

Grundwasserstände



Birstal

Münchenstein 20.J.90 Grün80

Abstichpunkt: 261.97 m ü.M.

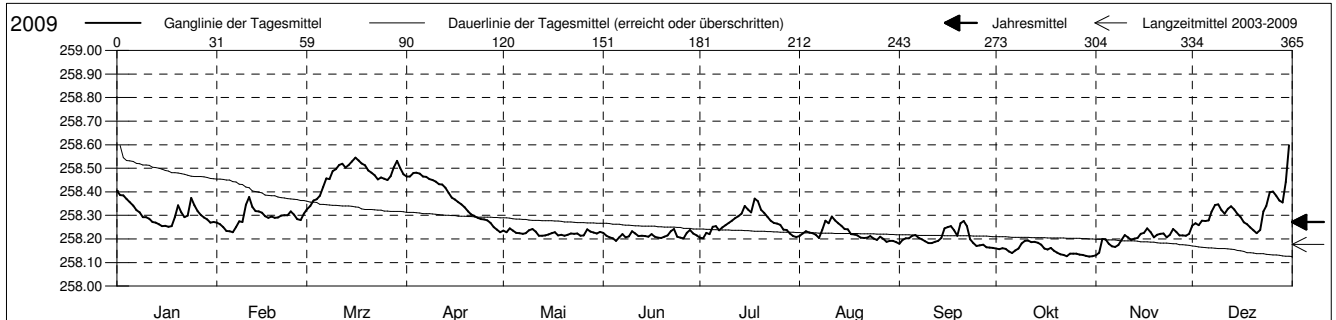
OK Terrain: 262.14 m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

