

A<sub>Eo</sub> : 67.85 km<sup>2</sup>

PNP : NHN+ 62.33 m

Lage : 19.51 km



Pegel : Sendenhorst

Gewässer: Angel

m<sup>3</sup>/s

Nr. 3283000000100

|             | Tag                    | 2010                  |                            | 2011           |       |       |  |  |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|-------------|------------------------|-----------------------|----------------------------|----------------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|--------------|--|--|--|--|--|--|--|--|
|             |                        | Nov                   | Dez                        | Jan            | Feb   | Mrz   | Apr  | Mai  | Jun   | Jul   | Aug   | Sep   | Okt   | Nov   | Dez          |  |  |  |  |  |  |  |  |
| Tageswerte  | 1.                     | 0.234                 | 0.599                      | 0.809          | 0.677 | 0.342 | 0.222                                      | 0.161                                      | 0.207 | 0.118 | 0.096 | 0.097 | 0.095 | 0.172 | 0.213        |  |  |  |  |  |  |  |  |
|             | 2.                     | 0.191                 | 0.557                      | 1.39           | 0.655 | 0.326 | 0.206                                      | 0.158                                      | 0.136 | 0.134 | 0.096 | 0.095 | 0.095 | 0.160 | 0.265        |  |  |  |  |  |  |  |  |
|             | 3.                     | 0.193                 | 0.505                      | 1.16           | 0.687 | 0.329 | 0.212                                      | 0.157                                      | 0.131 | 0.117 | 0.095 | 0.095 | 0.097 | 0.169 | 0.290        |  |  |  |  |  |  |  |  |
|             | 4.                     | 0.386                 | 0.464                      | 1.13           | 0.665 | 0.312 | 0.235                                      | 0.157                                      | 0.131 | 0.116 | 0.223 | 0.105 | 0.099 | 0.167 | 0.293        |  |  |  |  |  |  |  |  |
|             | 5.                     | 0.321                 | 0.674                      | 1.12           | 0.762 | 0.302 | 0.272                                      | 0.156                                      | 0.131 | 0.115 | 0.125 | 0.480 | 0.102 | 0.166 | 0.284        |  |  |  |  |  |  |  |  |
|             | 6.                     | 2.24                  | 0.796                      | 2.18           | 0.730 | 0.291 | 0.229                                      | 0.155                                      | 0.140 | 0.115 | 0.098 | 0.135 | 0.122 | 0.168 | 0.254        |  |  |  |  |  |  |  |  |
|             | 7.                     | 2.86                  | 0.591                      | 9.98           | 0.669 | 0.283 | 0.215                                      | 0.154                                      | 0.137 | 0.114 | 0.096 | 0.433 | 0.200 | 0.170 | 0.291        |  |  |  |  |  |  |  |  |
|             | 8.                     | 1.37                  | 0.540                      | 10.8           | 0.593 | 0.276 | 0.208                                      | 0.154                                      | 0.149 | 0.113 | 0.097 | 0.404 | 0.137 | 0.172 | 0.338        |  |  |  |  |  |  |  |  |
|             | 9.                     | 1.02                  | 0.488                      | 10.1           | 0.500 | 0.271 | 0.206                                      | 0.151                                      | 0.188 | 0.112 | 0.178 | 0.262 | 0.188 | 0.175 | 0.395        |  |  |  |  |  |  |  |  |
|             | 10.                    | 1.15                  | 0.510                      | 4.77           | 0.465 | 0.273 | 0.206                                      | 0.149                                      | 0.132 | 0.110 | 0.100 | 0.145 | 0.146 | 0.180 | 0.316        |  |  |  |  |  |  |  |  |
|             | 11.                    | 2.40                  | 6.85                       | 3.03           | 0.821 | 0.278 | 0.205                                      | 0.148                                      | 0.131 | 0.110 | 0.095 | 0.152 | 0.159 | 0.179 | 0.256        |  |  |  |  |  |  |  |  |
|             | 12.                    | 3.27                  | 7.69                       | 2.54           | 1.35  | 0.260 | 0.235                                      | 0.147                                      | 0.129 | 0.110 | 0.122 | 0.575 | 1.13  | 0.180 | 0.268        |  |  |  |  |  |  |  |  |
