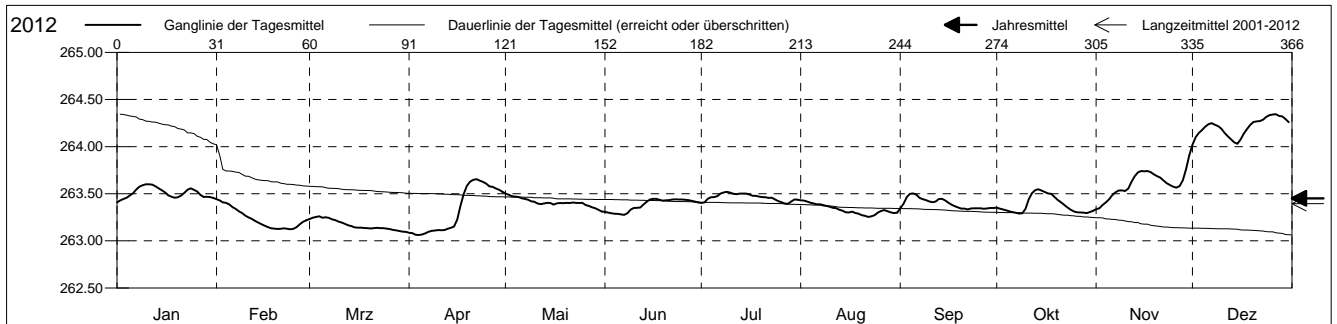


**Grundwasserstände**

Birstal  
 Münchenstein 20.J.116 Platanenweg  
 Abstichpunkt: 271.57 m ü.M.  
 OK Terrain: 271.78 m ü.M.

