

# Grundwasserstände



Birstal

Muttenz

Abstichpunkt:

OK Terrain:

21.R.73

258.81

258.37

Schänzli

m ü.M.

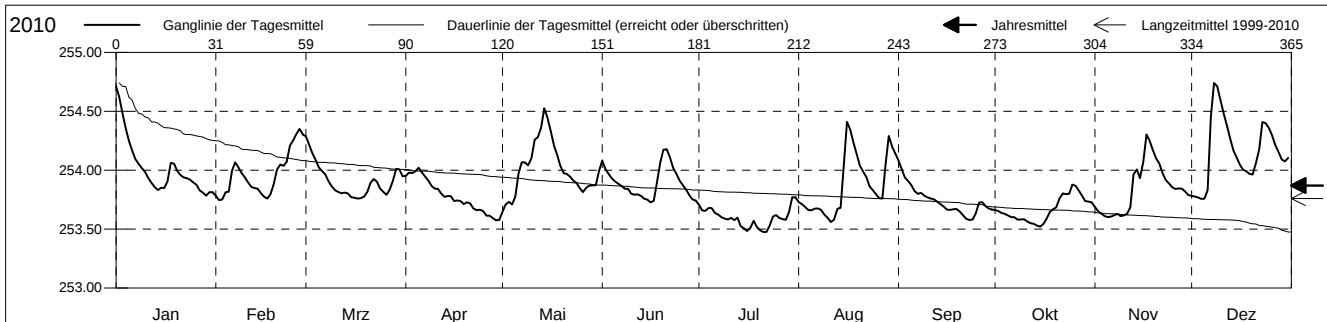
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

