

A<sub>E0</sub> : 2779 km<sup>2</sup>

PNP : NHH + 30.18 m

Lage: 4.4 km oberhalb der Mündung, links



Pegel : Sachsenhausen, Sohlabsturz Nr. 5802600

Gewässer : Havel, Oranienburger Havel

Gebiet : Obere Havel (bis Spree)

|                 | Tag            | 1998                   |                             | 1999                        |                    |            |                             |                             |                                  |              |                               |                    |                           |                                 |                  |       |  |
|-----------------|----------------|------------------------|-----------------------------|-----------------------------|--------------------|------------|-----------------------------|-----------------------------|----------------------------------|--------------|-------------------------------|--------------------|---------------------------|---------------------------------|------------------|-------|--|
|                 |                | Nov                    | Dez                         | Jan                         | Feb                | Mrz        | Apr                         | Mai                         | Jun                              | Jul          | Aug                           | Sep                | Okt                       | Nov                             | Dez              |       |  |
| Tageswerte      | 1.             | 13.7                   | 6.15                        | 14.5                        | 14.5               | 23.5       | 17.1                        | 5.80                        | 3.00                             | 2.10         | 0.410                         | 2.10               | 1.45                      | 0.700                           | 4.15             |       |  |
|                 | 2.             | 13.0                   | 7.25                        | 13.7                        | 15.8               | 23.1       | 15.8                        | 10.0                        | 3.45                             | 2.10         | 0.410                         | 2.10               | 3.00                      | 0.550                           | 3.90             |       |  |
|                 | 3.             | 11.0                   | 9.60                        | 11.7                        | 15.4               | 24.3       | 16.7                        | 4.15                        | 3.90                             | 2.30         | 0.410                         | 1.75               | 3.00                      | 2.60                            | 4.15             |       |  |
|                 | 4.             | 13.0                   | 7.50                        | 14.1                        | 15.4               | 29.0       | 15.0                        | 4.15                        | 5.00                             | 1.75         | 0.300                         | 1.45               | 1.60                      | 3.90                            | 4.40             |       |  |
|                 | 5.             | 13.0                   | 4.40                        | 16.3                        | 16.3               | 30.0       | 15.4                        | 6.15                        | 5.50                             | 1.95         | 0.300                         | 1.15               | 1.45                      | 3.00                            | 7.25             |       |  |
|                 | 6.             | 11.7                   | 3.90                        | 17.5                        | 19.5               | 30.0       | 7.00                        | 3.20                        | 6.75                             | 1.95         | 0.300                         | 1.45               | 2.10                      | 0.950                           | 8.30             |       |  |
|                 | 7.             | 13.7                   | 4.40                        | 18.3                        | 18.7               | 29.5       | 11.4                        | 3.20                        | 5.80                             | 1.45         | 0.200                         | 1.30               | 3.90                      | 1.15                            | 7.00             |       |  |
|                 | 8.             | 13.7                   | 5.00                        | 18.3                        | 17.9               | 27.5       | 14.5                        | 5.00                        | 5.50                             | 1.95         | 0.200                         | 0.900              | 4.15                      | 1.45                            | 7.00             |       |  |
|                 | 9.             | 13.3                   | 5.00                        | 18.3                        | 19.9               | 25.5       | 10.6                        | 8.65                        | 5.00                             | 1.75         | 0.200                         | 0.700              | 3.00                      | 1.75                            | 12.0             |       |  |
|                 | 10.            | 13.3                   | 5.00                        | 18.3                        | 19.5               | 24.7       | 9.30                        | 8.30                        | 3.00                             | 2.10         | 0.300                         | 0.700              | 3.20                      | 1.95                            | 13.0             |       |  |
|                 | 11.            | 12.6                   | 5.00                        | 18.7                        | 17.1               | 21.5       | 11.0                        | 7.75                        | 2.30                             | 1.60         | 0.300                         | 0.700              | 3.00                      | 2.80                            | 14.5             |       |  |
|                 | 12.            | 12.6                   | 4.40                        | 14.5                        | 17.1               | 22.7       | 11.7                        | 11.0                        | 2.60                             | 1.45         | 0.410                         | 1.15               | 3.20                      | 2.10                            | 14.1             |       |  |
|                 | 13.            | 13.7                   | 5.50                        | 15.4                        | 18.3               | 21.5       | 8.65                        | 13.3                        | 5.50                             | 0.550        | 1.45                          | 0.950              | 3.20                      | 2.30                            | 12.6             |       |  |
|                 | 14.            | 14.1                   | 10.3                        | 16.7                        | 19.1               | 18.3       | 9.30                        | 16.7                        | 6.40                             | 0.300        | 0.800                         | 0.950              | 3.20                      | 2.30                            | 17.1             |       |  |
