

A<sub>Eo</sub> : 1049.80 km<sup>2</sup>  
 PNP : NHN+ 88.95 m  
 Lage : 195.90 km oberhalb der Mündung rechts



Pegel : Bentfeld Nr. 2783390000100  
 Gewässer: Lippe  
 Gebiet : Lippe

m<sup>3</sup>/s

| Tag                | 2008                  |                        | 2009                         |                            |                   |                   |                              |  |                              |                                 |      |                   |      |                            |      |  |  |
|--------------------|-----------------------|------------------------|------------------------------|----------------------------|-------------------|-------------------|------------------------------|--|------------------------------|---------------------------------|------|-------------------|------|----------------------------|------|--|--|
|                    | Nov                   | Dez                    | Jan                          | Feb                        | Mrz               | Apr               | Mai                          | Jun  | Jul                          | Aug                             | Sep  | Okt               | Nov  | Dez                        |      |  |  |
| 1.                 | 4.01                  | 7.43                   | 7.60                         | 8.62                       | 39.4              | 22.3              | 9.45                         | 4.37                                       | 3.52                         | 4.82                            | 3.23 | 3.72              | 5.73 | 12.6                       |      |  |  |
| 2.                 | 3.95                  | 7.49                   | 7.57                         | 8.27                       | 34.4              | 21.3              | 8.35                         | 4.19                                       | 3.45                         | 4.85                            | 3.28 | 3.55              | 9.03 | 11.9                       |      |  |  |
| 3.                 | 3.85                  | 8.17                   | 7.45                         | 7.90                       | 31.1              | 19.8              | 7.46                         | 4.20                                       | 3.36                         | 4.91                            | 3.41 | 3.51              | 8.60 | 12.0                       |      |  |  |
| 4.                 | 3.78                  | 8.09                   | 7.54                         | 7.73                       | 28.8              | 19.3              | 7.72                         | 4.25                                       | 3.25                         | 4.60                            | 3.42 | 3.84              | 10.1 | 11.8                       |      |  |  |
| 5.                 | 3.74                  | 7.74                   | 7.13                         | 7.60                       | 27.1              | 18.7              | 8.09                         | 4.32                                       | 3.16                         | 4.40                            | 4.28 | 3.87              | 9.65 | 11.8                       |      |  |  |
| 6.                 | 3.71                  | 9.03                   | 6.32                         | 7.46                       | 28.9              | 17.9              | 9.05                         | 4.53                                       | 4.05                         | 4.25                            | 3.63 | 4.59              | 9.46 | 12.6                       |      |  |  |
| 7.                 | 3.74                  | 9.45                   | 5.93                         | 7.58                       | 35.1              | 16.4              | 8.73                         | 5.03                                       | 4.04                         | 4.11                            | 3.51 | 4.60              | 9.69 | 12.6                       |      |  |  |
| 8.                 | 3.67                  | 9.35                   | 5.83                         | 7.97                       | 34.3              | 15.9              | 8.11                         | 4.57                                       | 4.65                         | 4.04                            | 3.41 | 7.61              | 9.11 | 12.3                       |      |  |  |
| 9.                 | 3.71                  | 9.18                   | 5.67                         | 7.77                       | 32.2              | 15.4              | 7.48                         | 4.89                                       | 4.17                         | 4.09                            | 3.42 | 5.21              | 8.97 | 11.6                       |      |  |  |
| 10.                | 4.03                  | 9.03                   | 5.52                         | 9.45                       | 32.0              | 14.8              | 7.26                         | 4.58                                       | 4.77                         | 3.91                            | 3.45 | 7.37              | 15.7 | 14.1                       |      |  |  |
| 11.                | 4.34                  | 8.94                   | 5.39                         | 13.1                       | 36.1              | 14.5              | 7.07                         | 5.04                                       | 5.45                         | 3.89                            | 3.35 | 7.98              | 22.0 | 22.5                       |      |  |  |
| 12.                | 3.73                  | 8.48                   | 5.61                         | 12.1                       | 35.5              | 13.9              | 7.13                         | 5.11                                       | 4.55                         | 4.09                            | 3.39 | 8.01              | 19.8 | 23.0                       |      |  |  |
| 13.                | 3.63                  | 8.01                   | 5.80                         | 11.7                       | 37.6              | 13.6              | 6.61                         | 4.57                                       | 4.60                         | 4.00                            | 3.80 | 8.01              | 17.7 | 20.7                       |      |  |  |
| 14.                | 3.51                  | 7.73                   | 6.14                         | 11.0                       | 35.1              | 13.2              | 6.48                         | 4.40                                       | 4.08                         | 3.84                            | 3.77 | 7.55              | 15.4 | 18.7                       |      |  |  |