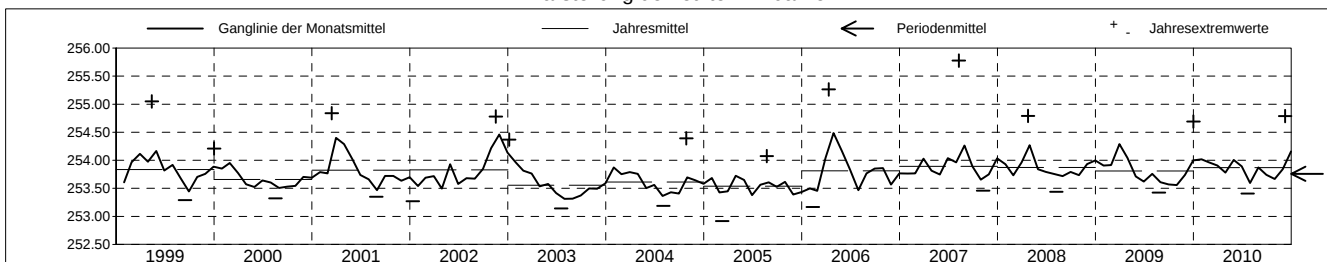
Koordinaten: 613960.63 / 265409.75

| 2010         | Januar   | Februar       | März     | April    | Mai             | Juni     | Juli     | August          | September | Oktober   | November | Dezember |    |
|--------------|----------|---------------|----------|----------|-----------------|----------|----------|-----------------|-----------|-----------|----------|----------|----|
| 1            | 254.71 + | 253.78        | 254.29 + | 253.95   | 253.65 -        | 254.08   | 253.71   | 253.73          | 254.08 +  | 253.66    | 253.69   | 253.78   | 1  |
| 2            | 254.62   | 253.75 -      | 254.22   | 253.98   | 253.71          | 254.01   | 253.66   | 253.71          | 254.01    | 253.65    | 253.65   | 253.78   | 2  |
| 3            | 254.48   | 253.75 -      | 254.14   | 253.97   | 253.73          | 253.97   | 253.65   | 253.69          | 253.94    | 253.64    | 253.63   | 253.77   | 3  |
| 4            | 254.36   | 253.81        | 254.08   | 253.99   | 253.71          | 253.93   | 253.68   | 253.66          | 253.91    | 253.63    | 253.61   | 253.76 - | 4  |
| 5            | 254.25   | 253.82        | 254.02   | 254.02 + | 253.77          | 253.90   | 253.68   | 253.66          | 253.87    | 253.62    | 253.60 - | 253.76 - | 5  |
| Tagesmittel  |          |               |          |          |                 |          |          |                 |           |           |          |          |    |
| 6            | 254.17   | 253.99        | 253.99   | 253.98   | 253.97          | 253.88   | 253.64   | 253.67          | 253.82    | 253.60    | 253.61   | 253.83   | 6  |
| 7            | 254.09   | 254.07        | 253.96   | 253.94   | 254.07          | 253.87   | 253.62   | 253.67          | 253.80    | 253.60    | 253.62   | 254.45   | 7  |
| 8            | 254.05   | 254.02        | 253.91   | 253.91   | 254.07          | 253.84   | 253.60   | 253.66          | 253.81    | 253.58    | 253.63   | 254.74 + | 8  |
| 9            | 254.02   | 253.97        | 253.86   | 253.87   | 254.04          | 253.84   | 253.59   | 253.62          | 253.78    | 253.58    | 253.61   | 254.71   | 9  |
| 10           | 253.98   | 253.94        | 253.83   | 253.84   | 254.10          | 253.80   | 253.58   | 253.60          | 253.77    | 253.58    | 253.62   | 254.59   | 10 |
| 11           | 253.93   | 253.90        | 253.81   | 253.84   | 254.26          | 253.79   | 253.59   | 253.56 -        | 253.76    | 253.56    | 253.63   | 254.48   | 11 |
| 12           | 253.89   | 253.86        | 253.80   | 253.80   | 254.28          | 253.79   | 253.58   | 253.58          | 253.75    | 253.55    | 253.69   | 254.38   | 12 |
| 13           | 253.86   | 253.85        | 253.81   | 253.77   | 254.36          | 253.78   | 253.60   | 253.67          | 253.73    | 253.54    | 253.96   | 254.27   | 13 |
| 14           | 253.83   | 253.84        | 253.80   | 253.78   | 254.52 +        | 253.76   | 253.52   | 253.68          | 253.71    | 253.53    | 254.01   | 254.17   | 14 |
| Max. +       | 253.85   | 253.80        | 253.77   | 253.78   | 254.44          | 253.75   | 253.51   | 254.04          | 253.69    | 253.52 -  | 253.93   | 254.11   | 15 |
| 16           | 253.85   | 253.77        | 253.77   | 253.74   | 254.33          | 253.73 - | 253.48   | 254.41 +        | 253.67    | 253.54    | 254.07   | 254.05   | 16 |
| 17           | 253.90   | 253.76        | 253.76 - | 253.74   | 254.21          | 253.74   | 253.51   | 254.35          | 253.66    | 253.59    | 254.30 + | 254.00   | 17 |
| 18           | 254.06   | 253.80        | 253.76 - | 253.74   | 254.13          | 253.90   | 253.57   | 254.24          | 253.67    | 253.64    | 254.25   | 253.99   | 18 |
| 19           | 254.05   | 253.88        | 253.77   | 253.71   | 254.04          | 254.06   | 253.52   | 254.14          | 253.67    | 253.67    | 254.17   | 253.97   | 19 |
| Min. -       | 253.99   | 254.00        | 253.81   | 253.73   | 253.97          | 254.17   | 253.49   | 254.04          | 253.65    | 253.68    | 254.10   | 253.96   | 20 |
| 21           | 253.96   | 254.05        | 253.89   | 253.72   | 253.97          | 254.18 + | 253.47 - | 253.99          | 253.62    | 253.76    | 254.06   | 254.06   | 21 |
| 22           | 253.94   | 254.04        | 253.93   | 253.68   | 253.94          | 254.11   | 253.48   | 253.94          | 253.59    | 253.80    | 253.98   | 254.18   | 22 |
| 23           | 253.93   | 254.07        | 253.90   | 253.66   | 253.91          | 254.02   | 253.53   | 253.86          | 253.58 -  | 253.80    | 253.92   | 254.41   | 23 |
| 24           | 253.92   | 254.21        | 253.84   | 253.66   | 253.89          | 253.97   | 253.61   | 253.83          | 253.58 -  | 253.80    | 253.89   | 254.40   | 24 |
| 25           | 253.90   | 254.25        | 253.82   | 253.65   | 253.85          | 253.91   | 253.62   | 253.80          | 253.63    | 253.88 +  | 253.85   | 254.36   | 25 |
| 26           | 253.87   | 254.31        | 253.79   | 253.61   | 253.81          | 253.87   | 253.59   | 253.76          | 253.72    | 253.87    | 253.84   | 254.30   | 26 |
| 27           | 253.83   | 254.35 +      | 253.84   | 253.61   | 253.85          | 253.84   | 253.58   | 253.76          | 253.73    | 253.83    | 253.84   | 254.22   | 27 |
| 28           | 253.81   | 254.30        | 253.91   | 253.59   | 253.87          | 253.79   | 253.58   | 254.05          | 253.69    | 253.78    | 253.84   | 254.15   | 28 |
| 29           | 253.78 - |               | 254.01   | 253.57 - | 253.87          | 253.75   | 253.65   | 254.29          | 253.68    | 253.74    | 253.82   | 254.09   | 29 |
| 30           | 253.81   |               | 254.01   | 253.58   | 253.87          | 253.74   | 253.77 + | 254.20          | 253.66    | 253.73    | 253.79   | 254.07   | 30 |
| 31           | 253.81   |               | 253.95   |          | 253.99          |          | 253.77 + | 254.14          |           | 253.72    |          | 254.10   | 31 |
| Monatsmittel | 254.02   | 253.96        | 253.91   | 253.78   | 254.01          | 253.89   | 253.59 - | 253.87          | 253.74    | 253.67    | 253.84   | 254.16 + |    |
| Maximum      | 254.73   | 254.38        | 254.31   | 254.04   | 254.54          | 254.22   | 253.81 - | 254.43          | 254.11    | 253.92    | 254.33   | 254.79 + |    |
| Datum        | 01.01    | 26.02         | 01.03    | 04.04    | 14.05           | 20.06    | 30.07    | 16.08           | 01.09     | 25.10     | 17.11    | 08.12    |    |
| Amplitude    | 1.00     | 0.69          | 0.59     | 0.51     | 0.95            | 0.53     | 0.40     | 0.91            | 0.58      | 0.44      | 0.77     | 1.08     |    |
| Jahr 2010    | Mittel   | 253.87 m ü.M. |          | Maximum  | 254.79 (08.Dez) |          | Minimum  | 253.41 (22.Jul) |           | Amplitude |          | 1.38 m   |    |