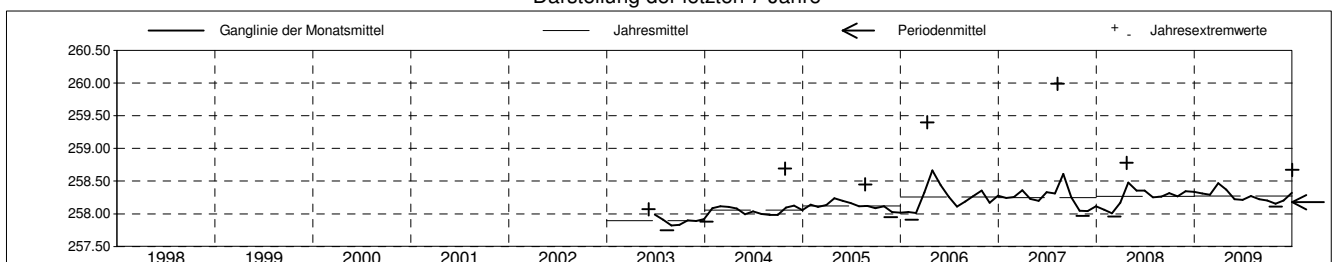
Koordinaten: 613667.50 / 264464.31

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	258.40 +	258.27	258.32 -	258.47	258.24 +	258.23	258.21	258.21	258.18	258.16	258.13 -	258.26	1
2	258.39	258.26	258.34	258.47	258.23	258.21	258.20 -	258.22	258.20	258.16	258.14	258.27	2
3	258.38	258.25	258.36	258.48 +	258.24 +	258.21	258.23	258.23	258.20	258.16	258.20	258.26	3
4	258.37	258.23 -	258.37	258.48 +	258.24 +	258.20	258.22	258.23	258.20	258.16	258.20	258.28	4
5	258.36	258.23 -	258.38	258.48 +	258.23	258.19 -	258.25	258.22	258.21	258.15	258.18	258.28	5
Tagesmittel													
6	258.34	258.23 -	258.42	258.46	258.22	258.21	258.25	258.22	258.22	258.14	258.17	258.28	6
7	258.32	258.25	258.46	258.46	258.22	258.22	258.24	258.20	258.20	258.15	258.17	258.32	7
8	258.31	258.27	258.45	258.45	258.22	258.21	258.25	258.24	258.20	258.16	258.17	258.34	8
9	258.29	258.27	258.49	258.45	258.24 +	258.21	258.26	258.28	258.19	258.18	258.20	258.35	9
10	258.29	258.34	258.50	258.44	258.24 +	258.23	258.27	258.27	258.18	258.19 +	258.22	258.32	10
11	258.29	258.38 +	258.51	258.43	258.23	258.22	258.28	258.29 +	258.18	258.19 +	258.21	258.31	11
12	258.27	258.34	258.52	258.43	258.21 -	258.21	258.29	258.28	258.19	258.19 +	258.20	258.33	12
13	258.27	258.32	258.50	258.42	258.21 -	258.21	258.30	258.27	258.19	258.19 +	258.20	258.34	13
14	258.26	258.32	258.51	258.40	258.21 -	258.21	258.31	258.26	258.20	258.18	258.20	258.33	14
Max. +	258.25 -	258.31	258.53	258.37	258.22	258.21	258.34	258.24	258.24	258.17	258.22	258.31	15
16	258.26	258.30	258.54 +	258.37	258.22	258.22	258.32	258.24	258.25	258.16	258.23	258.29	16
17	258.25 -	258.29	258.53	258.36	258.23	258.21	258.31	258.22	258.25	258.16	258.24 +	258.27	17
18	258.25 -	258.29	258.52	258.35	258.21 -	258.21	258.37 +	258.22	258.24	258.16	258.23	258.26	18
19	258.29	258.29	258.51	258.33	258.22	258.20	258.36	258.22	258.21	258.15	258.21	258.25	19
Min. -	258.34	258.29	258.49	258.32	258.21 -	258.21	258.32	258.21	258.27	258.14	258.22	258.24	20
21	258.31	258.30	258.48	258.30	258.22	258.21	258.31	258.20	258.28 +	258.14	258.22	258.22 -	21
22	258.29	258.30	258.47	258.30	258.22	258.23	258.29	258.20	258.25	258.13	258.22	258.24	22
23	258.30	258.30	258.45	258.29	258.22	258.24 +	258.28	258.21	258.20	258.13	258.21	258.32	23
24	258.37	258.32	258.46	258.28	258.22	258.21	258.27	258.20	258.18	258.14	258.22	258.34	24
25	258.34	258.30	258.46	258.28	258.21 -	258.20	258.27	258.20	258.17	258.14	258.24 +	258.40	25
26	258.32	258.28	258.45	258.28	258.21 -	258.20	258.26	258.21	258.17	258.14	258.23	258.40	26
27	258.30	258.28	258.47	258.27	258.24 +	258.23	258.24	258.20	258.18	258.13	258.22	258.38	27
28	258.29	258.31	258.50	258.25	258.23	258.24 +	258.24	258.19 -	258.16 -	258.13	258.22	258.36	28
29	258.28		258.53	258.24	258.23	258.22	258.22	258.19 -	258.16 -	258.13	258.21	258.36	29
30	258.27		258.50	258.23 -	258.22	258.22	258.21	258.19 -	258.16 -	258.12 -	258.22	258.44	30
31	258.27		258.47		258.23		258.21	258.19 -		258.13		258.60 +	31
Monatsmittel	258.31	258.29	258.47 +	258.37	258.22	258.21	258.27	258.22	258.20	258.15 -	258.20	258.32	
Maximum	258.43	258.40	258.57	258.51	258.27	258.27	258.40	258.33	258.29	258.22 -	258.27	258.67 +	
Datum	01.01	10.02	16.03	04.04	03.05	22.06	18.07	11.08	20.09	10.10	17.11	31.12	
Amplitude	0.19	0.19	0.27	0.30	0.08	0.09	0.21	0.15	0.14	0.11	0.16	0.46	
Jahr 2009	Mittel	258.27 m ü.M.		Maximum	258.67 (31.Dez)		Minimum	258.11 (31.Okt)		Amplitude		0.56 m	



2003 - 2009													
Monatsmittel	258.14	258.13	258.26	258.34 +	258.23	258.19	258.14	258.17	258.14	258.13	258.12 -	258.15	
Maximum	258.43	258.40 -	258.79	259.40	258.60	258.59	258.40 -	259.99 +	259.02	258.71	258.52	258.67	
Jahr	2009	2009	2006	2006	2006	2007	2009	2007	2006	2006	2008	2009	
Minimum	257.88	257.91	257.96	257.98 +	257.94	257.90	257.82	257.75 -	257.77	257.78	257.83	257.85	
Jahr	2004	2006	2008	2004	2004	2003	2003	2003	2003	2003	2003	2003	
Amplitude	0.44	0.26	0.75	1.00	0.32	0.36	0.21 -	1.77 +	0.92	0.75	0.26	0.46	
Jahr	2004	2005	2006	2006	2006	2007	2009	2007	2006	2004	2004	2009	
Periode	Mittel	258.18 m ü.M.			Maximum	259.99 (09.Aug 2007)		Minimum	257.75 (14.Aug 2003)		Amplitude		2.24 m

Darstellung der letzten 7 Jahre



Grundwassertemperatur



Birstal

Münchenstein

20.J.90

Grün80

Abstichpunkt:

261.97

m ü.M.