|             | 13.                    | 10.6                  | 3.50                       | 9.89           | 1.78  | 0.251 | 0.243                                      | 0.146                                      | 0.127 | 0.220 | 0.134 | 0.264 | 0.788 | 0.182 | 0.371        |  |  |  |  |  |  |  |  |
|             | 14.                    | 8.56                  | 2.10                       | 8.74           | 1.27  | 0.246 | 0.249                                      | 0.146                                      | 0.130 | 0.141 | 0.306 | 0.137 | 0.330 | 0.184 | 0.769        |  |  |  |  |  |  |  |  |
|             | 15.                    | 3.92                  | 1.61                       | 5.00           | 1.45  | 0.272 | 0.196                                      | 0.145                                      | 0.130 | 0.195 | 0.300 | 0.116 | 0.201 | 0.186 | 1.02         |  |  |  |  |  |  |  |  |
|             | 16.                    | 2.44                  | 1.46                       | 3.24           | 1.35  | 0.257 | 0.194                                      | 0.148                                      | 0.274 | 0.137 | 0.109 | 0.108 | 0.157 | 0.187 | 3.10         |  |  |  |  |  |  |  |  |
|             | 17.                    | 1.79                  | 1.29                       | 2.42           | 1.04  | 0.246 | 0.196                                      | 0.159                                      | 0.359 | 0.199 | 0.096 | 0.100 | 0.142 | 0.189 | 3.42         |  |  |  |  |  |  |  |  |
|             | 18.                    | 1.48                  | 1.07                       | 2.85           | 0.874 | 0.235 | 0.192                                      | 0.146                                      | 0.164 | 0.132 | 0.094 | 0.105 | 0.164 | 0.191 | 1.71         |  |  |  |  |  |  |  |  |
|             | 19.                    | 1.24                  | 0.959                      | 3.40           | 0.771 | 0.227 | 0.188                                      | 0.144                                      | 0.230 | 0.116 | 0.685 | 0.101 | 0.178 | 0.193 | 1.20         |  |  |  |  |  |  |  |  |
|             | 20.                    | 1.07                  | 0.869                      | 2.90           | 0.660 | 0.218 | 0.188                                      | 0.145                                      | 0.153 | 0.121 | 0.181 | 0.097 | 0.152 | 0.195 | 1.21         |  |  |  |  |  |  |  |  |
|             | 21.                    | 0.957                 | 0.803                      | 2.25           | 0.515 | 0.219 | 0.182                                      | 0.143                                      | 0.135 | 0.116 | 0.105 | 0.096 | 0.147 | 0.196 | 2.63         |  |  |  |  |  |  |  |  |
|             | 22.                    | 0.844                 | 0.720                      | 1.93           | 0.449 | 0.214 | 0.178                                      | 0.140                                      | 0.207 | 0.098 | 0.318 | 0.093 | 0.146 | 0.196 | 1.67         |  |  |  |  |  |  |  |  |
|             | 23.                    | 0.768                 | 0.710                      | 1.86           | 0.425 | 0.210 | 0.174                                      | 0.140                                      | 0.335 | 0.098 | 0.244 | 0.093 | 0.146 | 0.198 | 1.77         |  |  |  |  |  |  |  |  |
|             | 24.                    | 0.880                 | 0.655                      | 1.71           | 0.416 | 0.209 | 0.169                                      | 0.140                                      | 0.143 | 0.194 | 0.148 | 0.092 | 0.146 | 0.200 | 1.97         |  |  |  |  |  |  |  |  |
|             | 25.                    | 1.13                  | 0.578                      | 1.94           | 0.414 | 0.216 | 0.166                                      | 0.138                                      | 0.133 | 0.421 | 0.104 | 0.092 | 0.148 | 0.201 | 1.58         |  |  |  |  |  |  |  |  |
|             | 26.                    | 1.76                  | 0.555                      | 2.17           | 0.412 | 0.216 | 0.162                                      | 0.137                                      | 0.151 | 0.153 | 0.100 | 0.092 | 0.148 | 0.206 | 1.11         |  |  |  |  |  |  |  |  |