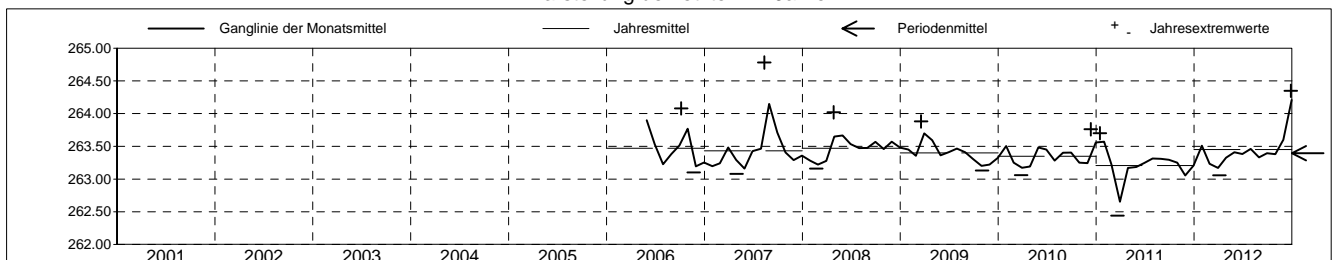
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	263.41 -	263.44 +	263.23	263.08	263.50 +	263.31	263.40	263.43 +	263.34	263.35	263.34 -	264.02 -	1
2	263.43	263.43	263.25	263.08	263.49	263.30	263.41	263.43 +	263.39	263.34	263.35	264.10	2
3	263.44	263.41	263.25	263.07	263.47	263.29	263.45	263.42	263.47	263.33	263.38	264.15	3
4	263.46	263.40	263.26 +	263.06 -	263.47	263.29	263.46	263.41	263.50 +	263.32	263.41	264.18	4
5	263.48	263.39	263.25	263.07	263.47	263.29	263.46	263.40	263.50 +	263.31	263.44	264.21	5
Tagesmittel													
6	263.51	263.36	263.25	263.08	263.45	263.28 -	263.48	263.39	263.49	263.30	263.48	264.24	6
7	263.54	263.34	263.24	263.10	263.45	263.28 -	263.50	263.39	263.46	263.30	263.51	264.25	7
8	263.57	263.31	263.23	263.11	263.44	263.29	263.51	263.38	263.44	263.29 -	263.53	264.23	8
9	263.59	263.29	263.22	263.11	263.42	263.33	263.52 +	263.37	263.43	263.29 -	263.54	264.22	9
10	263.60 +	263.27	263.20	263.12	263.41	263.35	263.51	263.36	263.42	263.34	263.53	264.19	10
11	263.60 +	263.25	263.20	263.11	263.40	263.35	263.50	263.35	263.41	263.44	263.55	264.14	11
12	263.60 +	263.23	263.18	263.11	263.39	263.35	263.50	263.35	263.42	263.50	263.63	264.11	12
13	263.58	263.21	263.17	263.13	263.40	263.39	263.50	263.33	263.44	263.54	263.69	264.08	13
14	263.56	263.19	263.16	263.14	263.40	263.41	263.50	263.32	263.45	263.55 +	263.73	264.04	14
Max. +	263.54	263.18	263.14	263.15	263.40	263.44	263.50	263.30	263.43	263.53	263.74	264.03	15
16	263.51	263.16	263.14	263.23	263.39	263.45 +	263.49	263.30	263.41	263.52	263.74	264.08	16
17	263.48	263.15	263.14	263.37	263.40	263.44	263.48	263.31	263.38	263.50	263.74	264.14	17
18	263.47	263.13	263.14	263.50	263.40	263.44	263.48	263.30	263.37	263.50	263.73	264.19	18
19	263.46	263.13	263.14	263.58	263.40	263.43	263.47	263.29	263.35	263.47	263.71	264.23	19
Min. -	263.46	263.13	263.13	263.63	263.40	263.43	263.47	263.27	263.34	263.44	263.69	264.26	20
21	263.48	263.13	263.14	263.65 +	263.40	263.43	263.46	263.26	263.34	263.41	263.67	264.27	21
22	263.51	263.13	263.14	263.65 +	263.41	263.44	263.46	263.25 -	263.33 -	263.38	263.64	264.27	22
23	263.54	263.13	263.13	263.64	263.40	263.44	263.46	263.26	263.34	263.36	263.61	264.29	23
24	263.56	263.12 -	263.13	263.63	263.40	263.44	263.44	263.27	263.35	263.33	263.59	264.31	24
25	263.54	263.13	263.13	263.61	263.40	263.44	263.42	263.30	263.35	263.31	263.57	264.34 +	25
26	263.52	263.15	263.12	263.58	263.38	263.44	263.41	263.32	263.34	263.30	263.57	264.34 +	26
27	263.49	263.18	263.12	263.57	263.37	263.43	263.40	263.33	263.34	263.30	263.58	264.34 +	27
28	263.47	263.20	263.11	263.56	263.36	263.42	263.39 -	263.31	263.34	263.30	263.64	264.33	28
29	263.47	263.22	263.11	263.54	263.34	263.42	263.42	263.30	263.35	263.30	263.76	264.32	29
30	263.46		263.10 -	263.52	263.33	263.41	263.44	263.29	263.35	263.30	263.91 +	264.29	30
31	263.46		263.10 -		263.31 -		263.44	263.30		263.32		264.26	31
Monatsmittel	263.51	263.23	263.17 -	263.33	263.41	263.38	263.46	263.33	263.40	263.38	263.60	264.21 +	
Maximum	263.60	263.45	263.27 -	263.67	263.51	263.45	263.53	263.44	263.51	263.56	263.96	264.35 +	
Datum	09.01	01.02	04.03	22.04	01.05	16.06	09.07	01.08	05.09	14.10	30.11	27.12	
Amplitude	0.20	0.34	0.18	0.61	0.20	0.18	0.15	0.19	0.19	0.28	0.64	0.38	
Jahr 2012	Mittel	263.45 m ü.M.		Maximum	264.35 (27.Dez)		Minimum	263.06 (04.Apr)		Amplitude	1.29 m		



