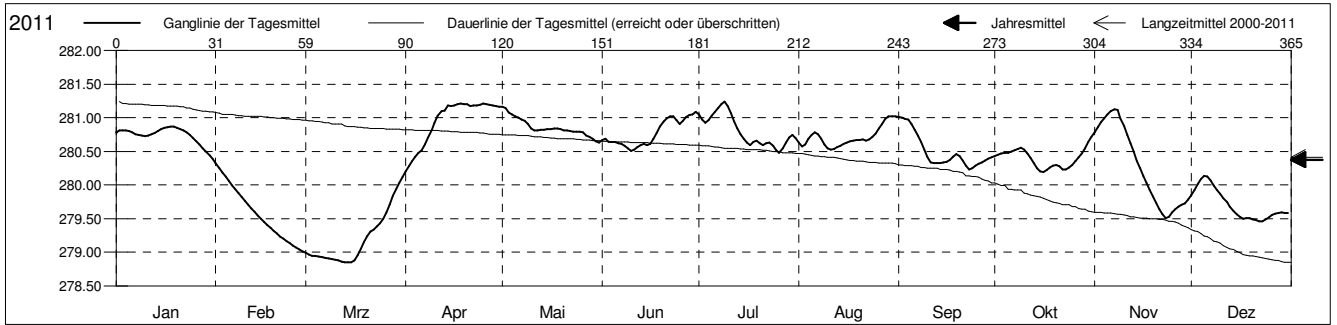


Grundwasserstände

Birstal
 Aesch 11.J.19 Fiechten
 Abstichpunkt: 306.83 m ü.M.
 OK Terrain: 307.08 m ü.M.

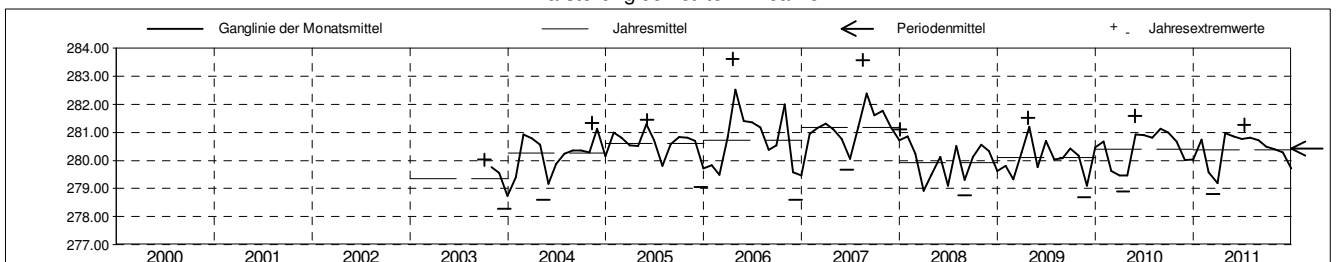
Amt für Umweltschutz und Energie
Kanton Basel-Landschaft
 Koordinaten: 612084.13 / 259129.88