| 15.                | 3.36                  | 7.53                   | 6.29                         | 10.3                       | 33.3              | 12.9              | 7.26                         | 4.63                                       | 4.17                         | 3.82                            | 5.29 | 7.16              | 14.6 | 16.9                       |      |  |  |
| 16.                | 3.39                  | 7.28                   | 6.09                         | 11.6                       | 33.3              | 12.7              | 9.23                         | 6.40                                       | 4.23                         | 3.70                            | 4.36 | 7.79              | 14.1 | 15.5                       |      |  |  |
| 17.                | 3.61                  | 7.31                   | 6.18                         | 24.5                       | 31.1              | 12.6              | 7.63                         | 4.88                                       | 4.13                         | 3.61                            | 3.89 | 9.12              | 13.0 | 14.6                       |      |  |  |
| 18.                | 3.89                  | 7.33                   | 6.80                         | 28.5                       | 29.0              | 12.5              | 6.73                         | 4.91                                       | 3.79                         | 3.55                            | 3.78 | 9.07              | 12.3 | 13.8                       |      |  |  |
| 19.                | 3.98                  | 7.19                   | 8.69                         | 22.7                       | 27.6              | 12.0              | 6.11                         | 4.61                                       | 4.49                         | 3.43                            | 3.72 | 8.35              | 11.8 | 13.1                       |      |  |  |
| 20.                | 4.95                  | 7.68                   | 9.10                         | 21.0                       | 25.7              | 11.1              | 6.43                         | 4.13                                       | 4.45                         | 3.40                            | 3.59 | 7.77              | 11.2 | 12.4                       |      |  |  |
| 21.                | 6.66                  | 8.52                   | 8.94                         | 22.5                       | 24.9              | 10.5              | 6.07                         | 4.22                                       | 4.55                         | 3.32                            | 3.49 | 7.43              | 10.9 | 12.3                       |      |  |  |
| 22.                | 6.69                  | 9.52                   | 8.43                         | 26.9                       | 23.6              | 9.53              | 6.06                         | 4.31                                       | 11.0                         | 3.34                            | 3.48 | 7.06              | 10.5 | 13.0                       |      |  |  |
| 23.                | 6.72                  | 9.75                   | 9.47                         | 42.1                       | 23.9              | 9.67              | 5.94                         | 4.03                                       | 7.34                         | 3.29                            | 3.44 | 6.50              | 13.0 | 12.2                       |      |  |  |
| 24.                | 6.56                  | 9.69                   | 11.9                         | 45.8                       | 24.5              | 9.82              | 5.80                         | 4.01                                       | 6.75                         | 3.27                            | 3.42 | 6.17              | 18.3 | 11.5                       |      |  |  |
| 25.                | 6.34                  | 9.25                   | 11.7                         | 38.4                       | 24.1              | 9.04              | 5.34                         | 4.12                                       | 6.75                         | 3.32                            | 3.26 | 6.13              | 16.8 | 13.7                       |      |  |  |
| 26.                | 6.46                  | 8.88                   | 10.8                         | 33.0                       | 25.4              | 8.95              | 4.95                         | 4.13                                       | 6.72                         | 3.73                            | 3.28 | 6.06              | 15.0 | 14.3                       |      |  |  |
| 27.                | 7.31                  | 8.60                   | 10.1                         | 35.6                       | 28.2              | 8.86              | 4.73                         | 4.02                                       | 6.33                         | 3.33                            | 3.19 | 6.34              | 15.4 | 14.0                       |      |  |  |
| 28.                | 8.31                  | 8.39                   | 9.70                         | 41.4                       | 29.1              | 10.1              | 4.87                         | 3.91                                       | 5.86                         | 3.30                            | 3.29 | 6.17              | 14.6 | 13.7                       |      |  |  |
| 29.                | 8.35                  | 8.20                   | 9.35                         |                            | 27.8              | 9.25              | 4.80                         | 3.79                                       | 5.57                         | 3.45                            | 3.39 | 5.96              | 14.2 | 13.3                       |      |  |  |
| 30.                | 7.85                  | 8.00                   | 9.09                         |                            | 26.0              | 9.11              | 4.54                         | 3.61                                       | 5.47                         | 3.40                            | 3.52 | 5.87              | 13.5 | 17.4                       |      |  |  |
| 31.                |                       | 7.86                   | 8.78                         |                            | 23.5              |                   | 4.43                         |  | 4.98                         | 3.36                            |      | 5.74              |      | 22.4                       |      |  |  |
