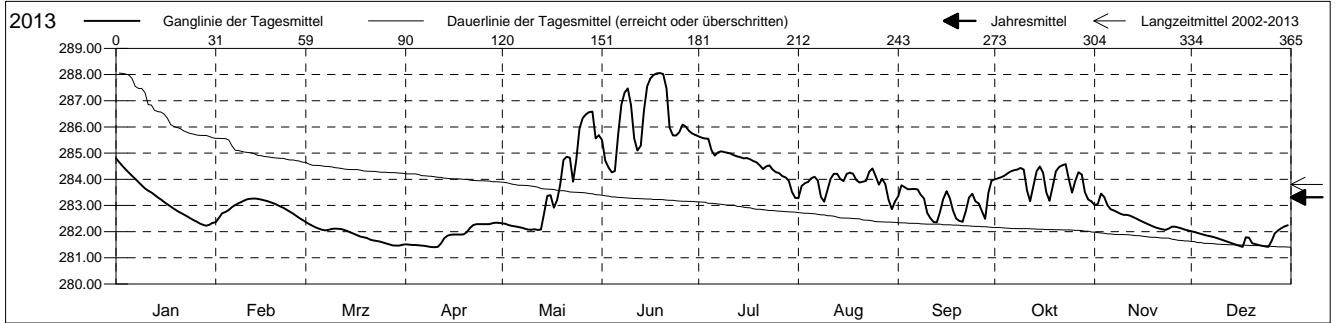


**Grundwasserstände**

Birstal  
 Aesch 11.J.15 Vers.-Anlage  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