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	280.78	280.32 +	278.99	280.20 -	281.16 +	280.67	281.05	280.63	281.01 +	280.43	280.79	279.85	1
2	280.81	280.25	278.97	280.28	281.14	280.69	280.97	280.57	281.00	280.45	280.86	279.93	2
3	280.81	280.19	278.95	280.35	281.08	280.64	280.92	280.61	280.99	280.47	280.93	280.01	3
4	280.81	280.12	278.94	280.42	281.05	280.64	280.97	280.69	280.97	280.48	280.99	280.09	4
5	280.80	280.06	278.94	280.48	281.02	280.64	281.03	280.75	280.90	280.48	281.05	280.14 +	5
Tagesmittel													
6	280.78	280.00	278.93	280.52	281.00	280.62	281.09	280.78	280.82	280.50	281.10	280.12	6
7	280.76	279.94	278.92	280.60	280.97	280.61	281.14	280.76	280.74	280.51	281.12 +	280.07	7
8	280.75	279.88	278.91	280.71	280.96	280.58	281.20	280.69	280.64	280.53	281.11	279.99	8
9	280.74	279.82	278.90	280.83	280.91	280.55	281.24 +	280.60	280.52	280.55	280.99	279.93	9
10	280.73	279.76	278.89	280.93	280.84	280.51 -	281.17	280.54	280.42	280.53	280.87	279.87	10
11	280.74	279.71	278.88	281.03	280.81	280.52	281.07	280.52 -	280.34	280.47	280.75	279.81	11
12	280.75	279.65	278.86	281.10	280.81	280.56	280.95	280.53	280.33	280.40	280.62	279.74	12
13	280.78	279.60	278.85 -	281.11	280.82	280.59	280.84	280.56	280.33	280.33	280.50	279.68	13
14	280.80	279.55	278.85 -	281.18	280.82	280.61	280.75	280.59	280.33	280.25	280.35	279.62	14
15	280.83	279.50	278.85 -	281.17	280.83	280.60	280.69	280.61	280.34	280.20 -	280.25	279.57	15
Max. +													
16	280.85	279.45	278.88	281.19	280.83	280.62	280.63	280.63	280.34	280.20 -	280.14	279.53	16
17	280.86	279.41	278.95	281.20	280.84	280.69	280.60	280.65	280.37	280.22	280.03	279.50	17
18	280.87 +	279.36	279.05	281.21 +	280.84	280.78	280.64	280.66	280.43	280.26	279.93	279.51	18
19	280.86	279.32	279.16	281.20	280.83	280.87	280.66	280.67	280.46	280.29	279.83	279.50	19
20	280.85	279.28	279.25	281.20	280.81	280.94	280.62	280.67	280.44	280.30	279.73	279.49	20
Min. -													
21	280.84	279.24	279.31	281.18	280.81	280.99	280.59	280.67	280.37	280.28	279.65	279.48	21
22	280.81	279.20	279.34	281.18	280.80	281.02	280.63	280.66	280.29	280.24	279.57	279.46 -	22
23	280.79	279.17	279.39	281.19	280.79	281.03	280.63	280.68	280.23 -	280.23	279.51 -	279.46 -	23
24	280.75	279.13	279.44	281.19	280.79	280.97	280.59	280.72	280.25	280.26	279.53	279.49	24
25	280.70	279.10	279.50	281.21 +	280.80	280.91	280.53	280.77	280.29	280.30	279.59	279.52	25
26	280.65	279.07	279.60	281.20	280.78	280.95	280.48 -	280.84	280.32	280.35	279.64	279.55	26
27	280.60	279.05	279.71	281.19	280.74	281.01	280.54	280.91	280.34	280.41	279.68	279.58	27
28	280.55	279.02 -	279.84	281.19	280.71	281.04	280.63	280.99	280.37	280.47	279.71	279.59	28
29	280.50		279.94	281.17	280.69	281.05	280.71	281.02 +	280.39	280.55	279.73	279.59	29
30	280.44		280.03	281.17	280.66	281.08 +	280.74	281.02 +	280.41	280.64	279.78	279.59	30
31	280.39 -		280.12 +		280.63 -		280.70	281.02 +		280.72 +		279.59	31
Monatsmittel	280.74	279.58	279.20 -	280.96 +	280.86	280.77	280.81	280.71	280.50	280.40	280.28	279.71	
Maximum	280.90	280.34	280.18 -	281.25	281.20	281.12	281.27 +	281.06	281.05	280.77	281.16	280.18 -	
Datum	18.01	01.02	31.03	18.04	01.05	30.06	09.07	29.08	01.09	31.10	07.11	05.12	
Amplitude	0.55	1.35	1.37	1.12	0.62	0.66	0.83	0.58	0.86	0.62	1.68	0.76	
Jahr 2011	Mittel	280.38 m ü.M.		Maximum	281.27 (09.Jul)		Minimum	278.81 (15.Mrz)		Amplitude	2.46 m		



