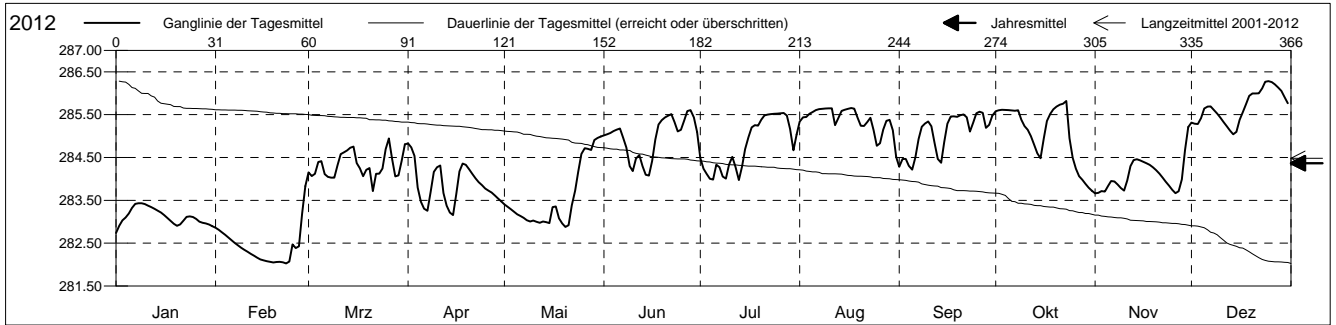


**Grundwasserstände**

Birstal  
 Aesch 11.J.1 Streif  
 Abstichpunkt: 295.44 m ü.M.  
 OK Terrain: 294.74 m ü.M.

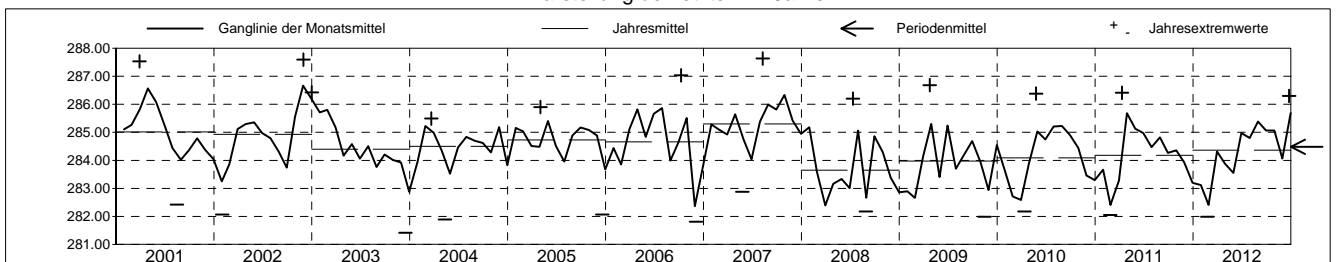
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

