

**Abfluss**



**Marchbach - Oberwil**

Stationsnummer: BL 4312

Einzugsgebiet: 27.00 km<sup>2</sup>

Höhe Station: 296.00 m ü. M.

**Kanton Basel-Landschaft**

Tiefbauamt, Geschäftsbereich Wasserbau

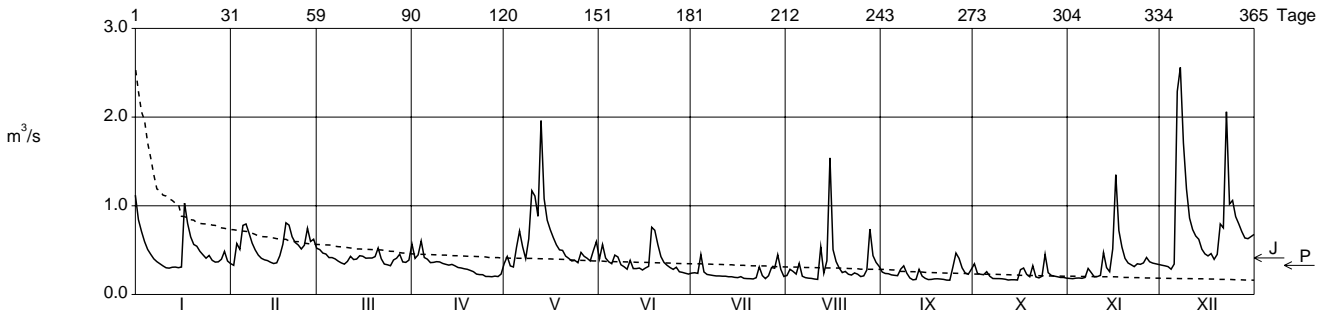
Koordinaten: 609 100 / 262 460

Mittlere Höhe: 462.00 m ü. M.