| Tag                | 15.                   | 19.                    | 11.                          | 6.                         | 31.               | 27.               | 31.                          | 30.  | 5.                           | 24.                             | 27.  | 3.                | 1.   | 24.                        |      |  |  |
| NQ                 | 3.36                  | 7.19                   | 5.39                         | 7.46                       | 23.5              | 8.86              | 4.43                         | 3.61                                       | 3.16                         | 3.27                            | 3.19 | 3.51              | 5.73 | 11.5                       |      |  |  |
| MQ                 | 4.93                  | 8.36                   | 7.77                         | 19.0                       | 30.0              | 13.5              | 6.77                         | 4.46                                       | 4.96                         | 3.82                            | 3.59 | 6.39              | 13.0 | 14.6                       |      |  |  |
| HQ                 | 9.47                  | 11.5                   | 13.4                         | 46.9                       | 42.4              | 23.5              | 13.7                         | 9.52                                       | 23.5                         | 5.83                            | 8.03 | 10.4              | 24.0 | 25.5                       |      |  |  |
| Tag                | 28.                   | 6.                     | 24.                          | 24.                        | 1.                | 1.                | 16.                          | 16.  | 22.                          | 3.                              | 15.  | 10.               | 11.  | 11.                        |      |  |  |
| h <sub>N</sub> mm  | 61                    | 43                     | 38                           | 117                        | 100               | 30                | 50                           | 63   | 136                          | 30                              | 65   | 107               | 116  | 92                         |      |  |  |
| h <sub>A</sub> mm  | 12                    | 21                     | 20                           | 44                         | 76                | 33                | 17                           | 11   | 13                           | 10                              | 9    | 16                | 32   | 37                         |      |  |  |
|                    |                       | 1955/2008              |                              | 1956/2009 54 Kalenderjahre |                   |                   |                              |  |                              |                                 |      |                   |      |                            |      |  |  |
| Jahr               | 1959                  | 1962                   | 1960                         | 1960                       | 1964              | 1964              | 1959                         | 1959                                       | 1964                         | 1964                            | 1964 | 1964              | 1959 | 1962                       |      |  |  |
| NQ                 | 1.92                  | 1.62                   | 2.26                         | 3.34                       | 2.38              | 2.42              | 2.69                         | 2.52                                       | 1.32                         | 1.24                            | 1.40 | 0.927             | 1.92 | 1.62                       |      |  |  |
| MNQ                | 6.04                  | 8.56                   | 11.5                         | 11.7                       | 10.9              | 10.0              | 7.73                         | 6.73                                       | 5.69                         | 5.41                            | 5.58 | 5.94              | 6.11 | 8.72                       |      |  |  |
| MQ                 | 10.4                  | 15.3                   | 18.7                         | 18.0                       | 18.3              | 14.6              | 11.2                         | 9.21                                       | 8.89                         | 7.78                            | 7.76 | 8.56              | 10.5 | 15.3                       |      |  |  |
| MHQ                | 19.9                  | 33.8                   | 37.4                         | 34.1                       | 34.2              | 23.9              | 20.6                         | 19.2                                       | 25.1                         | 16.0                            | 15.1 | 16.4              | 20.1 | 33.8                       |      |  |  |
| HQ                 | 77.1                  | 100                    | 108                          | 107                        | 95.1              | 54.1              | 67.8                         | 97.1                                       | 383                          | 81.1                            | 66.9 | 76.9              | 77.1 | 100                        |      |  |  |
| Jahr               | 1998                  | 1981                   | 1968                         | 1970                       | 1981              | 1994              | 1978                         | 1981                                       | 1965                         | 2007                            | 2007 | 1998              | 1998 | 1981                       |      |  |  |
| Mh <sub>N</sub> mm | 76                    | 85                     | 77                           | 63                         | 72                | 63                | 77                           | 84   | 96                           | 87                              | 73   | 68                | 77   | 84                         |      |  |  |
| Mh <sub>A</sub> mm | 26                    | 39                     | 48                           | 42                         | 47                | 36                | 29                           | 23   | 23                           | 20                              | 19   | 22                | 26   | 39                         |      |  |  |
|                    |                       | Abflussjahr (*) 2009   |                              |                            | Kalenderjahr 2009 |                   |                              | Unterschnittene Abflüsse m <sup>3</sup> /s |                              |                                 |      |                   |      |                            |      |  |  |