| 2012         | Januar   | Februar       | März     | April    | Mai             | Juni     | Juli     | August          | September | Oktober   | November | Dezember |    |
|--------------|----------|---------------|----------|----------|-----------------|----------|----------|-----------------|-----------|-----------|----------|----------|----|
| 1            | 282.74 - | 282.86        | 284.15   | 284.83 + | 283.41          | 285.01   | 284.49   | 285.34          | 284.28    | 285.58    | 283.66 - | 285.32   | 1  |
| 2            | 282.91   | 282.81        | 284.07   | 284.74   | 283.35          | 285.04   | 284.24   | 285.44          | 284.47    | 285.60    | 283.67   | 285.29   | 2  |
| 3            | 283.03   | 282.76        | 284.12   | 284.54   | 283.30          | 285.07   | 284.12   | 285.45          | 284.47    | 285.61    | 283.72   | 285.28   | 3  |
| 4            | 283.10   | 282.70        | 284.39   | 283.80   | 283.23          | 285.12   | 284.00   | 285.52          | 284.31    | 285.61    | 283.71   | 285.42   | 4  |
| 5            | 283.19   | 282.63        | 284.42   | 283.47   | 283.17          | 285.15   | 283.98 - | 285.56          | 284.22 -  | 285.60    | 283.83   | 285.65   | 5  |
| Tagesmittel  |          |               |          |          |                 |          |          |                 |           |           |          |          |    |
| 6            | 283.32   | 282.57        | 284.11   | 283.31   | 283.13          | 285.18   | 284.33   | 285.61          | 284.50    | 285.60    | 283.95   | 285.69   | 6  |
| 7            | 283.42   | 282.51        | 284.05   | 283.26   | 283.09          | 284.96   | 284.27   | 285.63          | 284.93    | 285.59    | 283.94   | 285.69   | 7  |
| 8            | 283.43 + | 282.45        | 284.03   | 283.70   | 283.04          | 284.73   | 284.06   | 285.64          | 285.22    | 285.60    | 283.87   | 285.61   | 8  |
| 9            | 283.43 + | 282.39        | 284.03   | 284.16   | 283.01          | 284.30   | 284.01   | 285.64          | 285.29    | 285.38    | 283.79   | 285.52   | 9  |
| 10           | 283.41   | 282.35        | 284.32   | 284.27   | 283.03          | 284.18   | 284.34   | 285.65 +        | 285.34    | 285.23    | 283.73   | 285.43   | 10 |
| 11           | 283.38   | 282.30        | 284.58   | 284.31   | 283.00          | 284.47   | 284.52   | 285.65 +        | 285.23    | 285.15    | 283.96   | 285.33   | 11 |
| 12           | 283.34   | 282.25        | 284.62   | 283.67   | 282.97          | 284.56   | 284.28   | 285.26          | 284.84    | 285.00    | 284.30   | 285.23   | 12 |
| 13           | 283.30   | 282.21        | 284.67   | 283.37   | 283.01          | 284.30   | 283.98 - | 285.42          | 284.47    | 284.80    | 284.44   | 285.13   | 13 |
| 14           | 283.26   | 282.16        | 284.73   | 283.21   | 282.99          | 284.10   | 284.29   | 285.59          | 284.38    | 284.60    | 284.46   | 285.04 - | 14 |
| 15           | 283.21   | 282.12        | 284.75   | 283.16 - | 282.97          | 284.08 - | 284.69   | 285.61          | 284.86    | 284.48    | 284.43   | 285.10   | 15 |
| Max. +       |          |               |          |          |                 |          |          |                 |           |           |          |          |    |
| 16           | 283.16   | 282.10        | 284.37   | 283.64   | 283.34          | 284.42   | 284.97   | 285.64          | 285.29    | 284.94    | 284.40   | 285.38   | 16 |
| 17           | 283.09   | 282.08        | 284.25   | 284.18   | 283.36          | 284.92   | 285.20   | 285.65 +        | 285.46    | 285.35    | 284.37   | 285.56   | 17 |
| 18           | 283.02   | 282.06        | 284.06   | 284.36   | 283.08          | 285.27   | 285.25   | 285.64          | 285.46    | 285.52    | 284.33   | 285.75   | 18 |
| 19           | 282.95   | 282.05        | 284.21   | 284.33   | 282.96          | 285.37   | 285.25   | 285.43          | 285.45    | 285.62    | 284.27   | 285.94   | 19 |
| 20           | 282.90   | 282.06        | 284.25   | 284.23   | 282.88 -        | 285.43   | 285.38   | 285.24          | 285.49    | 285.69    | 284.21   | 285.99   | 20 |
| Min. -       |          |               |          |          |                 |          |          |                 |           |           |          |          |    |
| 21           | 282.94   | 282.06        | 283.71 - | 284.12   | 282.92          | 285.47   | 285.48   | 285.24          | 285.51    | 285.73    | 284.12   | 285.99   | 21 |
| 22           | 283.02   | 282.05        | 284.12   | 284.01   | 283.38          | 285.51   | 285.50   | 285.33          | 285.44    | 285.76    | 284.03   | 286.00   | 22 |
| 23           | 283.11   | 282.03 -      | 284.12   | 283.93   | 283.73          | 285.33   | 285.51   | 285.42          | 285.10    | 285.82 +  | 283.93   | 286.11   | 23 |
| 24           | 283.13   | 282.07        | 284.24   | 283.85   | 284.16          | 285.11   | 285.52   | 285.14          | 285.31    | 284.95    | 283.84   | 286.27   | 24 |
| 25           | 283.11   | 282.47        | 284.70   | 283.78   | 284.58          | 285.15   | 285.52   | 284.77          | 285.53    | 284.49    | 283.74   | 286.28 + | 25 |
| 26           | 283.06   | 282.39        | 284.94 + | 283.73   | 284.72          | 285.37   | 285.53   | 284.83          | 285.57 +  | 284.24    | 283.66 - | 286.26   | 26 |
| 27           | 283.00   | 282.43        | 284.47   | 283.68   | 284.70          | 285.58   | 285.54 + | 285.15          | 285.54    | 284.06    | 283.71   | 286.21   | 27 |
| 28           | 282.98   | 283.19        | 284.06   | 283.62   | 284.67          | 285.61 + | 285.48   | 285.36          | 285.19    | 283.98    | 283.99   | 286.13   | 28 |
| 29           | 282.96   | 283.83 +      | 284.08   | 283.54   | 284.91          | 285.43   | 285.17   | 285.38          | 285.26    | 283.88    | 284.67   | 286.06   | 29 |
| 30           | 282.93   |               | 284.42   | 283.48   | 284.96          | 285.09   | 284.67   | 285.13          | 285.48    | 283.79    | 285.21 + | 285.91   | 30 |
| 31           | 282.90   |               | 284.80   |          | 284.99 +        |          | 285.04   | 284.51 -        |           | 283.72 -  |          | 285.77   | 31 |
| Monatsmittel | 283.12   | 282.41 -      | 284.32   | 283.87   | 283.55          | 284.98   | 284.79   | 285.38          | 285.06    | 285.06    | 284.06   | 285.69 + |    |
| Maximum      | 283.44 - | 283.98        | 285.02   | 284.86   | 285.01          | 285.64   | 285.55   | 285.66          | 285.61    | 285.91    | 285.31   | 286.30 + |    |
| Datum        | 08.01    | 29.02         | 26.03    | 01.04    | 31.05           | 29.06    | 28.07    | 16.08           | 27.09     | 23.10     | 30.11    | 25.12    |    |
| Amplitude    | 0.79     | 1.99          | 1.40     | 1.73     | 2.19            | 1.67     | 1.67     | 1.35            | 1.49      | 2.21      | 1.67     | 1.29     |    |
| Jahr 2012    | Mittel   | 284.37 m ü.M. |          | Maximum  | 286.30 (25.Dez) |          | Minimum  | 281.99 (24.Feb) |           | Amplitude | 4.31 m   |          |    |



