

A_{E0} : 2842.10 km²
 PNP : NHN+ 32.70 m
 Lage : 113.44 km oberhalb der Mündung links



m³/s

Pegel : Greven Nr. 333100000100
 Gewässer: Ems
 Gebiet : Obere Ems

| | Tag | 2013 | | 2014 | | | | | | | | | | | | | | | | | |
|--------------------|----------------------------|-----------------------|------------------------------|------------------------------|------|-------------------|--|-------|------------------------------|------------------------------|----------------------|------|-------------------|------|-------|----------------------------|--|--|------------------|--|--|
| | | Nov | Dez | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | | | | | | |
| Tageswerte | 1. | 5.94 | 12.7 | 22.6 | 22.2 | 16.3 | 6.81 | 10.8 | 20.3 | 10.1 | 103 | 14.8 | 10.9 | 15.5 | 13.9 | | | | | | |
| | 2. | 6.97 | 11.2 | 20.1 | 22.9 | 15.8 | 5.91 | 12.4 | 15.0 | 7.70 | 56.3 | 13.0 | 9.93 | 14.4 | 13.1 | | | | | | |
| | 3. | 11.5 | 10.5 | 18.9 | 20.5 | 14.6 | 6.24 | 7.33 | 12.3 | 5.62 | 32.7 | 11.1 | 8.91 | 17.3 | 12.3 | | | | | | |
| | 4. | 15.0 | 10.2 | 20.6 | 19.6 | 13.7 | 5.35 | 5.95 | 10.5 | 4.76 | 31.3 | 10.0 | 8.03 | 27.7 | 11.8 | | | | | | |
| | 5. | 23.3 | 10.9 | 22.5 | 18.5 | 12.4 | 5.65 | 5.28 | 14.4 | 4.25 | 31.3 | 8.93 | 7.64 | 39.1 | 11.5 | | | | | | |
| | 6. | 24.4 | 21.0 | 23.9 | 17.9 | 11.6 | 5.70 | 4.74 | 13.6 | 4.35 | 31.3 | 8.15 | 7.55 | 37.9 | 11.2 | | | | | | |
| | 7. | 25.8 | 25.1 | 24.8 | 19.1 | 10.7 | 5.78 | 10.7 | 9.69 | 5.81 | 22.6 | 7.70 | 10.8 | 28.6 | 10.9 | | | | | | |
| | 8. | 39.0 | 20.7 | 30.0 | 24.9 | 10.3 | 5.98 | 13.3 | 8.10 | 8.32 | 17.8 | 10.6 | 21.5 | 22.7 | 11.5 | | | | | | |
| | 9. | 44.0 | 20.0 | 28.3 | 23.3 | 10.3 | 6.09 | 15.2 | 16.1 | 23.5 | 16.9 | 9.06 | 30.6 | 18.9 | 12.5 | | | | | | |
| | 10. | 32.3 | 17.7 | 36.2 | 19.9 | 10.2 | 5.88 | 30.0 | 40.9 | 52.3 | 14.8 | 7.63 | 45.1 | 17.3 | 11.8 | | | | | | |
| | 11. | 25.0 | 15.9 | 36.6 | 18.6 | 9.66 | 5.48 | 29.8 | 40.2 | 43.5 | 12.3 | 6.98 | 29.0 | 15.8 | 14.0 | | | | | | |
| | 12. | 19.9 | 15.2 | 30.1 | 20.9 | 9.30 | 5.00 | 25.2 | 37.8 | 28.3 | 10.6 | 6.55 | 25.7 | 15.3 | 27.5 | | | | | | |
| | 13. | 17.4 | 13.2 | 27.1 | 24.3 | 8.94 | 4.97 | 21.6 | 20.8 | 20.5 | 11.6 | 5.90 | 22.3 | 14.0 | 64.6 | | | | | | |
| | 14. | 15.6 | 12.7 | 24.3 | 34.4 | 8.82 | 5.03 | 19.7 | 13.9 | 17.1 | 10.2 | 5.48 | 20.0 | 13.1 | 75.4 | | | | | | |