OK Terrain:

262.14

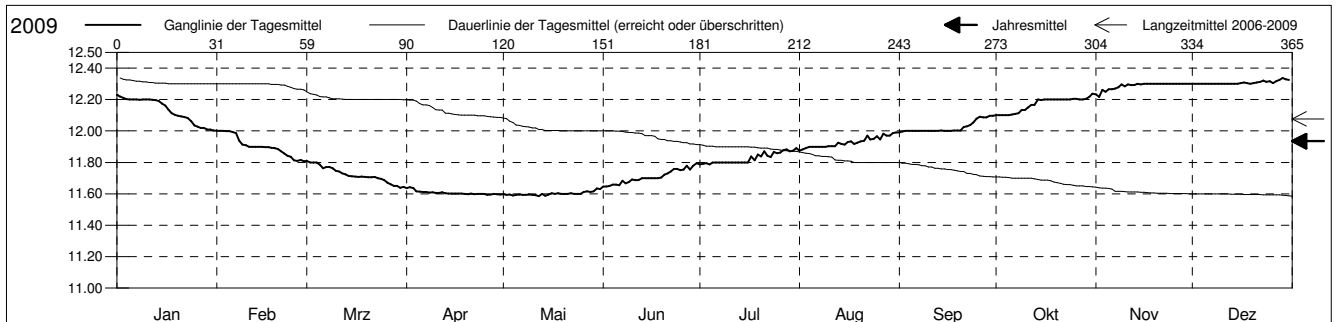
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