|             | 27.                    | 1.29                  | 0.563                      | 1.66           | 0.396 | 0.221 | 0.169                                      | 0.137                                      | 0.130 | 0.103 | 0.491 | 0.092 | 0.148 | 0.205 | 0.922        |  |  |  |  |  |  |  |  |
|             | 28.                    | 0.980                 | 0.560                      | 1.32           | 0.385 | 0.209 | 0.289                                      | 0.138                                      | 0.124 | 0.102 | 0.442 | 0.092 | 0.150 | 0.234 | 0.836        |  |  |  |  |  |  |  |  |
|             | 29.                    | 0.808                 | 0.563                      | 1.14           | 0.205 | 0.320 | 0.135                                      | 0.120                                      | 0.101 | 0.144 | 0.092 | 0.152 | 0.213 | 0.709 |              |  |  |  |  |  |  |  |  |
|             | 30.                    | 0.681                 | 0.548                      | 0.953          | 0.204 | 0.173 | 0.135                                      | 0.137                                      | 0.097 | 0.117 | 0.094 | 0.154 | 0.211 | 2.74  |              |  |  |  |  |  |  |  |  |
|             | 31.                    |                       | 0.544                      | 0.777          | 0.207 |       |  | 0.170                                      | 0.096 | 0.102 |       | 0.156 |       |       | 2.26         |  |  |  |  |  |  |  |  |
| Hauptwerte  | Tag                    | 2.                    | 4.                         | 31.            | 28.   | 30.   | 26.  | 30.+                                       | 29.   | 31.   | 18.   | 28.+  | 1.+   | 2.    | 1.           |  |  |  |  |  |  |  |  |
|             | NQ                     | 0.191                 | 0.464                      | 0.777          | 0.385 | 0.204 | 0.162                                      | 0.135                                      | 0.120 | 0.096 | 0.094 | 0.092 | 0.095 | 0.160 | 0.213        |  |  |  |  |  |  |  |  |
|             | MQ                     | 1.89                  | 1.29                       | 3.39           | 0.756 | 0.252 | 0.216                                      | 0.148                                      | 0.169 | 0.136 | 0.182 | 0.164 | 0.204 | 0.188 | 1.11         |  |  |  |  |  |  |  |  |
|             | HQ                     | 15.3                  | 11.4                       | 13.0           | 2.26  | 0.358 | 0.724                                      | 0.326                                      | 0.992 | 0.557 | 1.65  | 1.04  | 1.72  | 0.324 | 6.95         |  |  |  |  |  |  |  |  |
|             | Tag                    | 13.                   | 11.                        | 13.            | 12.   | 1.    | 28.  | 31.  | 16.   | 25.   | 19.   | 5.    | 12.   | 28.   | 16.          |  |  |  |  |  |  |  |  |
|             | $h_N$ mm               | 72                    | 51                         | 134            | 27    | 10    | 8  | 6  | 6     | 5     | 7     | 6     | 8     | 7     | 44           |  |  |  |  |  |  |  |  |
| Hauptwerte  | 1959/2010              |                       | 1960/2011 52 Kalenderjahre |                |       |       |  |  |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | Jahr                   | 1959                  | 1959                       | 1960           | 1960  | 1960  | 1960                                       | 1960                                       | 1960  | 1960  | 1960  | 1973  | 1973  | 1983  | 1989         |  |  |  |  |  |  |  |  |
|             | NQ                     | 0.044                 | 0.019                      | 0.032          | 0.069 | 0.050 | 0.036                                      | 0.024                                      | 0.017 | 0.027 | 0.038 | 0.037 | 0.051 | 0.053 | 0.087        |  |  |  |  |  |  |  |  |
|             | MNQ                    | 0.196                 | 0.339                      | 0.404          | 0.420 | 0.394 | 0.313                                      | 0.197                                      | 0.161 | 0.138 | 0.128 | 0.124 | 0.144 | 0.198 | 0.343        |  |  |  |  |  |  |  |  |
|             | MQ                     | 0.782                 | 1.28                       | 1.43           | 1.24  | 1.15  | 0.769                                      | 0.506                                      | 0.334 | 0.353 | 0.317 | 0.332 | 0.433 | 0.785 | 1.30         |  |  |  |  |  |  |  |  |