| 2010              |             | Januar      | Februar      | März        | April       | Mai         | Juni        | Juli        | August       | September     | Oktober     | November      | Dezember                   |    |
|-------------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|-------------|---------------|----------------------------|----|
| Tagesmittel       | 1           | 1.12 +      | 0.348        | 0.521       | 0.569       | 0.348       | 0.401       | 0.241       | 0.214        | 0.253         | 0.346       | 0.181         | 0.330                      | 1  |
|                   | 2           | 0.843       | 0.329 -      | 0.506       | 0.407       | 0.428       | 0.563       | 0.245       | 0.284        | 0.237         | 0.237       | 0.178 -       | 0.323                      | 2  |
|                   | 3           | 0.711       | 0.574        | 0.467       | 0.446       | 0.322       | 0.411       | 0.238       | 0.260        | 0.234         | 0.228       | 0.184         | 0.314                      | 3  |
|                   | 4           | 0.596       | 0.509        | 0.456       | 0.603+      | 0.310 -     | 0.369       | 0.450+      | 0.230        | 0.221         | 0.223       | 0.186         | 0.285 -                    | 4  |
|                   | 5           | 0.508       | 0.779        | 0.416       | 0.417       | 0.529       | 0.347       | 0.254       | 0.351        | 0.216         | 0.257       | 0.182         | 0.343                      | 5  |
|                   | 6           | 0.453       | 0.795        | 0.416       | 0.398       | 0.715       | 0.444       | 0.226       | 0.206        | 0.212         | 0.206       | 0.142         | 2.29                       | 6  |
|                   | 7           | 0.402       | 0.691        | 0.401       | 0.359       | 0.539       | 0.423       | 0.220       | 0.190        | 0.285         | 0.180       | 0.293         | 2.56 +                     | 7  |
|                   | 8           | 0.370       | 0.579        | 0.376       | 0.362       | 0.404       | 0.335       | 0.214       | 0.184        | 0.323         | 0.179       | 0.247         | 1.71                       | 8  |
|                   | 9           | 0.346       | 0.502        | 0.356       | 0.370       | 0.627       | 0.313       | 0.209       | 0.181        | 0.240         | 0.179       | 0.199         | 1.19                       | 9  |
|                   | 10          | 0.322       | 0.444        | 0.342       | 0.367       | 1.17        | 0.285       | 0.209       | 0.174        | 0.186         | 0.177       | 0.202         | 0.861                      | 10 |
| m <sup>3</sup> /s | 11          | 0.301       | 0.408        | 0.373       | 0.350       | 1.11        | 0.385       | 0.206       | 0.170 -      | 0.165         | 0.172       | 0.215         | 0.732                      | 11 |
|                   | 12          | 0.297 -     | 0.391        | 0.430       | 0.340       | 0.882       | 0.292       | 0.206       | 0.537        | 0.170         | 0.163 -     | 0.472         | 0.660                      | 12 |
|                   | 13          | 0.307       | 0.382        | 0.394       | 0.331       | 1.96 +      | 0.292       | 0.200       | 0.240        | 0.283         | 0.166       | 0.303         | 0.622                      | 13 |
|                   | 14          | 0.309       | 0.363        | 0.399       | 0.339       | 1.08        | 0.298       | 0.200       | 0.380        | 0.207         | 0.166       | 0.257         | 0.511                      | 14 |
|                   | 15          | 0.302       | 0.349        | 0.437       | 0.323       | 0.838       | 0.276       | 0.193       | 1.54 +       | 0.182         | 0.163 -     | 0.513         | 0.458                      | 15 |
|                   | 16          | 0.309       | 0.357        | 0.431       | 0.304       | 0.730       | 0.299       | 0.190       | 0.506        | 0.168         | 0.280       | 1.35 +        | 0.435                      | 16 |
|                   | 17          | 1.03        | 0.437        | 0.409       | 0.299       | 0.640       | 0.317       | 0.201       | 0.371        | 0.170         | 0.298       | 0.721         | 0.461                      | 17 |
|                   | 18          | 0.801       | 0.567        | 0.411       | 0.290       | 0.559       | 0.758+      | 0.182       | 0.299        | 0.176         | 0.227       | 0.534         | 0.396                      | 18 |
|                   | 19          | 0.649       | 0.808+       | 0.411       | 0.284       | 0.503       | 0.724       | 0.179       | 0.247        | 0.177         | 0.200       | 0.407         | 0.452                      | 19 |
|                   | 20          | 0.564       | 0.782        | 0.427       | 0.271       | 0.497       | 0.563       | 0.178       | 0.260        | 0.174         | 0.324       | 0.355         | 0.795                      | 20 |
| + Maximum         | 21          | 0.544       | 0.651        | 0.524+      | 0.257       | 0.433       | 0.427       | 0.175 -     | 0.228        | 0.170         | 0.198       | 0.335         | 0.751                      | 21 |
|                   | 22          | 0.487       | 0.586        | 0.403       | 0.230       | 0.407       | 0.361       | 0.189       | 0.219        | 0.162         | 0.187       | 0.314         | 2.06                       | 22 |
|                   | 23          | 0.447       | 0.558        | 0.343       | 0.224       | 0.378       | 0.329       | 0.311       | 0.243        | 0.161 -       | 0.206       | 0.346         | 1.02                       | 23 |
|                   | 24          | 0.409       | 0.513        | 0.335       | 0.223       | 0.384       | 0.303       | 0.213       | 0.229        | 0.310         | 0.452+      | 0.340         | 1.06                       | 24 |
|                   | 25          | 0.440       | 0.556        | 0.324 -     | 0.203       | 0.358       | 0.283       | 0.179       | 0.202        | 0.467+        | 0.246       | 0.356         | 0.878                      | 25 |
| - Minimum         | 26          | 0.385       | 0.746        | 0.389       | 0.203       | 0.474       | 0.307       | 0.211       | 0.210        | 0.407         | 0.215       | 0.417         | 0.797                      | 26 |
|                   | 27          | 0.365       | 0.598        | 0.409       | 0.200 -     | 0.431       | 0.256       | 0.304       | 0.277        | 0.300         | 0.207       | 0.369         | 0.709                      | 27 |
|                   | 28          | 0.368       | 0.623        | 0.454       | 0.207       | 0.408       | 0.249       | 0.296       | 0.738        | 0.242         | 0.200       | 0.354         | 0.637                      | 28 |
|                   | 29          | 0.397       |              | 0.367       | 0.202       | 0.378       | 0.239       | 0.448       | 0.438        | 0.228         | 0.192       | 0.346         | 0.629                      | 29 |
|                   | 30          | 0.486       |              | 0.362       | 0.230       | 0.492       | 0.230 -     | 0.283       | 0.362        | 0.284         | 0.192       | 0.338         | 0.653                      | 30 |
|                   | 31          | 0.377       |              | 0.387       |             | 0.596       |             | 0.203       | 0.317        |               | 0.184       |               | 0.677                      | 31 |
| Monatsumme        | 0.492       | 0.544       | 0.409        | 0.320       | 0.611       | 0.369       | 0.234       | 0.332       | 0.234        | 0.221-        | 0.356       | 0.826+        | m <sup>3</sup> /s          |    |
| Maximum (Spitze)  | 1.63<br>17. | 1.24<br>19. | 0.820<br>21. | 1.11<br>04. | 3.26<br>11. | 1.78<br>18. | 1.75<br>04. | 4.40<br>15. | 0.910<br>25. | 0.680-<br>24. | 2.07<br>16. | 4.42 +<br>06. | m <sup>3</sup> /s<br>Datum |    |

