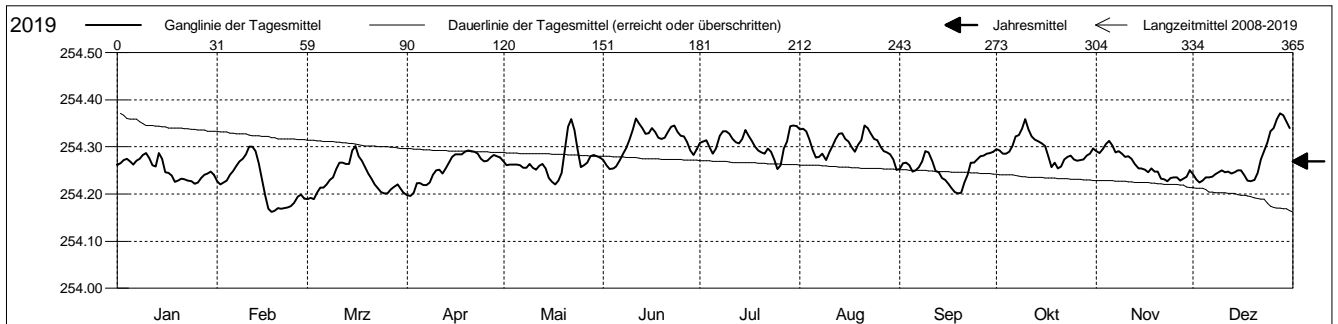


**Grundwasserstände**

Birstal  
 Birsfelden 17.J.8 Swissterminal  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

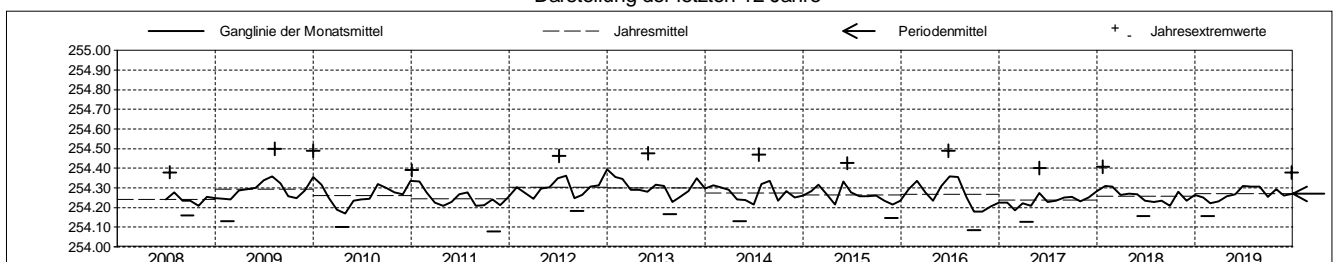
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

