24 |
| 356 | 6.48 | 10.4 | 16.2 | 6.55 | 2.14 |
| 350 | 4.62 | 7.00 | 13.6 | 4.92 | 1.74 |
| 340 | 3.85 | 4.77 | 8.60 | 3.66 | 1.41 |
| 330 | 3.25 | 3.97 | 7.28 | 2.96 | 1.17 |
| 320 | 2.77 | 3.49 | 6.18 | 2.56 | 1.08 |
| 300 | 2.31 | 2.53 | 4.42 | 2.09 | 0.920 |
| 270 | 1.98 | 2.09 | 3.55 | 1.60 | 0.780 |
| 240 | 1.68 | 1.78 | 2.93 | 1.31 | 0.710 |
| 210 | 1.48 | 1.58 | 2.67 | 1.10 | 0.640 |
| 183 | 1.22 | 1.30 | 2.44 | 0.980 | 0.600 |
| 150 | 1.14 | 1.14 | 2.22 | 0.810 | 0.500 |
| 130 | 1.06 | 1.14 | 2.11 | 0.780 | 0.450 |
| 120 | 1.06 | 1.06 | 2.11 | 0.730 | 0.430 |
| 110 | 1.06 | 1.06 | 2.00 | 0.710 | 0.430 |
| 100 | 0.980 | 1.06 | 2.00 | 0.660 | 0.430 |
| 90 | 0.980 | 1.06 | 1.90 | 0.650 | 0.360 |
| 80 | 0.980 | 0.980 | 1.90 | 0.630 | 0.360 |
| 70 | 0.980 | 0.980 | 1.90 | 0.580 | 0.320 |
| 60 | 0.900 | 0.980 | 1.80 | 0.560 | 0.320 |
| 50 | 0.900 | 0.900 | 1.80 | 0.540 | 0.280 |
| 40 | 0.840 | 0.900 | 1.70 | 0.520 | 0.280 |
| 30 | 0.840 | 0.840 | 1.60 | 0.440 | 0.280 |
| 25 | 0.840 | 0.840 | 1.60 | 0.440 | 0.280 |
| 20 | 0.840 | 0.840 | 1.60 | 0.430 | 0.240 |
| 15 | 0.780 | 0.840 | 1.60 | 0.370 | 0.240 |
| 10 | 0.780 | 0.840 | 1.60 | 0.350 | 0.240 |
| 9 | 0.780 | 0.840 | 1.60 | 0.330 | 0.240 |
| 8 | 0.780 | 0.780 | 1.60 | 0.330 | 0.240 |
| 7 | 0.780 | 0.780 | 1.60 | 0.330 | 0.240 |
| 6 | 0.780 | 0.780 | 1.60 | 0.320 | 0.210 |
| 5 | 0.780 | 0.780 | 1.60 | 0.300 | 0.210 |
| 4 | 0.780 | 0.780 | 1.60 | 0.300 | 0.160 |
| 3 | 0.780 | 0.780 | 1.60 | 0.260 | 0.160 |
| 2 | 0.780 | 0.780 | 1.60 | 0.250 | 0.100 |
| 1 | 0.780 | 0.780 | 1.60 | 0.220 | 0.100 |
| 0 | 0.660 | 0.720 | 1.50 | 0.080 | 0.080 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 304 km²
PNP : NN + 182.56 m
Lage: 11.0 km oberhalb Mündung links

Q
m³/s

Pegel : Nordhausen Nr. 575500
Gewässer : Zorge
Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 1.30 | 6.50 | 3.30 | 16.4 | 26.0 | 3.50 | 3.50 | 2.70 | 0.900 | 1.75 | 0.600 | 0.500 | 3.90 | 7.35 |
| 2. | 1.45 | 8.05 | 3.10 | 13.6 | 20.4 | 3.10 | 3.70 | 2.50 | 0.900 | 2.05 | 0.500 | 0.400 | 5.75 | 7.70 |
| 3. | 1.45 | 7.35 | 2.90 | 11.2 | 17.2 | 3.30 | 3.70 | 2.35 | 0.900 | 1.30 | 0.500 | 0.400 | 6.75 | 7.35 |
| 4. | 1.30 | 7.70 | 2.35 | 9.80 | 14.8 | 3.30 | 5.00 | 2.20 | 0.900 | 1.45 | 0.500 | 0.400 | 8.75 | 6.75 |
| 5. | 1.30 | 9.45 | 2.70 | 8.40 | 13.0 | 3.30 | 5.25 | 2.20 | 0.900 | 1.30 | 0.500 | 0.500 | 7.35 | 6.50 |
| 6. | 1.15 | 16.0 | 2.70 | 7.70 | 12.2 | 3.30 | 5.25 | 2.05 | 0.900 | 1.15 | 0.500 | 1.00 | 6.25 | 6.00 |
| 7. | 1.60 | 17.2 | 2.90 | 5.75 | 15.6 | 2.90 | 5.50 | 2.05 | 0.800 | 1.15 | 0.500 | 1.00 | 5.50 | 5.50 |
| 8. | 3.70 | 14.0 | 3.10 | 5.25 | 14.8 | 2.70 | 5.00 | 2.50 | 0.800 | 1.15 | 0.500 | 0.900 | 5.00 | 4.75 |
| 9. | 4.75 | 11.2 | 2.90 | 5.50 | 13.0 | 2.50 | 5.00 | 2.05 | 0.700 | 1.00 | 0.500 | 0.700 | 8.75 | 4.10 |
| 10. | 3.90 | 9.45 | 2.50 | 8.05 | 11.2 | 2.20 | 5.75 | 1.90 | 1.15 | 1.30 | 0.600 | 0.700 | 11.6 | 3.50 |
| 11. | 3.30 | 7.70 | 2.50 | 8.75 | 9.45 | 2.05 | 7.70 | 1.75 | 1.45 | 2.20 | 1.15 | 0.600 | 12.2 | 3.30 |
| 12. | 3.10 | 6.75 | 2.70 | 16.4 | 7.70 | 2.05 | 6.50 | 1.75 | 1.00 | 2.20 | 0.800 | 0.600 | 13.6 | 3.10 |
| 13. | 2.90 | 6.25 | 2.50 | 17.6 | 6.50 | 2.05 | 6.00 | 1.90 | 0.900 | 2.35 | 0.600 | 0.500 | 13.6 | 2.90 |
| 14. | 2.35 | 5.25 | 2.50 | 14.0 | 6.25 | 2.05 | 5.50 | 1.90 | 1.00 | 1.00 | 0.500 | 0.500 | 11.6 | 2.90 |
| 15. | 2.20 | 5.00 | 2.20 | 12.2 | 5.75 | 2.20 | 5.25 | 1.75 | 0.900 | 1.30 | 0.500 | 0.500 | 9.80 | 3.10 |
| 16. | 2.20 | 4.50 | 1.90 | 11.2 | 5.25 | 3.10 | 5.00 | 1.60 | 0.800 | 1.60 | 0.500 | 0.700 | 8.05 | 2.90 |
| 17. | 1.90 | 4.30 | 2.35 | 9.45 | 5.00 | 2.35 | 4.75 | 1.60 | 1.60 | 1.60 | 0.500 | 0.800 | 7.70 | 3.10 |
| 18. | 1.90 | 3.90 | 2.35 | 8.40 | 4.75 | 2.05 | 4.50 | 1.45 | 6.75 | 1.45 | 0.500 | 0.800 | 6.75 | 2.70 |
| 19. | 1.60 | 3.50 | 2.20 | 7.70 | 5.75 | 2.05 | 4.50 | 1.15 | 3.90 | 1.30 | 0.500 | 0.800 | 6.00 | 2.50 |
| 20. | 1.60 | 3.50 | 2.90 | 12.6 | 5.50 | 2.05 | 4.30 | 1.30 | 2.70 | 1.15 | 0.500 | 0.800 | 5.75 | 2.35 |
| 21. | 1.60 | 3.10 | 14.8 | 14.8 | 5.50 | 2.05 | 4.30 | 1.15 | 2.35 | 1.00 | 0.400 | 0.700 | 5.50 | 2.35 |
| 22. | 2.90 | 3.30 | 29.5 | 13.6 | 5.50 | 2.05 | 4.10 | 1.15 | 2.05 | 1.00 | 0.500 | 1.00 | 5.00 | 2.90 |
| 23. | 4.30 | 2.90 | 30.5 | 14.4 | 5.25 | 2.05 | 4.10 | 1.00 | 1.75 | 1.30 | 0.500 | 1.45 | 5.00 | 7.35 |
| 24. | 4.10 | 2.20 | 30.0 | 12.6 | 5.25 | 2.05 | 4.10 | 0.900 | 1.90 | 1.15 | 0.600 | 1.60 | 4.50 | 5.00 |
| 25. | 4.10 | 3.10 | 33.0 | 11.9 | 4.75 | 2.05 | 3.90 | 0.900 | 1.90 | 1.00 | 0.500 | 1.30 | 4.10 | 5.00 |
| 26. | 4.10 | 3.10 | 29.0 | 26.5 | 4.75 | 2.05 | 3.70 | 0.900 | 1.75 | 0.900 | 0.500 | 2.35 | 3.90 | 5.50 |
| 27. | 4.10 | 2.50 | 47.0 | 44.5 | 4.30 | 2.35 | 3.50 | 0.900 | 1.60 | 0.700 | 0.500 | 3.70 | 3.50 | 8.75 |
| 28. | 5.00 | 3.30 | 48.0 | 34.5 | 4.30 | 3.30 | 3.50 | 0.900 | 1.45 | 0.700 | 0.500 | 10.2 | 3.30 | 10.2 |
| 29. | 5.75 | 4.10 | 36.5 | | 4.10 | 3.30 | 3.10 | 0.900 | 1.30 | 0.700 | 0.500 | 8.75 | 3.50 | 10.8 |
| 30. | 6.25 | 3.70 | 26.0 | | 3.90 | 3.30 | 2.90 | 0.900 | 1.15 | 0.700 | 0.500 | 6.25 | 7.70 | 24.5 |
| 31. | | 3.30 | 20.4 | | 3.70 | | 2.70 | | 1.00 | 0.600 | | 4.75 | | 32.0 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 6. | 24. | 16. | 8. | 31. | 11.+ | 31. | 24.+ | 9. | 31. | 21. | 2.+ | 28. | 20.+ |
| NQ | 1.15 | 2.20 | 1.90 | 5.25 | 3.70 | 2.05 | 2.70 | 0.900 | 0.700 | 0.600 | 0.400 | 0.400 | 3.30 | 2.35 |
| MQ | 2.90 | 6.20 | 12.8 | 13.7 | 8.75 | 2.56 | 4.57 | 1.61 | 1.55 | 1.27 | 0.542 | 1.78 | 7.02 | 6.54 |
| HQ | 6.50 | 18.0 | 60.5 | 49.5 | 30.0 | 3.50 | 10.8 | 2.90 | 11.2 | 5.50 | 1.60 | 11.9 | 14.8 | 38.0 |
| Tag | 8.+ | 6.+ | 27. | 27. | 1. | 29. | 10. | 8. | 18. | 10. | 11. | 28. | 12. | 30. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 25 | 55 | 113 | 109 | 77 | 22 | 40 | 14 | 14 | 11 | 5 | 16 | 60 | 58 |

| | 1953/2001 | | 1954/2002 | | | | | | 49 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1991 | 1976 | 1977 | 1960 | 1963 | 1960 | 1959 | 1966 | 1959 | 1991+ | 1959+ | 1966 | 1991 | 1976 |
| NQ | 0.150 | 0.280 | 0.100 | 0.080 | 0.240 | 0.470 | 0.270 | 0.080 | 0.100 | 0.150 | 0.100 | 0.050 | 0.150 | 0.280 |
| MNQ | 1.25 | 1.74 | 2.06 | 2.39 | 2.39 | 2.80 | 1.72 | 0.929 | 0.753 | 0.605 | 0.626 | 0.789 | 1.31 | 1.78 |
| MQ | 3.04 | 5.37 | 5.82 | 5.49 | 6.52 | 5.75 | 2.96 | 2.19 | 1.60 | 1.19 | 1.23 | 1.92 | 3.17 | 5.50 |
| MHQ | 9.66 | 19.7 | 22.5 | 14.9 | 22.4 | 13.1 | 6.64 | 7.57 | 4.84 | 3.19 | 3.68 | 6.70 | 9.95 | 20.5 |
| HQ | 85.6 | 87.1 | 91.9 | 49.5 | 95.1 | 63.3 | 24.9 | 46.5 | 29.6 | 11.4 | 23.8 | 81.4 | 85.6 | 87.1 |
| Jahr | 1998 | 1954 | 1987 | 2002 | 1956 | 1994 | 1965 | 1977 | 1956 | 1970 | 1957 | 1998 | 1998 | 1954 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 26 | 47 | 51 | 44 | 57 | 49 | 26 | 19 | 14 | 10 | 10 | 17 | 27 | 48 |