**Jahresmittel** 0.412 m<sup>3</sup>/s

— Ganglinie der Tagesmittel    - - - - Dauerlinie der Tagesmittel (erreicht oder überschritten)    ← J Jahresmittel (2010)    ← P Periodenmittel (1980 - 2010)



| Periode                | 1980 - 2010 (31 Jahre) |               |                |               |                |               |                |               |               |               |               |               |                           |
|------------------------|------------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------------------|
| Monatsumme             | 0.379                  | 0.369         | 0.402          | 0.401         | 0.404+         | 0.312         | 0.248          | 0.226         | 0.220-        | 0.280         | 0.296         | 0.403         | m <sup>3</sup> /s         |
| Maximum (Spitze)       | 4.57 -<br>1981         | 9.94<br>1999  | 8.73<br>2006   | 8.89<br>2006  | 17.1 +<br>1994 | 13.0<br>1995  | 10.7<br>1997   | 16.5<br>2007  | 8.41<br>1987  | 5.67<br>2002  | 7.78<br>1995  | 5.87<br>1995  | m <sup>3</sup> /s<br>Jahr |
| Minimum (Momentanwert) | 0.068<br>2004          | 0.102<br>2008 | 0.114+<br>2000 | 0.094<br>2002 | 0.077<br>2004  | 0.060<br>2003 | 0.048-<br>2003 | 0.051<br>2003 | 0.050<br>2004 | 0.055<br>2003 | 0.062<br>2009 | 0.074<br>2003 | m <sup>3</sup> /s<br>Jahr |

**Grösstes Jahresmittel** 0.484 (2006) m<sup>3</sup>/s      **Periodenmittel** 0.328 m<sup>3</sup>/s      **Kleinstes Jahresmittel** 0.207 (1989) m<sup>3</sup>/s

| Dauer der Tagesmittelwerte des Abflusses (erreicht oder überschritten) |       |       |       |       |       |       |       |       |       |       |       |       |                   |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Tage   | 1     | 3     | 6     | 9     | 18    | 36    | 55    | 73    | 91    | 114   | 137   | 160   |                   |
| 2010   | 2.56  | 2.06  | 1.54  | 1.17  | 0.861 | 0.715 | 0.586 | 0.513 | 0.458 | 0.427 | 0.399 | 0.368 | m <sup>3</sup> /s |
| 1980 - 2010  | 2.67  | 1.66  | 1.24  | 1.05  | 0.797 | 0.601 | 0.486 | 0.418 | 0.366 | 0.322 | 0.287 | 0.260 | m <sup>3</sup> /s |
| Tage   | 182   | 205   | 228   | 251   | 274   | 292   | 310   | 329   | 347   | 356   | 362   | 365   |                   |
| 2010   | 0.346 | 0.322 | 0.299 | 0.260 | 0.230 | 0.214 | 0.203 | 0.187 | 0.177 | 0.170 | 0.163 | 0.161 | m <sup>3</sup> /s |
| 1980 - 2010  | 0.238 | 0.219 | 0.203 | 0.187 | 0.171 | 0.158 | 0.146 | 0.131 | 0.117 | 0.109 | 0.102 | 0.085 | m <sup>3</sup> /s |

**Wasserstand**



**Marchbach - Oberwil**

Stationsnummer: BL 4312

Einzugsgebiet: 27.00 km<sup>2</sup>

Höhe Station: 296.00 m ü. M.