| 2019         | Januar   | Februar       | März     | April    | Mai             | Juni     | Juli     | August          | September | Oktober   | November | Dezember |    |
|--------------|----------|---------------|----------|----------|-----------------|----------|----------|-----------------|-----------|-----------|----------|----------|----|
| 1            | 254.26   | 254.23        | 254.19 - | 254.20 - | 254.27          | 254.27   | 254.31   | 254.34 +        | 254.25    | 254.30    | 254.29   | 254.24   | 1  |
| 2            | 254.27   | 254.22        | 254.19 - | 254.20 - | 254.26          | 254.26   | 254.31   | 254.34 +        | 254.27    | 254.29    | 254.29   | 254.23   | 2  |
| 3            | 254.27   | 254.22        | 254.19 - | 254.20 - | 254.26          | 254.25 - | 254.31   | 254.33          | 254.27    | 254.29    | 254.29   | 254.22 - | 3  |
| 4            | 254.27   | 254.23        | 254.20   | 254.22   | 254.26          | 254.25 - | 254.30   | 254.31          | 254.26    | 254.29    | 254.31 + | 254.23   | 4  |
| 5            | 254.27   | 254.24        | 254.21   | 254.22   | 254.26          | 254.26   | 254.29   | 254.29          | 254.25    | 254.29    | 254.31 + | 254.24   | 5  |
| Tagesmittel  |          |               |          |          |                 |          |          |                 |           |           |          |          |    |
| 6            | 254.26   | 254.25        | 254.21   | 254.22   | 254.26          | 254.27   | 254.30   | 254.28          | 254.25    | 254.30    | 254.30   | 254.24   | 6  |
| 7            | 254.27   | 254.26        | 254.22   | 254.22   | 254.26          | 254.29   | 254.32   | 254.28          | 254.26    | 254.32    | 254.29   | 254.24   | 7  |
| 8            | 254.27   | 254.27        | 254.23   | 254.22   | 254.26          | 254.30   | 254.33   | 254.29          | 254.27    | 254.32    | 254.29   | 254.24   | 8  |
| 9            | 254.28   | 254.28        | 254.23   | 254.24   | 254.26          | 254.32   | 254.33   | 254.27          | 254.29 +  | 254.34    | 254.29   | 254.25   | 9  |
| 10           | 254.29 + | 254.28        | 254.25   | 254.25   | 254.26          | 254.34   | 254.33   | 254.29          | 254.29 +  | 254.36 +  | 254.28   | 254.25   | 10 |
| 11           | 254.28   | 254.30 +      | 254.27   | 254.25   | 254.25          | 254.36 + | 254.32   | 254.30          | 254.27    | 254.34    | 254.28   | 254.25   | 11 |
| 12           | 254.26   | 254.30 +      | 254.27   | 254.24   | 254.26          | 254.35   | 254.31   | 254.32          | 254.25    | 254.32    | 254.27   | 254.25   | 12 |
| 13           | 254.26   | 254.29        | 254.26   | 254.25   | 254.26          | 254.34   | 254.31   | 254.33          | 254.25    | 254.32    | 254.26   | 254.24   | 13 |
| 14           | 254.29 + | 254.26        | 254.26   | 254.27   | 254.25          | 254.33   | 254.32   | 254.33          | 254.23    | 254.31    | 254.25   | 254.25   | 14 |
| Max. +       | 254.27   | 254.23        | 254.29   | 254.28   | 254.23          | 254.33   | 254.34 + | 254.32          | 254.23    | 254.31    | 254.25   | 254.25   | 15 |
| 16           | 254.25   | 254.20        | 254.30 + | 254.28   | 254.23          | 254.34   | 254.32   | 254.31          | 254.22    | 254.30    | 254.25   | 254.25   | 16 |
| 17           | 254.25   | 254.17        | 254.28   | 254.28   | 254.22 -        | 254.33   | 254.31   | 254.30          | 254.21    | 254.28    | 254.25   | 254.24   | 17 |
| 18           | 254.24   | 254.16 -      | 254.27   | 254.28   | 254.23          | 254.32   | 254.30   | 254.29          | 254.20 -  | 254.26    | 254.25   | 254.23   | 18 |
| 19           | 254.23   | 254.16 -      | 254.26   | 254.29 + | 254.24          | 254.32   | 254.29   | 254.30          | 254.20 -  | 254.27    | 254.25   | 254.23   | 19 |
| Min. -       | 254.23   | 254.17        | 254.24   | 254.29 + | 254.29          | 254.32   | 254.29   | 254.31          | 254.20 -  | 254.25 -  | 254.25   | 254.23   | 20 |
| 21           | 254.23   | 254.17        | 254.23   | 254.29 + | 254.34          | 254.33   | 254.29   | 254.34 +        | 254.22    | 254.26    | 254.23 - | 254.24   | 21 |
| 22           | 254.23   | 254.17        | 254.22   | 254.29 + | 254.36 +        | 254.34   | 254.30   | 254.34 +        | 254.24    | 254.27    | 254.23 - | 254.27   | 22 |
| 23           | 254.23   | 254.17        | 254.21   | 254.29 + | 254.34          | 254.35   | 254.29   | 254.33          | 254.27    | 254.28    | 254.23 - | 254.29   | 23 |
| 24           | 254.23   | 254.17        | 254.20   | 254.27   | 254.29          | 254.33   | 254.27   | 254.32          | 254.27    | 254.28    | 254.23 - | 254.31   | 24 |
| 25           | 254.22 - | 254.18        | 254.20   | 254.27   | 254.26          | 254.32   | 254.25 - | 254.31          | 254.27    | 254.27    | 254.24   | 254.33   | 25 |
| 26           | 254.22 - | 254.19        | 254.20   | 254.27   | 254.26          | 254.32   | 254.26   | 254.30          | 254.28    | 254.27    | 254.23 - | 254.34   | 26 |
| 27           | 254.23   | 254.20        | 254.21   | 254.28   | 254.27          | 254.31   | 254.30   | 254.29          | 254.28    | 254.27    | 254.23 - | 254.36   | 27 |
| 28           | 254.24   | 254.19        | 254.21   | 254.28   | 254.28          | 254.29   | 254.31   | 254.29          | 254.29 +  | 254.27    | 254.23 - | 254.37 + | 28 |
| 29           | 254.24   |               | 254.22   | 254.28   | 254.28          | 254.28   | 254.34 + | 254.28          | 254.29 +  | 254.28    | 254.24   | 254.37 + | 29 |
| 30           | 254.25   |               | 254.21   | 254.28   | 254.28          | 254.30   | 254.34 + | 254.27          | 254.29 +  | 254.29    | 254.25   | 254.35   | 30 |
| 31           | 254.24   |               | 254.20   | 254.28   | 254.28          | 254.30   | 254.34 + | 254.25 -        | 254.29 +  | 254.30    | 254.25   | 254.34   | 31 |
| Monatsmittel | 254.25   | 254.22 -      | 254.23   | 254.26   | 254.27          | 254.31 + | 254.31 + | 254.31 +        | 254.25    | 254.29    | 254.26   | 254.27   |    |
| Maximum      | 254.30   | 254.31        | 254.31   | 254.29 - | 254.36          | 254.37   | 254.38 + | 254.35          | 254.30    | 254.37    | 254.32   | 254.38 + |    |
| Datum        | 14.01    | 11.02         | 16.03    | 20.04    | 22.05           | 11.06    | 26.07    | 21.08           | 09.09     | 10.10     | 05.11    | 28.12    |    |
| Amplitude    | 0.08     | 0.15          | 0.13     | 0.10     | 0.15            | 0.12     | 0.14     | 0.11            | 0.11      | 0.12      | 0.10     | 0.16     |    |
| Jahr 2019    | Mittel   | 254.27 m ü.M. |          | Maximum  | 254.38 (28.Dez) |          | Minimum  | 254.16 (18.Feb) |           | Amplitude | 0.22 m   |          |    |