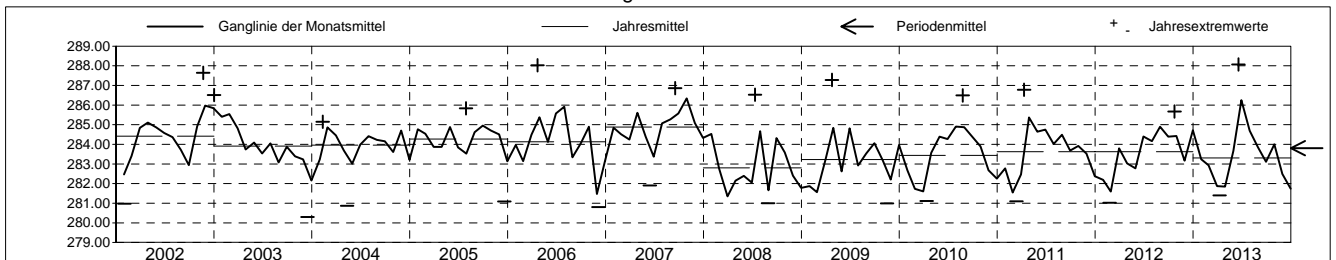
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	284.80 +	282.36 -	282.37 +	281.52	282.32	285.50	285.64 +	283.28	283.36	284.00	283.01	282.02	1
2	284.65	282.52	282.29	281.51	282.30	284.71	285.59	283.74	283.77	284.04	283.06	281.98	2
3	284.51	282.70	282.23	281.49	282.25	284.45	285.56	283.85	283.70	284.08	283.46 +	281.95	3
4	284.38	282.75	282.17	281.49	282.22	284.27 -	285.55	283.90	283.62	284.14	283.32	281.91	4
5	284.26	282.83	282.11	281.48	282.20	284.31	285.11	284.04	283.63	284.23	283.01	281.88	5
Tagesmittel													
6	284.14	282.94	282.07	281.47	282.18	285.73	284.90	284.10	283.63	284.31	282.86	281.84	6
7	284.02	283.01	282.05	281.45	282.15	286.85	285.03	283.95	283.62	284.34	282.81	281.82	7
8	283.89	283.08	282.07	281.43	282.12	287.31	285.07	283.32	283.41	284.37	282.74	281.79	8
9	283.77	283.14	282.10	281.41 -	282.08	287.47	285.04	283.15	283.27	284.43	282.68	281.75	9
10	283.65	283.19	282.11	281.41 -	282.07 -	286.83	285.01	283.58	282.72	284.37	282.64	281.71	10
11	283.56	283.24	282.11	281.41 -	282.09	285.56	284.97	284.02	282.51	283.56	282.64	281.67	11
12	283.50	283.26 +	282.10	281.55	282.07 -	285.10	284.92	284.21	282.36	283.16 -	282.61	281.63	12
13	283.40	283.26 +	282.06	281.76	282.08	285.28	284.87	284.22	282.35 -	283.76	282.56	281.58	13
14	283.31	283.25	282.02	281.85	282.70	286.63	284.84	284.01	282.75	284.31	282.50	281.54	14
Max. +	283.22	283.23	281.96	281.88	283.37	287.55	284.80	283.93	283.24	284.49	282.43	281.50	15
16	283.13	283.20	281.91	281.89	283.39	287.85	284.81	284.21	283.54	284.25	282.37	281.45	16
17	283.04	283.17	281.86	281.89	282.91	287.98	284.76	284.25	283.28	283.50	282.32	281.42 -	17
18	282.96	283.13	281.81	281.89	283.20	288.05	284.69	284.21	282.81	283.18	282.26	281.79	18
19	282.88	283.08	281.78	281.89	283.77	288.06 +	284.65	283.97	282.50	283.72	282.20	281.76	19
Min. -	282.80	283.02	281.75	281.98	284.74	288.02	284.53	283.87	282.41	284.30	282.16	281.55	20
21	282.73	282.97	281.69	282.14	284.86	287.47	284.39	283.91	282.38	284.48	282.12	281.52	21
22	282.66	282.91	281.67	282.25	284.82	285.98	284.49	283.94	282.78	284.54	282.09	281.48	22
23	282.59	282.84	281.65	282.28	283.91	285.68	284.53	284.29	283.30	284.58 +	282.07	281.46	23
24	282.52	282.77	281.62	282.29	284.74	285.68	284.37	284.41 +	283.45	283.99	282.11	281.44	24
25	282.45	282.69	281.58	282.28	285.93	285.80	284.27	284.11	283.16	283.49	282.19	281.42 -	25
26	282.38	282.60	281.55	282.28	286.33	286.09	284.24	283.80	283.07	283.93	282.19	281.64	26
27	282.32	282.52	281.51	282.28	286.49	286.02	284.12	284.02	282.78	284.27	282.16	281.94	27
28	282.26	282.44	281.47	282.32	286.57	285.85	284.07	283.81	282.49	284.18	282.12	282.05	28
29	282.22 -		281.46 -	282.34 +	286.58 +	285.76	283.94	283.23	283.48	283.51	282.08	282.14	29
30	282.26		281.47	282.34 +	285.57	285.69	283.51	282.86 -	283.95 +	283.23	282.04 -	282.20	30
31	282.34		281.50		285.68		283.29 -			283.16 -		282.24 +	31
Monatsmittel	283.24	282.93	281.87	281.85	283.67	286.25 +	284.70	283.85	283.11	284.00	282.49	281.74 -	
Maximum	284.87	283.27	282.40	282.35	286.69	288.07 +	285.67	284.52	283.97	284.64	283.58	282.26 -	
Datum	01.01	13.02	01.03	29.04	29.05	19.06	01.07	23.08	30.09	23.10	03.11	31.12	
Amplitude	2.66	0.91	0.94	0.95	4.66	3.95	2.46	1.76	1.72	1.64	1.54	0.86	
Jahr 2013	Mittel	283.31 m ü.M.		Maximum	288.07 (19.Jun)		Minimum	281.40 (09.Apr)		Amplitude	6.67 m		