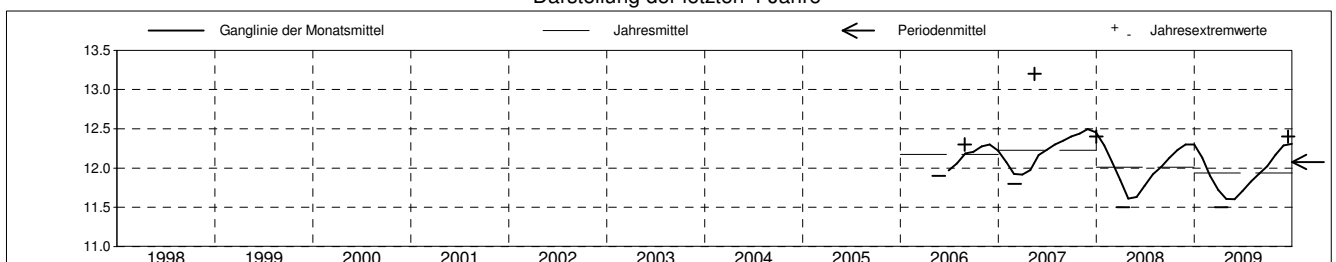
Koordinaten: 613667.50 / 264464.31

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.6 -	11.8 -	11.9 -	12.0 -	12.1 -	12.2 -	12.3 +	1
2	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.6 -	11.8 -	11.9 -	12.0 -	12.1 -	12.2 -	12.3 +	2
3	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.6 -	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	3
4	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	4
5	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	5
Tagesmittel													
6	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	6
7	12.2 +	12.0 +	11.8 +	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	7
8	12.2 +	11.9	11.8 +	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	8
9	12.2 +	11.9	11.8 +	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	9
10	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	10
11	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.1 -	12.3 +	12.3 +	11
12	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	12
13	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	13
14	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	14
15	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	15
Max. +													
16	12.2 +	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	16
17	12.1	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	17
18	12.1	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	18
19	12.1	11.9	11.7	11.6 +	11.6 +	11.7	11.9 +	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	19
20	12.1	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	20
Min. -													
21	12.1	11.9	11.7	11.6 +	11.6 +	11.7	11.9 +	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	21
22	12.1	11.9	11.7	11.6 +	11.6 +	11.7	11.8 -	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	22
23	12.1	11.8 -	11.7	11.6 +	11.6 +	11.8 +	11.8 -	11.9 -	12.0 -	12.2 +	12.3 +	12.3 +	23
24	12.1	11.8 -	11.7	11.6 +	11.6 +	11.8 +	11.9 +	11.9 -	12.1 +	12.2 +	12.3 +	12.3 +	24
25	12.0 -	11.8 -	11.7	11.6 +	11.6 +	11.8 +	11.9 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	25
26	12.0 -	11.8 -	11.7	11.6 +	11.6 +	11.8 +	11.9 +	11.9 -	12.1 +	12.2 +	12.3 +	12.3 +	26
27	12.0 -	11.8 -	11.7	11.6 +	11.6 +	11.8 +	11.9 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	27
28	12.0 -	11.8 -	11.6 -	11.6 +	11.6 +	11.8 +	11.9 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	28
29	12.0 -		11.6 -	11.6 +	11.6 +	11.8 +	11.9 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	29
30	12.0 -		11.6 -	11.6 +	11.6 +	11.8 +	11.9 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	30
31	12.0 -		11.6 -		11.6 +		11.9 +	12.0 +		12.2 +		12.3 +	31
Monatsmittel	12.1	11.9	11.7	11.6 -	11.6 -	11.7	11.8	11.9	12.0	12.2	12.3 +	12.3 +	
Maximum	12.3	12.1	11.9	11.7 -	11.7 -	11.8	11.9	12.0	12.1	12.3	12.3	12.4 +	
Datum	01.01	02.02	01.03	01.04	16.05	14.06	17.07	10.08	14.09	25.10	01.11	16.12	
Minimum	12.0	11.8	11.6	11.5 -	11.5 -	11.6	11.7	11.8	11.9	12.1	12.2	12.3 +	
Datum	20.01	16.02	16.03	11.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	01.12	
Amplitude	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	
Jahr 2009	Mittel	11.9 °C		Maximum	12.4 (16.Dez)		Minimum	11.5 (11.Apr)		Amplitude		0.9 °C	



2006 - 2009												
Monatsmittel	12.2	12.0	11.8	11.7 -	11.8	11.9	12.0	12.1	12.2	12.3 +	12.3 +	12.3 +
Maximum	12.4	12.2	12.0 -	12.1	13.2 +	12.3	12.3	12.4	12.5	12.5	12.5	12.5
Jahr	2008	2008	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007
Minimum	11.9	11.8	11.6	11.5 -	11.5 -	11.6	11.7	11.8	11.9	12.1	12.2 +	12.1
Jahr	2007	2009	2008	2008	2008	2008	2009	2009	2009	2009	2006	2006
Amplitude	0.3	0.3	0.4	0.2 -	1.2 +	0.3	0.3	0.2 -	0.2 -	0.2 -	0.2 -	0.2 -
Jahr	2007	2008	2008	2007	2007	2008	2006	2006	2009	2009	2008	2006
Periode	Mittel	12.1 °C			Maximum	13.2 (16.Mai 2007)		Minimum	11.5 (09.Apr 2008)		Amplitude	1.7 °C

Darstellung der letzten 4 Jahre



Leitfähigkeit



Birstal

Münchenstein

20.J.90

Grün80

Abstichpunkt:

261.97

m ü.M.

OK Terrain:

262.14

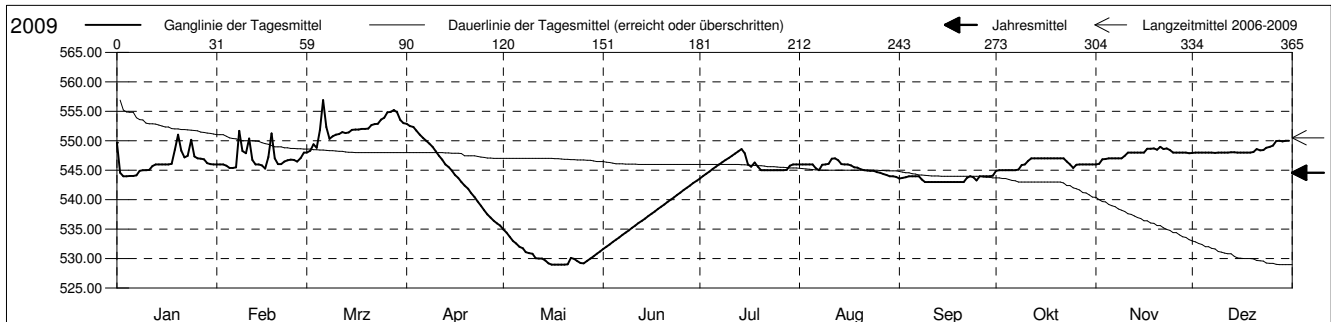
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