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.400 | am 21.09.2002 | 1.15 | 0.400 | 0.400 | am 21.09.2002 |
| MQ m³/s | 4.81 | | 7.78 | 1.90 | 5.18 | |
| HQ m³/s | 60.5 | am 27.01.2002 | 60.5 | 11.9 | 60.5 | am 27.01.2002 |
| Nq l/(skm²) | 1.32 | | 3.78 | 1.32 | 1.32 | |
| Mq l/(skm²) | 15.8 | | 25.6 | 6.25 | 17.0 | |
| Hq l/(skm²) | 199 | | 199 | 39.1 | 199 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 499 | | 400 | 99 | 537 | |
| | 1954/2002 (*) 49 Jahre | | | | 1954/2002 | |
| NQ m³/s | 0.050 | am 22.10.1966 | 0.080 | 0.050 | 0.050 | am 22.10.1966 |
| MNQ m³/s | 0.352 | | 0.910 | 0.405 | 0.379 | |
| MQ m³/s | 3.58 | | 5.34 | 1.85 | 3.60 | |
| MHQ m³/s | 40.9 | | 38.9 | 14.0 | 41.4 | |
| HQ m³/s | 95.1 | am 04.03.1956 | 95.1 | 81.4 | 95.1 | am 04.03.1956 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.16 | | 2.99 | 1.33 | 1.25 | |
| Mq l/(skm²) | 11.8 | | 17.6 | 6.09 | 11.8 | |
| MHq l/(skm²) | 135 | | 128 | 46.1 | 136 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 371 | | 275 | 97 | 373 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.050 | 0.164 | 22.10.1966 | 95.1 | 313 | | 04.03.1956 |
| 2 | 0.080 | 0.263 | 25.06.1966+ | 91.9 | 302 | | 01.01.1987 |
| 3 | 0.080 | 0.263 | 09.02.1960 | 87.1 | 287 | | 27.12.1954+ |
| 4 | 0.100 | 0.329 | 10.09.1997+ | 86.3 | 284 | | 30.12.1986 |
| 5 | 0.100 | 0.329 | 07.10.1989 | 85.6 | 282 | | 01.11.1998 |
| 6 | 0.100 | 0.329 | 03.09.1976+ | 85.3 | 281 | | 06.01.1982 |
| 7 | 0.100 | 0.329 | 12.07.1959+ | 82.3 | 271 | | 11.03.1981 |
| 8 | 0.130 | 0.428 | 10.07.1960 | 81.4 | 268 | | 28.10.1998 |
| 9 | 0.140 | 0.461 | 05.10.1964+ | 80.7 | 265 | | 19.12.1965 |
| 10 | 0.150 | 0.493 | 22.08.1995+ | 71.6 | 236 | | 30.01.1995 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1954/2002 49 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 48.0 | 48.0 | 87.1 | 32.8 | 7.64 |
| 363 | 47.0 | 47.0 | 75.2 | 27.9 | 7.64 |
| 362 | 44.5 | 44.5 | 67.3 | 24.1 | 7.64 |
| 361 | 36.5 | 36.5 | 53.2 | 22.0 | 7.00 |
| 360 | 34.5 | 34.5 | 52.7 | 20.5 | 7.00 |
| 359 | 33.0 | 33.0 | 40.0 | 19.2 | 7.00 |
| 358 | 30.5 | 32.0 | 37.5 | 17.9 | 6.60 |
| 357 | 30.0 | 30.5 | 37.5 | 17.0 | 6.60 |
| 356 | 29.5 | 30.0 | 37.5 | 16.3 | 6.48 |
| 350 | 26.0 | 24.5 | 24.6 | 13.4 | 4.88 |
| 340 | 15.6 | 15.6 | 18.1 | 10.4 | 4.21 |
| 330 | 13.0 | 13.0 | 14.1 | 8.54 | 3.60 |
| 320 | 9.80 | 11.6 | 12.4 | 7.35 | 3.24 |
| 300 | 6.75 | 8.05 | 10.4 | 5.73 | 2.53 |
| 270 | 5.25 | 5.75 | 8.36 | 4.12 | 1.95 |
| 240 | 4.10 | 4.75 | 6.20 | 3.21 | 1.35 |
| 210 | 3.30 | 3.50 | 4.94 | 2.52 | 0.750 |
| 183 | 2.70 | 3.10 | 4.20 | 2.12 | 0.460 |
| 150 | 2.20 | 2.35 | 3.40 | 1.64 | 0.400 |
| 130 | 1.90 | 2.20 | 3.00 | 1.38 | 0.340 |
| 120 | 1.75 | 1.90 | 3.00 | 1.24 | 0.340 |
| 110 | 1.60 | 1.60 | 2.80 | 1.15 | 0.340 |
| 100 | 1.45 | 1.45 | 2.60 | 1.01 | 0.230 |
| 90 | 1.30 | 1.30 | 2.42 | 0.930 | 0.230 |
| 80 | 1.15 | 1.15 | 2.24 | 0.810 | 0.190 |
| 70 | 1.00 | 1.00 | 2.24 | 0.720 | 0.190 |
| 60 | 1.00 | 1.00 | 2.06 | 0.660 | 0.190 |
| 50 | 0.900 | 0.900 | 2.06 | 0.560 | 0.190 |
| 40 | 0.800 | 0.800 | 1.88 | 0.500 | 0.190 |
| 30 | 0.600 | 0.600 | 1.88 | 0.430 | 0.160 |
| 25 | 0.600 | 0.600 | 1.88 | 0.410 | 0.160 |
| 20 | 0.600 | 0.600 | 1.88 | 0.360 | 0.160 |
| 15 | 0.600 | 0.600 | 1.70 | 0.310 | 0.160 |
| 10 | 0.600 | 0.600 | 1.70 | 0.270 | 0.160 |
| 9 | 0.600 | 0.600 | 1.70 | 0.270 | 0.160 |
| 8 | 0.600 | 0.600 | 1.62 | 0.230 | 0.160 |
| 7 | 0.600 | 0.600 | 1.62 | 0.230 | 0.160 |
| 6 | 0.600 | 0.600 | 1.52 | 0.220 | 0.130 |
| 5 | 0.600 | 0.600 | 1.52 | 0.180 | 0.130 |
| 4 | 0.600 | 0.600 | 1.52 | 0.170 | 0.130 |
| 3 | 0.500 | 0.500 | 1.50 | 0.170 | 0.130 |
| 2 | 0.500 | 0.500 | 1.50 | 0.160 | 0.120 |
| 1 | 0.500 | 0.500 | 1.50 | 0.140 | 0.120 |
| 0 | 0.400 | 0.400 | 1.38 | 0.050 | 0.050 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 62.3 km²

PNP : NN + 303.64 m

Lage: 7.0 km oberhalb Mündung rechts

Q

m³/s

Pegel : Ilfeld Nr. 575660

Gewässer : Bere

Gebiet : Unstrut

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.200 | 1.06 | 0.880 | 3.60 | 6.64 | 0.670 | 0.880 | 0.200 | 0.080 | 0.260 | 0.200 | 0.170 | 1.00 | 1.92 |
| 2. | 0.200 | 1.48 | 0.620 | 2.88 | 4.43 | 0.620 | 0.820 | 0.200 | 0.110 | 0.260 | 0.170 | 0.140 | 1.41 | 2.24 |
| 3. | 0.200 | 1.41 | 0.670 | 2.32 | 3.60 | 0.570 | 0.820 | 0.200 | 0.110 | 0.200 | 0.170 | 0.110 | 1.41 | 2.08 |
| 4. | 0.200 | 1.62 | 1.06 | 2.00 | 3.04 | 0.520 | 1.20 | 0.140 | 0.110 | 0.200 | 0.170 | 0.110 | 1.69 | 1.84 |
| 5. | 0.200 | 2.00 | 0.570 | 1.69 | 2.56 | 0.480 | 1.20 | 0.140 | 0.140 | 0.200 | 0.170 | 0.110 | 1.62 | 1.62 |
| 6. | 0.170 | 4.16 | 0.620 | 1.48 | 2.24 | 0.480 | 1.34 | 0.140 | 0.140 | 0.200 | 0.170 | 0.320 | 1.55 | 1.41 |
| 7. | 0.360 | 4.34 | 0.670 | 1.27 | 3.12 | 0.480 | 1.41 | 0.140 | 0.080 | 0.170 | 0.170 | 0.290 | 1.34 | 1.27 |
| 8. | 0.820 | 3.68 | 0.620 | 1.13 | 3.28 | 0.400 | 1.34 | 0.260 | 0.080 | 0.170 | 0.170 | 0.200 | 1.20 | 0.520 |
| 9. | 0.880 | 2.96 | 0.520 | 1.27 | 3.04 | 0.400 | 1.27 | 0.230 | 0.080 | 0.170 | 0.110 | 0.170 | 2.40 | 0.770 |
| 10. | 0.720 | 2.40 | 0.720 | 1.69 | 2.72 | 0.400 | 1.41 | 0.200 | 0.200 | 0.670 | 0.140 | 0.140 | 2.72 | 0.620 |
| 11. | 0.620 | 2.00 | 0.440 | 2.00 | 2.32 | 0.400 | 1.62 | 0.200 | 0.360 | 0.940 | 0.520 | 0.140 | 2.88 | 0.620 |
| 12. | 0.620 | 1.76 | 0.480 | 4.43 | 2.00 | 0.360 | 1.41 | 0.230 | 0.230 | 1.00 | 0.260 | 0.140 | 2.88 | 0.620 |
| 13. | 0.570 | 1.48 | 0.480 | 4.81 | 1.69 | 0.360 | 1.20 | 0.230 | 0.200 | 0.820 | 0.200 | 0.140 | 2.72 | 0.570 |
| 14. | 0.570 | 1.13 | 0.480 | 3.84 | 1.55 | 0.440 | 1.06 | 0.290 | 0.200 | 0.670 | 0.200 | 0.140 | 2.40 | 0.620 |
| 15. | 0.520 | 1.13 | 0.620 | 3.12 | 1.41 | 0.480 | 0.940 | 0.230 | 0.200 | 0.570 | 0.200 | 0.140 | 2.08 | 0.620 |
| 16. | 0.520 | 0.940 | 1.13 | 2.56 | 1.27 | 0.520 | 0.770 | 0.200 | 0.140 | 0.480 | 0.170 | 0.170 | 1.69 | 0.570 |
| 17. | 0.480 | 0.940 | 0.480 | 2.16 | 1.20 | 0.480 | 0.620 | 0.200 | 0.480 | 0.400 | 0.170 | 0.290 | 1.62 | 0.570 |
| 18. | 0.440 | 0.820 | 0.440 | 1.76 | 1.06 | 0.480 | 0.570 | 0.140 | 1.84 | 0.360 | 0.170 | 0.230 | 1.41 | 0.520 |
| 19. | 0.440 | 0.820 | 0.400 | 1.55 | 1.48 | 0.440 | 0.480 | 0.140 | 0.770 | 0.320 | 0.170 | 0.230 | 1.27 | 0.480 |
| 20. | 0.440 | 0.770 | 0.670 | 3.20 | 1.34 | 0.440 | 0.480 | 0.200 | 0.570 | 0.260 | 0.170 | 0.230 | 1.20 | 0.440 |
| 21. | 0.440 | 0.720 | 4.00 | 3.76 | 1.34 | 0.400 | 0.440 | 0.140 | 0.440 | 0.260 | 0.170 | 0.230 | 1.06 | 0.400 |
| 22. | 0.520 | 0.770 | 7.95 | 3.52 | 1.34 | 0.400 | 0.400 | 0.140 | 0.400 | 0.320 | 0.170 | 0.260 | 1.00 | 0.520 |
| 23. | 0.570 | 0.620 | 8.11 | 3.28 | 1.34 | 0.360 | 0.360 | 0.140 | 0.360 | 0.320 | 0.230 | 0.520 | 1.00 | 0.880 |
| 24. | 0.520 | 0.520 | 8.89 | 2.80 | 1.34 | 0.400 | 0.360 | 0.140 | 0.360 | 0.260 | 0.260 | 0.400 | 0.880 | 0.670 |
| 25. | 0.520 | 0.720 | 10.8 | 2.48 | 1.27 | 0.440 | 0.290 | 0.110 | 0.320 | 0.230 | 0.200 | 0.360 | 0.820 | 0.670 |
| 26. | 0.570 | 0.720 | 8.26 | 9.05 | 1.13 | 0.520 | 0.290 | 0.080 | 0.260 | 0.230 | 0.200 | 0.820 | 0.770 | 0.820 |
| 27. | 0.570 | 0.570 | 18.2 | 17.5 | 1.00 | 0.720 | 0.290 | 0.080 | 0.260 | 0.200 | 0.200 | 1.34 | 0.670 | 1.48 |
| 28. | 0.770 | 0.670 | 16.1 | 10.8 | 0.880 | 0.820 | 0.290 | 0.080 | 0.260 | 0.170 | 0.200 | 2.80 | 0.620 | 1.92 |
| 29. | 0.940 | 0.820 | 10.8 | | 0.880 | 0.880 | 0.260 | 0.080 | 0.230 | 0.290 | 0.170 | 2.08 | 0.720 | 2.40 |
| 30. | 0.940 | 0.770 | 6.82 | | 0.820 | 0.880 | 0.230 | 0.080 | 0.200 | 0.230 | 0.170 | 1.62 | 1.92 | 6.27 |
| 31. | | 0.720 | 4.52 | | 0.770 | | 0.230 | | 0.170 | 0.200 | | 1.20 | | 9.53 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 6. | 24. | 19. | 8. | 31. | 12.+ | 30.+ | 26.+ | 1.+ | 7.+ | 9. | 3.+ | 28. | 21. |
| NQ | 0.170 | 0.520 | 0.400 | 1.13 | 0.770 | 0.360 | 0.230 | 0.080 | 0.080 | 0.170 | 0.110 | 0.110 | 0.620 | 0.400 |
| MQ | 0.518 | 1.44 | 3.77 | 3.64 | 2.00 | 0.508 | 0.783 | 0.166 | 0.303 | 0.356 | 0.195 | 0.492 | 1.53 | 1.47 |
| HQ | 1.62 | 4.71 | 25.1 | 19.5 | 8.42 | 0.880 | 2.88 | 0.290 | 3.84 | 4.71 | 1.27 | 3.12 | 2.96 | 11.3 |
| Tag | 8. | 6. | 27. | 27. | 1. | 27.+ | 10. | 8.+ | 17.+ | 10. | 11. | 28. | 9.+ | 30.+ |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 22 | 62 | 162 | 141 | 86 | 21 | 34 | 7 | 13 | 15 | 8 | 21 | 64 | 63 |