| 1999 - 2010       |                |                |                  |                  |                      |                  |                |                      |                |                |                |                |
|-------------------|----------------|----------------|------------------|------------------|----------------------|------------------|----------------|----------------------|----------------|----------------|----------------|----------------|
| Monatsmittel      | 253.78         | 253.77         | 253.94 +         | 253.90           | 253.82               | 253.69           | 253.64 -       | 253.66               | 253.64 -       | 253.71         | 253.74         | 253.83         |
| Maximum<br>Jahr   | 254.73<br>2010 | 254.82<br>1999 | 254.84<br>2001   | 255.26<br>2006   | 255.05<br>1999       | 254.38 -<br>2007 | 254.53<br>1999 | 255.78 +<br>2007     | 254.66<br>2002 | 254.76<br>2002 | 254.78<br>2002 | 254.79<br>2010 |
| Minimum<br>Jahr   | 253.27<br>2002 | 253.14<br>2005 | 252.92 -<br>2005 | 253.34 +<br>2002 | 253.32<br>2004       | 253.15<br>2005   | 253.14<br>2003 | 253.19<br>2004       | 253.25<br>2004 | 253.29<br>2004 | 253.26<br>2005 | 253.26<br>2005 |
| Amplitude<br>Jahr | 1.00<br>2010   | 1.21<br>1999   | 1.21<br>2001     | 1.18<br>2006     | 1.24<br>1999         | 0.65 -<br>2004   | 0.90<br>1999   | 2.10 +<br>2007       | 1.19<br>2008   | 1.10<br>2004   | 0.77<br>2010   | 1.08<br>2010   |
| Periode           | Mittel         | 253.76 m ü.M.  |                  | Maximum          | 255.78 (10.Aug 2007) |                  | Minimum        | 252.92 (10.Mrz 2005) |                | Amplitude      |                | 2.86 m         |

Darstellung der letzten 12 Jahre



# Grundwassertemperatur



Birstal

Muttenz

Abstichpunkt:

OK Terrain:

21.R.73

258.81

258.37

Schänzli

m ü.M.