| Periode      | 2008 - 2019 |               |          |          |                      |        |          |                      |          |           |          |          |
|--------------|-------------|---------------|----------|----------|----------------------|--------|----------|----------------------|----------|-----------|----------|----------|
| Monatsmittel | 254.29 +    | 254.28        | 254.25   | 254.24 - | 254.28               | 254.28 | 254.29 + | 254.27               | 254.24 - | 254.26    | 254.26   | 254.29 + |
| Maximum      | 254.49      | 254.41        | 254.37 - | 254.38   | 254.42               | 254.49 | 254.47   | 254.50 +             | 254.37 - | 254.40    | 254.43   | 254.49   |
| Jahr         | 2010        | 2013          | 2015     | 2012     | 2013                 | 2016   | 2014     | 2009                 | 2010     | 2012      | 2012     | 2009     |
| Minimum      | 254.15      | 254.13        | 254.14   | 254.10   | 254.13               | 254.15 | 254.15   | 254.16               | 254.09   | 254.12    | 254.08 - | 254.18 + |
| Jahr         | 2017        | 2009          | 2010     | 2010     | 2014                 | 2014   | 2017     | 2011                 | 2016     | 2016      | 2011     | 2015     |
| Amplitude    | 0.25        | 0.16          | 0.15 -   | 0.18     | 0.20                 | 0.26 + | 0.23     | 0.23                 | 0.16     | 0.22      | 0.21     | 0.20     |
| Jahr         | 2010        | 2009          | 2015     | 2013     | 2013                 | 2015   | 2014     | 2009                 | 2008     | 2018      | 2011     | 2009     |
| Periode      | Mittel      | 254.27 m ü.M. |          | Maximum  | 254.50 (10.Aug 2009) |        | Minimum  | 254.08 (04.Nov 2011) |          | Amplitude | 0.42 m   |          |