| | 1951/2001 | | 1952/2002 | | | | | | 51 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1962 | 1969 | 1970+ | 1970+ | 1996 | 1974 | 1993 | 1976+ | 1976 | 1962+ | 1959 | 1959+ | 1962 | 1969 |
| NQ | 0.020 | 0.040 | 0.010 | 0.010 | 0.080 | 0.130 | 0.060 | 0.050 | 0.010 | 0.030 | 0.020 | 0.020 | 0.020 | 0.040 |
| MNQ | 0.286 | 0.400 | 0.481 | 0.559 | 0.552 | 0.630 | 0.310 | 0.201 | 0.156 | 0.129 | 0.126 | 0.178 | 0.296 | 0.392 |
| MQ | 0.818 | 1.48 | 1.61 | 1.42 | 1.76 | 1.61 | 0.638 | 0.534 | 0.390 | 0.276 | 0.288 | 0.496 | 0.838 | 1.49 |
| MHQ | 2.70 | 6.19 | 6.65 | 4.12 | 5.95 | 4.42 | 1.77 | 2.02 | 1.55 | 1.24 | 1.17 | 2.11 | 2.73 | 6.38 |
| HQ | 20.5 | 57.5 | 31.5 | 19.5 | 26.5 | 43.5 | 6.79 | 9.70 | 7.13 | 4.71 | 7.76 | 34.0 | 20.5 | 57.5 |
| Jahr | 1998 | 1965 | 1987 | 2002 | 1981 | 1994 | 1971 | 1986 | 1955 | 2002 | 1957 | 1998 | 1998 | 1965 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 34 | 64 | 69 | 55 | 76 | 67 | 27 | 22 | 17 | 12 | 12 | 21 | 35 | 64 |

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.080 | am 26.06.2002 | 0.170 | 0.080 | 0.080 | am 26.06.2002 |
| MQ m³/s | 1.17 | | 1.97 | 0.385 | 1.26 | |
| HQ m³/s | 25.1 | am 27.01.2002 | 25.1 | 4.71 | 25.1 | am 27.01.2002 |
| Nq l/(skm²) | 1.28 | | 2.73 | 1.28 | 1.28 | |
| Mq l/(skm²) | 18.8 | | 31.6 | 6.18 | 20.2 | |
| Hq l/(skm²) | 403 | | 403 | 75.6 | 403 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 592 | | 495 | 98 | 638 | |
| | 1952/2002 (*) 51 Jahre | | | | 1952/2002 | |
| NQ m³/s | 0.010 | am 11.07.1976 | 0.010 | 0.010 | 0.010 | am 11.07.1976 |
| MNQ m³/s | 0.076 | | 0.175 | 0.092 | 0.077 | |
| MQ m³/s | 0.941 | | 1.45 | 0.437 | 0.943 | |
| MHQ m³/s | 12.7 | | 12.1 | 4.20 | 13.2 | |
| HQ m³/s | 57.5 | am 19.12.1965 | 57.5 | 34.0 | 57.5 | am 19.12.1965 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.22 | | 2.81 | 1.48 | 1.24 | |
| Mq l/(skm²) | 15.1 | | 23.3 | 7.01 | 15.1 | |
| MHq l/(skm²) | 204 | | 194 | 67.4 | 212 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 476 | | 364 | 112 | 477 | |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.010 | 0.161 | 11.07.1976+ | 57.5 | 923 | | 19.12.1965 |
| 2 | 0.010 | 0.161 | 19.01.1972+ | 43.5 | 698 | | 13.04.1994 |
| 3 | 0.010 | 0.161 | 07.01.1970+ | 34.0 | 546 | | 28.10.1998 |
| 4 | 0.020 | 0.321 | 09.10.1991+ | 33.3 | 535 | | 24.12.1967 |
| 5 | 0.020 | 0.321 | 31.10.1962+ | 31.5 | 506 | | 01.01.1987 |
| 6 | 0.020 | 0.321 | 20.09.1959+ | 30.5 | 490 | | 06.01.1982 |
| 7 | 0.040 | 0.642 | 01.08.1999+ | 29.0 | 465 | | 31.12.1986 |
| 8 | 0.040 | 0.642 | 17.08.1995+ | 26.5 | 425 | | 11.03.1981 |
| 9 | 0.040 | 0.642 | 05.08.1994+ | 25.1 | 403 | | 27.01.2002 |
| 10 | 0.040 | 0.642 | 12.07.1989+ | 23.6 | 379 | | 30.01.1995 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1952/2002 51 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 18.2 | 18.2 | 37.1 | 8.96 | 2.65 |
| 363 | 17.5 | 17.5 | 29.7 | 7.50 | 2.48 |
| 362 | 16.1 | 16.1 | 19.3 | 6.68 | 2.32 |
| 361 | 16.1 | 16.1 | 16.1 | 6.05 | 2.24 |
| 360 | 16.1 | 16.1 | 16.1 | 5.64 | 2.16 |
| 359 | 16.1 | 16.1 | 16.1 | 5.27 | 2.00 |
| 358 | 9.05 | 9.53 | 11.0 | 5.01 | 1.92 |
| 357 | 8.89 | 9.05 | 10.3 | 4.74 | 1.92 |
| 356 | 8.26 | 8.89 | 9.39 | 4.60 | 1.71 |
| 350 | 4.52 | 6.27 | 6.55 | 3.70 | 1.51 |
| 340 | 3.68 | 3.52 | 5.56 | 2.89 | 1.20 |
| 330 | 2.88 | 3.04 | 4.25 | 2.41 | 1.03 |
| 320 | 2.24 | 2.48 | 3.30 | 2.04 | 0.870 |
| 300 | 1.55 | 1.76 | 2.65 | 1.52 | 0.590 |
| 270 | 1.20 | 1.41 | 1.98 | 1.07 | 0.440 |
| 240 | 0.820 | 0.940 | 1.68 | 0.780 | 0.290 |
| 210 | 0.620 | 0.720 | 1.29 | 0.600 | 0.200 |
| 183 | 0.520 | 0.570 | 1.04 | 0.490 | 0.140 |
| 150 | 0.440 | 0.440 | 0.770 | 0.370 | 0.130 |
| 130 | 0.320 | 0.360 | 0.720 | 0.300 | 0.110 |
| 120 | 0.290 | 0.320 | 0.670 | 0.270 | 0.110 |
| 110 | 0.260 | 0.290 | 0.620 | 0.250 | 0.080 |
| 100 | 0.260 | 0.260 | 0.570 | 0.230 | 0.060 |
| 90 | 0.230 | 0.260 | 0.570 | 0.210 | 0.050 |
| 80 | 0.230 | 0.230 | 0.520 | 0.180 | 0.050 |
| 70 | 0.230 | 0.230 | 0.480 | 0.170 | 0.050 |
| 60 | 0.200 | 0.200 | 0.440 | 0.150 | 0.050 |
| 50 | 0.200 | 0.200 | 0.400 | 0.130 | 0.050 |
| 40 | 0.200 | 0.200 | 0.400 | 0.120 | 0.020 |
| 30 | 0.170 | 0.170 | 0.360 | 0.090 | 0.020 |
| 25 | 0.170 | 0.170 | 0.360 | 0.090 | 0.020 |
| 20 | 0.170 | 0.170 | 0.360 | 0.080 | 0.020 |
| 15 | 0.140 | 0.140 | 0.340 | 0.070 | 0.020 |
| 10 | 0.140 | 0.140 | 0.340 | 0.060 | 0.020 |
| 9 | 0.140 | 0.140 | 0.340 | 0.060 | 0.020 |
| 8 | 0.110 | 0.110 | 0.340 | 0.060 | 0.020 |
| 7 | 0.110 | 0.110 | 0.340 | 0.060 | 0.020 |
| 6 | 0.110 | 0.110 | 0.340 | 0.060 | 0.020 |
| 5 | 0.110 | 0.110 | 0.340 | 0.045 | 0.020 |
| 4 | 0.110 | 0.110 | 0.330 | 0.045 | 0.020 |
| 3 | 0.110 | 0.110 | 0.330 | 0.045 | 0.020 |
| 2 | 0.110 | 0.110 | 0.330 | 0.040 | 0.020 |
| 1 | 0.110 | 0.110 | 0.330 | 0.020 | 0.020 |
| 0 | 0.080 | 0.080 | 0.300 | 0.010 | 0.010 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.