**Kanton Basel-Landschaft**

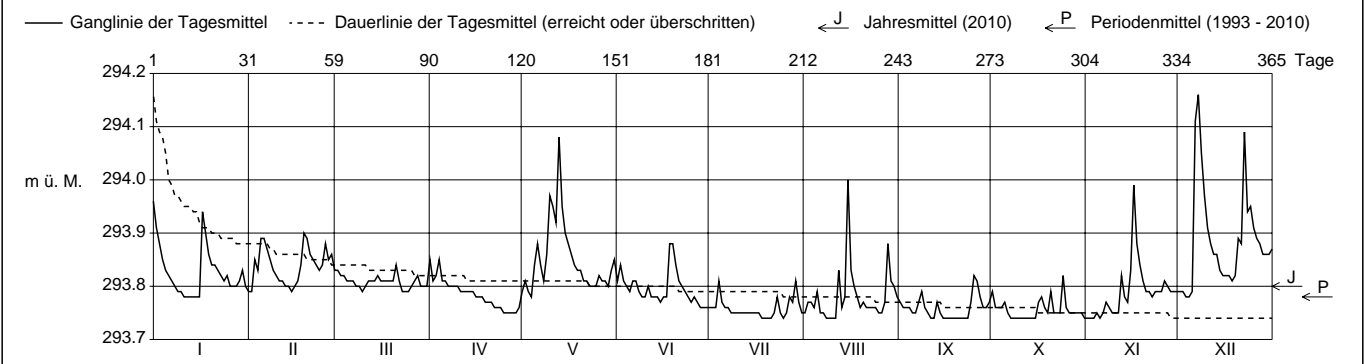
Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 609 100 / 262 460

Mittlere Höhe: 462.00 m ü. M.