| | 15. | 14.6 | 12.3 | 21.7 | 39.7 | 8.77 | 6.11 | 17.2 | 11.3 | 24.7 | 10.8 | 5.54 | 17.1 | 12.7 | 47.4 | | | | | | |
| | 16. | 12.3 | 12.5 | 21.8 | 34.9 | 10.0 | 5.96 | 13.2 | 9.42 | 18.1 | 13.8 | 5.47 | 16.0 | 27.8 | 39.0 | | | | | | |
| | 17. | 11.7 | 12.0 | 23.8 | 28.7 | 10.4 | 5.03 | 11.2 | 7.72 | 12.6 | 12.2 | 5.44 | 17.0 | 81.0 | 35.2 | | | | | | |
| | 18. | 11.3 | 11.5 | 22.1 | 24.6 | 9.22 | 4.74 | 10.1 | 7.88 | 9.69 | 12.1 | 4.87 | 16.0 | 78.2 | 40.3 | | | | | | |
| | 19. | 10.8 | 12.7 | 20.3 | 22.1 | 9.82 | 4.90 | 9.00 | 7.08 | 7.65 | 15.7 | 7.87 | 14.2 | 48.7 | 52.5 | | | | | | |
| | 20. | 10.5 | 14.4 | 18.1 | 21.6 | 10.0 | 4.85 | 8.04 | 6.55 | 6.65 | 21.3 | 26.4 | 17.5 | 32.8 | 85.7 | | | | | | |
| | 21. | 10.1 | 12.6 | 16.6 | 22.6 | 8.85 | 4.85 | 6.82 | 6.42 | 20.7 | 19.0 | 30.7 | 19.4 | 27.3 | 87.4 | | | | | | |
| | 22. | 9.53 | 12.4 | 16.0 | 24.2 | 8.82 | 5.98 | 5.87 | 5.91 | 57.3 | 13.3 | 40.2 | 33.4 | 24.1 | 68.0 | | | | | | |
| | 23. | 8.65 | 17.2 | 15.5 | 21.9 | 8.93 | 5.42 | 6.75 | 5.47 | 42.4 | 12.1 | 31.0 | 43.1 | 21.3 | 54.2 | | | | | | |
| | 24. | 8.50 | 22.7 | 16.3 | 19.5 | 9.59 | 5.41 | 11.8 | 4.93 | 21.6 | 16.6 | 22.8 | 28.8 | 20.6 | 49.1 | | | | | | |
| | 25. | 8.42 | 30.6 | 16.9 | 18.2 | 8.73 | 4.72 | 8.33 | 5.91 | 16.1 | 15.5 | 17.4 | 23.0 | 21.4 | 48.3 | | | | | | |
| | 26. | 8.08 | 40.4 | 19.1 | 17.4 | 8.00 | 4.43 | 8.12 | 6.93 | 14.1 | 17.8 | 14.3 | 20.2 | 19.9 | 46.7 | | | | | | |
| | 27. | 7.67 | 28.2 | 42.3 | 14.8 | 8.04 | 7.18 | 20.2 | 5.20 | 11.1 | 30.7 | 12.2 | 18.4 | 18.4 | 40.1 | | | | | | |
| | 28. | 8.01 | 25.2 | 57.9 | 16.5 | 7.58 | 9.59 | 34.6 | 5.32 | 16.6 | 21.5 | 11.2 | 16.2 | 17.6 | 34.4 | | | | | | |
| | 29. | 9.09 | 34.1 | 41.5 | | 6.38 | 6.44 | 62.4 | 6.94 | 121 | 15.8 | 10.3 | 15.2 | 15.8 | 27.9 | | | | | | |
| | 30. | 11.8 | 31.7 | 31.0 | | 6.86 | 7.40 | 52.1 | 10.0 | 146 | 12.9 | 11.0 | 17.0 | 14.4 | 26.2 | | | | | | |
| | 31. | | 26.8 | 24.6 | | 6.97 | | 30.1 | | 140 | 12.5 | | 16.8 | | 26.8 | | | | | | |
| h _N mm | 1. | 4. | 23. | 27. | 29. | 26. | 6. | 24. | 5. | 14. | 18. | 6. | 15. | 7. | | | | | | | |
| | NQ | 5.94 | 10.2 | 15.5 | 14.8 | 6.38 | 4.43 | 4.74 | 4.93 | 4.25 | 10.2 | 4.87 | 7.55 | 12.7 | 10.9 | | | | | | |
| h _A mm | 1. | 4. | 23. | 27. | 29. | 26. | 6. | 24. | 5. | 14. | 18. | 6. | 15. | 7. | | | | | | | |
| | NQ | 5.94 | 10.2 | 15.5 | 14.8 | 6.38 | 4.43 | 4.74 | 4.93 | 4.25 | 10.2 | 4.87 | 7.55 | 12.7 | 10.9 | | | | | | |