$A_{Eo}$ : 1255 km²

PNP : NN + 253.41 m

Lage: 171.0 km oberhalb Mündung rechts

Q

m³/s

Pegel : Greiz Nr. 576470

Gewässer : Weiße Elster

Gebiet : Weiße Elster

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 2.83 | 14.8 | R 6.19 | 28.5 | 40.4 | 14.2 | 4.28 | 4.69 | 3.00 | 2.83 | 16.9 | 3.70 | 11.1 | 97.6 |
| 2. | 2.67 | 12.9 | R 5.97 | 23.2 | 36.6 | 13.8 | 4.28 | 4.08 | 2.67 | 3.89 | 14.2 | 3.00 | 13.8 | 70.0 |
| 3. | 2.52 | 11.6 | R 5.53 | 20.9 | 32.9 | 12.9 | 4.08 | 3.70 | 2.25 | 2.67 | 14.8 | 2.83 | 18.0 | 55.7 |
| 4. | 2.38 | 9.94 | R 6.19 | 20.9 | 29.0 | 12.3 | 5.32 | 3.52 | 2.13 | 2.52 | 15.5 | 3.70 | 23.7 | 45.5 |
| 5. | 2.38 | 10.5 | R 7.82 | 20.5 | 24.2 | 12.6 | 6.88 | 3.70 | 2.13 | 2.67 | 11.1 | 4.08 | 21.3 | 41.2 |
| 6. | 2.25 | 15.9 | R 9.38 | 17.7 | 20.9 | 13.2 | 6.19 | 5.53 | 2.02 | 2.25 | 7.34 | 7.58 | 20.0 | 33.4 |
| 7. | 2.38 | 31.9 | T 7.34 | 13.2 | 20.9 | 12.9 | 5.53 | 8.32 | 2.13 | 4.90 | 6.88 | 10.5 | 18.8 | 26.6 |
| 8. | 4.69 | 29.5 | 5.75 | 18.0 | 20.0 | 11.4 | 5.32 | 20.0 | 2.38 | 11.6 | 6.42 | 11.1 | 17.3 | 21.3 |
| 9. | 5.75 | 20.9 | 5.53 | 26.6 | 18.8 | 9.11 | 4.48 | 20.0 | 2.02 | 10.2 | 5.11 | 10.2 | 21.3 | 21.8 |
| 10. | 3.89 | 13.8 | 6.19 | 24.6 | 17.7 | 7.34 | 6.88 | 9.38 | 2.38 | 7.82 | 6.65 | 9.94 | 22.3 | 22.7 |
| 11. | 3.17 | 18.0 | 6.42 | 15.9 | 15.2 | 7.34 | 10.2 | 8.84 | 3.34 | 7.82 | 15.2 | 9.66 | 28.0 | 16.9 |
| 12. | 3.34 | 17.7 | 5.97 | 8.58 | 13.8 | 6.88 | 11.1 | 8.84 | 2.25 | 45.5 | 12.6 | 8.07 | 27.0 | 8.07 |
| 13. | 4.69 | 15.2 | 5.97 | 25.1 | 12.9 | 6.19 | 11.9 | 8.58 | 2.13 | 96.4 | 8.07 | 6.88 | 22.7 | 8.84 |
| 14. | 4.08 | 12.6 | 5.97 | 34.6 | 11.9 | 8.32 | 11.1 | 8.32 | 2.38 | 61.2 | 8.32 | 8.84 | 20.9 | 11.9 |
| 15. | 3.52 | 11.1 | 5.53 | 30.5 | 11.1 | 9.11 | 8.58 | 9.66 | 2.13 | 50.4 | 9.11 | 6.19 | 20.0 | 13.2 |
| 16. | 3.52 | 10.8 | 5.53 | 28.5 | 10.8 | 8.32 | 7.58 | 10.5 | 2.13 | 32.4 | 6.88 | 8.32 | 18.4 | 13.2 |
| 17. | 3.52 | 10.2 | 5.32 | 28.5 | 11.4 | 7.34 | 6.88 | 9.94 | 3.34 | 24.2 | 5.11 | 10.8 | 16.9 | 13.8 |
| 18. | 3.34 | 9.11 | 5.32 | 26.1 | 11.1 | 5.75 | 6.19 | 8.32 | 4.69 | 24.2 | 4.90 | 11.6 | 18.0 | 13.5 |
| 19. | 3.70 | 7.82 | 5.32 | 23.7 | 10.8 | 6.19 | 8.58 | 6.42 | 2.83 | 23.2 | 4.90 | 12.3 | 41.2 | 12.3 |
| 20. | 3.70 | 6.42 | 5.97 | 28.0 | 11.9 | 11.9 | 8.07 | 5.97 | 2.38 | 16.2 | 4.69 | 9.94 | 59.0 | 10.5 |
| 21. | 3.17 | 6.42 | 21.3 | 28.0 | 15.2 | 11.9 | 6.65 | 5.32 | 2.13 | 17.7 | 4.08 | 6.65 | 37.3 | 9.94 |
| 22. | 3.52 | 6.42 | 42.0 | 25.1 | 31.4 | 9.11 | 6.19 | 4.90 | 2.25 | 21.8 | 3.89 | 7.11 | 30.9 | 10.5 |
| 23. | 4.69 | 5.97 | 38.0 | 25.6 | 37.3 | 4.69 | 5.53 | 4.48 | 2.13 | 29.0 | 3.89 | 7.34 | 35.9 | 28.5 |
| 24. | 4.28 | 5.32 | 37.3 | 25.1 | 33.4 | 4.69 | 6.42 | 4.69 | 2.13 | 27.5 | 4.08 | 7.58 | 29.5 | 24.2 |
| 25. | 4.90 | 6.88 | 40.4 | 25.6 | 32.9 | 4.69 | 7.11 | 4.28 | 2.02 | 19.6 | 3.89 | 7.82 | 26.1 | 21.3 |
| 26. | 6.88 | 6.88 | 39.6 | 36.6 | 31.4 | 4.90 | 12.3 | 3.89 | 1.92 | 8.84 | 5.11 | 17.7 | 28.5 | 16.9 |
| 27. | 9.94 | 7.11 | 34.6 | 47.4 | 30.0 | 5.75 | 8.32 | 3.52 | 2.02 | 9.94 | 7.34 | 19.6 | 18.4 | 15.5 |
| 28. | 15.2 | 8.07 | 42.0 | 47.4 | 29.0 | 5.75 | 7.82 | 3.34 | 1.92 | 23.2 | 6.65 | 16.2 | 23.2 | 15.9 |
| 29. | 15.9 | R 9.11 | 47.4 | | 27.0 | 5.11 | 7.11 | 3.34 | 1.74 | 18.4 | 6.65 | 13.8 | 21.8 | 15.9 |
| 30. | 15.2 | R 8.58 | 39.6 | | 28.0 | 4.69 | 5.75 | 3.17 | 2.02 | 15.2 | 5.32 | 12.9 | 80.8 | 38.0 |
| 31. | | R 7.82 | 34.6 | | 20.9 | | 5.11 | | 1.74 | 12.3 | | 12.6 | | 86.8 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 6. | 24. | 17.+ | 12. | 16.+ | 23.+ | 3. | 30. | 29.+ | 6. | 22.+ | 3. | 1. | 12. |
| NQ | 2.25 | 5.32 | 5.32 | 8.58 | 10.8 | 4.69 | 4.08 | 3.17 | 1.74 | 2.25 | 3.89 | 2.83 | 11.1 | 8.07 |
| MQ | 5.07 | 11.9 | 17.4 | 25.9 | 22.5 | 8.61 | 7.15 | 6.97 | 2.35 | 20.5 | 7.85 | 9.31 | 26.4 | 27.1 |
| HQ | 20.0 | 33.4 | 51.4 | 53.5 | 44.6 | 14.8 | 26.1 | 30.5 | 8.84 | 131 | 24.2 | 23.7 | 138 | 129 |
| Tag | 28. | 7. | 28. | 27. | 22. | 1. | 10. | 8. | 11. | 13. | 10. | 26. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 10 | 25 | 37 | 50 | 48 | 18 | 15 | 14 | 5 | 44 | 16 | 20 | 55 | 58 |

| | 1924/2001 | | 1925/2002 – 69 Jahre | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1929+ | 1953 | 1934 | 1963 | 1963 | 1930 | 1934 | 1934 | 1934 | 1952 | 1934 | 1934 | 1933 | 1953 |
| NQ | 1.48 | 0.980 | 1.48 | 1.50 | 1.50 | 2.51 | 1.61 | 1.00 | 0.960 | 0.830 | 1.08 | 1.22 | 1.48 | 0.980 |
| MNQ | 5.08 | 5.06 | 5.86 | 7.18 | 8.48 | 8.28 | 5.38 | 4.64 | 4.31 | 3.82 | 3.83 | 3.84 | 5.18 | 5.13 |
| MQ | 8.37 | 10.2 | 11.9 | 13.0 | 17.4 | 15.3 | 10.3 | 9.32 | 9.20 | 7.05 | 6.41 | 7.25 | 8.62 | 10.6 |
| MHQ | 18.3 | 26.4 | 30.5 | 29.6 | 39.0 | 31.8 | 27.6 | 34.2 | 36.5 | 27.8 | 18.5 | 19.2 | 20.0 | 28.6 |
| HQ | 78.5 | 155 | 106 | 80.7 | 113 | 112 | 160 | 205 | 558 | 244 | 132 | 82.2 | 138 | 155 |
| Jahr | 1939 | 1974 | 1982 | 1941 | 2000 | 1988 | 1978 | 1961 | 1954 | 1955 | 1995 | 1966 | 2002 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 17 | 22 | 25 | 25 | 37 | 32 | 22 | 19 | 20 | 15 | 13 | 15 | 18 | 23 |

### Abflußjahr (*) 2002

| | | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|---|
| NQ | m³/s | 1.74 | am 29.07.2002 | 2.25 | 1.74 |
| MQ | m³/s | 12.1 | | 15.2 | 9.04 |
| HQ | m³/s | 131 | am 13.08.2002 | 53.5 | 131 |
| Nq | l/(s km²) | 1.39 | | 1.79 | 1.39 |
| Mq | l/(s km²) | 9.64 | | 12.1 | 7.20 |
| Hq | l/(s km²) | 104 | | 42.6 | 104 |
| $h_N$ | mm | | | | |
| $h_A$ | mm | 304 | | 189 | 115 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 1.74 | am 29.07.2002 |
| 15.1 | |
| 138 | am 30.11.2002 |
| 1.39 | |
| 12.0 | |
| 110 | |
| | |
| 379 | |

| | | 1925/2002 (*) 71 Jahre | | | | 1925/2002 | |
|---|---|---|---|---|---|---|---|
| NQ | m³/s | 0.830 | am 18.08.1952 | 0.980 | 0.830 | 0.830 | am 18.08.1952 |
| MNQ | m³/s | 2.68 | | 3.81 | 2.85 | 2.73 | |
| MQ | m³/s | 10.5 | | 12.8 | 8.22 | 10.5 | |
| MHQ | m³/s | 88.7 | | 59.4 | 70.6 | 90.8 | |
| HQ | m³/s | 558 | am 11.07.1954 | 155 | 558 | 558 | am 11.07.1954 |
| $HQ_1$ | m³/s | | | | | | |
| $HQ_5$ | m³/s | | | | | | |
| MNq | l/(s km²) | 2.14 | | 3.04 | 2.27 | 2.18 | |
| Mq | l/(s km²) | 8.37 | | 10.2 | 6.55 | 8.37 | |
| MHq | l/(s km²) | 70.7 | | 47.3 | 56.3 | 72.4 | |
| $Mh_N$ | mm | | | | | | |
| $Mh_A$ | mm | 264 | | 159 | 104 | 264 | |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(s km²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(s km²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.830 | 0.661 | 18.08.1952 | 558 | 445 | | 11.07.1954 |
| 2 | 0.880 | 0.701 | 04.08.1935 | 244 | 194 | | 01.08.1955 |
| 3 | 0.900 | 0.717 | 22.07.1928 | 213 | 170 | | 06.07.1958 |
| 4 | 0.960 | 0.765 | 08.07.1934 | 205 | 163 | | 22.08.1970 |
| 5 | 0.980 | 0.781 | 13.12.1953 | 205 | 163 | | 10.06.1961 |
| 6 | 1.08 | 0.861 | 16.09.1934 | 160 | 127 | | 08.05.1978 |
| 7 | 1.27 | 1.01 | 17.12.1933 | 155 | 124 | | 08.12.1974 |
| 8 | 1.38 | 1.10 | 06.07.1930+ | 146 | 116 | | 21.05.1941 |
| 9 | 1.50 | 1.20 | 10.07.1964 | 144 | 115 | | 19.06.1926 |
| 10 | 1.50 | 1.20 | 01.02.1963+ | 142 | 113 | | 06.04.1944 |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1925/2002 Obere Hüllwerte | 69 Kalenderjahre Mittlere Werte | 69 Kalenderjahre Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 96.4 | 97.6 | 418 | 76.0 | 18.1 |
| 363 | 61.2 | 96.4 | 367 | 64.5 | 16.0 |
| 362 | 50.4 | 86.8 | 225 | 59.3 | 15.6 |
| 361 | 50.4 | 80.8 | 151 | 55.0 | 14.2 |
| 360 | 50.4 | 70.0 | 112 | 50.9 | 13.9 |
| 359 | 50.4 | 61.2 | 94.3 | 47.4 | 13.2 |
| 358 | 45.5 | 59.0 | 94.3 | 45.1 | 12.6 |
| 357 | 45.5 | 55.7 | 90.0 | 42.8 | 12.3 |
| 356 | 45.5 | 50.4 | 89.0 | 41.1 | 12.0 |
| 350 | 38.0 | 45.5 | 69.8 | 33.0 | 11.4 |
| 340 | 32.4 | 38.0 | 57.0 | 25.7 | 9.88 |
| 330 | 29.0 | 34.6 | 53.4 | 21.4 | 8.96 |
| 320 | 26.1 | 29.5 | 50.2 | 18.7 | 7.36 |
| 300 | 21.3 | 26.1 | 41.4 | 15.2 | 5.46 |
| 270 | 15.2 | 21.3 | 35.1 | 12.1 | 4.14 |
| 240 | 11.9 | 16.2 | 29.1 | 9.98 | 3.64 |
| 210 | 9.66 | 12.6 | 23.2 | 8.27 | 3.34 |
| 183 | 8.32 | 10.5 | 19.4 | 6.97 | 3.16 |
| 150 | 6.88 | 8.32 | 16.3 | 5.73 | 2.65 |
| 130 | 6.19 | 7.34 | 14.2 | 5.18 | 2.07 |
| 120 | 5.97 | 6.88 | 13.6 | 4.96 | 1.98 |
| 110 | 5.53 | 6.42 | 12.9 | 4.73 | 1.90 |
| 100 | 5.32 | 6.19 | 12.0 | 4.55 | 1.90 |
| 90 | 4.90 | 5.75 | 11.6 | 4.39 | 1.75 |
| 80 | 4.69 | 5.53 | 11.1 | 4.24 | 1.68 |
| 70 | 4.28 | 5.11 | 10.6 | 4.09 | 1.61 |
| 60 | 3.89 | 4.69 | 10.4 | 3.90 | 1.61 |
| 50 | 3.52 | 4.08 | 10.2 | 3.67 | 1.48 |
| 40 | 3.17 | 3.70 | 9.01 | 3.41 | 1.42 |
| 30 | 2.67 | 3.00 | 8.57 | 3.09 | 1.37 |
| 25 | 2.52 | 2.52 | 8.36 | 2.85 | 1.32 |
| 20 | 2.38 | 2.38 | 8.04 | 2.66 | 1.27 |
| 15 | 2.25 | 2.25 | 7.82 | 2.48 | 1.27 |
| 10 | 2.25 | 2.25 | 7.41 | 2.24 | 1.22 |
| 9 | 2.25 | 2.25 | 7.41 | 2.18 | 1.17 |
| 8 | 2.13 | 2.13 | 7.41 | 2.12 | 1.17 |
| 7 | 2.13 | 2.13 | 7.41 | 2.07 | 1.12 |
| 6 | 2.13 | 2.13 | 7.41 | 1.99 | 1.12 |
| 5 | 2.13 | 2.13 | 7.41 | 1.88 | 1.12 |
| 4 | 2.13 | 2.13 | 7.07 | 1.76 | 1.12 |
| 3 | 2.02 | 2.02 | 7.07 | 1.65 | 1.08 |
| 2 | 2.02 | 2.02 | 7.07 | 1.57 | 1.04 |
| 1 | 1.92 | 1.92 | 6.87 | 1.38 | 1.00 |
| 0 | 1.74 | 1.74 | 6.67 | 0.830 | 0.830 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929 ,1944-1950; AJ 1929; AJ 1945-1950