| 2010             |               | Januar        | Februar       | März          | April         | Mai           | Juni          | Juli            | August        | September       | Oktober       | November        | Dezember         |        |    |
|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|------------------|--------|----|
| Tagesmittel      | 1             | 293.96 +      | 293.79 -      | 293.83        | 293.85 +      | 293.79        | 293.81        | 293.76          | 293.75        | 293.77          | 293.79        | 293.74 -        | 293.79           | 1      |    |
|                  | 2             | 293.91        | 293.79        | 293.83        | 293.81        | 293.81        | 293.84        | 293.76          | 293.77        | 293.76          | 293.76        | 293.74 -        | 293.79           | 2      |    |
|                  | 3             | 293.88        | 293.85        | 293.82        | 293.82        | 293.79        | 293.81        | 293.76          | 293.77        | 293.76          | 293.76        | 293.74 -        | 293.78           | 3      |    |
|                  | 4             | 293.85        | 293.83        | 293.82        | 293.85 +      | 293.78 -      | 293.80        | 293.81 +        | 293.76        | 293.76          | 293.76        | 293.75          | 293.78           | 4      |    |
|                  | 5             | 293.83        | 293.89        | 293.81        | 293.81        | 293.84        | 293.79        | 293.77          | 293.79        | 293.75          | 293.77        | 293.74 -        | 293.79           | 5      |    |
|                  | 6             | 293.82        | 293.89        | 293.81        | 293.81        | 293.88        | 293.81        | 293.76          | 293.75        | 293.75          | 293.75        | 293.75          | 293.75           | 294.11 | 6  |
|                  | 7             | 293.81        | 293.87        | 293.81        | 293.80        | 293.84        | 293.81        | 293.76          | 293.75        | 293.77          | 293.74 -      | 293.77          | 294.16 +         | 7      |    |
|                  | 8             | 293.80        | 293.85        | 293.80        | 293.80        | 293.81        | 293.79        | 293.75          | 293.74 -      | 293.79          | 293.74 -      | 293.76          | 294.05           | 8      |    |
|                  | 9             | 293.79        | 293.83        | 293.80        | 293.80        | 293.86        | 293.78        | 293.75          | 293.74 -      | 293.76          | 293.74 -      | 293.75          | 293.97           | 9      |    |
|                  | 10            | 293.79        | 293.82        | 293.79 -      | 293.80        | 293.97        | 293.78        | 293.75          | 293.74 -      | 293.75          | 293.74 -      | 293.75          | 293.91           | 10     |    |
| m ü. M.          | 11            | 293.78 -      | 293.81        | 293.80        | 293.79        | 293.95        | 293.80        | 293.75          | 293.74 -      | 293.74 -        | 293.74 -      | 293.75          | 293.88           | 11     |    |
|                  | 12            | 293.78 -      | 293.81        | 293.81        | 293.79        | 293.92        | 293.78        | 293.75          | 293.83        | 293.74 -        | 293.74 -      | 293.82          | 293.86           | 12     |    |
|                  | 13            | 293.78 -      | 293.80        | 293.81        | 293.79        | 294.08 +      | 293.78        | 293.75          | 293.76        | 293.77          | 293.74 -      | 293.78          | 293.86           | 13     |    |
|                  | 14            | 293.78 -      | 293.80        | 293.81        | 293.79        | 293.95        | 293.78        | 293.75          | 293.78        | 293.75          | 293.74 -      | 293.77          | 293.83           | 14     |    |
|                  | 15            | 293.78 -      | 293.79 -      | 293.82        | 293.79        | 293.90        | 293.77        | 293.75          | 294.00 +      | 293.74 -        | 293.74 -      | 293.83          | 293.82           | 15     |    |
|                  | 16            | 293.78 -      | 293.80        | 293.81        | 293.78        | 293.88        | 293.78        | 293.75          | 293.83        | 293.74 -        | 293.77        | 293.99 +        | 293.82           | 16     |    |
|                  | 17            | 293.94        | 293.81        | 293.81        | 293.78        | 293.86        | 293.78        | 293.75          | 293.80        | 293.74 -        | 293.78        | 293.88          | 293.82           | 17     |    |
|                  | 18            | 293.90        | 293.84        | 293.81        | 293.78        | 293.84        | 293.88        | 293.74 -        | 293.78        | 293.74 -        | 293.76        | 293.84          | 293.81           | 18     |    |
|                  | 19            | 293.86        | 293.90        | 293.81        | 293.77        | 293.83        | 293.88        | 293.74 -        | 293.76        | 293.74 -        | 293.75        | 293.81          | 293.82           | 19     |    |
|                  | 20            | 293.84        | 293.89        | 293.81        | 293.77        | 293.83        | 293.84        | 293.74 -        | 293.77        | 293.74 -        | 293.79        | 293.79          | 293.89           | 20     |    |
| + Maximum        | 21            | 293.84        | 293.86        | 293.84 +      | 293.77        | 293.81        | 293.81        | 293.74 -        | 293.76        | 293.74 -        | 293.75        | 293.79          | 293.88           | 21     |    |
|                  | 22            | 293.83        | 293.85        | 293.81        | 293.76        | 293.81        | 293.80        | 293.75          | 293.76        | 293.74 -        | 293.75        | 293.78          | 294.09           | 22     |    |
|                  | 23            | 293.82        | 293.84        | 293.79 -      | 293.76        | 293.80        | 293.79        | 293.78          | 293.76        | 293.74 -        | 293.75        | 293.79          | 293.94           | 23     |    |
|                  | 24            | 293.81        | 293.83        | 293.79 -      | 293.76        | 293.80        | 293.78        | 293.75          | 293.76        | 293.77          | 293.82 +      | 293.79          | 293.95           | 24     |    |
|                  | 25            | 293.82        | 293.84        | 293.79 -      | 293.75 -      | 293.80        | 293.77        | 293.74 -        | 293.75        | 293.82 +        | 293.76        | 293.79          | 293.91           | 25     |    |
|                  | - Minimum     | 26            | 293.80        | 293.88        | 293.80        | 293.75 -      | 293.82        | 293.78          | 293.75        | 293.81          | 293.75        | 293.81          | 293.89           | 293.88 | 26 |
|                  |               | 27            | 293.80        | 293.85        | 293.81        | 293.75 -      | 293.81        | 293.77          | 293.78        | 293.77          | 293.78        | 293.75          | 293.80           | 293.88 | 27 |
|                  |               | 28            | 293.80        | 293.86        | 293.82        | 293.75 -      | 293.81        | 293.76 -        | 293.77        | 293.88          | 293.76        | 293.75          | 293.79           | 293.86 | 28 |
|                  |               | 29            | 293.81        | 293.80        | 293.82        | 293.75 -      | 293.80        | 293.76 -        | 293.81 +      | 293.81          | 293.76        | 293.75          | 293.79           | 293.86 | 29 |
|                  |               | 30            | 293.83        | 293.80        | 293.80        | 293.76        | 293.83        | 293.76 -        | 293.77        | 293.80          | 293.77        | 293.75          | 293.79           | 293.86 | 30 |
| 31               |               | 293.80        | 293.80        | 293.80        | 293.76        | 293.85        | 293.76 -      | 293.75          | 293.78        | 293.77          | 293.74 -      | 293.79          | 293.87           | 31     |    |
| Monatsumme       | 293.83        | 293.84        | 293.81        | 293.78        | 293.85        | 293.80        | 293.76        | 293.78          | 293.76        | 293.75 -        | 293.79        | 293.89 +        | m ü. M.          |        |    |
| Maximum (Spitze) | 294.04<br>17. | 293.98<br>19. | 293.90<br>21. | 293.96<br>04. | 294.24<br>11. | 294.06<br>18. | 294.06<br>04. | 294.36 +<br>15. | 293.92<br>25. | 293.87 -<br>24. | 294.10<br>16. | 294.36 +<br>06. | m ü. M.<br>Datum |        |    |