| Periode      | 2001 - 2012 |               |        |          |                      |        |         |                      |        |           |        |          |  |
|--------------|-------------|---------------|--------|----------|----------------------|--------|---------|----------------------|--------|-----------|--------|----------|--|
| Monatsmittel | 284.28      | 283.99 -      | 284.36 | 284.85 + | 284.58               | 284.66 | 284.75  | 284.50               | 284.69 | 284.81    | 284.22 | 284.08   |  |
| Maximum      | 286.42      | 286.06 -      | 287.53 | 287.23   | 286.51               | 286.45 | 286.21  | 287.63 +             | 286.53 | 287.33    | 287.34 | 287.59   |  |
| Jahr         | 2003        | 2003          | 2001   | 2001     | 2001                 | 2006   | 2006    | 2007                 | 2007   | 2002      | 2002   | 2002     |  |
| Minimum      | 282.27      | 281.99        | 282.13 | 282.18   | 281.89               | 282.43 | 282.33  | 281.90               | 281.83 | 282.51 +  | 281.86 | 281.42 - |  |
| Jahr         | 2002        | 2012          | 2011   | 2010     | 2004                 | 2008   | 2005    | 2003                 | 2003   | 2009      | 2006   | 2003     |  |
| Amplitude    | 2.45 -      | 3.13          | 3.30   | 3.76 +   | 3.06                 | 3.06   | 3.30    | 2.96                 | 3.20   | 3.75      | 3.65   | 3.71     |  |
| Jahr         | 2004        | 2008          | 2009   | 2010     | 2007                 | 2007   | 2005    | 2007                 | 2006   | 2006      | 2011   | 2006     |  |
| Periode      | Mittel      | 284.48 m ü.M. |        | Maximum  | 287.63 (10.Aug 2007) |        | Minimum | 281.42 (16.Dez 2003) |        | Amplitude | 6.21 m |          |  |