Beeinflussung durch TS-Steuerung

9 Tage Randeis, 1 Tag Treibeis/Eisgang

$A_{Eo}$ : 2186 km²
PNP : NN + 180.79 m
Lage: 116.0 km oberhalb Mündung links

Q
m³/s

Pegel : Gera-Langenberg Nr. 576520
Gewässer : Weiße Elster
Gebiet : Weiße Elster

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 5.04 | 20.8 | T 11.5 | 35.7 | 58.5 | 21.5 | 7.23 | 7.58 | 4.18 | 3.80 | 17.7 | 8.63 | 17.3 | 145 |
| 2. | 4.83 | 18.1 | T 11.5 | 31.4 | 50.2 | 21.0 | 7.23 | 6.53 | 3.98 | 7.93 | 15.5 | 7.58 | 18.6 | 106 |
| 3. | 4.63 | 17.6 | T 9.71 | 27.6 | 46.2 | 20.0 | 7.23 | 5.83 | 3.98 | 4.61 | 17.3 | 6.88 | 26.1 | 89.6 |
| 4. | 4.45 | 14.5 | T 6.86 | 27.1 | 39.3 | 18.6 | 7.93 | 5.48 | 3.62 | 4.18 | 17.7 | 7.23 | 37.8 | 78.8 |
| 5. | 4.27 | 15.0 | T 12.0 | 25.0 | 33.7 | 17.3 | 11.1 | 5.16 | 3.30 | 4.38 | 17.3 | 8.28 | 33.7 | 73.4 |
| 6. | 4.10 | 19.2 | T 14.0 | 24.5 | 30.3 | 18.2 | 10.4 | 7.23 | 3.46 | 3.62 | 12.3 | 10.0 | 31.4 | 66.3 |
| 7. | 3.93 | 44.0 | T 12.5 | 20.5 | 27.6 | 17.3 | 10.8 | 9.33 | 3.30 | 4.38 | 11.1 | 14.6 | 29.3 | 56.0 |
| 8. | 7.48 | 43.3 | T 11.5 | 19.1 | 26.1 | 16.4 | 8.98 | 19.5 | 3.46 | 8.98 | 10.4 | 15.0 | 27.6 | 47.0 |
| 9. | 13.0 | 32.8 | T 11.5 | 27.6 | 24.5 | 13.7 | 8.63 | 29.3 | 3.46 | 16.8 | 10.4 | 14.1 | 32.0 | 39.3 |
| 10. | 9.30 | 23.6 | T 11.0 | 27.6 | 25.0 | 11.1 | 8.63 | 15.0 | 3.46 | 10.0 | 8.63 | 13.7 | 35.7 | 37.8 |
| 11. | 5.71 | 23.6 | T 11.0 | 26.6 | 22.5 | 10.4 | 27.1 | 13.2 | 5.16 | 10.8 | 19.5 | 13.2 | 41.6 | 28.2 |
| 12. | 5.25 | 26.0 | T 11.0 | 16.8 | 21.0 | 10.4 | 20.5 | 11.9 | 3.46 | 37.1 | 18.6 | 11.5 | 45.4 | T 16.4 |
| 13. | 6.25 | 26.0 | T 10.6 | 25.5 | 19.5 | 9.68 | 20.5 | 11.5 | 3.30 | 102 | 11.9 | 10.0 | 37.8 | T 15.0 |
| 14. | 6.86 | 23.1 | T 8.90 | 51.1 | 18.2 | 11.5 | 18.6 | 11.1 | 3.46 | 63.7 | 11.1 | 11.5 | 35.7 | 17.7 |
| 15. | 5.71 | T 20.8 | T 7.80 | 43.1 | 15.9 | 13.7 | 14.1 | 10.8 | 3.62 | 55.1 | 12.8 | 10.4 | 33.1 | 19.1 |
| 16. | 5.25 | R 19.7 | R 7.17 | 39.3 | 15.5 | 13.2 | 13.7 | 12.8 | 3.46 | 37.8 | 10.4 | 12.3 | 30.9 | 18.6 |
| 17. | 5.25 | R 17.6 | R 7.17 | 38.6 | 15.5 | 11.1 | 11.9 | 11.5 | 4.61 | 26.6 | 8.98 | 15.5 | 28.2 | 18.2 |
| 18. | 5.04 | 15.5 | R 6.86 | 36.4 | 15.5 | 9.68 | 10.4 | 11.1 | 5.83 | 24.5 | 8.28 | 16.4 | 27.1 | 18.2 |
| 19. | 4.83 | 15.0 | R 6.55 | 33.1 | 14.6 | 8.98 | 12.3 | 7.93 | 5.48 | 27.6 | 8.98 | 15.9 | 47.8 | 17.7 |
| 20. | 5.25 | 12.5 | T 7.17 | 30.3 | 15.5 | 11.9 | 14.6 | 7.93 | 3.80 | 21.5 | 8.63 | 15.0 | 86.9 | 15.9 |
| 21. | 4.83 | T 10.6 | 27.8 | 32.0 | 18.2 | 15.0 | 11.5 | 7.58 | 3.46 | 21.0 | 8.28 | 10.8 | 65.5 | 15.0 |
| 22. | 4.83 | R 11.5 | 69.0 | 30.9 | 31.4 | 15.0 | 10.4 | 7.23 | 3.30 | 23.0 | 8.28 | 11.1 | 55.1 | 15.9 |
| 23. | 6.55 | T 10.6 | 61.1 | 31.4 | 52.7 | 8.28 | 8.98 | 7.23 | 3.46 | 25.5 | 8.28 | 11.5 | 64.6 | 53.5 |
| 24. | 6.25 | T 7.80 | 53.5 | 32.5 | 45.4 | 7.58 | 10.4 | 5.83 | 3.30 | 25.5 | 8.63 | 11.1 | 57.7 | 42.3 |
| 25. | 6.55 | T 10.6 | 51.9 | 32.5 | 43.1 | 7.58 | 9.68 | 6.18 | 3.46 | 24.0 | 8.28 | 10.8 | 47.8 | 36.4 |
| 26. | 8.50 | 11.5 | 51.1 | 44.6 | 40.1 | 7.58 | 16.4 | 5.48 | 3.15 | 13.7 | 8.98 | 17.3 | 54.3 | 28.2 |
| 27. | 13.5 | 11.5 | 45.4 | 61.1 | 37.1 | 8.98 | 11.5 | 5.16 | 3.30 | 14.6 | 11.1 | 24.0 | 32.0 | 26.1 |
| 28. | 19.2 | 13.0 | 47.8 | 68.1 | 35.7 | 9.33 | 11.5 | 4.61 | 3.15 | 28.7 | 11.5 | 21.5 | 32.5 | 26.6 |
| 29. | 23.1 | 16.5 | 60.2 | | 32.0 | 7.93 | 10.8 | 4.61 | 3.00 | 22.0 | 11.1 | 19.5 | 32.0 | 25.5 |
| 30. | 20.3 | 16.0 | 51.9 | | 33.1 | 7.93 | 9.33 | 4.38 | 2.70 | 19.5 | 10.0 | 18.6 | 103 | 68.1 |
| 31. | | R 14.5 | 43.1 | | 30.3 | | 7.93 | | 3.30 | 15.5 | | 18.2 | | 125 |

## Hauptwerte

| | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 7. | 24. | 19. | 12. | 19. | 24.+ | 1.+ | 30. | 30. | 6. | 18.+ | 3. | 1. | 13.+ |
| NQ | 3.93 | 7.80 | 6.55 | 16.8 | 14.6 | 7.58 | 7.23 | 4.38 | 2.70 | 3.62 | 8.28 | 6.88 | 17.3 | 15.0 |
| MQ | 7.67 | 18.8 | 24.5 | 33.6 | 30.1 | 12.7 | 11.9 | 9.30 | 3.68 | 22.9 | 11.7 | 13.3 | 41.6 | 44.7 |
| HQ | 24.8 | 47.5 | 85.7 | 73.4 | 67.2 | 24.5 | 39.3 | 33.1 | 7.93 | 119 | 24.0 | 25.0 | 178 | 180 |
| Tag | 29. | 7.+ | 21. | 27.+ | 1. | 2. | 11. | 9. | 11.+ | 13. | 11. | 27. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 9 | 23 | 30 | 37 | 37 | 15 | 15 | 11 | 5 | 28 | 14 | 16 | 49 | 55 |

| | 1950/2001 | | 1951/2002 | | | | | | 52 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1964 | 1953 | 1954+ | 1954 | 1963 | 1993 | 1955 | 1964 | 1964 | 1952 | 1964 | 1964 | 1964 | 1953 |
| NQ | 3.00 | 1.90 | 3.20 | 2.83 | 4.00 | 4.20 | 3.69 | 2.44 | 1.90 | 2.04 | 2.26 | 2.80 | 3.00 | 1.90 |
| MNQ | 7.29 | 7.57 | 9.11 | 10.8 | 12.3 | 11.8 | 7.76 | 7.13 | 5.99 | 5.61 | 5.84 | 5.85 | 7.51 | 7.75 |
| MQ | 11.6 | 15.7 | 17.6 | 19.3 | 25.1 | 22.1 | 14.6 | 13.6 | 13.2 | 10.4 | 9.35 | 10.4 | 12.1 | 16.4 |
| MHQ | 21.8 | 39.4 | 42.2 | 42.4 | 57.7 | 49.1 | 35.1 | 48.2 | 47.8 | 46.3 | 24.3 | 26.7 | 24.9 | 42.7 |
| HQ | 79.4 | 216 | 121 | 135 | 197 | 232 | 187 | 290 | 667 | 516 | 168 | 139 | 178 | 216 |
| Jahr | 1998 | 1974 | 1987 | 1987 | 1956 | 1980 | 1978 | 1965 | 1954 | 1981 | 1995 | 1974 | 2002 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 14 | 19 | 22 | 21 | 31 | 26 | 18 | 16 | 16 | 13 | 11 | 13 | 14 | 20 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 2.70 | am 30.07.2002 | 3.93 | 2.70 |
| MQ m³/s | 16.6 | | 21.1 | 12.2 |
| HQ m³/s | 119 | am 13.08.2002 | 85.7 | 119 |
| Nq l/(skm²) | 1.24 | | 1.80 | 1.24 |
| Mq l/(skm²) | 7.59 | | 9.65 | 5.58 |
| Hq l/(skm²) | 54.4 | | 39.2 | 54.4 |
| $h_N$ mm | | | | |
| $h_A$ mm | 239 | | 151 | 89 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 2.70 | am 30.07.2002 |
| | |
| 180 | am 01.12.2002 |
| 1.24 | |
| 9.88 | |
| 82.3 | |
| | |
| 312 | |

| | 1951/2002 (*) 52 Jahre | | | | 1951/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 1.90 | am 12.07.1964 | 1.90 | 1.90 | 1.90 | am 12.07.1964 |
| MNQ m³/s | 4.10 | | 5.62 | 4.41 | 4.12 | |
| MQ m³/s | 15.2 | | 18.6 | 11.9 | 15.3 | |
| MHQ m³/s | 132 | | 84.6 | 108 | 137 | |
| HQ m³/s | 667 | am 12.07.1954 | 232 | 667 | 667 | am 12.07.1954 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 1.88 | | 2.57 | 2.02 | 1.88 | |
| Mq l/(skm²) | 6.95 | | 8.51 | 5.44 | 7.00 | |
| MHq l/(skm²) | 60.4 | | 38.7 | 49.4 | 62.7 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 219 | | 133 | 87 | 221 | |