| 1980/2013 | 1981/2014 34 Kalenderjahre | | | | | | | | | | | | | | | | | | | | |
| Jahr | 1991 | 2011 | 2009 | 1994 | 2014 | 2014 | 2012 | 1993 | 1993 | 1992 | 1991 | 1982 | 1991 | 2011 | | | | | | | |
| NQ | 2.68 | 4.70 | 9.04 | 10.9 | 6.38 | 4.43 | 4.26 | 2.80 | 0.830 | 1.34 | 0.687 | 3.17 | 2.68 | 4.70 | | | | | | | |
| MNQ | 11.4 | 16.2 | 22.2 | 22.5 | 21.0 | 15.1 | 9.57 | 7.31 | 5.62 | 5.30 | 5.89 | 8.22 | 11.5 | 15.9 | | | | | | | |
| MQ | 30.3 | 42.1 | 58.2 | 45.1 | 44.7 | 25.8 | 18.4 | 13.6 | 11.9 | 11.1 | 12.6 | 17.3 | 30.2 | 41.8 | | | | | | | |
| MHQ | 93.5 | 132 | 166 | 117 | 128 | 61.2 | 50.6 | 46.0 | 40.4 | 35.6 | 39.4 | 54.7 | 93.9 | 132 | | | | | | | |
| HQ | 402 | 391 | 479 | 265 | 299 | 219 | 297 | 312 | 369 | 167 | 124 | 309 | 402 | 391 | | | | | | | |
| Jahr | 1998 | 2002 | 2003 | 1982 | 1981 | 1986 | 1984 | 1981 | 1981 | 2007 | 1998 | 1998 | 1998 | 2002 | | | | | | | |
| Mh _N mm | 28 | 40 | 55 | 39 | 42 | 24 | 17 | 12 | 11 | 10 | 11 | 16 | 28 | 39 | | | | | | | |
| Mh _A mm | | | | | | | | | | | | | | | | | | | | | |
| Hauptwerte | Abflussjahr (*) 2014 | | | Kalenderjahr 2014 | | | Unterschrittene Abflüsse m ³ /s | | | | | | | | | | | | | | |
| | Jahr | | | Datum | | | Jahr | | Datum | | Abflussjahr (*) 2014 | | Kalenderjahr 2014 | | | 1981/2014 34 Kalenderjahre | | | | | |
| | | | | | | | | | | | | | Obere Hüllkurve | | | Mittlere Werte | | | Untere Hüllkurve | | |
| | NQ | m ³ /s | 4.25 | am 05.07.2014 | | | 4.43 | 4.25 | 4.25 | am 05.07.2014 | 146 | 146 | 460 | 236 | 236 | 89.7 | | | | | |
| | MQ | m ³ /s | 17.7 | | | | 16.3 | 19.0 | 20.0 | | 140 | 140 | 397 | 202 | 202 | 85.0 | | | | | |
| | HQ | m ³ /s | 147 | am 30.07.2014 bei W = 673 cm | | | 61.5 | 147 | 147 | am 30.07.2014 bei W = 673 cm | 121 | 121 | 353 | 172 | 172 | 84.5 | | | | | |
| | Nq | l/(skm ²) | 1.50 | | | | 1.56 | 1.50 | 1.50 | | 62.4 | 87.4 | 268 | 145 | 145 | 78.8 | | | | | |
| | Mq | l/(skm ²) | 6.22 | | | | 5.73 | 6.70 | 7.04 | | 57.9 | 85.7 | 254 | 135 | 135 | 78.4 | | | | | |
| | Hq | l/(skm ²) | 51.8 | | | | 21.7 | 51.8 | 51.8 | | 57.3 | 81.0 | 232 | 127 | 127 | 73.1 | | | | | |
| | h _N | mm | | | | | | | | | 56.3 | 78.2 | 218 | 120 | 120 | 72.0 | | | | | |
| | h _A | mm | 196 | | | | 90 | 106 | 222 | | 52.3 | 75.4 | 206 | 114 | 114 | 71.9 | | | | | |
| | 1981/2014 (*) 34 Jahre | | | 1981/2014 | | | | | | | | | | | | | | | | | |