Periode	2001 - 2012												
Monatsmittel	263.42	263.25	263.24 -	263.37	263.45	263.43	263.38	263.49 +	263.46	263.39	263.31	263.48	
Maximum	263.73	263.45 -	263.88	264.02	264.07	263.76	263.56	264.78 +	264.13	264.08	263.96	264.35	
Jahr	2010	2012	2009	2008	2006	2006	2009	2007	2007	2006	2012	2012	
Minimum	263.11	262.79	262.44 -	262.96	263.08	263.14	263.14	263.20	263.22 +	263.14	262.94	262.93	
Jahr	2007	2011	2011	2011	2007	2011	2006	2006	2011	2009	2011	2011	
Amplitude	0.44	0.62	0.52	0.67	0.49	0.41	0.23 -	1.40 +	0.62	0.69	0.64	0.57	
Jahr	2010	2011	2011	2008	2010	2006	2006	2007	2007	2006	2012	2010	
Periode	Mittel	263.39 m ü.M.		Maximum	264.78 (12.Aug 2007)		Minimum	262.44 (22.Mrz 2011)		Amplitude	2.34 m		

Darstellung der letzten 12 Jahre

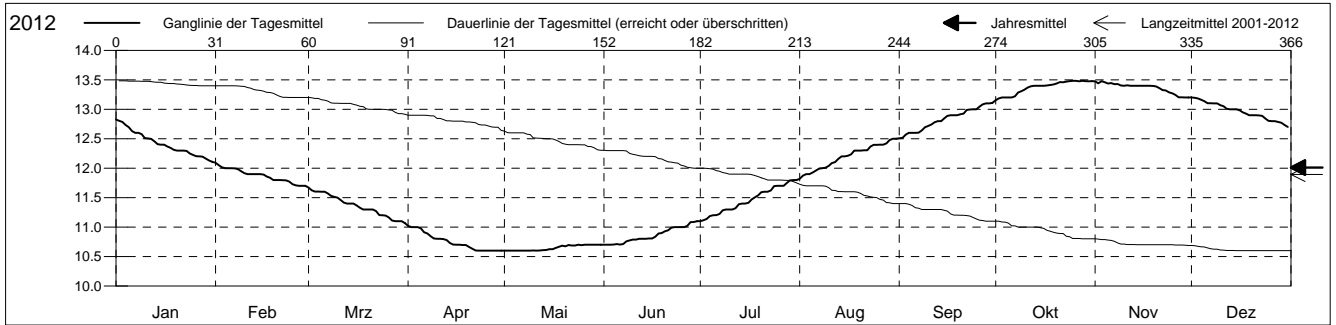


**Grundwassertemperatur**

Birstal  
 Münchenstein 20.J.116 Platanenweg  
 Abstichpunkt: 271.57 m ü.M.  
 OK Terrain: 271.78 m ü.M.