## Dauertabelle

| Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1951/2002 52 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 102 | 145 | 631 | 112 | 18.2 |
| 363 | 69.0 | 125 | 505 | 95.5 | 17.6 |
| 362 | 68.1 | 106 | 415 | 84.5 | 17.6 |
| 361 | 63.7 | 103 | 246 | 74.3 | 17.6 |
| 360 | 63.7 | 102 | 167 | 68.2 | 17.0 |
| 359 | 63.7 | 89.6 | 128 | 64.0 | 17.0 |
| 358 | 60.2 | 86.9 | 127 | 61.2 | 17.0 |
| 357 | 58.5 | 78.8 | 126 | 58.8 | 17.0 |
| 356 | 55.1 | 73.4 | 124 | 56.3 | 17.0 |
| 350 | 51.9 | 64.6 | 105 | 46.3 | 15.8 |
| 340 | 43.3 | 54.3 | 71.3 | 37.6 | 12.6 |
| 330 | 36.4 | 50.2 | 58.8 | 32.0 | 10.7 |
| 320 | 32.0 | 44.6 | 50.4 | 28.0 | 9.40 |
| 300 | 26.1 | 35.7 | 39.6 | 22.6 | 8.20 |
| 270 | 20.3 | 27.8 | 35.7 | 17.7 | 6.12 |
| 240 | 17.3 | 22.0 | 29.1 | 14.6 | 5.28 |
| 210 | 14.5 | 18.2 | 24.5 | 12.0 | 4.52 |
| 183 | 11.9 | 15.5 | 20.6 | 10.3 | 4.28 |
| 150 | 11.0 | 11.9 | 17.8 | 8.42 | 4.04 |
| 130 | 9.71 | 11.5 | 16.9 | 7.58 | 4.04 |
| 120 | 9.30 | 11.0 | 15.4 | 7.27 | 3.80 |
| 110 | 8.90 | 10.6 | 14.2 | 6.95 | 3.80 |
| 100 | 8.50 | 9.68 | 13.6 | 6.60 | 3.80 |
| 90 | 7.80 | 9.33 | 13.1 | 6.27 | 3.60 |
| 80 | 7.48 | 8.63 | 12.7 | 6.11 | 3.60 |
| 70 | 6.88 | 8.28 | 12.2 | 5.85 | 3.60 |
| 60 | 6.18 | 7.58 | 11.8 | 5.62 | 3.40 |
| 50 | 5.25 | 6.88 | 10.9 | 5.32 | 3.40 |
| 40 | 4.63 | 5.83 | 10.4 | 5.12 | 3.20 |
| 30 | 4.27 | 4.61 | 10.0 | 4.84 | 3.20 |
| 25 | 3.93 | 3.98 | 8.77 | 4.73 | 3.20 |
| 20 | 3.62 | 3.62 | 8.10 | 4.52 | 2.83 |
| 15 | 3.62 | 3.62 | 8.10 | 4.32 | 2.83 |
| 10 | 3.46 | 3.46 | 8.10 | 4.04 | 2.45 |
| 9 | 3.46 | 3.46 | 8.10 | 3.95 | 2.45 |
| 8 | 3.46 | 3.46 | 8.10 | 3.81 | 2.45 |
| 7 | 3.46 | 3.46 | 7.79 | 3.81 | 2.45 |
| 6 | 3.46 | 3.46 | 7.79 | 3.62 | 2.45 |
| 5 | 3.46 | 3.46 | 7.79 | 3.50 | 2.45 |
| 4 | 3.46 | 3.46 | 7.79 | 3.42 | 2.31 |
| 3 | 3.30 | 3.30 | 7.79 | 3.26 | 2.31 |
| 2 | 3.30 | 3.30 | 7.48 | 3.10 | 2.31 |
| 1 | 3.00 | 3.00 | 7.48 | 2.83 | 2.18 |
| 0 | 2.70 | 2.70 | 6.86 | 1.90 | 1.90 |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 1.90 | 0.869 | 12.07.1964+ | 667 | 305 | | 12.07.1954 |
| 2 | 1.90 | 0.869 | 24.12.1953 | 516 | 236 | | 10.08.1981 |
| 3 | 2.04 | 0.933 | 19.08.1952+ | 290 | 133 | | 11.06.1965 |
| 4 | 2.61 | 1.19 | 26.06.1955 | 246 | 113 | | 02.08.1955 |
| 5 | 2.83 | 1.29 | 26.08.2001 | 237 | 108 | | 06.07.1958 |
| 6 | 2.83 | 1.29 | 08.02.1954 | 232 | 106 | | 28.04.1980 |
| 7 | 3.00 | 1.37 | 13.12.1983 | 231 | 106 | | 22.08.1970 |
| 8 | 3.20 | 1.46 | 17.01.1972 | 219 | 100 | | 24.06.1975 |
| 9 | 3.38 | 1.55 | 06.07.2001 | 216 | 98.8 | | 08.12.1974 |
| 10 | 3.40 | 1.56 | 20.10.1963+ | 210 | 96.1 | | 10.06.1961 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch TS-Steuerung
8 Tage Randeis, 23 Tage Treibeis/Eisgang

$A_{Eo}$ : 297 km²
PNP : NN + 238.29 m
Lage: 7.0 km oberhalb Mündung rechts

Q
m³/s

Pegel : Weida Nr. 577320
Gewässer : Weida
Gebiet : Weiße Elster

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.380 | 0.748 | R 1.22 | 2.52 | 6.67 | 2.86 | K 0.811 | 0.811 | 0.380 | 0.438 | 0.438 | K 1.01 | 0.624 | 21.9 |
| 2. | 0.328 | 0.875 | R 1.14 | 2.86 | 5.66 | 3.03 | K 0.811 | 0.748 | 0.380 | 0.940 | 0.438 | K 1.01 | 0.940 | 14.7 |
| 3. | 0.328 | 0.748 | R 1.14 | 2.69 | 4.93 | 2.52 | K 0.748 | 0.624 | 0.438 | 0.500 | 0.380 | K 1.01 | 1.07 | 12.0 |
| 4. | 0.328 | 0.811 | R 2.10 | 2.10 | 4.39 | 1.61 | K 0.875 | 0.624 | 0.380 | 0.438 | 0.380 | K 1.01 | 1.97 | 11.2 |
| 5. | 0.282 | 0.748 | R 4.75 | 2.10 | 3.71 | 1.31 | K 1.01 | 0.562 | 0.380 | 0.380 | 0.380 | K 0.940 | 1.73 | 11.2 |
| 6. | 0.282 | 1.07 | R 3.54 | 1.97 | 3.03 | 1.22 | K 1.01 | 0.748 | 0.380 | 0.328 | 0.380 | K 1.07 | 1.22 | 10.7 |
| 7. | 0.282 | 2.69 | R 3.88 | 1.85 | 2.86 | 1.22 | K 1.01 | 0.875 | 0.438 | 0.500 | 0.380 | K 1.14 | 1.01 | 10.5 |
| 8. | 0.686 | 2.37 | 3.88 | 1.85 | 2.23 | 1.07 | K 1.07 | 2.52 | 0.438 | 0.686 | 0.380 | K 0.811 | 0.940 | 9.28 |
| 9. | 0.811 | 1.97 | 3.88 | 1.85 | 2.23 | 1.01 | K 1.07 | 2.23 | 0.380 | 0.748 | 0.500 | K 1.01 | 1.14 | 7.51 |
| 10. | 0.562 | 1.61 | 3.88 | 1.85 | 2.10 | 0.811 | K 1.40 | 2.23 | 0.380 | 0.562 | 1.01 | K 1.01 | 1.14 | 4.93 |
| 11. | 0.500 | 1.50 | 3.88 | 1.85 | 1.97 | 0.748 | 6.88 | 1.85 | 0.500 | 0.562 | 1.14 | K 0.940 | 1.73 | R 2.69 |
| 12. | 0.438 | 1.50 | 3.71 | 1.61 | 1.85 | 0.748 | 5.11 | 1.14 | 0.438 | 1.85 | 1.07 | K 0.624 | 1.97 | R 2.23 |
| 13. | 0.500 | 2.69 | 3.71 | 4.57 | 1.40 | 0.748 | 4.22 | 0.940 | 0.380 | 3.20 | 1.01 | K 0.624 | 2.52 | R 2.10 |
| 14. | 0.438 | 3.88 | 1.85 | 7.30 | 1.01 | 0.940 | 2.69 | 0.748 | 0.438 | 1.14 | 0.940 | K 0.500 | 4.75 | 2.10 |
| 15. | 0.380 | 3.71 | R 0.500 | 5.66 | 0.940 | 1.01 | 3.03 | 0.686 | 0.438 | 0.811 | 1.01 | K 0.500 | 3.37 | 2.10 |
| 16. | 0.380 | 3.20 | R 1.14 | 4.75 | 0.811 | 0.875 | 3.20 | 0.562 | 0.380 | 0.686 | 0.940 | K 0.624 | 2.86 | 1.61 |
| 17. | 0.380 | 2.10 | R 1.07 | 4.57 | 0.811 | 0.811 | 1.97 | 0.562 | 0.438 | 0.562 | 0.811 | K 0.748 | 3.20 | 1.07 |
| 18. | 0.380 | 2.10 | R 0.748 | 3.37 | 0.686 | 0.748 | 1.73 | 0.562 | 0.500 | 0.500 | 0.875 | K 0.686 | 1.97 | 1.01 |
| 19. | 0.380 | 2.10 | R 0.282 | 2.10 | 0.748 | 0.748 | 2.23 | 0.438 | 0.438 | 0.500 | 0.875 | K 0.624 | 3.71 | 0.940 |
| 20. | 0.380 | 2.10 | R 0.328 | 2.23 | 0.811 | 0.748 | 2.23 | 0.438 | 0.328 | 0.500 | 0.875 | K 0.562 | 6.67 | 0.811 |
| 21. | 0.328 | 1.97 | 3.88 | 2.86 | 1.14 | 0.686 | 1.97 | 0.438 | 0.328 | 0.438 | 0.875 | K 0.562 | 5.86 | 0.811 |
| 22. | 0.380 | 1.85 | 9.51 | 2.52 | 2.69 | K 0.686 | 1.40 | 0.438 | 0.328 | 0.500 | 0.940 | K 0.686 | 5.66 | 0.940 |
| 23. | 0.500 | R 1.50 | 8.38 | 2.69 | 6.88 | K 0.686 | 1.07 | 0.438 | 0.328 | 0.438 | 1.01 | K 0.686 | 6.67 | 8.82 |
| 24. | 0.438 | R 1.14 | 5.47 | 3.20 | 6.67 | K 0.624 | 1.61 | 0.380 | 0.328 | 0.380 | 1.01 | K 0.624 | 6.67 | 7.94 |
| 25. | 0.562 | R 0.940 | 4.05 | 3.71 | 6.06 | K 0.624 | 1.50 | 0.380 | 0.328 | 0.380 | 0.940 | K 0.686 | 6.67 | 5.66 |
| 26. | 0.686 | R 1.07 | 2.23 | 5.11 | 5.66 | K 0.686 | 1.40 | 0.380 | 0.328 | 0.380 | 0.940 | K 0.940 | 6.46 | 4.05 |
| 27. | 0.875 | 1.22 | 2.37 | 6.26 | 5.11 | K 0.748 | 1.22 | 0.380 | 0.328 | 0.438 | 1.07 | K 0.811 | 6.46 | 2.86 |
| 28. | 1.01 | 1.07 | 3.54 | 7.30 | 4.75 | K 0.748 | 1.22 | 0.380 | 0.328 | 0.811 | 1.01 | K 0.748 | 4.57 | 3.03 |
| 29. | 0.940 | 1.22 | 5.11 | | 3.20 | K 0.748 | 1.01 | 0.380 | 0.282 | 0.562 | 1.01 | K 0.686 | 4.75 | 4.75 |
| 30. | 0.875 | 1.22 | 3.88 | | 3.37 | K 0.811 | 0.875 | 0.380 | 0.328 | 0.562 | 1.01 | K 0.686 | 18.0 | 13.8 |
| 31. | | 1.31 | 3.20 | | 3.20 | | 0.811 | | 0.380 | 0.500 | | K 0.686 | | 19.8 |

## Hauptwerte

| | Nov | Dez | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tag | 5.+ | 1.+ | 19. | 12. | 18. | 24.+ | 3. | 24.+ | 29. | 6. | 3.+ | 14.+ | 1. | 20.+ |
| NQ | 0.282 | 0.748 | 0.282 | 1.61 | 0.686 | 0.624 | 0.748 | 0.380 | 0.282 | 0.328 | 0.380 | 0.500 | 0.624 | 0.811 |
| MQ | 0.501 | 1.71 | 3.17 | 3.33 | 3.15 | 1.06 | 1.84 | 0.796 | 0.383 | 0.685 | 0.801 | 0.782 | 3.88 | 6.55 |
| HQ | 1.31 | 4.22 | 9.97 | 8.16 | 7.72 | 4.05 | 7.94 | 4.05 | 0.748 | 4.93 | 1.50 | 1.40 | 29.4 | 28.8 |
| Tag | 8. | 13. | 22. | 13.+ | 23. | 2. | 10. | 8. | 31. | 13. | 10. | 6. | 30. | 1. |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 4 | 15 | 29 | 27 | 28 | 9 | 17 | 7 | 3 | 6 | 7 | 7 | 34 | 59 |

| | 1922/2001 | | 1923/2002 | | | | | | 78 Jahre | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1953 | 1953 | 1954 | 1954+ | 1954 | 1960 | 1966 | 1934 | 1930+ | 1950 | 1961 | 1947 | 1953 | 1953 |
| NQ | 0.030 | 0.020 | 0.030 | 0.070 | 0.140 | 0.040 | 0.030 | 0.030 | 0.010 | 0.000 | 0.000 | 0.030 | 0.030 | 0.020 |
| MNQ | 0.583 | 0.631 | 0.781 | 1.02 | 1.06 | 0.819 | 0.553 | 0.428 | 0.370 | 0.288 | 0.352 | 0.371 | 0.569 | 0.606 |
| MQ | 1.31 | 1.55 | 2.09 | 2.45 | 3.15 | 2.41 | 1.54 | 1.57 | 1.14 | 0.840 | 0.772 | 0.985 | 1.31 | 1.55 |
| MHQ | 3.86 | 4.74 | 6.43 | 7.01 | 9.62 | 7.53 | 6.39 | 9.37 | 6.48 | 5.20 | 2.96 | 3.63 | 3.99 | 4.98 |
| HQ | 21.7 | 32.1 | 32.0 | 34.4 | 56.0 | 60.9 | 75.4 | 123 | 124 | 139 | 26.7 | 33.2 | 29.4 | 32.1 |
| Jahr | 1922 | 1974 | 1953 | 1923 | 1942 | 1980 | 1941 | 1953 | 1954 | 1924 | 1924 | 1974 | 2002 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 11 | 14 | 19 | 20 | 28 | 21 | 14 | 14 | 10 | 8 | 7 | 9 | 11 | 14 |