Periode	2002 - 2013												
Monatsmittel	283.50	283.18 -	283.41	284.02	283.82	284.28	284.39 +	283.96	284.12	284.24	283.45	283.23	
Maximum	286.51	285.85 -	286.78	288.03	286.78	288.07 +	286.69	286.70	286.86	287.20	287.64	287.57	
Jahr	2003	2003	2009	2006	2006	2013	2006	2007	2007	2002	2002	2002	
Minimum	281.20	280.97	281.10	281.11	280.87	281.27	281.31	280.97	280.94	281.60 +	280.87	280.30 -	
Jahr	2002	2002	2011	2010	2004	2008	2005	2003	2003	2009	2006	2003	
Amplitude	3.31 -	3.75	5.03	5.25 +	4.66	4.14	4.52	3.35	4.02	4.44	4.70	4.62	
Jahr	2004	2002	2009	2010	2013	2007	2005	2003	2006	2002	2011	2006	
Periode	Mittel	283.80 m ü.M.		Maximum	288.07 (19.Jun 2013)		Minimum	280.30 (16.Dez 2003)		Amplitude	7.77 m		

Darstellung der letzten 12 Jahre

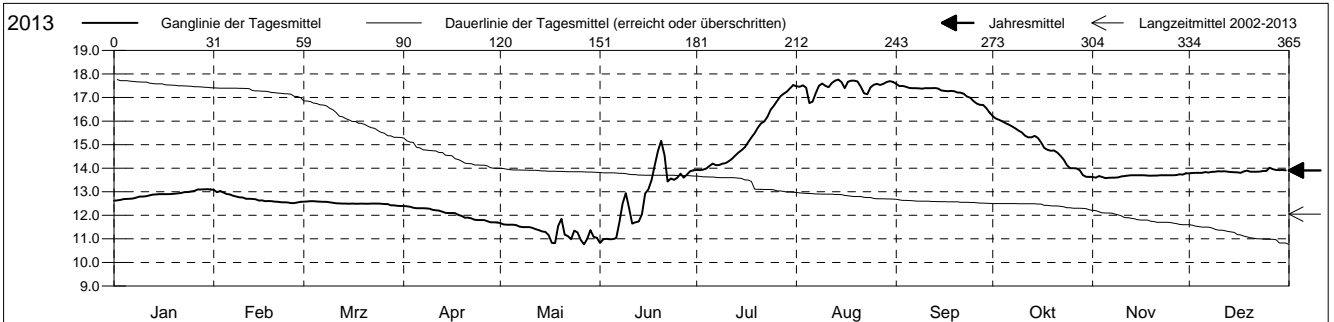


**Grundwassertemperatur**

Birstal  
 Aesch 11.J.15 Vers.-Anlage  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