Periode	2000 - 2011												
Monatsmittel	280.41	280.14	280.17	280.73 +	280.54	280.44	280.57	280.62	280.67	280.72	280.21	279.85 -	
Maximum	281.37	281.36	282.11	283.62 +	282.55	281.69	281.43	283.58	281.83	282.77	281.53	281.13 -	
Jahr	2005	2007	2006	2006	2006	2006	2007	2007	2007	2007	2006	2007	2009
Minimum	278.86	278.99	278.78	278.85	278.59	278.78	279.14	278.75	278.77	279.49 +	278.68	278.29 -	
Jahr	2004	2011	2008	2008	2004	2008	2005	2008	2008	2003	2009	2003	
Amplitude	1.92	1.73	3.01 +	2.38	1.76	1.42 -	1.63	2.29	2.11	2.06	1.89	2.24	
Jahr	2004	2008	2006	2006	2006	2005	2008	2007	2008	2006	2006	2006	
Periode	Mittel	280.42 m ü.M.		Maximum	283.62 (18.Apr 2006)		Minimum	278.29 (19.Dez 2003)		Amplitude	5.34 m		

Darstellung der letzten 12 Jahre

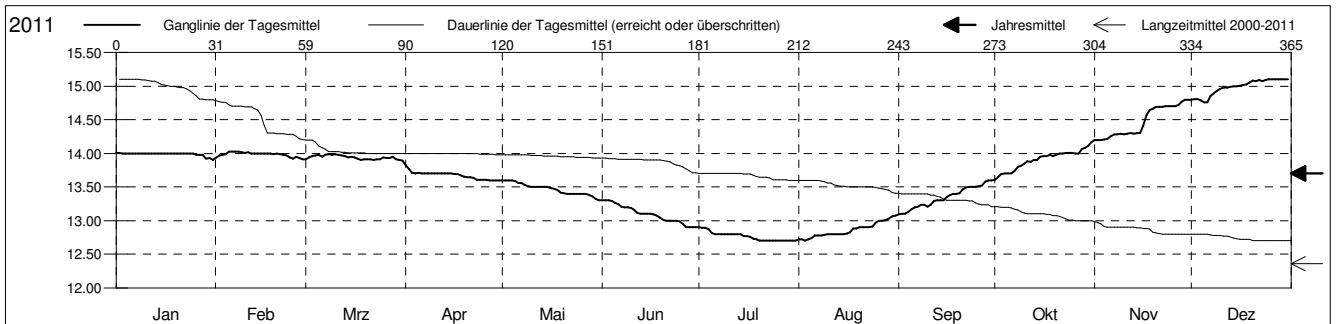


Grundwassertemperatur

Birstal
 Aesch 11.J.19 Fiechten
 Abstichpunkt: 306.83 m ü.M.
 OK Terrain: 307.08 m ü.M.

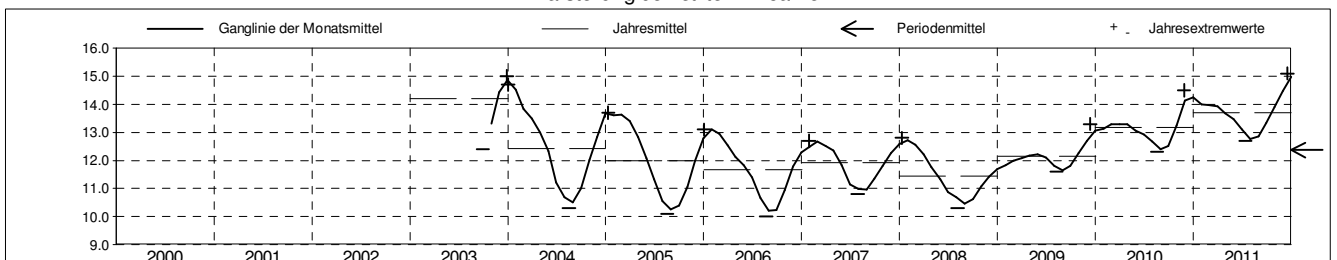
Amt für Umweltschutz und Energie
Kanton Basel-Landschaft
 Koordinaten: 612084.13 / 259129.88