|             | MHQ                    | 4.87                  | 7.00                       | 6.82           | 5.42  | 5.74  | 3.25                                       | 3.48                                       | 2.20  | 2.60  | 2.77  | 2.66  | 2.73  | 4.88  | 7.13         |  |  |  |  |  |  |  |  |
|             | Jahr                   | 17.3                  | 22.5                       | 19.7           | 15.8  | 18.0  | 12.8                                       | 20.9                                       | 18.4  | 15.0  | 16.0  | 13.3  | 17.4  | 17.3  | 22.5         |  |  |  |  |  |  |  |  |
|             | Mh <sub>N</sub> mm     | 1998                  | 1960                       | 2003           | 1970  | 1963  | 1986                                       | 2001                                       | 1981  | 1980  | 2007  | 2007  | 1998  | 1998  | 1960         |  |  |  |  |  |  |  |  |
|             | Mh <sub>A</sub> mm     | 30                    | 50                         | 56             | 45    | 45    | 29   | 20   | 13    | 14    | 12    | 13    | 17    | 30    | 51           |  |  |  |  |  |  |  |  |
| Extremwerte | Abflussjahr (*) 2011   |                       | Kalenderjahr 2011          |                |       |       |  |  |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | Jahr                   | Datum                 | Winter                     | Sommer         | Jahr  | Datum | Unterschrittene Abflüsse m <sup>3</sup> /s |  |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | NQ                     | m <sup>3</sup> /s     | 0.092 am 28.09.2011        |                | 0.162 | 0.092 | 0.092 am 28.09.2011                        | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | MQ                     | m <sup>3</sup> /s     | 0.735                      |                | 1.31  | 0.167 | 0.580                                      | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | HQ                     | m <sup>3</sup> /s     | 15.3 am 13.11.2010         | bei W = 273 cm | 15.3  | 1.72  | 13.0 am 13.01.2011                         | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | Nq                     | l/(skm <sup>2</sup> ) | 1.35                       |                | 2.39  | 1.35  | 1.35                                       | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | Mq                     | l/(skm <sup>2</sup> ) | 10.8                       |                | 19.3  | 2.47  | 8.54                                       | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | Hq                     | l/(skm <sup>2</sup> ) | 226                        |                | 226   | 25.4  | 192  | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | $h_N$ mm               | 342                   |                            |                | 302   | 39    | 269  | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | 1960/2011 (*) 52 Jahre |                       | 1960/2011                  |                |       |       |  |  |       |       |       |       |       |       | Dauertabelle |  |  |  |  |  |  |  |  |
|             | NQ                     | m <sup>3</sup> /s     | 0.017 am 26.06.1960        |                | 0.019 | 0.017 | 0.017 am 26.06.1960                        | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | MNQ                    | m <sup>3</sup> /s     | 0.084                      |                | 0.161 | 0.091 | 0.089                                      | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | MQ                     | m <sup>3</sup> /s     | 0.742                      |                | 1.11  | 0.380 | 0.744                                      | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | MHQ                    | m <sup>3</sup> /s     | 12.4                       |                | 11.0  | 6.92  | 12.2                                       | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | HQ                     | m <sup>3</sup> /s     | 22.5 am 05.12.1960         | bei W = 294 cm | 22.5  | 20.9  | 22.5 am 05.12.1960                         | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |
|             | HQ <sub>1</sub>        | m <sup>3</sup> /s     | 11.1                       |                |       |       |  | Unterschrittene Abflüsse m <sup>3</sup> /s |       |       |       |       |       |       |              |  |  |  |  |  |  |  |  |