### Abflußjahr (*) 2002 / Kalenderjahr 2002

| | Abflußjahr (*) 2002 Jahr | Datum | Winter | Sommer | Kalenderjahr 2002 Jahr | Datum |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.282 | am 05.11.2001 | 0.282 | 0.282 | 0.282 | am 19.01.2002 |
| MQ m³/s | 1.51 | | 2.15 | 0.883 | 2.20 | |
| HQ m³/s | 9.97 | am 22.01.2002 | 9.97 | 7.94 | 29.4 | am 30.11.2002 |
| Nq l/(skm²) | 0.950 | | 0.950 | 0.950 | 0.950 | |
| Mq l/(skm²) | 5.09 | | 7.25 | 2.98 | 7.41 | |
| Hq l/(skm²) | 33.6 | | 33.6 | 26.8 | 99.1 | |
| $h_N$ mm | | | | | | |
| $h_A$ mm | 160 | | 113 | 47 | 234 | |

| | 1923/2002 (*) 79 Jahre | | | | 1923/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.000 | am 02.09.1961 | 0.020 | 0.000 | 0.000 | am 02.09.1961 |
| MNQ m³/s | 0.170 | | 0.347 | 0.191 | 0.174 | |
| MQ m³/s | 1.65 | | 2.17 | 1.13 | 1.65 | |
| MHQ m³/s | 24.7 | | 15.4 | 18.8 | 25.0 | |
| HQ m³/s | 139 | am 15.08.1924 | 60.9 | 139 | 139 | am 15.08.1924 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 0.573 | | 1.17 | 0.644 | 0.586 | |
| Mq l/(skm²) | 5.56 | | 7.31 | 3.81 | 5.56 | |
| MHq l/(skm²) | 83.2 | | 51.9 | 63.4 | 84.3 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 175 | | 114 | 61 | 175 | |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1923/2002 78 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 9.51 | 21.9 | 82.6 | 17.3 | 1.69 |
| 363 | 8.38 | 19.8 | 71.0 | 14.6 | 1.26 |
| 362 | 8.38 | 18.0 | 29.8 | 12.5 | 1.18 |
| 361 | 8.38 | 14.7 | 26.0 | 11.3 | 1.18 |
| 360 | 7.30 | 13.8 | 23.7 | 10.6 | 1.18 |
| 359 | 7.30 | 12.0 | 23.3 | 9.88 | 1.18 |
| 358 | 6.88 | 12.0 | 21.4 | 9.36 | 1.18 |
| 357 | 6.88 | 12.0 | 20.6 | 8.83 | 1.09 |
| 356 | 6.26 | 10.7 | 18.9 | 8.35 | 1.09 |
| 350 | 5.47 | 7.94 | 15.7 | 6.63 | 1.00 |
| 340 | 4.39 | 6.88 | 10.9 | 4.97 | 0.820 |
| 330 | 4.05 | 5.86 | 9.00 | 4.01 | 0.780 |
| 320 | 3.37 | 4.93 | 8.17 | 3.41 | 0.660 |
| 300 | 2.69 | 3.88 | 6.87 | 2.53 | 0.580 |
| 270 | 1.97 | 2.86 | 5.44 | 1.76 | 0.570 |
| 240 | 1.31 | 2.10 | 4.78 | 1.29 | 0.450 |
| 210 | 1.07 | 1.22 | 3.97 | 0.980 | 0.380 |
| 183 | 1.01 | 1.07 | 3.06 | 0.770 | 0.270 |
| 150 | 0.811 | 0.940 | 2.61 | 0.610 | 0.240 |
| 130 | 0.748 | 0.875 | 2.47 | 0.530 | 0.200 |
| 120 | 0.748 | 0.811 | 2.34 | 0.500 | 0.180 |
| 110 | 0.686 | 0.811 | 2.22 | 0.460 | 0.140 |
| 100 | 0.624 | 0.748 | 2.11 | 0.430 | 0.130 |
| 90 | 0.562 | 0.686 | 2.11 | 0.410 | 0.110 |
| 80 | 0.562 | 0.624 | 2.00 | 0.370 | 0.090 |
| 70 | 0.500 | 0.562 | 1.90 | 0.350 | 0.070 |
| 60 | 0.500 | 0.500 | 1.80 | 0.320 | 0.070 |
| 50 | 0.438 | 0.500 | 1.80 | 0.300 | 0.060 |
| 40 | 0.438 | 0.438 | 1.70 | 0.280 | 0.050 |
| 30 | 0.438 | 0.438 | 1.60 | 0.240 | 0.050 |
| 25 | 0.438 | 0.438 | 1.40 | 0.220 | 0.040 |
| 20 | 0.380 | 0.438 | 1.40 | 0.200 | 0.040 |
| 15 | 0.380 | 0.438 | 1.31 | 0.170 | 0.020 |
| 10 | 0.380 | 0.380 | 1.31 | 0.130 | 0.020 |
| 9 | 0.380 | 0.380 | 1.31 | 0.120 | 0.020 |
| 8 | 0.380 | 0.380 | 1.23 | 0.110 | 0.020 |
| 7 | 0.380 | 0.380 | 1.23 | 0.110 | 0.020 |
| 6 | 0.380 | 0.380 | 1.23 | 0.100 | 0.020 |
| 5 | 0.380 | 0.380 | 1.23 | 0.090 | 0.010 |
| 4 | 0.328 | 0.380 | 1.23 | 0.070 | 0.010 |
| 3 | 0.328 | 0.380 | 1.23 | 0.060 | 0.010 |
| 2 | 0.328 | 0.380 | 1.23 | 0.050 | 0.010 |
| 1 | 0.328 | 0.328 | 1.15 | 0.040 | 0.010 |
| 0 | 0.282 | 0.282 | 1.07 | 0.000 | 0.000 |

## Extremwerte

| | Niedrigwasser m³/s | l/(skm²) | Datum | Hochwasser m³/s | l/(skm²) | cm | Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | | 02.09.1961+ | 139 | 468 | | 15.08.1924 |
| 2 | 0.000 | | 10.08.1950+ | 124 | 418 | | 11.07.1954 |
| 3 | 0.010 | 0.034 | 16.07.1935+ | 123 | 415 | | 28.06.1953 |
| 4 | 0.010 | 0.034 | 03.07.1934+ | 104 | 351 | | 11.06.1965 |
| 5 | 0.010 | 0.034 | 06.07.1930+ | 75.4 | 254 | | 21.05.1941 |
| 6 | 0.020 | 0.067 | 26.12.1953+ | 60.9 | 205 | | 27.04.1980+ |
| 7 | 0.020 | 0.067 | 20.09.1947+ | 56.0 | 189 | | 19.03.1942 |
| 8 | 0.020 | 0.067 | 12.09.1937 | 52.4 | 177 | | 06.07.1958 |
| 9 | 0.030 | 0.101 | 24.05.1966+ | 43.5 | 147 | | 22.08.1970 |
| 10 | 0.040 | 0.135 | 31.07.1970 | 41.3 | 139 | | 24.05.1926 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929; AJ 1929;
Beeinflussung durch TS-Steuerung
20 Tage Randeis, 41 Tage Verkrautung

$A_{Eo}$ : 293 km²

PNP : NN + 202.15 m

Lage: 62.8 km oberhalb Mündung rechts

Q

m³/s

Pegel : Gössnitz Nr. 577510

Gewässer : Pleiße

Gebiet : Weiße Elster

## Tageswerte

| Tag | 2001 Nov | 2001 Dez | 2002 Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 0.810 | 1.58 | 1.83 | 2.28 | 4.07 | 1.83 | 0.890 | 0.740 | 0.810 | 1.26 | 3.71 | 1.26 | 1.70 | 19.0 |
| 2. | 0.970 | 1.58 | 1.70 | 1.83 | 3.17 | 1.70 | 1.06 | 0.810 | 0.890 | 1.26 | 2.12 | 1.16 | 3.17 | 11.0 |
| 3. | 0.740 | 1.16 | R 1.47 | 1.83 | 2.63 | 1.58 | 1.16 | 0.810 | 0.810 | 0.680 | 1.83 | 1.26 | 3.89 | 6.41 |
| 4. | 0.680 | 1.16 | R 1.36 | 1.70 | 2.28 | 1.47 | 1.83 | 0.810 | 0.810 | 1.16 | 1.70 | 1.70 | 6.05 | 5.15 |
| 5. | 0.740 | 1.47 | D 1.36 | 1.58 | 1.97 | 1.58 | 2.12 | 0.810 | 0.810 | 1.06 | 1.70 | 1.47 | 3.53 | 4.79 |
| 6. | 0.680 | 3.35 | D 1.36 | 1.47 | 1.83 | 1.47 | 1.83 | 1.26 | 0.740 | 0.740 | 1.70 | 2.28 | 2.63 | 4.07 |
| 7. | 0.810 | 6.41 | T 1.36 | 1.70 | 1.83 | 1.36 | 1.36 | 1.16 | 0.740 | 4.25 | 1.47 | 2.45 | 2.28 | 3.71 |
| 8. | 5.33 | 2.99 | 2.28 | 1.70 | 1.83 | 1.26 | 1.26 | 1.58 | 0.740 | 5.33 | 1.16 | 2.12 | 2.28 | 3.17 |
| 9. | 4.25 | 2.28 | 1.47 | 1.70 | 1.97 | 1.26 | 1.26 | 1.06 | 0.740 | 3.71 | 1.06 | 1.97 | 5.69 | 2.99 |
| 10. | 2.45 | 1.83 | 1.16 | 1.83 | 1.83 | 1.26 | 1.16 | 1.06 | 0.890 | 1.58 | 1.36 | 1.97 | 5.51 | 2.45 |
| 11. | 1.58 | 1.97 | R 0.810 | 1.70 | 1.70 | 1.16 | 1.83 | 1.16 | 0.810 | 2.45 | 2.81 | 1.97 | 8.03 | 2.28 |
| 12. | 0.890 | 2.63 | 0.810 | 1.58 | 1.47 | 1.36 | 1.97 | 0.970 | 0.680 | 55.8 | 1.58 | 1.97 | 5.87 | 1.97 |
| 13. | 1.97 | 3.17 | 0.810 | 4.97 | 1.47 | 1.47 | 2.45 | 0.740 | 0.680 | 32.7 | 1.26 | 1.83 | 4.43 | 1.97 |
| 14. | 1.16 | 1.97 | 0.810 | 4.25 | 1.47 | 2.45 | 1.58 | 0.890 | 0.810 | 11.4 | 1.26 | 1.83 | 3.53 | 1.97 |
| 15. | 0.740 | 1.83 | T 0.680 | 2.63 | 1.47 | 2.28 | 1.26 | 0.810 | 0.740 | 5.51 | 1.26 | 1.83 | 2.99 | 1.97 |
| 16. | 0.740 | 1.58 | T 0.740 | 2.12 | 1.26 | 1.58 | 1.26 | 0.810 | 2.28 | 4.25 | 1.16 | 2.45 | 2.63 | 1.97 |
| 17. | 0.740 | 1.58 | 0.740 | 1.97 | 1.26 | 1.36 | 1.06 | 0.810 | 3.53 | 3.17 | 1.06 | 2.63 | 2.45 | 2.45 |
| 18. | 0.680 | 1.47 | 0.680 | 1.70 | 1.26 | 1.36 | 1.06 | 0.810 | 1.70 | 3.71 | 0.970 | 2.12 | 2.28 | 2.12 |
| 19. | 0.740 | 1.47 | 0.810 | 1.70 | 1.58 | 1.26 | 1.36 | 0.810 | 1.06 | 2.99 | 1.06 | 2.28 | 15.2 | 1.97 |
| 20. | 0.890 | 1.47 | 1.06 | 1.97 | 1.70 | 1.16 | 0.970 | 3.53 | 0.810 | 2.63 | 1.06 | 1.97 | 12.0 | 1.83 |
| 21. | 0.740 | R 1.06 | 11.4 | 2.28 | 2.63 | 1.06 | 1.16 | 2.12 | 0.740 | 2.81 | 1.06 | 2.12 | 6.41 | 1.70 |
| 22. | 1.36 | R 1.36 | 16.7 | 1.97 | 4.25 | 1.06 | 0.890 | 1.97 | 0.740 | 2.81 | 1.16 | 2.99 | 5.33 | 3.35 |
| 23. | 2.12 | R 1.16 | 12.2 | 2.45 | 4.07 | 1.26 | 1.06 | 1.36 | 0.680 | 2.12 | 1.47 | 2.63 | 9.32 | 13.7 |
| 24. | 1.70 | V 0.890 | 8.21 | 2.99 | 3.53 | 1.47 | 1.06 | 1.06 | 0.740 | 1.58 | 1.36 | 2.28 | 5.51 | 6.05 |
| 25. | 1.83 | T 0.890 | 6.23 | 3.17 | 2.99 | 1.36 | 0.890 | 1.06 | 0.890 | 1.47 | 1.36 | 2.28 | 4.43 | 4.61 |
| 26. | 2.28 | R 1.16 | 4.79 | 5.33 | 2.45 | 1.36 | 1.26 | 0.970 | 0.810 | 1.47 | 1.83 | 2.99 | 3.53 | 3.53 |
| 27. | 1.97 | R 0.970 | 5.51 | 6.23 | 2.12 | 1.58 | 0.890 | 0.890 | 0.890 | 1.58 | 1.97 | 2.81 | 3.17 | 4.43 |
| 28. | 2.45 | 1.47 | 5.87 | 5.15 | 1.97 | 1.26 | 0.970 | 0.890 | 0.810 | 2.99 | 1.47 | 2.45 | 2.81 | 3.71 |
| 29. | 1.83 | 2.63 | 4.43 | | 1.83 | 0.970 | 1.06 | 0.810 | 0.890 | 1.97 | 1.36 | 1.97 | 2.99 | 3.53 |
| 30. | 1.70 | 2.28 | 3.35 | | 1.83 | 0.890 | 0.970 | 0.810 | 0.890 | 1.97 | 1.36 | 1.97 | 21.3 | 21.9 |
| 31. | | 1.97 | 2.99 | | 1.97 | | 0.810 | | 0.810 | 1.58 | | 1.83 | | 22.6 |
| Tag | 4.+ | 24.+ | 15.+ | 6. | 16.+ | 30. | 31. | 1.+ | 12.+ | 3. | 18. | 2. | 1. | 21. |
| NQ | 0.680 | 0.890 | 0.680 | 1.47 | 1.26 | 0.890 | 0.810 | 0.740 | 0.680 | 0.680 | 0.970 | 1.16 | 1.70 | 1.70 |
| MQ | 1.52 | 1.90 | 3.39 | 2.56 | 2.18 | 1.42 | 1.28 | 1.11 | 0.967 | 5.42 | 1.52 | 2.09 | 5.36 | 5.56 |
| HQ | 10.6 | 8.39 | 19.9 | 8.75 | 5.87 | 3.53 | 8.94 | 18.6 | 16.5 | 102 | 6.59 | 4.07 | 36.2 | 34.7 |
| Tag | 8. | 7. | 21. | 13. | 22. | 14. | 4. | 20. | 16. | 12. | 1. | 16. | 30. | 30.+ |
| $h_N$ mm | | | | | | | | | | | | | | |
| $h_A$ mm | 13 | 17 | 31 | 21 | 20 | 13 | 12 | 10 | 9 | 50 | 13 | 19 | 47 | 51 |