|                 | 15.            | 13.3                   | 15.4                        | 16.3                        | 18.3               | 16.7       | 10.6                        | 17.1                        | 3.20                             | 0.300        | 0.410                         | 1.15               | 1.95                      | 2.30                            | 16.3             |       |  |
|                 | 16.            | 11.4                   | 19.5                        | 21.9                        | 17.9               | 19.1       | 9.00                        | 15.0                        | 4.15                             | 0.300        | 0.410                         | 1.45               | 2.30                      | 1.75                            | 15.0             |       |  |
|                 | 17.            | 11.4                   | 19.5                        | 21.9                        | 18.3               | 8.65       | 9.00                        | 14.5                        | 3.45                             | 1.15         | 0.410                         | 1.15               | 2.30                      | 1.60                            | 13.0             |       |  |
|                 | 18.            | 13.7                   | 17.9                        | 20.7                        | 17.5               | 10.3       | 12.0                        | 13.3                        | 3.20                             | 1.60         | 0.700                         | 0.800              | 2.30                      | 1.95                            | 9.30             |       |  |
|                 | 19.            | 13.0                   | 15.4                        | 20.7                        | 15.4               | 10.3       | 15.0                        | 13.7                        | 4.15                             | 1.15         | 0.800                         | 0.800              | 2.30                      | 5.00                            | 12.3             |       |  |
|                 | 20.            | 10.6                   | 19.9                        | 21.1                        | 16.7               | 10.0       | 14.1                        | 12.6                        | 6.40                             | 0.950        | 0.700                         | 1.15               | 2.10                      | 3.70                            | 12.6             |       |  |
|                 | 21.            | 11.7                   | 23.1                        | 21.9                        | 20.7               | 14.1       | 13.0                        | 7.25                        | 9.00                             | 1.15         | 0.550                         | 1.45               | 2.10                      | 3.00                            | 10.0             |       |  |
|                 | 22.            | 12.3                   | 19.1                        | 19.5                        | 21.5               | 14.1       | 11.7                        | 6.15                        | 9.00                             | 0.800        | 1.30                          | 1.15               | 1.30                      | 3.70                            | 9.60             |       |  |
|                 | 23.            | 11.7                   | 18.7                        | 19.1                        | 23.1               | 14.1       | 12.6                        | 5.80                        | 7.50                             | 0.550        | 2.10                          | 0.950              | 0.700                     | 5.25                            | 10.0             |       |  |
|                 | 24.            | 10.3                   | 20.7                        | 17.9                        | 24.3               | 15.8       | 13.0                        | 5.25                        | 8.30                             | 0.550        | 0.800                         | 0.950              | 0.700                     | 4.40                            | 9.00             |       |  |
|                 | 25.            | 9.60                   | 21.1                        | 15.0                        | 24.7               | 16.3       | 13.3                        | 3.00                        | 9.00                             | 0.550        | 0.700                         | 0.800              | 0.800                     | 3.90                            | 8.30             |       |  |
|                 | 26.            | 10.0                   | 18.3                        | 16.3                        | 24.3               | 14.5       | 17.5                        | 2.10                        | 3.45                             | 0.700        | 0.700                         | 0.700              | 1.15                      | 1.75                            | 9.00             |       |  |
|                 | 27.            | 9.60                   | 18.7                        | 19.1                        | 22.7               | 13.0       | 16.3                        | 2.30                        | 2.80                             | 1.45         | 0.800                         | 1.15               | 1.30                      | 1.60                            | 11.4             |       |  |
|                 | 28.            | 9.00                   | 20.3                        | 17.1                        | 23.5               | 13.0       | 14.5                        | 2.60                        | 3.70                             | 1.45         | 0.800                         | 1.15               | 1.75                      | 2.80                            | 13.0             |       |  |
|                 | 29.            | 8.65                   | 19.9                        | 16.7                        | 14.1               | 13.0       | 4.70                        | 4.40                        | 4.40                             | 1.15         | 0.800                         | 1.15               | 2.10                      | 3.90                            | 12.3             |       |  |
|                 | 30.            | 6.75                   | 19.1                        | 15.4                        | 15.0               | 12.0       | 5.25                        | 4.70                        | 3.00                             | 0.800        | 0.700                         | 0.800              | 1.95                      | 4.40                            | 14.1             |       |  |
|                 | 31.            |                        | 15.4                        | 13.3                        | 15.4               | 15.4       | 4.70                        |                             |                                  | 0.550        | 0.800                         |                    | 1.75                      |                                 | 15.0             |       |  |