Darstellung der letzten 12 Jahre

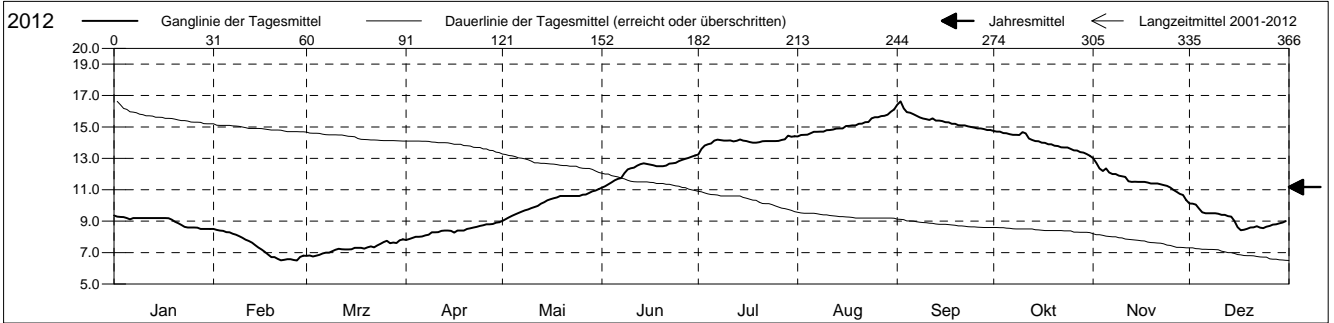


**Grundwassertemperatur**

Birstal  
 Aesch 11.J.1 Streif  
 Abstichpunkt: 295.44 m ü.M.  
 OK Terrain: 294.74 m ü.M.