**Jahreswerte in m ü. M.** Mittel 293.80 Maximum 294.16 (07.12.2010) Minimum 293.74 (22.09.2010) Spitze 294.36 (06.12.2010)



| Periode                | 1993 - 2010 (18 Jahre) |                |                  |                |                |                |                  |                  |                  |                  |                |                |                 |
|------------------------|------------------------|----------------|------------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------|----------------|-----------------|
| Monatsumme             | 293.80 +               | 293.80 +       | 293.80 +         | 293.80 +       | 293.79         | 293.77         | 293.75 -         | 293.75 -         | 293.75 -         | 293.77           | 293.78         | 293.80 +       | m ü. M.         |
| Maximum (Spitze)       | 294.14 -<br>2001       | 294.78<br>1999 | 294.77<br>2006   | 294.78<br>2006 | 294.98<br>1994 | 294.79<br>1995 | 294.66<br>1997   | 295.47 +<br>2007 | 294.37<br>1995   | 294.49<br>2002   | 294.48<br>1995 | 294.36<br>1995 | m ü. M.<br>Jahr |
| Minimum (Momentanwert) | 293.69<br>2004         | 293.71<br>2008 | 293.72 +<br>1996 | 293.70<br>1996 | 293.70<br>1997 | 293.69<br>2003 | 293.68 -<br>2003 | 293.68 -<br>1998 | 293.68 -<br>2004 | 293.68 -<br>2003 | 293.69<br>1997 | 293.70<br>2003 | m ü. M.<br>Jahr |

**Grösstes Jahresmittel** 293.82 (1999) m ü. M. **Periodenmittel** 293.78 m ü. M. **Kleinste Jahresmittel** 293.74 (1997) m ü. M.

| Dauer der Tagesmittelwerte des Wasserstandes (erreicht oder überschritten) |        |        |        |        |        |        |        |        |        |        |        |        |         |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Tage   | 1      | 3      | 6      | 9      | 18     | 36     | 55     | 73     | 91     | 114    | 137    | 160    |         |
| 2010   | 294.16 | 294.09 | 294.00 | 293.97 | 293.91 | 293.88 | 293.85 | 293.83 | 293.82 | 293.81 | 293.81 | 293.80 | m ü. M. |
| 1993 - 2010  | 294.17 | 294.05 | 293.97 | 293.94 | 293.89 | 293.86 | 293.83 | 293.82 | 293.81 | 293.79 | 293.78 | 293.77 | m ü. M. |
| Tage   | 182    | 205    | 228    | 251    | 274    | 292    | 310    | 329    | 347    | 356    | 362    | 365    |         |
| 2010   | 293.79 | 293.79 | 293.78 | 293.77 | 293.76 | 293.75 | 293.75 | 293.75 | 293.74 | 293.74 | 293.74 | 293.74 | m ü. M. |
| 1993 - 2010  | 293.76 | 293.76 | 293.75 | 293.74 | 293.74 | 293.73 | 293.73 | 293.72 | 293.71 | 293.70 | 293.70 | 293.69 | m ü. M. |

Die Wasserstände wurden auch für die Jahre 1980 bis 1992 bestimmt.  
Ab 1.1.1993 neue Nullpunkthöhe.