|                    |                       | Jahr                   |                              | Datum                      |                   | Jahr              |                              | Datum                                      |                              | Abflussjahr (*) 2009            |      | Kalenderjahr 2009 |      | 1956/2009 54 Kalenderjahre |      |  |  |
|                    |                       |                        |                              |                            |                   |                   |                              |  |                              | Unterschreitungs-dauer in Tagen |      | Obere Hüllkurve   |      | Mittlere Werte             |      |  |  |
|                    |                       |                        |                              |                            |                   |                   |                              |  |                              |                                 |      |                   |      | Untere Hüllkurve           |      |  |  |
| NQ                 | m <sup>3</sup> /s     | 3.16                   | am 05.07.2009                | 3.36                       | 3.16              | 3.16              | am 05.07.2009                | 3.16                                       | am 05.07.2009                | 45.8                            | 45.8 | 230               | 59.6 | 22.2                       |      |  |  |
| MQ                 | m <sup>3</sup> /s     | 9.41                   |                              | 13.9                       | 5.01              | 10.6              |                              | 10.6                                       |                              | 42.1                            | 42.1 | 105               | 51.7 | 20.3                       |      |  |  |
| HQ                 | m <sup>3</sup> /s     | 46.9                   | am 24.02.2009 bei W = 271 cm | 46.9                       | 23.5              | 46.9              | am 24.02.2009 bei W = 271 cm | 46.9                                       | am 24.02.2009 bei W = 271 cm | 41.4                            | 41.4 | 82.1              | 46.5 | 19.4                       |      |  |  |
| Nq                 | l/(skm <sup>2</sup> ) | 3.01                   |                              | 3.20                       | 3.01              | 3.01              |                              | 3.01                                       |                              | 39.4                            | 39.4 | 73.5              | 43.0 | 17.6                       |      |  |  |
| Mq                 | l/(skm <sup>2</sup> ) | 8.97                   |                              | 13.2                       | 4.77              | 10.1              |                              | 10.1                                       |                              | 38.4                            | 38.4 | 72.0              | 41.2 | 16.5                       |      |  |  |
| Hq                 | l/(skm <sup>2</sup> ) | 44.7                   |                              | 44.7                       | 22.4              | 44.7              |                              | 44.7                                       |                              | 37.6                            | 37.6 | 68.2              | 39.4 | 14.3                       |      |  |  |
| h <sub>N</sub>     | mm                    | 840                    |                              | 389                        | 451               | 944               |                              | 944  |                              | 35.6                            | 35.6 | 61.4              | 35.6 | 11.8                       |      |  |  |
| h <sub>A</sub>     | mm                    | 283                    |                              | 207                        | 76                | 319               |                              | 319  |                              | 35.5                            | 35.5 | 61.4              | 35.6 | 11.8                       |      |  |  |
|                    |                       | 1956/2009 (*) 54 Jahre |                              |                            | 1956/2009         |                   |                              | Dauertabelle                               |                              |                                 |      |                   |      |                            |      |  |  |
| NQ                 | m <sup>3</sup> /s     | 0.927                  | am 07.10.1964                | 1.62                       | 0.927             | 0.927             | am 07.10.1964                | 0.927                                      | am 07.10.1964                | 8.09                            | 10.5 | 22.1              | 12.9 | 4.70                       |      |  |  |
| MNQ                | m <sup>3</sup> /s     | 3.69                   |                              | 5.11                       | 4.15              | 3.80              |                              | 3.80                                       |                              | 7.46                            | 8.86 | 19.3              | 11.1 | 4.08                       |      |  |  |
| MQ                 | m <sup>3</sup> /s     | 12.4                   |                              | 15.9                       | 8.90              | 12.4              |                              | 12.4                                       |                              | 6.61                            | 7.57 | 16.7              | 9.76 | 3.54                       |      |  |  |
| MHQ                | m <sup>3</sup> /s     | 67.2                   |                              | 56.6                       | 39.0              | 67.7              |                              | 67.7                                       |                              | 5.57                            | 6.17 | 15.4              | 8.39 | 3.31                       |      |  |  |
| HQ                 | m <sup>3</sup> /s     | 383                    | am 17.07.1965 bei W = 411 cm | 108                        | 383               | 383               | am 17.07.1965 bei W = 411 cm | 383  | am 17.07.1965 bei W = 411 cm | 4.82                            | 5.57 | 14.9              | 7.70 | 2.91                       |      |  |  |
| HQ <sub>1</sub>    | m <sup>3</sup> /s     |                        |                              |                            |                   |                   |                              |  |                              | 4.59                            | 5.03 | 14.3              | 7.39 | 2.69                       |      |  |  |