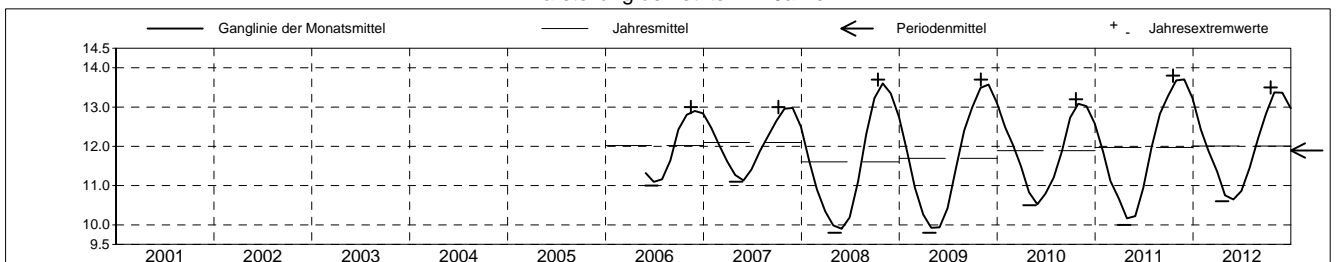
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.8 +	12.1 +	11.7 +	11.0 +	10.6 -	10.7 -	11.1 -	11.8 -	12.5 -	13.2 -	13.5 +	13.2 +	1
2	12.8 +	12.1 +	11.6	11.0 +	10.6 -	10.7 -	11.1 -	11.9	12.5 -	13.2 -	13.4	13.2 +	2
3	12.8 +	12.0	11.6	11.0 +	10.6 -	10.7 -	11.1 -	11.9	12.6	13.2 -	13.5 +	13.2 +	3
4	12.7	12.0	11.6	11.0 +	10.6 -	10.7 -	11.2	11.9	12.6	13.2 -	13.5 +	13.2 +	4
5	12.7	12.0	11.6	11.0 +	10.6 -	10.7 -	11.2	11.9	12.6	13.2 -	13.4	13.1	5
6	12.6	12.0	11.6	10.9	10.6 -	10.7 -	11.2	12.0	12.6	13.2 -	13.4	13.1	6
7	12.6	12.0	11.6	10.9	10.6 -	10.7 -	11.2	12.0	12.6	13.2 -	13.4	13.1	7
8	12.6	12.0	11.5	10.8	10.6 -	10.8	11.3	12.0	12.6	13.3	13.4	13.1	8
9	12.6	11.9	11.5	10.8	10.6 -	10.8	11.3	12.0	12.7	13.3	13.4	13.1	9
10	12.5	11.9	11.5	10.8	10.6 -	10.8	11.3	12.0	12.7	13.3	13.4	13.1	10
11	12.5	11.9	11.5	10.8	10.6 -	10.8	11.3	12.1	12.7	13.4	13.4	13.1	11
12	12.5	11.9	11.4	10.8	10.6 -	10.8	11.3	12.1	12.8	13.4	13.4	13.0	12
13	12.5	11.9	11.4	10.8	10.6 -	10.8	11.4	12.2	12.8	13.4	13.4	13.0	13
14	12.4	11.9	11.4	10.7	10.6 -	10.8	11.4	12.2	12.8	13.4	13.4	13.0	14
15	12.4	11.9	11.4	10.7	10.6 -	10.8	11.4	12.2	12.8	13.4	13.4	13.0	15
16	12.4	11.9	11.4	10.7	10.6 -	10.8	11.4	12.2	12.9	13.4	13.4	13.0	16
17	12.4	11.9	11.3	10.7	10.6 -	10.8	11.5	12.2	12.9	13.4	13.4	12.9	17
18	12.3	11.8	11.3	10.7	10.7 +	10.9	11.5	12.3	12.9	13.4	13.4	12.9	18
19	12.3	11.8	11.3	10.7	10.7 +	10.9	11.5	12.3	12.9	13.4	13.4	12.9	19
20	12.3	11.8	11.3	10.7	10.7 +	10.9	11.6	12.3	12.9	13.4	13.4	12.9	20
21	12.3	11.8	11.3	10.6 -	10.7 +	10.9	11.6	12.3	12.9	13.5 +	13.4	12.9	21
22	12.3	11.8	11.3	10.6 -	10.7 +	11.0	11.6	12.3	13.0	13.5 +	13.3	12.9	22
23	12.3	11.8	11.2	10.6 -	10.7 +	11.0	11.6	12.4	13.0	13.5 +	13.3	12.9	23
24	12.3	11.8	11.2	10.6 -	10.7 +	11.0	11.7	12.4	13.0	13.5 +	13.3	12.8	24
25	12.2	11.7 -	11.2	10.6 -	10.7 +	11.0	11.7	12.4	13.0	13.5 +	13.3	12.8	25
26	12.2	11.7 -	11.2	10.6 -	10.7 +	11.0	11.7	12.4	13.0	13.5 +	13.2 -	12.8	26
27	12.2	11.7 -	11.1 -	10.6 -	10.7 +	11.0	11.7	12.4	13.1 +	13.5 +	13.2 -	12.8	27
28	12.2	11.7 -	11.1 -	10.6 -	10.7 +	11.1 +	11.8 +	12.4	13.1 +	13.5 +	13.2 -	12.8	28
29	12.2	11.7 -	11.1 -	10.6 -	10.7 +	11.1 +	11.8 +	12.5 +	13.1 +	13.5 +	13.2 -	12.8	29
30	12.1 -	11.1 -	11.1 -	10.6 -	10.7 +	11.1 +	11.8 +	12.5 +	13.1 +	13.5 +	13.2 -	12.7 -	30
31	12.1 -	11.1 -	11.1 -	10.7 +	10.7 +	11.1 +	11.8 +	12.5 +	13.5 +	13.5 +	13.2 -	12.7 -	31
Monatsmittel	12.4	11.9	11.4	10.8	10.6 -	10.9	11.5	12.2	12.8	13.4 +	13.4 +	13.0	
Maximum	12.9	12.1	11.7	11.1	10.7 -	11.1	11.8	12.5	13.2	13.5 +	13.5 +	13.2	
Datum	01.01	01.02	01.03	01.04	10.05	27.06	28.07	28.08	30.09	17.10	01.11	01.12	
Minimum	12.1	11.7	11.0	10.6 -	10.6 -	10.7	11.1	11.8	12.5	13.1	13.2 +	12.6	
Datum	28.01	22.02	31.03	18.04	01.05	01.06	01.07	01.08	01.09	01.10	24.11	31.12	
Amplitude	0.8	0.4	0.7	0.5	0.1	0.4	0.7	0.7	0.7	0.4	0.3	0.6	
Jahr 2012	Mittel	12.0 °C		Maximum	13.5 (17.Okt)		Minimum	10.6 (18.Apr)		Amplitude	2.9 °C		