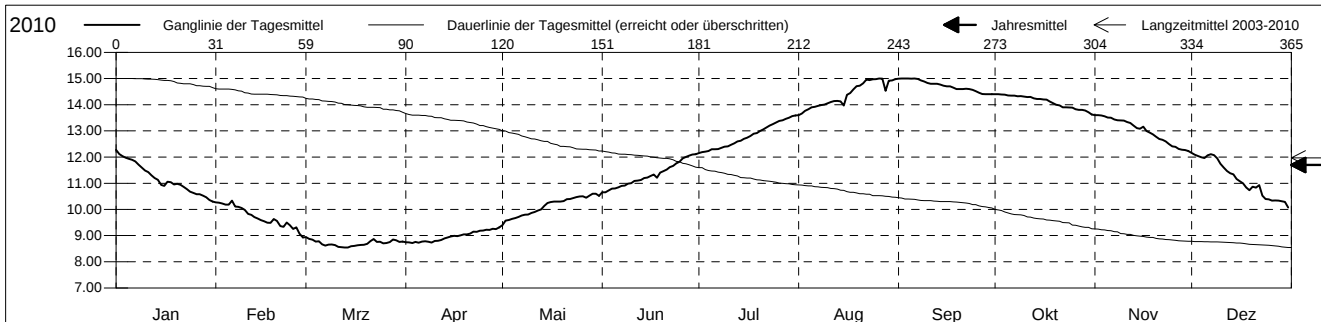
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