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	14.0 +	13.9 -	13.9 -	13.8 +	13.6 +	13.3 +	12.9 +	12.7 -	13.1 -	13.6 -	14.2 -	14.8 -	1
2	14.0 +	14.0 +	13.9 -	13.8 +	13.6 +	13.3 +	12.9 +	12.7 -	13.1 -	13.6 -	14.2 -	14.8 -	2
3	14.0 +	14.0 +	14.0 +	13.7	13.6 +	13.3 +	12.9 +	12.7 -	13.1 -	13.7	14.2 -	14.8 -	3
4	14.0 +	14.0 +	14.0 +	13.7	13.6 +	13.3 +	12.9 +	12.7 -	13.1 -	13.7	14.2 -	14.8 -	4
5	14.0 +	14.0 +	14.0 +	13.7	13.6 +	13.3 +	12.8	12.7 -	13.2	13.7	14.2 -	14.8 -	5
6	14.0 +	14.0 +	13.9 -	13.7	13.6 +	13.2	12.8	12.8	13.2	13.7	14.3	14.8 -	6
7	14.0 +	14.0 +	14.0 +	13.7	13.6 +	13.2	12.8	12.8	13.2	13.7	14.3	14.8 -	7
8	14.0 +	14.0 +	14.0 +	13.7	13.5	13.2	12.8	12.8	13.2	13.8	14.3	14.9	8
9	14.0 +	14.0 +	14.0 +	13.7	13.5	13.2	12.8	12.8	13.2	13.8	14.3	14.9	9
10	14.0 +	14.0 +	14.0 +	13.7	13.5	13.2	12.8	12.8	13.2	13.8	14.3	15.0	10
11	14.0 +	14.0 +	14.0 +	13.7	13.5	13.2	12.8	12.8	13.2	13.9	14.3	15.0	11
12	14.0 +	14.0 +	14.0 +	13.7	13.5	13.1	12.8	12.8	13.3	13.9	14.3	15.0	12
13	14.0 +	14.0 +	14.0 +	13.7	13.5	13.1	12.8	12.8	13.3	13.9	14.3	15.0	13
14	14.0 +	14.0 +	13.9 -	13.7	13.5	13.1	12.8	12.8	13.3	13.9	14.3	15.0	14
15	14.0 +	14.0 +	14.0 +	13.7	13.5	13.1	12.8	12.8	13.3	14.0	14.3	15.0	15
Max. +													
16	14.0 +	14.0 +	13.9 -	13.7	13.5	13.1	12.8	12.8	13.4	14.0	14.4	15.0	16
17	14.0 +	14.0 +	13.9 -	13.7	13.5	13.1	12.8	12.8	13.4	14.0	14.6	15.0	17
18	14.0 +	14.0 +	13.9 -	13.7	13.5	13.1	12.7 -	12.9	13.4	14.0	14.6	15.0	18
19	14.0 +	14.0 +	13.9 -	13.7	13.4	13.1	12.7 -	12.9	13.4	14.0	14.7	15.1 +	19
20	14.0 +	14.0 +	13.9 -	13.6 -	13.4	13.0	12.7 -	12.9	13.4	14.0	14.7	15.1 +	20
Min. -													
21	14.0 +	14.0 +	13.9 -	13.6 -	13.4	13.0	12.7 -	12.9	13.5	14.0	14.7	15.1 +	21
22	14.0 +	14.0 +	13.9 -	13.6 -	13.4	13.0	12.7 -	12.9	13.5	14.0	14.7	15.1 +	22
23	14.0 +	14.0 +	13.9 -	13.6 -	13.4	13.0	12.7 -	12.9	13.5	14.0	14.7	15.1 +	23
24	14.0 +	13.9 -	13.9 -	13.6 -	13.4	13.0	12.7 -	12.9	13.5	14.0	14.7	15.1 +	24
25	14.0 +	13.9 -	13.9 -	13.6 -	13.4	13.0	12.7 -	13.0	13.5	14.0	14.7	15.1 +	25
26	14.0 +	13.9 -	13.9 -	13.6 -	13.4	12.9 -	12.7 -	13.0	13.5	14.0	14.7	15.1 +	26
27	14.0 +	13.9 -	13.9 -	13.6 -	13.4	12.9 -	12.7 -	13.0	13.5	14.0	14.7	15.1 +	27
28	14.0 +	13.9 -	13.9 -	13.6 -	13.4	12.9 -	12.7 -	13.0	13.6 +	14.1	14.8 +	15.1 +	28
29	13.9 -		13.9 -	13.6 -	13.4	12.9 -	12.7 -	13.0	13.6 +	14.1	14.8 +	15.1 +	29
30	13.9 -		13.9 -	13.6 -	13.3 -	12.9 -	12.7 -	13.1 +	13.6 +	14.1	14.8 +	15.1 +	30
31	13.9 -		13.9 -		13.3 -		12.7 -	13.1 +		14.2 +		15.1 +	31
Monatsmittel	14.0	14.0	13.9	13.7	13.5	13.1	12.8 -	12.9	13.3	13.9	14.5	15.0 +	
Maximum	14.1	14.1	14.0	13.9	13.6	13.3	12.9 -	13.1	13.6	14.2	14.8	15.1 +	
Datum	01.01	05.02	01.03	01.04	01.05	01.06	01.07	28.08	24.09	30.10	27.11	16.12	
Minimum	13.9	13.9	13.8	13.6	13.3	12.9	12.7 -	12.7 -	13.0	13.6	14.2	14.7 +	
Datum	24.01	01.02	31.03	16.04	27.05	25.06	14.07	01.08	01.09	01.10	01.11	04.12	
Amplitude	0.2	0.2	0.2	0.3	0.3	0.4	0.2	0.4	0.6	0.6	0.6	0.4	
Jahr 2011	Mittel	13.7 °C		Maximum	15.1 (16.Dez)		Minimum	12.7 (14.Jul)		Amplitude	2.4 °C		