**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

| 2012         | Januar | Februar | März   | April   | Mai           | Juni   | Juli    | August       | September | Oktober   | November | Dezember |    |
|--------------|--------|---------|--------|---------|---------------|--------|---------|--------------|-----------|-----------|----------|----------|----|
| 1            | 9.4 +  | 8.5 +   | 6.8 -  | 7.8 -   | 9.0 -         | 11.1 - | 13.2 -  | 14.4 -       | 16.4      | 14.7 +    | 13.0 +   | 10.1 +   | 1  |
| 2            | 9.3    | 8.4     | 6.8 -  | 7.9     | 9.1           | 11.2   | 13.6    | 14.5         | 16.6 +    | 14.7 +    | 12.7     | 10.1 +   | 2  |
| 3            | 9.3    | 8.4     | 6.8 -  | 7.9     | 9.2           | 11.3   | 13.8    | 14.5         | 16.2      | 14.7 +    | 12.4     | 10.1 +   | 3  |
| 4            | 9.3    | 8.4     | 6.8 -  | 8.0     | 9.3           | 11.5   | 13.9    | 14.5         | 15.9      | 14.6      | 12.2     | 9.8      | 4  |
| 5            | 9.2    | 8.3     | 6.9    | 8.0     | 9.4           | 11.6   | 13.9    | 14.6         | 15.9      | 14.6      | 12.4     | 9.6      | 5  |
| 6            | 9.1    | 8.3     | 6.9    | 8.0     | 9.5           | 11.7   | 14.1    | 14.7         | 15.8      | 14.5      | 12.1     | 9.5      | 6  |
| 7            | 9.2    | 8.2     | 7.0    | 8.1     | 9.6           | 11.7   | 14.2    | 14.7         | 15.7      | 14.5      | 12.0     | 9.5      | 7  |
| 8            | 9.2    | 8.1     | 7.0    | 8.1     | 9.7           | 12.1   | 14.2    | 14.7         | 15.6      | 14.5      | 12.0     | 9.5      | 8  |
| 9            | 9.2    | 8.0     | 7.1    | 8.3     | 9.7           | 12.3   | 14.1    | 14.7         | 15.5      | 14.5      | 11.9     | 9.5      | 9  |
| 10           | 9.2    | 7.9     | 7.2    | 8.3     | 9.8           | 12.4   | 14.1    | 14.8         | 15.5      | 14.7 +    | 11.9     | 9.5      | 10 |
| 11           | 9.2    | 7.8     | 7.2    | 8.3     | 9.9           | 12.4   | 14.1    | 14.8         | 15.4      | 14.6      | 11.8     | 9.4      | 11 |
| 12           | 9.2    | 7.7     | 7.2    | 8.4     | 10.0          | 12.5   | 14.1    | 14.8         | 15.6      | 14.3      | 11.5     | 9.4      | 12 |
| 13           | 9.2    | 7.6     | 7.2    | 8.4     | 10.1          | 12.6   | 14.1    | 14.9         | 15.4      | 14.2      | 11.5     | 9.3      | 13 |
| 14           | 9.2    | 7.5     | 7.2    | 8.4     | 10.2          | 12.7   | 14.2    | 14.9         | 15.4      | 14.1      | 11.5     | 9.3      | 14 |
| 15           | 9.2    | 7.3     | 7.2    | 8.4     | 10.3          | 12.6   | 14.1    | 14.9         | 15.4      | 14.1      | 11.5     | 9.0      | 15 |
| 16           | 9.2    | 7.2     | 7.3    | 8.3     | 10.4          | 12.6   | 14.1    | 15.1         | 15.3      | 14.0      | 11.5     | 8.6      | 16 |
| 17           | 9.2    | 7.1     | 7.3    | 8.4     | 10.5          | 12.6   | 14.0    | 15.1         | 15.3      | 14.0      | 11.5     | 8.4      | 17 |
| 18           | 9.2    | 6.9     | 7.3    | 8.4     | 10.5          | 12.5   | 14.0    | 15.1         | 15.2      | 13.9      | 11.5     | 8.5      | 18 |
| 19           | 9.1    | 6.7     | 7.3    | 8.4     | 10.6          | 12.5   | 14.0    | 15.1         | 15.2      | 13.9      | 11.4     | 8.5      | 19 |
| 20           | 9.0    | 6.7     | 7.3    | 8.5     | 10.6          | 12.5   | 14.0    | 15.2         | 15.1      | 13.8      | 11.4     | 8.6      | 20 |
| 21           | 8.9    | 6.6     | 7.4    | 8.5     | 10.6          | 12.5   | 14.1    | 15.2         | 15.1      | 13.8      | 11.4     | 8.6      | 21 |
| 22           | 8.8    | 6.5 -   | 7.3    | 8.6     | 10.6          | 12.7   | 14.1    | 15.3         | 15.1      | 13.7      | 11.4     | 8.7      | 22 |
| 23           | 8.6    | 6.5 -   | 7.5    | 8.6     | 10.6          | 12.7   | 14.1    | 15.3         | 15.0      | 13.7      | 11.3     | 8.6      | 23 |
| 24           | 8.6    | 6.6     | 7.6    | 8.7     | 10.6          | 12.7   | 14.1    | 15.5         | 15.0      | 13.7      | 11.2     | 8.6      | 24 |
| 25           | 8.6    | 6.6     | 7.7    | 8.7     | 10.6          | 12.8   | 14.1    | 15.6         | 15.0      | 13.6      | 11.1     | 8.6      | 25 |
| 26           | 8.6    | 6.5 -   | 7.8 +  | 8.8     | 10.7          | 12.9   | 14.1    | 15.6         | 14.9      | 13.5      | 11.0     | 8.7      | 26 |
| 27           | 8.6    | 6.5 -   | 7.6    | 8.8     | 10.7          | 13.0   | 14.2    | 15.7         | 14.9      | 13.5      | 10.9     | 8.8      | 27 |
| 28           | 8.5 -  | 6.7     | 7.6    | 8.8     | 10.8          | 13.0   | 14.2    | 15.7         | 14.9      | 13.4      | 10.7     | 8.8      | 28 |
| 29           | 8.5 -  | 6.8     | 7.6    | 8.9 +   | 10.9          | 13.1   | 14.4 +  | 15.8         | 14.8 -    | 13.4      | 10.7     | 8.9      | 29 |
| 30           | 8.5 -  | 7.8 +   | 8.9 +  | 11.0 +  | 13.2 +        | 14.4 + | 16.0    | 14.8 -       | 13.3      | 10.3 -    | 8.9      | 30       |    |
| 31           | 8.5 -  | 7.8 +   | 11.0 + | 14.4 +  | 16.1 +        | 13.2 - | 9.0     |              |           |           |          | 31       |    |
| Monatsmittel | 9.0    | 7.4     | 7.3 -  | 8.4     | 10.2          | 12.4   | 14.1    | 15.1         | 15.4 +    | 14.0      | 11.6     | 9.1      |    |
| Maximum      | 9.4    | 8.5     | 7.9 -  | 9.0     | 11.1          | 13.2   | 14.5    | 16.2         | 16.7 +    | 14.9      | 13.1     | 10.2     |    |
| Datum        | 01.01  | 01.02   | 24.03  | 30.04   | 31.05         | 29.06  | 29.07   | 31.08        | 02.09     | 10.10     | 01.11    | 01.12    |    |
| Minimum      | 8.5    | 6.4 -   | 6.7    | 7.8     | 9.0           | 11.1   | 13.1    | 14.4         | 14.8 +    | 13.1      | 10.2     | 8.4      |    |
| Datum        | 27.01  | 24.02   | 01.03  | 01.04   | 01.05         | 01.06  | 01.07   | 01.08        | 28.09     | 31.10     | 30.11    | 17.12    |    |
| Amplitude    | 0.9    | 2.1     | 1.2    | 1.2     | 2.1           | 2.1    | 1.4     | 1.8          | 1.9       | 1.8       | 2.9      | 1.8      |    |
| Jahr 2012    | Mittel | 11.2 °C |        | Maximum | 16.7 (02.Sep) |        | Minimum | 6.4 (24.Feb) |           | Amplitude | 10.3 °C  |          |    |