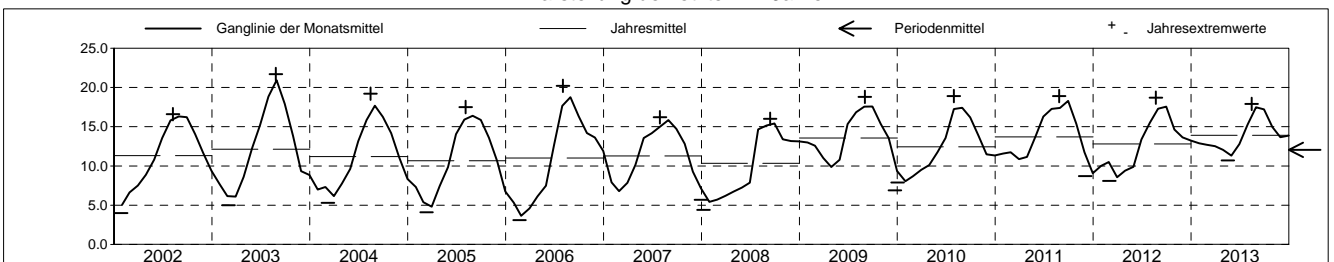
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.6 -	13.1 +	12.6 +	12.4 +	11.7	10.8 -	13.9 -	17.5	17.6 +	16.2 +	13.6 -	13.8 -	1
2	12.6 -	13.0	12.6 +	12.4 +	11.6	11.0	13.9 -	17.5	17.5	16.1	13.6 -	13.8 -	2
3	12.7	13.0	12.6 +	12.4 +	11.6	11.0	13.9 -	17.5	17.5	16.0	13.7	13.8 -	3
4	12.7	13.0	12.6 +	12.3	11.6	11.0	14.0	17.4	17.5	16.0	13.6 -	13.8 -	4
5	12.7	12.9	12.6 +	12.3	11.6	11.0	14.1	16.8 -	17.4	15.9	13.6 -	13.8 -	5
6	12.7	12.9	12.6 +	12.3	11.6	11.0	14.2	16.8 -	17.4	15.8	13.6 -	13.8 -	6
7	12.7	12.8	12.6 +	12.3	11.5	11.7	14.1	17.2	17.4	15.8	13.6 -	13.8 -	7
8	12.8	12.8	12.6 +	12.3	11.5	12.5	14.1	17.5	17.4	15.7	13.6 -	13.8 -	8
9	12.8	12.8	12.6 +	12.3	11.5	12.9	14.2	17.6	17.4	15.6	13.6 -	13.9	9
10	12.8	12.8	12.5	12.2	11.5	12.3	14.2	17.5	17.4	15.5	13.6 -	13.9	10
11	12.8	12.7	12.5	12.2	11.5	11.6	14.3	17.4	17.4	15.4	13.7	13.9	11
12	12.8	12.7	12.5	12.2	11.4	11.7	14.4	17.6	17.4	15.3	13.7	13.9	12
13	12.9	12.7	12.5	12.1	11.4	11.7	14.5	17.7	17.4	15.3	13.7	13.9	13
14	12.9	12.7	12.5	12.1	11.3	12.0	14.7	17.8 +	17.4	15.4	13.7	13.8 -	14
15	12.9	12.6	12.5	12.1	11.3	12.9	14.8	17.7	17.3	15.3	13.7	13.8 -	15
16	12.9	12.6	12.5	12.1	11.2	13.1	14.9	17.4	17.3	15.1	13.7	13.8 -	16
17	12.9	12.6	12.5	12.1	10.8 -	13.5	15.1	17.7	17.3	14.9	13.7	13.8 -	17
18	12.9	12.6	12.5	12.0	10.8 -	14.1	15.3	17.7	17.3	14.8	13.7	13.9	18
19	12.9	12.6	12.5	12.0	11.5	14.7	15.5	17.7	17.3	14.7	13.7	13.9	19
20	12.9	12.6	12.5	11.9	11.9 +	15.2 +	15.7	17.7	17.2	14.8	13.7	13.9	20
21	12.9	12.6	12.5	11.9	11.2	14.6	15.9	17.5	17.2	14.7	13.7	13.9	21
22	13.0	12.6	12.5	11.9	11.1	13.4	16.0	17.2	17.2	14.5	13.7	13.9	22
23	13.0	12.6	12.5	11.8	11.0	13.6	16.2	17.1	17.0	14.4	13.7	13.9	23
24	13.0	12.5 -	12.5	11.8	11.4	13.5	16.5	17.4	17.0	14.1	13.7	13.9	24
25	13.0	12.5 -	12.5	11.8	11.3	13.6	16.6	17.5	16.8	14.0	13.7	13.9	25
26	13.0	12.5 -	12.5	11.8	11.0	13.8	16.9	17.6	16.7	14.0	13.7	14.0 +	26
27	13.1 +	12.5 -	12.5	11.8	10.8 -	13.6	17.0	17.5	16.7	14.0	13.7	14.0 +	27
28	13.1 +	12.6	12.4 -	11.7 -	11.0	13.7	17.2	17.6	16.7	13.9	13.7	13.9	28
29	13.1 +		12.4 -	11.7 -	11.4	13.9	17.2	17.7	16.5	13.7	13.7	13.9	29
30	13.1 +		12.4 -	11.7 -	11.1	13.9	17.4	17.7	16.4 -	13.6 -	13.8 +	13.9	30
31	13.1 +		12.4 -		11.0		17.5 +	17.7		13.6 -		13.9	31
Monatsmittel	12.9	12.7	12.5	12.1	11.3 -	12.8	15.3	17.5 +	17.2	15.0	13.7	13.9	
Maximum	13.2	13.1	12.7	12.4	12.1 -	15.3	17.6	17.9 +	17.6	16.3	13.8	14.3	
Datum	30.01	01.02	04.03	01.04	20.05	20.06	31.07	14.08	01.09	01.10	26.11	26.12	
Minimum	12.5	12.5	12.3	11.6	10.7 -	10.7 -	13.9	16.7 +	16.3	13.6	13.5	13.7	
Datum	01.01	17.02	31.03	30.04	18.05	01.06	01.07	05.08	30.09	29.10	04.11	01.12	
Amplitude	0.7	0.6	0.4	0.8	1.4	4.6	3.7	1.2	1.3	2.7	0.3	0.6	
Jahr 2013	Mittel	13.9 °C		Maximum	17.9 (14.Aug)		Minimum	10.7 (18.Mai)		Amplitude	7.2 °C		