Darstellung der letzten 12 Jahre

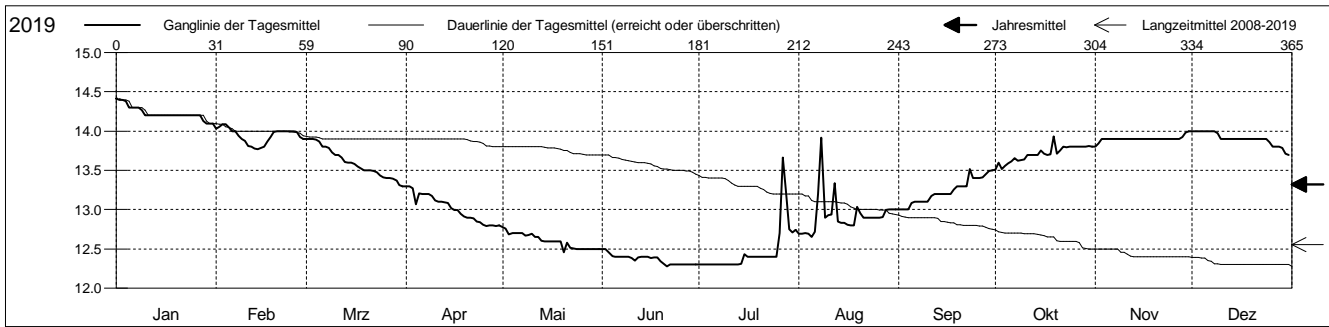


**Grundwassertemperatur**

Birstal  
 Birsfelden 17.J.8 Swissterminal  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