Periode	2001 - 2012												
Monatsmittel	12.1	11.5	11.0	10.5 -	10.5 -	10.8	11.5	12.2	12.9	13.3 +	13.3 +	12.9	
Maximum	12.9	12.3	11.9	11.4 -	11.5	11.7	12.5	13.1	13.5	13.8 +	13.8 +	13.6	
Jahr	2012	2007	2007	2007	2006	2007	2011	2011	2008	2011	2011	2011	
Minimum	11.2	10.6	10.0	9.8 -	9.8 -	9.9	10.5	11.3	12.1	12.6	12.8 +	12.0	
Jahr	2008	2008	2009	2009	2008	2008	2008	2006	2006	2006	2006	2007	
Amplitude	1.1	0.7	0.7	0.6	0.5	0.9	1.2 +	1.2 +	0.7	0.4 -	0.5	0.9	
Jahr	2009	2008	2010	2010	2011	2011	2008	2008	2008	2009	2008	2007	
Periode	Mittel	11.9 °C		Maximum	13.8 (18.Okt 2011)		Minimum	9.8 (04.Mai 2008)		Amplitude	4.0 °C		

Darstellung der letzten 12 Jahre

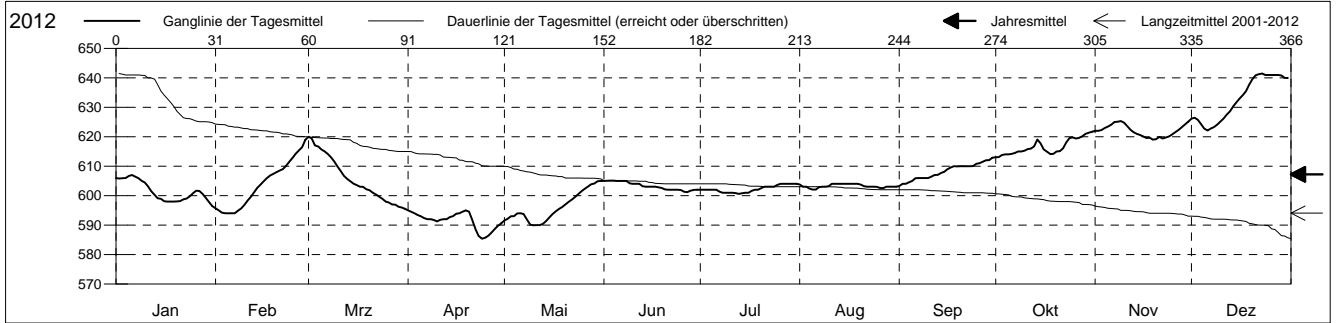


**Leitfähigkeit**

Birstal  
 Münchenstein 20.J.116 Platanenweg  
 Abstichpunkt: 271.57 m ü.M.  
 OK Terrain: 271.78 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	606	596	620 +	595 +	592	605 +	602	604 +	603 -	613 -	622	626	1
2	606	595	619	595 +	592	605 +	602	603	604	613 -	622	626	2
3	606	594 -	617	594	593	605 +	602	603	604	614	622	626	3
4	606	594 -	617	593	593	605 +	602	602 -	605	614	623	624	4
5	607 +	594 -	616	593	594	605 +	602	602 -	605	614	623	623	5
Tagesmittel													
6	607 +	594 -	615	592	594	605 +	602	602 -	606	614	624	622 -	6
7	606	594 -	614	592	594	605 +	601 -	603	606	615	625 +	623	7
8	606	595	613	592	592	605 +	601 -	603	606	615	625 +	623	8
9	605	596	612	592	590 -	604	601 -	603	606	615	625 +	624	9
10	604	597	610	591	590 -	604	601 -	603	606	615	625 +	625	10
11	603	598	608	592	590 -	604	601 -	604 +	606	616	624	626	11
12	602	600	607	592	590 -	604	601 -	604 +	607	616	622	628	12
13	600	601	606	592	590 -	603	601 -	604 +	607	617	622	629	13
14	599	603	605	593	591	603	601 -	604 +	608	619	621	630	14
15	599	604	604	593	593	603	601 -	604 +	608	618	621	632	15
Max. +													
16	598	605	604	594	594	603	601 -	604 +	609	616	620	633	16
17	598	606	603	594	595	603	602	604 +	610	615	620	634	17