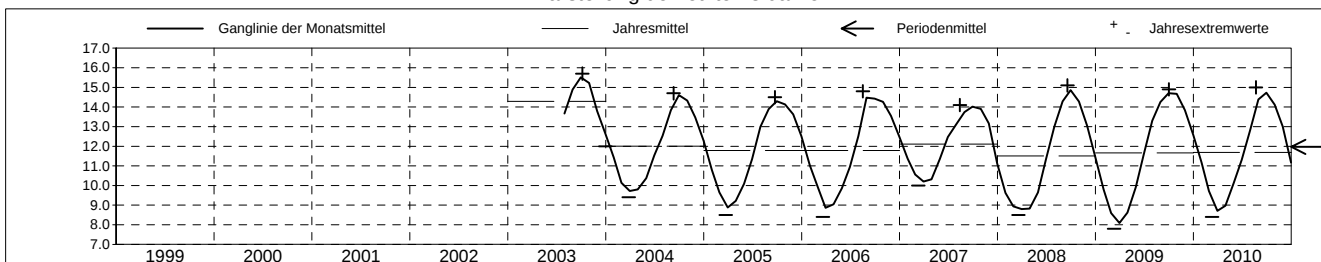
Koordinaten: 613960.63 / 265409.75

| 2010         | Januar | Februar | März  | April   | Mai           | Juni   | Juli    | August       | September | Oktober   | November | Dezember |    |
|--------------|--------|---------|-------|---------|---------------|--------|---------|--------------|-----------|-----------|----------|----------|----|
| 1            | 12.3 + | 10.3 +  | 8.9 + | 8.7 -   | 9.4 -         | 10.7 - | 12.1 -  | 13.6 -       | 15.0 +    | 14.4 +    | 13.6 +   | 12.2 +   | 1  |
| 2            | 12.1   | 10.3 +  | 8.9 + | 8.7 -   | 9.6           | 10.7 - | 12.2    | 13.7         | 15.0 +    | 14.4 +    | 13.6 +   | 12.1     | 2  |
| 3            | 12.0   | 10.2    | 8.8   | 8.7 -   | 9.6           | 10.7 - | 12.2    | 13.8         | 15.0 +    | 14.4 +    | 13.6 +   | 12.0     | 3  |
| 4            | 12.0   | 10.2    | 8.8   | 8.8     | 9.6           | 10.8   | 12.2    | 13.8         | 15.0 +    | 14.4 +    | 13.6 +   | 12.0     | 4  |
| 5            | 11.9   | 10.2    | 8.8   | 8.7 -   | 9.7           | 10.8   | 12.3    | 13.9         | 15.0 +    | 14.4 +    | 13.5     | 12.0     | 5  |
| Tagesmittel  |        |         |       |         |               |        |         |              |           |           |          |          |    |
| 6            | 11.9   | 10.3 +  | 8.7   | 8.8     | 9.7           | 10.8   | 12.3    | 13.9         | 15.0 +    | 14.3      | 13.5     | 12.1     | 6  |
| 7            | 11.8   | 10.1    | 8.6   | 8.8     | 9.8           | 10.9   | 12.3    | 14.0         | 15.0 +    | 14.3      | 13.4     | 12.1     | 7  |
| 8            | 11.7   | 10.1    | 8.7   | 8.8     | 9.8           | 10.9   | 12.4    | 14.0         | 14.9      | 14.3      | 13.4     | 12.1     | 8  |
| 9            | 11.6   | 10.1    | 8.7   | 8.7 -   | 9.8           | 11.0   | 12.4    | 14.0         | 14.9      | 14.3      | 13.4     | 11.9     | 9  |
| 10           | 11.5   | 10.0    | 8.6   | 8.8     | 9.9           | 11.0   | 12.4    | 14.1         | 14.8      | 14.3      | 13.4     | 11.7     | 10 |
| 11           | 11.4   | 9.8     | 8.6   | 8.8     | 9.9           | 11.1   | 12.5    | 14.1         | 14.8      | 14.3      | 13.3     | 11.6     | 11 |
| 12           | 11.3   | 9.8     | 8.6   | 8.8     | 10.0          | 11.1   | 12.5    | 14.1         | 14.8      | 14.3      | 13.3     | 11.5     | 12 |
| 13           | 11.2   | 9.7     | 8.5 - | 8.9     | 10.0          | 11.1   | 12.6    | 14.1         | 14.8      | 14.2      | 13.2     | 11.4     | 13 |
| 14           | 11.1   | 9.6     | 8.5 - | 8.9     | 10.1          | 11.2   | 12.6    | 14.1         | 14.8      | 14.2      | 13.1     | 11.3     | 14 |
| 15           | 10.9   | 9.6     | 8.6   | 9.0     | 10.2          | 11.2   | 12.7    | 14.0         | 14.7      | 14.2      | 13.1     | 11.2     | 15 |
| Max. +       |        |         |       |         |               |        |         |              |           |           |          |          |    |
| 16           | 10.9   | 9.6     | 8.6   | 9.0     | 10.3          | 11.3   | 12.7    | 14.4         | 14.7      | 14.2      | 13.2     | 11.1     | 16 |
| 17           | 11.1   | 9.5     | 8.6   | 9.0     | 10.3          | 11.3   | 12.8    | 14.4         | 14.7      | 14.2      | 13.0     | 11.0     | 17 |
| 18           | 11.0   | 9.5     | 8.6   | 9.0     | 10.3          | 11.2   | 12.9    | 14.6         | 14.7      | 14.1      | 12.9     | 10.8     | 18 |
| 19           | 10.9   | 9.6     | 8.6   | 9.0     | 10.3          | 11.4   | 12.9    | 14.7         | 14.6      | 14.1      | 12.9     | 10.7     | 19 |
| 20           | 11.0   | 9.6     | 8.7   | 9.0     | 10.3          | 11.5   | 13.0    | 14.7         | 14.6      | 14.0      | 12.8     | 10.9     | 20 |
| Min. -       |        |         |       |         |               |        |         |              |           |           |          |          |    |
| 21           | 10.9   | 9.4     | 8.8   | 9.1     | 10.4          | 11.5   | 13.1    | 14.8         | 14.6      | 14.0      | 12.7     | 10.8     | 21 |
| 22           | 10.9   | 9.3     | 8.9 + | 9.1     | 10.4          | 11.6   | 13.1    | 15.0 +       | 14.6      | 13.9      | 12.7     | 10.9     | 22 |
| 23           | 10.8   | 9.5     | 8.8   | 9.1     | 10.4          | 11.7   | 13.2    | 14.9         | 14.6      | 13.9      | 12.6     | 10.5     | 23 |
| 24           | 10.7   | 9.4     | 8.8   | 9.2     | 10.5          | 11.8   | 13.3    | 15.0 +       | 14.6      | 13.9      | 12.5     | 10.4     | 24 |
| 25           | 10.6   | 9.3     | 8.7   | 9.2     | 10.5          | 11.8   | 13.3    | 15.0 +       | 14.5      | 13.9      | 12.4     | 10.4     | 25 |
| 26           | 10.6   | 9.3     | 8.7   | 9.2     | 10.5          | 11.9   | 13.4    | 15.0 +       | 14.5      | 13.8      | 12.4     | 10.3     | 26 |
| 27           | 10.6   | 9.1     | 8.8   | 9.2     | 10.4          | 12.0   | 13.4    | 15.0 +       | 14.4 -    | 13.8      | 12.3     | 10.3     | 27 |
| 28           | 10.5   | 8.9 -   | 8.8   | 9.3 +   | 10.5          | 12.1 + | 13.5    | 14.5         | 14.4 -    | 13.8      | 12.3     | 10.3     | 28 |
| 29           | 10.5   |         | 8.8   | 9.3 +   | 10.6 +        | 12.1 + | 13.5    | 14.9         | 14.4 -    | 13.8      | 12.3     | 10.3     | 29 |
| 30           | 10.4   |         | 8.8   | 9.3 +   | 10.6 +        | 12.1 + | 13.6 +  | 14.9         | 14.4 -    | 13.7      | 12.2 -   | 10.3     | 30 |
| 31           | 10.3 - |         | 8.8   |         | 10.5          |        | 13.6 +  | 15.0 +       |           | 13.6 -    |          | 10.1 -   | 31 |
| Monatsmittel | 11.2   | 9.7     | 8.7 - | 9.0     | 10.1          | 11.3   | 12.8    | 14.4         | 14.7 +    | 14.1      | 13.0     | 11.2     |    |
| Maximum      | 12.4   | 10.6    | 9.1 - | 9.4     | 10.6          | 12.2   | 13.6    | 15.0 +       | 15.0 +    | 14.4      | 13.6     | 12.2     |    |
| Datum        | 01.01  | 06.02   | 01.03 | 30.04   | 28.05         | 30.06  | 29.07   | 21.08        | 01.09     | 01.10     | 01.11    | 01.12    |    |
| Minimum      | 10.2   | 8.8     | 8.4 - | 8.5     | 9.3           | 10.5   | 12.1    | 13.6         | 14.4 +    | 13.6      | 12.2     | 9.9      |    |
| Datum        | 31.01  | 27.02   | 11.03 | 01.04   | 01.05         | 02.06  | 01.07   | 01.08        | 26.09     | 30.10     | 28.11    | 31.12    |    |
| Amplitude    | 2.2    | 1.8     | 0.7   | 0.9     | 1.3           | 1.7    | 1.5     | 1.4          | 0.6       | 0.8       | 1.4      | 2.3      |    |
| Jahr 2010    | Mittel | 11.7 °C |       | Maximum | 15.0 (21.Aug) |        | Minimum | 8.4 (11.Mrz) |           | Amplitude | 6.6 °C   |          |    |