| Hauptwerte      | Tag            | 30.                    | 6.                          | 3.                          | 1.                 | 17.        | 6.                          | 26.                         | 11.                              | 14.+         | 7.+                           | 9.+                | 23.+                      | 2.                              | 2.               |       |  |
|                 | NO             | 6.75                   | 3.90                        | 11.7                        | 14.5               | 8.65       | 7.00                        | 2.10                        | 2.30                             | 0.300        | 0.200                         | 0.700              | 0.700                     | 0.550                           | 3.90             |       |  |
|                 | MO             | 11.8                   | 13.1                        | 17.4                        | 19.0               | 18.9       | 12.7                        | 7.83                        | 4.95                             | 1.24         | 0.628                         | 1.13               | 2.20                      | 2.62                            | 10.6             |       |  |
|                 | HQ             | 16.3                   | 26.5                        | 23.5                        | 24.7               | 30.5       | 20.7                        | 19.5                        | 10.2                             | 4.70         | 3.90                          | 3.00               | 5.25                      | 8.65                            | 19.1             |       |  |
|                 | Tag            | 7.+                    | 21.                         | 16.+                        | 25.                | 4.         | 8.                          | 14.                         | 21.                              | 8.           | 22.                           | 1.+                | 7.+                       | 19.                             | 14.              |       |  |
|                 | h <sub>N</sub> | mm                     |                             |                             |                    |            |                             |                             |                                  |              |                               |                    |                           |                                 |                  |       |  |
|                 | h <sub>A</sub> | mm                     | 11                          | 13                          | 17                 | 17         | 18                          | 12                          | 8                                | 5            | 1                             | 1                  | 1                         | 2                               | 2                | 10    |  |
|                 |                |                        | 1969/1998                   |                             | 1970/1999 30 Jahre |            |                             |                             |                                  |              |                               |                    |                           |                                 |                  |       |  |
|                 | Jahr           |                        | 1992 +                      | 1992                        | 1973               | 1972       | 1972                        | 1974                        | 1978                             | 1978         | 1976                          | 1976               | 1974                      | 1974                            | 1992 +           | 1992  |  |
|                 | NQ             | m³/s                   | 0.410                       | 0.950                       | 1.50               | 1.60       | 1.80                        | 1.60                        | 0.300                            | 0.300        | 0.001                         | 0.001              | 0.001                     | 0.100                           | 0.410            | 0.950 |  |
|                 | MNQ            | m³/s                   | 3.22                        | 4.61                        | 7.37               | 7.89       | 7.68                        | 7.89                        | 3.91                             | 2.03         | 1.37                          | 1.39               | 1.57                      | 2.32                            | 3.13             | 4.65  |  |
|                 | MO             | m³/s                   | 6.84                        | 10.1                        | 12.9               | 13.7       | 14.6                        | 14.3                        | 9.00                             | 6.58         | 4.07                          | 3.53               | 4.18                      | 5.25                            | 6.58             | 10.1  |  |
|                 | MHQ            | m³/s                   | 15.4                        | 19.8                        | 22.4               | 23.3       | 24.2                        | 24.6                        | 20.2                             | 18.2         | 14.1                          | 10.7               | 12.2                      | 13.9                            | 14.7             | 19.7  |  |
|                 | HQ             | m³/s                   | 32.2                        | 32.7                        | 42.6               | 48.2       | 42.1                        | 38.0                        | 40.1                             | 38.6         | 32.5                          | 23.4               | 23.1                      | 29.8                            | 32.2             | 32.7  |  |
|                 | Jahr           |                        | 1981                        | 1981                        | 1994               | 1994       | 1981                        | 1987                        | 1983                             | 1986         | 1970                          | 1972               | 1977                      | 1981                            | 1981             | 1981  |  |
|                 |                | 1969/1998              |                             | 1970/1999 30 Jahre          |                    |            |                             |                             |                                  |              |                               |                    |                           |                                 |                  |       |  |
| M <sub>N</sub>  | mm             | 6                      | 10                          | 12                          | 12                 | 14         | 13                          | 9                           | 6                                | 4            | 3                             | 4                  | 5                         | 6                               | 10               |       |  |
| M <sub>A</sub>  | mm             |                        |                             |                             |                    |            |                             |                             |                                  |              |                               |                    |                           |                                 |                  |       |  |