18	598	607	603	595 +	596	603	602	604 +	610	614	620	636	18
19	598	607	602	595 +	596	603	602	604 +	610	614	619 -	638	19
20	598	608	602	595 +	597	602	603	604 +	610	615	619 -	640	20
Min. -													
21	598	609	601	592	598	602	603	603	610	615	620	641	21
22	599	609	600	589	599	602	603	603	610	616	619 -	641	22
23	599	610	600	586	600	602	603	603	610	618	620	642 +	23
24	600	612	599	585 -	601	602	603	603	610	620	620	641	24
25	601	613	598	586	601	602	604 +	603	611	620	621	641	25
26	602	614	598	586	602	601 -	604 +	603	611	619	622	641	26
27	602	615	597	588	603	601 -	604 +	603	612	620	622	641	27
28	601	616	597	589	604	602	604 +	603	612	620	623	641	28
29	599	619 +	596 -	590	604	602	604 +	603	612	621	624	641	29
30	598		596 -	591	605 +	602	604 +	603	613 +	621	625 +	640	30
31	596 -		596 -		605 +		604 +	603		622 +		640	31
Monatsmittel	601	604	606	591 -	596	603	602	603	608	617	622	633 +	
Maximum	607	620	620	595 -	605	606	604	604	613	622	626	642 +	
Datum	05.01	29.02	01.03	01.04	29.05	02.06	25.07	01.08	29.09	30.10	08.11	22.12	
Minimum	596	594	595	585 -	589	601	600	602	603	613	619	622 +	
Datum	31.01	03.02	31.03	24.04	10.05	25.06	12.07	04.08	01.09	01.10	16.11	05.12	
Amplitude	11	26	25	10	16	5	4	2	10	9	7	20	
Jahr 2012	Mittel	607		Maximum	642 (22.Dez)		Minimum	585 (24.Apr)			Amplitude	57	



Periode	2001 - 2012												
Monatsmittel	602	606 +	598	587 -	590	592	591	589	589	592	596	600	
Maximum	625	627	626	624	624	620	613 -	614	620	626	627	642 +	
Jahr	2007	2007	2007	2007	2006	2006	2006	2007	2006	2006	2006	2012	
Minimum	574 +	574 +	563	555	556	555	550	549 -	551	558	558	567	
Jahr	2008	2008	2011	2008	2008	2008	2008	2008	2008	2008	2008	2008	
Amplitude	14	26	35 +	27	16	9 -	11	26	33	11	11	20	
Jahr	2009	2012	2011	2009	2012	2009	2007	2007	2007	2006	2008	2012	
Periode	Mittel	594		Maximum	642 (22.Dez 2012)		Minimum	549 (18.Aug 2008)			Amplitude	93	

Darstellung der letzten 12 Jahre