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

| 2019         | Januar | Februar | März   | April   | Mai           | Juni   | Juli    | August        | September | Oktober   | November | Dezember |    |
|--------------|--------|---------|--------|---------|---------------|--------|---------|---------------|-----------|-----------|----------|----------|----|
| 1            | 14.4 + | 14.0    | 13.9 + | 13.3 +  | 12.8 +        | 12.5 + | 12.3 -  | 12.7          | 13.0 -    | 13.5 -    | 13.8 -   | 14.0 +   | 1  |
| 2            | 14.4 + | 14.1 +  | 13.9 + | 13.3 +  | 12.8 +        | 12.5 + | 12.3 -  | 12.7          | 13.0 -    | 13.6 -    | 13.8 -   | 14.0 +   | 2  |
| 3            | 14.4 + | 14.1 +  | 13.9 + | 13.3 +  | 12.7          | 12.5 + | 12.3 -  | 12.7          | 13.0 -    | 13.5 -    | 13.9     | 14.0 +   | 3  |
| 4            | 14.4 + | 14.1 +  | 13.9 + | 13.1    | 12.7          | 12.4   | 12.3 -  | 12.7          | 13.0 -    | 13.6      | 13.9     | 14.0 +   | 4  |
| 5            | 14.3   | 14.0    | 13.9 + | 13.2    | 12.7          | 12.4   | 12.3 -  | 12.6 -        | 13.1      | 13.6      | 13.9     | 14.0 +   | 5  |
| 6            | 14.3   | 14.0    | 13.8   | 13.2    | 12.7          | 12.4   | 12.3 -  | 12.7          | 13.1      | 13.6      | 13.9     | 14.0 +   | 6  |
| 7            | 14.3   | 14.0    | 13.8   | 13.2    | 12.7          | 12.4   | 12.3 -  | 13.2          | 13.1      | 13.7      | 13.9     | 14.0 +   | 7  |
| 8            | 14.3   | 13.9    | 13.8   | 13.2    | 12.7          | 12.4   | 12.3 -  | 13.9 +        | 13.1      | 13.6      | 13.9     | 14.0 +   | 8  |
| 9            | 14.3   | 13.9    | 13.7   | 13.2    | 12.7          | 12.4   | 12.3 -  | 12.9          | 13.1      | 13.6      | 13.9     | 14.0 +   | 9  |
| 10           | 14.2   | 13.9    | 13.7   | 13.1    | 12.7          | 12.4   | 12.3 -  | 12.9          | 13.1      | 13.6      | 13.9     | 13.9     | 10 |
| 11           | 14.2   | 13.8 -  | 13.7   | 13.1    | 12.6          | 12.4   | 12.3 -  | 12.9          | 13.2      | 13.7      | 13.9     | 13.9     | 11 |
| 12           | 14.2   | 13.8 -  | 13.7   | 13.1    | 12.6          | 12.4   | 12.3 -  | 13.3          | 13.2      | 13.7      | 13.9     | 13.9     | 12 |
| 13           | 14.2   | 13.8 -  | 13.6   | 13.1    | 12.6          | 12.4   | 12.3 -  | 12.9          | 13.2      | 13.7      | 13.9     | 13.9     | 13 |
| 14           | 14.2   | 13.8 -  | 13.6   | 13.1    | 12.6          | 12.4   | 12.3 -  | 12.8          | 13.2      | 13.7      | 13.9     | 13.9     | 14 |
| 15           | 14.2   | 13.8 -  | 13.6   | 13.0    | 12.6          | 12.4   | 12.4    | 12.8          | 13.2      | 13.8      | 13.9     | 13.9     | 15 |
| 16           | 14.2   | 13.8 -  | 13.6   | 13.0    | 12.6          | 12.4   | 12.4    | 12.8          | 13.2      | 13.7      | 13.9     | 13.9     | 16 |
| 17           | 14.2   | 13.9    | 13.6   | 13.0    | 12.6          | 12.4   | 12.4    | 12.8          | 13.2      | 13.7      | 13.9     | 13.9     | 17 |
| 18           | 14.2   | 13.9    | 13.5   | 12.9    | 12.6          | 12.4   | 12.4    | 12.8          | 13.3      | 13.7      | 13.9     | 13.9     | 18 |
| 19           | 14.2   | 14.0    | 13.5   | 12.9    | 12.6          | 12.3 - | 12.4    | 13.0          | 13.3      | 13.9 +    | 13.9     | 13.9     | 19 |
| 20           | 14.2   | 14.0    | 13.5   | 12.9    | 12.5 -        | 12.3 - | 12.4    | 13.0          | 13.3      | 13.7      | 13.9     | 13.9     | 20 |
| 21           | 14.2   | 14.0    | 13.5   | 12.9    | 12.6          | 12.3 - | 12.4    | 12.9          | 13.3      | 13.8      | 13.9     | 13.9     | 21 |
| 22           | 14.2   | 14.0    | 13.5   | 12.9    | 12.5 -        | 12.3 - | 12.4    | 12.9          | 13.3      | 13.8      | 13.9     | 13.9     | 22 |
| 23           | 14.2   | 14.0    | 13.5   | 12.9    | 12.5 -        | 12.3 - | 12.4    | 12.9          | 13.5 +    | 13.8      | 13.9     | 13.9     | 23 |
| 24           | 14.2   | 14.0    | 13.4   | 12.8 -  | 12.5 -        | 12.3 - | 12.4    | 12.9          | 13.4      | 13.8      | 13.9     | 13.9     | 24 |
| 25           | 14.2   | 14.0    | 13.4   | 12.8 -  | 12.5 -        | 12.3 - | 12.4    | 12.9          | 13.4      | 13.8      | 13.9     | 13.9     | 25 |
| 26           | 14.2   | 14.0    | 13.4   | 12.8 -  | 12.5 -        | 12.3 - | 12.7    | 12.9          | 13.4      | 13.8      | 13.9     | 13.8     | 26 |
| 27           | 14.2   | 13.9    | 13.4   | 12.8 -  | 12.5 -        | 12.3 - | 13.7 +  | 12.9          | 13.4      | 13.8      | 13.9     | 13.8     | 27 |
| 28           | 14.1 - | 13.9    | 13.4   | 12.8 -  | 12.5 -        | 12.3 - | 13.2    | 13.0          | 13.4      | 13.8      | 13.9     | 13.8     | 28 |
| 29           | 14.1 - |         | 13.4   | 12.8 -  | 12.5 -        | 12.3 - | 12.8    | 13.0          | 13.5 +    | 13.8      | 14.0 +   | 13.8     | 29 |
| 30           | 14.1 - |         | 13.3 - | 12.8 -  | 12.5 -        | 12.3 - | 12.7    | 13.0          | 13.5 +    | 13.8      | 14.0 +   | 13.7 -   | 30 |
| 31           | 14.1 - |         | 13.3 - |         | 12.5 -        |        | 12.7    | 13.0          |           | 13.8      |          | 13.7 -   | 31 |
| Monatsmittel | 14.2 + | 13.9    | 13.6   | 13.0    | 12.6          | 12.4 - | 12.5    | 12.9          | 13.2      | 13.7      | 13.9     | 13.9     |    |
| Maximum      | 14.5   | 14.1    | 13.9   | 13.3    | 12.8          | 12.5 - | 14.8 +  | 14.5          | 14.3      | 14.2      | 14.0     | 14.0     |    |
| Datum        | 01.01  | 01.02   | 01.03  | 01.04   | 01.05         | 01.06  | 26.07   | 07.08         | 23.09     | 19.10     | 03.11    | 01.12    |    |
| Minimum      | 14.0 + | 13.7    | 13.3   | 12.7    | 12.1 -        | 12.2   | 12.3    | 12.6          | 13.0      | 13.5      | 13.8     | 13.7     |    |
| Datum        | 31.01  | 13.02   | 28.03  | 26.04   | 20.05         | 11.06  | 01.07   | 01.08         | 01.09     | 01.10     | 01.11    | 29.12    |    |
| Amplitude    | 0.5    | 0.4     | 0.6    | 0.6     | 0.7           | 0.3    | 2.5     | 1.9           | 1.3       | 0.7       | 0.2      | 0.3      |    |
| Jahr 2019    | Mittel | 13.3 °C |        | Maximum | 14.8 (26.Jul) |        | Minimum | 12.1 (20.Mai) |           | Amplitude | 2.7 °C   |          |    |