| | NQ | m ³ /s | 0.687 | am 15.09.1991 | | | 2.68 | 0.687 | 0.687 | am 15.09.1991 | 364 | 146 | 460 | 236 | 236 | 89.7 | | | | | |
| | MNQ | m ³ /s | 4.20 | | | | 9.48 | 4.36 | 4.36 | | 140 | 140 | 397 | 202 | 202 | 85.0 | | | | | |
| MQ | m ³ /s | 27.5 | | | | 41.1 | 14.2 | 27.5 | | 121 | 121 | 353 | 172 | 172 | 84.5 | | | | | | |
| MHQ | m ³ /s | 228 | | | | 219 | 95.3 | 238 | | 103 | 103 | 325 | 155 | 155 | 79.9 | | | | | | |
| HQ | m ³ /s | 479 | am 04.01.2003 bei W = 749 cm | | | 479 | 369 | 479 | am 04.01.2003 bei W = 749 cm | 360 | 62.4 | 268 | 145 | 145 | 78.8 | | | | | | |
| HQ ₁ | m ³ /s | 166 | | | | | | | | 359 | 57.9 | 254 | 135 | 135 | 78.4 | | | | | | |
| HQ ₅ | m ³ /s | 269 | | | | | | | | 358 | 57.3 | 232 | 127 | 127 | 73.1 | | | | | | |
| MNq | l/(skm ²) | 1.48 | | | | 3.34 | 1.53 | 1.53 | | 357 | 56.3 | 218 | 120 | 120 | 72.0 | | | | | | |
| Mq | l/(skm ²) | 9.69 | | | | 14.5 | 4.98 | 9.68 | | 356 | 52.3 | 206 | 114 | 114 | 71.9 | | | | | | |
| MHQ | l/(skm ²) | 80.2 | | | | 77.1 | 33.5 | 83.6 | | 350 | 42.4 | 170 | 94.1 | 94.1 | 56.1 | | | | | | |
| Mh _N | mm | | | | | | | | | 340 | 36.6 | 134 | 73.5 | 73.5 | 44.0 | | | | | | |
| Mh _A | mm | 306 | | | | 227 | 79 | 305 | | 330 | 31.3 | 112 | 60.9 | 60.9 | 34.2 | | | | | | |
| Niedrigwasser (n) | | | Hochwasser | | | Dauertabelle | | | | | | | | | | | | | | | |
| m ³ /s | | | l/(skm ²) | | | m ³ /s | | | l/(skm ²) | | | cm | | | Datum | | | | | | |
| 1 | 0.687 | 0.242 | 15.09.1991 | 800 | 281 | | | | | | | | | | | | | | | | |
| 2 | 0.731 | 0.257 | 21.09.1959 | 479 | 168 | 749 | | | | | | | | | | | | | | | |
| 3 | 0.830 | 0.292 | 04.07.1993 | 402 | 142 | 735 | | | | | | | | | | | | | | | |
| 4 | 1.00 | 0.352 | 21.09.1947 | 394 | 139 | | | | | | | | | | | | | | | | |
| 5 | 1.02 | 0.361 | 21.08.1949 | 374 | 132 | | | | | | | | | | | | | | | | |
| 6 | 1.27 | 0.446 | 12.09.1929 | 347 | 122 | 725 | | | | | | | | | | | | | | | |
| 7 | 1.34 | 0.471 | 09.08.1992 | 332 | 117 | 722 | | | | | | | | | | | | | | | |
| 8 | 1.37 | 0.483 | 14.08.1990 | 312 | 110 | | | | | | | | | | | | | | | | |
| 9 | 1.46 | 0.513 | 13.09.1964 | 306 | 108 | 728 | | | | | | | | | | | | | | | |
| 10 | 1.50 | 0.528 | 21.08.1921 | 300 | 106 | | | | | | | | | | | | | | | | |

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
 HQ1: DGJ, 4.3.3; HQ5: Log-Pearson-Verteilung