| Periode      | 2003 - 2010 |         |        |         |                    |      |         |                   |        |           |        |       |
|--------------|-------------|---------|--------|---------|--------------------|------|---------|-------------------|--------|-----------|--------|-------|
| Monatsmittel | 10.7        | 9.7     | 9.0 -  | 9.3     | 10.2               | 11.5 | 13.0    | 14.2              | 14.6 + | 14.4      | 13.4   | 12.0  |
| Maximum      | 12.4        | 11.0    | 10.4 - | 10.6    | 12.2               | 12.9 | 14.4    | 15.4              | 15.6   | 15.7 +    | 14.5   | 13.3  |
| Jahr         | 2010        | 2007    | 2007   | 2007    | 2007               | 2003 | 2003    | 2003              | 2003   | 2003      | 2003   | 2006  |
| Minimum      | 8.9         | 8.1     | 7.8 -  | 8.1     | 9.1                | 10.4 | 11.7    | 13.1              | 13.7 + | 13.6      | 12.2   | 9.9   |
| Jahr         | 2008        | 2009    | 2009   | 2009    | 2008               | 2006 | 2006    | 2004              | 2007   | 2007      | 2010   | 2010  |
| Amplitude    | 2.2         | 1.8     | 1.1    | 1.1     | 1.7                | 1.7  | 1.8     | 1.4               | 0.7 -  | 1.2       | 1.5    | 2.3 + |
| Jahr         | 2010        | 2010    | 2006   | 2009    | 2009               | 2008 | 2006    | 2004              | 2006   | 2003      | 2008   | 2010  |
| Periode      | Mittel      | 12.0 °C |        | Maximum | 15.7 (05.Okt 2003) |      | Minimum | 7.8 (11.Mrz 2009) |        | Amplitude | 7.9 °C |       |

## Darstellung der letzten 8 Jahre



# Grundwasserspiegel im Birstal

Station 21.R.73 MuttENZ

BL 270

Schänzli

OP 165580

Koordinaten: 613'960.60 / 265'409.76

Messwerte: Grundwasserspiegel  
Temperatur