| Extremwerte     |                |                        | Abflussjahr (*)             |                             |                    |            | Kalenderjahr                |                             |                                  |              | Unterschrittene Abflüsse m³/s |                    |                           |                                 |                  |       |  |
|                 |                |                        | 1999                        |                             |                    |            | 1999                        |                             |                                  |              | 30 Kalenderjahre              |                    |                           |                                 |                  |       |  |
|                 |                |                        | Jahr                        | Datum                       | Winter             | Sommer     | Jahr                        | Datum                       | Unter schreitungs dauer in Tagen |              | Abfluss-jahr (*) 1999         | Kalender-jahr 1999 | 1970/1999 Obere Hüllwerte | 30 Kalenderjahre Mittlere Werte | Untere Hüllwerte |       |  |
|                 | NQ             | m³/s                   | 0.200                       | am 07.08.1999               | 3.90               | 0.200      | 0.200                       | am 07.08.1999               | (365)                            |              | 30.1                          | 30.1               | 46.7                      | 36.0                            | 13.8             |       |  |
|                 | MQ             | m³/s                   | 9.18                        |                             | 15.5               | 3.00       | 8.22                        |                             | 364                              |              | 30.0                          | 30.0               | 46.6                      | 34.6                            | 13.7             |       |  |
|                 | HQ             | m³/s                   | 30.5                        | am 04.03.1999 bei W= 300 cm | 30.5               | 19.5       | 30.5                        | am 04.03.1999 bei W= 300 cm | 362                              |              | 29.5                          | 29.5               | 44.2                      | 33.6                            | 13.7             |       |  |
|                 | Nq             | l/(s km²)              | 0.072                       |                             | 1.40               | 0.072      | 0.072                       |                             | 361                              |              | 29.0                          | 29.0               | 43.4                      | 31.7                            | 12.7             |       |  |
|                 | Mq             | l/(s km²)              | 3.30                        |                             | 5.57               | 1.08       | 2.96                        |                             | 360                              |              | 27.5                          | 27.5               | 43.4                      | 30.4                            | 12.4             |       |  |
|                 | Hq             | l/(s km²)              | 11.0                        |                             | 11.0               | 7.02       | 11.0                        |                             | 359                              |              | 25.5                          | 25.5               | 42.6                      | 29.8                            | 12.1             |       |  |
|                 | h <sub>N</sub> | mm                     |                             |                             |                    |            |                             |                             | 358                              |              | 25.5                          | 25.5               | 41.0                      | 29.0                            | 12.1             |       |  |
|                 | h <sub>A</sub> | mm                     | 104                         |                             | 87                 | 17         | 93                          |                             | 357                              |              | 24.7                          | 24.7               | 40.2                      | 28.4                            | 11.8             |       |  |
|                 |                |                        | 1970/1999 (*) 30 Jahre      |                             |                    |            | 1970/1999                   |                             |                                  |              | Dauertabelle                  |                    |                           |                                 |                  |       |  |
|                 | NQ             | m³/s                   | 0.001                       | am 21.09.1974               | 0.410              | 0.001      | 0.001                       | am 21.09.1974               | 340                              |              | 21.5                          | 21.1               | 35.0                      | 21.2                            | 10.5             |       |  |
|                 | MNQ            | m³/s                   | 0.778                       |                             | 2.43               | 0.829      | 0.825                       |                             | 330                              |              | 19.9                          | 19.1               | 30.8                      | 18.7                            | 9.86             |       |  |
|                 | MO             | m³/s                   | 8.72                        |                             | 12.1               | 5.43       | 8.71                        |                             | 320                              |              | 19.1                          | 18.3               | 29.0                      | 17.1                            | 8.90             |       |  |
| MHQ             | m³/s           | 30.7                   |                             | 29.2                        | 24.2               | 30.9       |                             | 300                         |                                  | 17.5         | 16.7                          | 26.0               | 14.7                      | 8.28                            |                  |       |  |
| HQ              | m³/s           | 48.2                   | am 02.02.1994 bei W= 324 cm | 48.2                        | 40.1               | 48.2       | am 02.02.1994 bei W= 324 cm | 270                         |                                  | 15.4         | 14.5                          | 23.9               | 12.4                      | 6.40                            |                  |       |  |