Periode	2002 - 2013												
Monatsmittel	8.4	8.2	8.0 -	9.0	10.7	13.5	16.3	17.3 +	16.6	14.2	11.9	10.2	
Maximum	13.2	13.1	12.7 -	12.7 -	15.5	18.0	20.0	21.7 +	21.6	17.1	15.4	14.4	
Jahr	2013	2013	2013	2007	2011	2003	2003	2003	2003	2011	2009	2006	
Minimum	3.4	3.1 -	3.8	4.8	6.8	7.4	11.2	14.7 +	13.4	10.5	7.1	5.4	
Jahr	2006	2006	2006	2006	2006	2008	2008	2008	2007	2003	2005	2005	
Amplitude	4.7	3.6 -	4.1	4.6	4.7	6.0	4.6	3.6 -	5.2	5.7	5.5	7.2 +	
Jahr	2002	2002	2009	2007	2004	2006	2008	2006	2003	2003	2005	2006	
Periode	Mittel	12.1 °C		Maximum	21.7 (27.Aug 2003)		Minimum	3.1 (21.Feb 2006)		Amplitude	18.6 °C		

Darstellung der letzten 12 Jahre

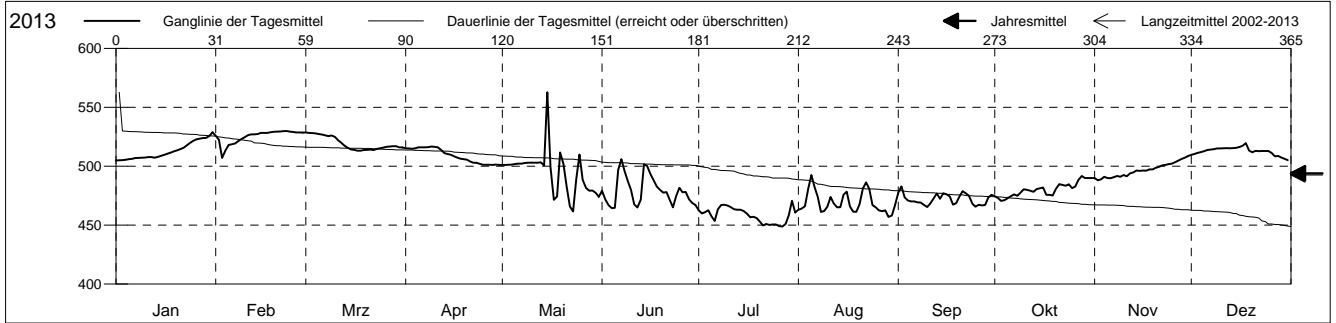


**Leitfähigkeit**

Birstal  
 Aesch 11.J.15 Vers.-Anlage  
 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