| HQ <sub>5</sub>    | m <sup>3</sup> /s     |                        |                              |                            |                   |                   |                              |  |                              | 4.43                            | 4.80 | 13.5              | 7.09 | 2.55                       |      |  |  |
| MNq                | l/(skm <sup>2</sup> ) | 3.51                   |                              | 4.87                       | 3.96              | 3.62              |                              | 3.62                                       |                              | 4.25                            | 4.58 | 13.3              | 6.82 | 2.43                       |      |  |  |
| Mq                 | l/(skm <sup>2</sup> ) | 11.8                   |                              | 15.1                       | 8.48              | 11.8              |                              | 11.8                                       |                              | 4.13                            | 4.40 | 12.9              | 6.58 | 2.24                       |      |  |  |
| MHq                | l/(skm <sup>2</sup> ) | 64.0                   |                              | 54.0                       | 37.2              | 64.5              |                              | 64.5                                       |                              | 4.02                            | 4.22 | 12.6              | 6.34 | 2.18                       |      |  |  |
| Mh <sub>N</sub>    | mm                    | 920                    |                              | 436                        | 484               | 921               |                              | 921  |                              | 3.89                            | 4.09 | 12.1              | 6.10 | 2.06                       |      |  |  |
| Mh <sub>A</sub>    | mm                    | 371                    |                              | 237                        | 135               | 372               |                              | 372  |                              | 3.78                            | 3.91 | 11.8              | 5.87 | 1.95                       |      |  |  |
|                    |                       | Niedrigwasser (n)      |                              |                            | Hochwasser        |                   |                              |  |                              |                                 |      |                   |      |                            |      |  |  |
|                    |                       | m <sup>3</sup> /s      |                              | Datum                      |                   | m <sup>3</sup> /s |                              | Datum                                      |                              |                                 |      |                   |      |                            |      |  |  |
| 1                  | 0.927                 | 0.883                  | 07.10.1964                   | 383                        | 365               | 411               | 17.07.1965                   |  |                              | 30                              | 3.44 | 3.45              | 9.98 | 5.06                       | 1.61 |  |  |
| 2                  | 1.62                  | 1.54                   | 06.12.1962                   | 108                        | 103               | 350               | 15.01.1968                   |  |                              | 25                              | 3.41 | 3.42              | 9.52 | 4.86                       | 1.58 |  |  |
| 3                  | 1.81                  | 1.72                   | 23.12.1959                   | 107                        | 102               | 352               | 23.02.1970                   |  |                              | 20                              | 3.39 | 3.40              | 9.23 | 4.73                       | 1.54 |  |  |
| 4                  | 1.95                  | 1.85                   | 21.07.1963                   | 102                        | 97.2              | 363               | 20.07.1956                   |  |                              | 15                              | 3.35 | 3.35              | 8.98 | 4.54                       | 1.49 |  |  |
| 5                  | 2.15                  | 2.05                   | 18.11.1955                   | 100                        | 95.3              | 350               | 05.12.1981                   |  |                              | 10                              | 3.30 | 3.30              | 8.76 | 4.38                       | 1.41 |  |  |
| 6                  | 2.21                  | 2.11                   | 15.09.1991                   | 97.1                       | 92.5              | 347               | 30.06.1981                   |  |                              | 9                               | 3.29 | 3.29              | 8.73 | 4.35                       | 1.40 |  |  |
| 7                  | 2.27                  | 2.17                   | 10.07.1957                   | 96.7                       | 92.1              | 352               | 19.12.1988                   |  |                              | 8                               | 3.29 | 3.29              | 8.73 | 4.28                       | 1.40 |  |  |
| 8                  | 2.30                  | 2.19                   | 31.07.1960                   | 95.1                       | 90.6              | 345               | 31.01.1982                   |  |                              | 7                               | 3.28 | 3.28              | 8.71 | 4.22                       | 1.40 |  |  |
| 9                  | 2.51                  | 2.39                   | 23.08.1990                   | 95.1                       | 90.6              | 345               | 12.03.1981                   |  |                              | 6                               | 3.28 | 3.28              | 8.65 | 4.16                       | 1.36 |  |  |
| 10                 | 2.81                  | 2.68                   | 06.08.1971                   | 94.7                       | 90.2              | 352               | 16.07.1956                   |  |                              | 5                               | 3.27 | 3.27              | 8.58 | 4.12                       | 1.35 |  |  |

(\*) Abflussjahr: 1.11. des Vorjahres bis 31.10.  
 Grundmessstelle des Landes (GL), durch Hochwasserrückhaltebecken beeinflusst