| Periode      | 2008 - 2019 |         |      |         |                    |        |         |                    |      |           |        |        |  |
|--------------|-------------|---------|------|---------|--------------------|--------|---------|--------------------|------|-----------|--------|--------|--|
| Monatsmittel | 13.2        | 12.7    | 12.3 | 11.9    | 11.6 -             | 11.6 - | 11.8    | 12.3               | 12.8 | 13.3      | 13.6 + | 13.6 + |  |
| Maximum      | 14.5        | 14.1    | 13.9 | 13.3    | 12.8 -             | 14.1   | 15.0    | 15.7 +             | 14.9 | 15.4      | 14.7   | 14.7   |  |
| Jahr         | 2019        | 2019    | 2019 | 2019    | 2019               | 2015   | 2016    | 2016               | 2015 | 2018      | 2018   | 2018   |  |
| Minimum      | 11.8        | 10.8    | 10.8 | 10.7    | 10.2 -             | 11.0   | 11.0    | 11.4               | 11.9 | 12.5      | 12.8 + | 12.5   |  |
| Jahr         | 2014        | 2011    | 2014 | 2016    | 2013               | 2008   | 2008    | 2008               | 2008 | 2008      | 2010   | 2013   |  |
| Amplitude    | 1.2         | 1.4     | 1.1  | 1.4     | 1.2                | 2.5    | 3.3     | 3.7 +              | 2.3  | 1.6       | 0.8    | 0.6 -  |  |
| Jahr         | 2017        | 2016    | 2014 | 2012    | 2013               | 2015   | 2016    | 2016               | 2015 | 2014      | 2013   | 2009   |  |
| Periode      | Mittel      | 12.6 °C |      | Maximum | 15.7 (17.Aug 2016) |        | Minimum | 10.2 (02.Mai 2013) |      | Amplitude | 5.5 °C |        |  |

Darstellung der letzten 12 Jahre