| HQ <sub>1</sub> | m³/s           |                        |                             |                             |                    |            |                             | 240                         |                                  | 13.7         | 12.3                          | 20.2               | 10.3                      | 4.98                            |                  |       |  |
| HQ <sub>5</sub> | m³/s           |                        |                             |                             |                    |            |                             | 210                         |                                  | 11.4         | 8.65                          | 17.6               | 8.60                      | 3.79                            |                  |       |  |
| MNQ             | l/(s km²)      | 0.280                  |                             | 0.874                       | 0.298              | 0.297      |                             | 183                         |                                  | 8.65         | 5.25                          | 16.0               | 7.20                      | 2.60                            |                  |       |  |
| Mq              | l/(s km²)      | 3.14                   |                             | 4.35                        | 1.95               | 3.13       |                             | 150                         |                                  | 4.70         | 3.45                          | 13.4               | 5.52                      | 1.60                            |                  |       |  |
| MHQ             | l/(s km²)      | 11.0                   |                             | 10.5                        | 8.71               | 11.1       |                             | 130                         |                                  | 3.45         | 2.60                          | 11.4               | 4.60                      | 1.45                            |                  |       |  |
|                 |                | 1970/1999 (*) 30 Jahre |                             |                             |                    | 1970/1999  |                             |                             |                                  | Dauertabelle |                               |                    |                           |                                 |                  |       |  |
| M <sub>N</sub>  | mm             | 99                     |                             | 68                          | 31                 | 99         |                             | 120                         |                                  | 3.20         | 2.30                          | 10.8               | 4.15                      | 1.33                            |                  |       |  |
| M <sub>A</sub>  | mm             |                        |                             |                             |                    |            |                             | 110                         |                                  | 2.60         | 2.10                          | 10.5               | 3.69                      | 1.30                            |                  |       |  |
|                 |                | Niedrigwasser          |                             |                             |                    | Hochwasser |                             |                             |                                  |              |                               |                    |                           |                                 |                  |       |  |
|                 |                | m³/s                   | l/(s km²)                   | Datum                       | m³/s               | l/(s km²)  | cm                          | Datum                       |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 1               |                | 0.001                  |                             | 16.07.1976                  | 48.2               | 17.3       | 324                         | 02.02.1994                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 2               |                | 0.001                  |                             | 21.09.1974                  | 42.1               | 15.1       | 323                         | 13.03.1981                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 3               |                | 0.200                  | 0.072                       | 07.08.1999                  | 40.1               | 14.4       | 319                         | 03.05.1983                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 4               |                | 0.300                  | 0.108                       | 10.07.1979                  | 39.1               | 14.1       | 317                         | 11.03.1979                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 5               |                | 0.300                  | 0.108                       | 22.06.1978                  | 38.6               | 13.9       | 316                         | 09.06.1986                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 6               |                | 0.300                  | 0.108                       | 17.07.1977                  | 38.6               | 13.9       | 316                         | 13.03.1982                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 7               |                | 0.300                  | 0.108                       | 11.09.1973                  | 38.0               | 13.7       | 315                         | 11.04.1987                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 8               |                | 0.410                  | 0.148                       | 04.07.1998                  | 35.6               | 12.8       | 308                         | 27.04.1970                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 9               |                | 0.410                  | 0.148                       | 22.10.1997                  | 35.0               | 12.6       | 309                         | 17.03.1988                  |                                  |              |                               |                    |                           |                                 |                  |       |  |
| 10              |                | 0.410                  | 0.148                       | 12.11.1992                  | 34.1               | 12.3       | 305                         | 28.04.1980                  |                                  |              |                               |                    |                           |                                 |                  |       |  |

Extremwerte ab 1969

(\*) Abflussjahr: 1.11. des Vorjahres bis 31.10.

Abflüsse bis 31.01.1980 aus Terminbeobachtungen W ermittelt, danach aus Tagesmitteln W

Neuer Höhenbezug des PNP durch Umstellung auf DHHN92