Periode	2000 - 2011												
Monatsmittel	13.2	13.1	12.9	12.7	12.3	11.8	11.4	11.2 -	11.4	12.2	12.9	13.4 +	
Maximum	14.7	14.1	14.0	13.9	13.6	13.3	12.9 -	13.1	13.6	14.2	14.8	15.1 +	
Jahr	2004	2011	2011	2011	2011	2011	2010	2011	2011	2011	2011	2011	
Minimum	11.7	11.9 +	11.9 +	11.4	10.9	10.6	10.3	10.0 -	10.0 -	10.5	11.3	11.6	
Jahr	2009	2009	2008	2008	2008	2008	2005	2006	2006	2006	2008	2008	
Amplitude	0.8	0.3 -	0.5	0.7	1.0	0.9	0.6	0.4	0.9	1.5 +	0.9	0.8	
Jahr	2004	2006	2008	2005	2004	2005	2004	2011	2004	2003	2010	2005	
Periode	Mittel	12.4 °C		Maximum	15.1 (16.Dez 2011)		Minimum	10.0 (21.Aug 2006)		Amplitude	5.1 °C		

Darstellung der letzten 12 Jahre

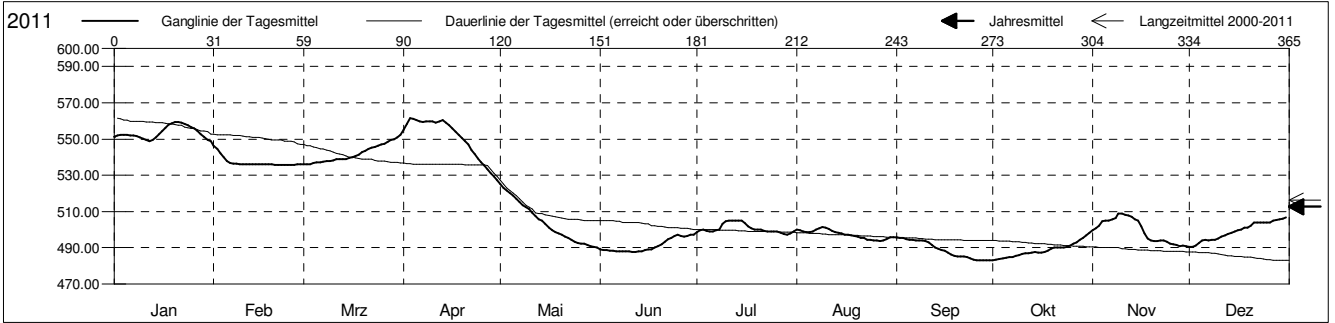


Leitfähigkeit

Birstal
 Aesch 11.J.19 Fiechten
 Abstichpunkt: 306.83 m ü.M.
 OK Terrain: 307.08 m ü.M.