| Periode      | 2001 - 2012 |         |       |         |                    |      |         |                   |        |           |         |       |  |
|--------------|-------------|---------|-------|---------|--------------------|------|---------|-------------------|--------|-----------|---------|-------|--|
| Monatsmittel | 8.3         | 7.2 -   | 7.2 - | 8.3     | 10.0               | 11.9 | 13.7    | 14.7              | 14.9 + | 14.0      | 12.1    | 9.9   |  |
| Maximum      | 10.2        | 9.3     | 8.9 - | 9.9     | 12.6               | 14.4 | 15.7    | 16.3              | 16.7 + | 15.8      | 14.2    | 13.0  |  |
| Jahr         | 2006        | 2007    | 2007  | 2007    | 2011               | 2011 | 2011    | 2008              | 2012   | 2009      | 2011    | 2005  |  |
| Minimum      | 5.6 -       | 5.6 -   | 5.8   | 7.1     | 7.6                | 9.1  | 11.4    | 12.8              | 13.5 + | 12.2      | 9.6     | 7.8   |  |
| Jahr         | 2009        | 2009    | 2009  | 2009    | 2008               | 2008 | 2006    | 2005              | 2005   | 2008      | 2007    | 2010  |  |
| Amplitude    | 2.3         | 2.1     | 1.4 - | 2.3     | 2.8                | 3.0  | 3.1     | 2.7               | 2.2    | 1.9       | 2.9     | 3.2 + |  |
| Jahr         | 2009        | 2012    | 2009  | 2011    | 2011               | 2008 | 2010    | 2007              | 2008   | 2008      | 2012    | 2011  |  |
| Periode      | Mittel      | 11.2 °C |       | Maximum | 16.7 (02.Sep 2012) |      | Minimum | 5.6 (23.Jan 2009) |        | Amplitude | 11.1 °C |       |  |

Darstellung der letzten 12 Jahre