## Hauptwerte

| | 1923/2001 | | 1924/2002 | | | | | | | | | | | 75 Jahre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jahr | 1949 | 1949 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1949 | 1948+ | 1949 | 1949 | 1949 | 1949 |
| NQ | 0.000 | 0.000 | 0.040 | 0.010 | 0.100 | 0.030 | 0.060 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MNQ | 0.976 | 0.947 | 1.01 | 1.17 | 1.26 | 1.16 | 0.995 | 0.865 | 0.819 | 0.760 | 0.771 | 0.817 | 0.984 | 0.953 |
| MQ | 1.53 | 1.71 | 1.97 | 2.34 | 2.77 | 2.10 | 1.71 | 1.73 | 1.60 | 1.32 | 1.24 | 1.39 | 1.59 | 1.77 |
| MHQ | 5.67 | 7.32 | 9.85 | 10.9 | 14.2 | 9.64 | 10.6 | 15.5 | 12.8 | 12.7 | 7.40 | 6.12 | 6.16 | 7.86 |
| HQ | 45.4 | 43.9 | 79.5 | 55.8 | 77.4 | 50.5 | 88.9 | 107 | 120 | 102 | 66.5 | 47.2 | 45.4 | 43.9 |
| Jahr | 1941 | 1974 | 1932 | 1940 | 1942 | 1980 | 1941 | 1961 | 1954 | 2002 | 1995 | 1974 | 1941 | 1974 |
| $Mh_N$ mm | | | | | | | | | | | | | | |
| $Mh_A$ mm | 14 | 16 | 18 | 19 | 25 | 19 | 16 | 15 | 15 | 12 | 11 | 13 | 14 | 16 |

### Abflußjahr (*) 2002

| | Jahr | Datum | Winter | Sommer |
|---|---|---|---|---|
| NQ m³/s | 0.680 | am 04.11.2001 | 0.680 | 0.680 |
| MQ m³/s | 2.12 | | 2.16 | 2.07 |
| HQ m³/s | 102 | am 12.08.2002 | 19.9 | 102 |
| Nq l/(skm²) | 2.32 | | 2.32 | 2.32 |
| Mq l/(skm²) | 7.24 | | 7.37 | 7.06 |
| Hq l/(skm²) | 348 | | 67.9 | 348 |
| $h_N$ mm | | | | |
| $h_A$ mm | 228 | | 115 | 112 |

### Kalenderjahr 2002

| Jahr | Datum |
|---|---|
| 0.680 | am 15.01.2002 |
| 2.74 | |
| 102 | am 12.08.2002 |
| 2.32 | |
| 9.35 | |
| 348 | |
| | |
| 295 | |

| | 1924/2002 (*) 77 Jahre | | | | 1924/2002 | |
|---|---|---|---|---|---|---|
| NQ m³/s | 0.000 | am 01.11.1949 | 0.000 | 0.000 | 0.000 | am 22.08.1950 |
| MNQ m³/s | 0.599 | | 0.799 | 0.625 | 0.590 | |
| MQ m³/s | 1.78 | | 2.07 | 1.49 | 1.79 | |
| MHQ m³/s | 37.1 | | 23.8 | 29.6 | 37.7 | |
| HQ m³/s | 120 | am 11.07.1954 | 79.5 | 120 | 120 | am 11.07.1954 |
| $HQ_1$ m³/s | | | | | | |
| $HQ_5$ m³/s | | | | | | |
| MNq l/(skm²) | 2.04 | | 2.73 | 2.13 | 2.01 | |
| Mq l/(skm²) | 6.08 | | 7.06 | 5.09 | 6.11 | |
| MHq l/(skm²) | 127 | | 81.2 | 101 | 129 | |
| $Mh_N$ mm | | | | | | |
| $Mh_A$ mm | 192 | | 110 | 81 | 193 | |

## Dauertabelle

Unterschrittene Abflüsse m³/s

| Unterschreitungsdauer in Tagen | Abflußjahr (*) 2002 | Kalenderjahr 2002 | 1924/2002 75 Kalenderjahre Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte |
|---|---|---|---|---|---|
| (365) | | | | | |
| 364 | 55.8 | 55.8 | 82.0 | 19.1 | 3.70 |
| 363 | 32.7 | 32.7 | 61.5 | 14.5 | 2.71 |
| 362 | 16.7 | 22.6 | 54.4 | 12.3 | 2.20 |
| 361 | 12.2 | 21.9 | 38.5 | 10.8 | 2.20 |
| 360 | 12.2 | 21.3 | 28.4 | 9.18 | 2.08 |
| 359 | 12.2 | 19.0 | 27.2 | 8.44 | 2.04 |
| 358 | 8.21 | 16.7 | 26.5 | 7.72 | 1.80 |
| 357 | 6.41 | 15.2 | 22.8 | 7.25 | 1.80 |
| 356 | 6.41 | 13.7 | 21.0 | 6.82 | 1.80 |
| 350 | 5.51 | 9.32 | 15.9 | 5.14 | 1.52 |
| 340 | 4.43 | 6.05 | 11.0 | 3.81 | 1.30 |
| 330 | 3.53 | 5.33 | 9.60 | 3.15 | 1.14 |
| 320 | 3.17 | 4.43 | 8.82 | 2.71 | 0.940 |
| 300 | 2.63 | 3.53 | 7.16 | 2.25 | 0.760 |
| 270 | 2.12 | 2.81 | 5.53 | 1.84 | 0.550 |
| 240 | 1.97 | 2.28 | 4.64 | 1.58 | 0.420 |
| 210 | 1.83 | 2.12 | 3.97 | 1.39 | 0.250 |
| 183 | 1.58 | 1.83 | 3.64 | 1.26 | 0.150 |
| 150 | 1.47 | 1.58 | 3.01 | 1.12 | 0.030 |
| 130 | 1.36 | 1.47 | 2.70 | 1.04 | 0.020 |
| 120 | 1.26 | 1.36 | 2.55 | 1.00 | 0.020 |
| 110 | 1.26 | 1.36 | 2.55 | 0.950 | 0.010 |
| 100 | 1.16 | 1.36 | 2.40 | 0.920 | 0.010 |
| 90 | 1.16 | 1.26 | 2.25 | 0.890 | 0.010 |
| 80 | 1.06 | 1.16 | 2.11 | 0.840 | 0.010 |
| 70 | 0.970 | 1.16 | 1.97 | 0.810 | 0.010 |
| 60 | 0.970 | 1.06 | 1.97 | 0.780 | 0.010 |
| 50 | 0.890 | 0.970 | 1.84 | 0.730 | 0.010 |
| 40 | 0.890 | 0.890 | 1.74 | 0.680 | 0.010 |
| 30 | 0.890 | 0.890 | 1.74 | 0.600 | 0.010 |
| 25 | 0.810 | 0.890 | 1.74 | 0.560 | 0.010 |
| 20 | 0.810 | 0.890 | 1.48 | 0.500 | 0.010 |
| 15 | 0.810 | 0.810 | 1.48 | 0.420 | 0.010 |
| 10 | 0.810 | 0.810 | 1.48 | 0.310 | 0.010 |
| 9 | 0.810 | 0.810 | 1.48 | 0.270 | 0.010 |
| 8 | 0.740 | 0.810 | 1.48 | 0.230 | 0.010 |
| 7 | 0.740 | 0.810 | 1.48 | 0.230 | 0.010 |
| 6 | 0.740 | 0.810 | 1.48 | 0.150 | 0.010 |
| 5 | 0.740 | 0.740 | 1.48 | 0.120 | 0.010 |
| 4 | 0.740 | 0.740 | 1.48 | 0.090 | 0.010 |
| 3 | 0.740 | 0.740 | 1.46 | 0.050 | 0.010 |
| 2 | 0.740 | 0.740 | 1.46 | 0.020 | 0.010 |
| 1 | 0.740 | 0.740 | 1.46 | 0.010 | 0.010 |
| 0 | 0.680 | 0.680 | 1.37 | 0.000 | 0.000 |

## Extremwerte

| | Niedrigwasser m³/s | Niedrigwasser l/(skm²) | Niedrigwasser Datum | Hochwasser m³/s | Hochwasser l/(skm²) | Hochwasser cm | Hochwasser Datum |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | | 22.08.1950 | 120 | 410 | | 11.07.1954 |
| 2 | 0.000 | | 20.07.1949+ | 107 | 365 | | 10.06.1961 |
| 3 | 0.000 | | 29.08.1948+ | 102 | 348 | | 12.08.2002 |
| 4 | 0.010 | 0.034 | 21.02.1950+ | 91.4 | 312 | | 10.06.1949 |
| 5 | 0.050 | 0.171 | 31.12.1931+ | 88.9 | 303 | | 20.05.1941 |
| 6 | 0.060 | 0.205 | 01.01.1948+ | 79.5 | 271 | | 04.01.1932 |
| 7 | 0.060 | 0.205 | 04.09.1947+ | 77.4 | 264 | | 18.03.1942 |
| 8 | 0.080 | 0.273 | 19.04.1949 | 77.0 | 263 | | 25.06.1975 |
| 9 | 0.080 | 0.273 | 14.06.1948+ | 66.5 | 227 | | 01.09.1995 |
| 10 | 0.080 | 0.273 | 26.07.1943+ | 64.9 | 222 | | 15.08.1924 |

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929 ,1944-1945; AJ 1929 ,1945;
Beeinflussung durch Talsperre Koberbach
2 Tage Eisdecke/Eisstand, 1 Tag Eisversetzung/Eisstau, 8 Tage Randeis, 4 Tage Treibeis/Eisgang