Amt für Umweltschutz und Energie
Kanton Basel-Landschaft
 Koordinaten: 612084.13 / 259129.88

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	551	547 +	536 -	555	525 +	489	499	500	496 +	483 -	500	491 -	1
2	552	544	536 -	558	523	489	500	500	496 +	484	501	491 -	2
3	552	542	536 -	561 +	522	489	500	499	495	484	502	491 -	3
4	553	540	537	561 +	520	488 -	499	499	495	484	505	493	4
5	552	538	537	560	519	488 -	499	499	495	484	505	494	5
6	552	537	537	560	517	488 -	499	499	494	485	505	494	6
7	552	537	537	559	515	488 -	500	500	494	485	506	494	7
8	552	536 -	538	560	513	488 -	500	501 +	494	486	506	494	8
9	551	536 -	538	560	512	488 -	503	501 +	494	486	509 +	495	9
10	550	536 -	538	560	511	488 -	505 +	501 +	494	487	509 +	495	10
11	550	536 -	539	559	509	488 -	505 +	500	493	487	508	496	11
12	549 -	536 -	539	560	507	488 -	505 +	499	492	487	508	497	12
13	549 -	536 -	539	561 +	506	488 -	505 +	499	490	487	507	498	13
14	551	536 -	539	559	505	488 -	505 +	498	490	488	506	498	14
15	553	536 -	540	558	503	489	505 +	498	489	487	505	499	15
Max. +													
16	555	536 -	540	556	501	489	503	497	488	487	502	500	16
17	556	536 -	541	554	500	489	502	497	487	488	498	500	17
18	558	536 -	541	552	499	490	501	497	486	488	495	501	18
19	559 +	536 -	543	551	498	491	500	496	485	489	494	501	19
20	559 +	536 -	544	549	497	492	500	496	485	490	494	502	20
Min. -													
21	559 +	536 -	545	547	496	493	500	496	485	490	494	504	21
22	559 +	536 -	545	544	495	495	499	495	485	490	494	504	22
23	558	536 -	546	542	494	496	499	495	485	490	494	504	23
24	558	536 -	546	539	493	497 +	499	494 -	484	490	493	504	24
25	557	536 -	547	537	493	497 +	499	494 -	484	491	492	504	25
26	556	536 -	548	535	492	496	499	494 -	483 -	492	492	504	26
27	554	536 -	548	533	492	496	498	494 -	483 -	493	492	505	27
28	553	536 -	549	531	491	497 +	498	494 -	483 -	495	491 -	505	28
29	551		550	529	491	497 +	497 -	495	483 -	496	491 -	506	29
30	549 -		551 +	527 -	490 -	497 +	498	496	483 -	497	491 -	506	30
31	549 -		553 +		490 -		499	496		498 +		507 +	31
Monatsmittel	554 +	537	542	551	504	491	501	497	489 -	489 -	500	499	
Maximum	561	549	559	564 +	528	499	505	502	497 -	499	510	507	
Datum	20.01	01.02	31.03	02.04	01.05	25.06	09.07	09.08	01.09	31.10	09.11	30.12	
Minimum	547 +	535	536	525	489	487	497	493	483 -	483 -	490	490	
Datum	30.01	20.02	01.03	30.04	31.05	07.06	27.07	26.08	24.09	01.10	30.11	01.12	
Amplitude	14	14	23	39	39	12	8	9	14	16	20	17	
Jahr 2011	Mittel	513 µs/cm		Maximum	564 (02.Apr)		Minimum	483 (24.Sep)		Amplitude	81 µs/cm		



Periode	2000 - 2011												
Monatsmittel	530	526	534	538 +	524	511	506	502 -	505	503	506	511	
Maximum	585	568	617 +	596	600	573	547	552	544 -	563	550	559	
Jahr	2010	2004	2006 +	2006	2006	2006	2008	2007	2006	2006	2006	2009	
Minimum	499 +	490	490	486	472	469 -	472	482	481	480	481	484	
Jahr	2008	2008	2008	2004	2004	2004	2004	2004	2004	2004	2010	2010	
Amplitude	65	28 -	103 +	50	60	46	40	67	46	45	48	67	
Jahr	2004	2004	2006	2006	2009	2005	2006	2007	2006	2006	2008	2010	
Periode	Mittel	516 µs/cm		Maximum	617 (16.Mrz 2006)		Minimum	469 (22.Jun 2004)		Amplitude	148 µs/cm		

Darstellung der letzten 12 Jahre