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	505 -	526	529 +	515	501	479	463	463	477	475	490	510	1
2	505 -	522	528	515	501	472	460	464	483 +	473	488 -	510	2
3	505 -	507 -	528	515	501	467	461	466	474	470 -	489	511	3
4	505 -	513	528	515	501	464 -	463	481	471	471	491	512	4
5	506	518	527	516	502	465	457	493 +	470	473	490	513	5
6	506	519	527	516	502	497	454	482	470	475	490	514	6
7	507	519	526	516	502	506 +	463	474	469	476	491	514	7
8	507	521	526	516	503	496	467	461	469	475	492	514	8
9	507	523	526	517 +	503	487	467	462	467	478	491	515	9
10	507	525	525	516	503	480	467	466	465 -	480	493	515	10
11	508	526	522	516	503	468	465	474	468	480	492	515	11
12	508	527	520	514	503	465	463	468	473	479	494	515	12
13	507	527	517	511	503	472	463	465	477	478	495	515	13
14	508	527	516	510	501	502	463	465	472	481	496	515	14
15	509	528	514	510	563 +	500	462	476	477	481	496	516	15
16	510	528	514	508	499	494	460	478	476	482	496	516	16
17	511	528	513 -	507	471	488	457	466	474	476	496	517	17
18	512	529	513 -	506	474	483	457	461	467	476	497	520 +	18
19	513	529	514	506	512	480	456	461	469	475	497	513	19
20	513	529	514	506	502	478	453	468	474	481	499	512	20
21	514	530 +	514	504	483	478	450	481	479	485	500	513	21
22	516	530 +	514	503	466	472	451	486	477	484	501	513	22
23	518	530 +	515	503	462 -	465	450	481	475	483	501	513	23
24	520	529	515	502	489	475	451	467	468	485	502	513	24
25	522	529	516	501 -	510	482	451	465	466	481	502	513	25
26	523	529	516	501 -	488	478	449 -	463	467	483	503	511	26
27	523	529	517	501 -	482	478	449 -	462	467	488	505	508	27
28	524	528	517	501 -	479	472	451	462	467	492 +	506	509	28
29	524		517	501 -	479	469	458	457 -	474	490	507	507	29
30	526		516	501 -	477	467	471 +	458	476	490	509 +	506	30
31	529 +		516		474		461	467		490		505 -	31
Monatsmittel	513	525 +	519	509	495	479	458 -	469	472	480	497	513	
Maximum	531	535	529	517	585 +	518	476 -	496	489	494	511	521	
Datum	31.01	02.02	01.03	08.04	15.05	07.06	30.07	05.08	02.09	28.10	30.11	18.12	
Minimum	504	503	511 +	501	457	460	446 -	455	464	468	485	504	
Datum	01.01	03.02	18.03	25.04	23.05	12.06	27.07	29.08	25.09	03.10	03.11	31.12	
Amplitude	27	32	18	16	128	58	30	41	25	26	26	17	
Jahr 2013	Mittel	494		Maximum	585 (15.Mai)		Minimum	446 (27.Jul)		Amplitude	139		



Periode	2002 - 2013												
Monatsmittel	514	521 +	500	474	479	478	470 -	474	480	492	509	516	
Maximum	538	546	541	517 -	585 +	518	524	522	528	524	570	549	
Jahr	2009	2010	2009	2013	2013	2013	2011	2007	2007	2007	2011	2012	
Minimum	477	484	436	422 -	443	443	446	439	445	468	485	490 +	
Jahr	2007	2012	2012	2009	2009	2009	2013	2009	2009	2013	2013	2009	
Amplitude	53	52	79	86	128 +	58	73	75	71	49 -	66	53	
Jahr	2007	2012	2011	2010	2013	2013	2009	2007	2011	2011	2011	2006	
Periode	Mittel	493		Maximum	585 (15.Mai 2013)		Minimum	422 (23.Apr 2009)		Amplitude	163		

Darstellung der letzten 12 Jahre