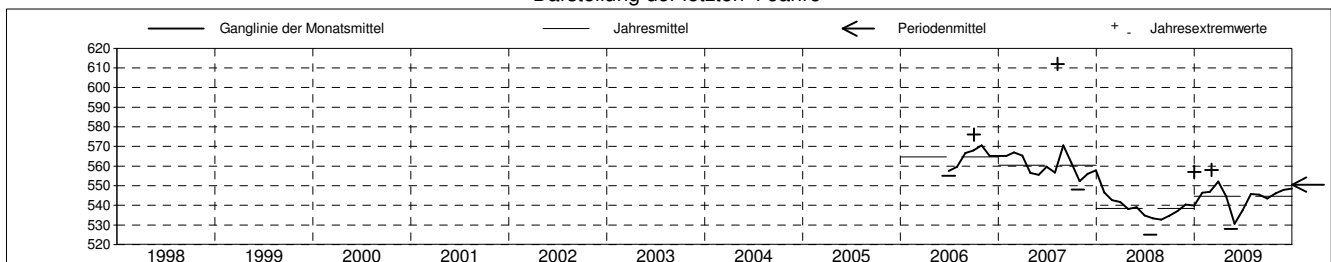
Koordinaten: 613667.50 / 264464.31

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	550	546	548 -	553 +	535 +	532 -	544 -	546	544 +	545 -	546 -	548 -	1
2	545	546	548 -	553 +	534	532 -	544 -	546	544 +	545 -	546 -	548 -	2
3	544 -	546	549	552	534	532 -	544 -	546	544 +	545 -	547	548 -	3
4	544 -	546	549	552	533	533	545	546	544 +	545 -	547	548 -	4
5	544 -	545 -	552	551	533	533	545	546	544 +	545 -	547	548 -	5
Tagesmittel	544 -	545 -	557 +	551	532	534	546	545	544 +	545 -	547	548 -	6
6	544 -	546	552	550	532	534	546	545	544 +	545 -	547	548 -	7
7	545	552 +	550	550	531	534	546	546	543 -	545 -	547	548 -	8
8	545	548	551	549	531	535	547	546	543 -	546	547	548 -	9
9	545	548	551	548	531	535	547	546	543 -	546	547	548 -	10
10	545	548	551	548	531	535	547	546	543 -	546	547	548 -	10
11	545	550	551	547	530	536	547	547 +	543 -	547 +	548	548 -	11
12	546	547	551	547	530	536	548	547 +	543 -	547 +	548	548 -	12
13	546	546	551	546	530	536	548	547 +	543 -	547 +	548	548 -	13
14	546	546	551	546	530	537	549 +	546	543 -	547 +	548	548 -	14
15	546	546	552	545	529 -	537	548	546	543 -	547 +	548	548 -	15
Max. +	546	545 -	552	544	529 -	538	546	546	543 -	547 +	548	548 -	16
16	546	547	552	544	529 -	538	546	546	543 -	547 +	549 +	548 -	17
17	546	547	552	543	529 -	538	546	546	543 -	547 +	549 +	548 -	18
18	546	551	552	542	529 -	539	546	545	543 -	547 +	549 +	548 -	19
19	548	547	552	542	529 -	539	546	545	543 -	547 +	549 +	548 -	20
20	551 +	546	552	542	529 -	539	545	545	543 -	547 +	549 +	548 -	20
Min. -	548	546	553	541	529 -	540	545	545	543 -	547 +	549 +	549	21
21	547	546	553	540	530	540	545	545	544 +	547 +	549 +	548 -	22
22	547	547	553	540	530	540	545	545	544 +	547 +	549 +	548 -	23
23	547	547	553	540	530	540	545	545	544 +	547 +	549 +	548 -	23
24	550	547	554	539	530	541	545	545	544 +	546	548	549	24
25	547	547	554	538	529 -	541	545	545	543 -	545 -	548	549	25
26	547	546	555	538	529 -	542	545	545	544 +	546	548	549	26
27	547	547	555	537	530	542	545	544 -	544 +	546	548	550 +	27
28	547	548	555	536 -	530	542	545	544 -	544 +	546	548	550 +	28
29	546		555	536 -	530	543 +	546	544 -	544 +	546	548	550 +	29
30	546		554	536 -	531	543 +	546	544 -	544 +	546	548	550 +	30
31	546		553		531		546	544 -		546		550 +	31
Monatsmittel	546	547	552 +	544	531 -	537	546	545	543	546	548	548	
Maximum	557	555	558 +	553	535 -	543	549	548	545	547	549	550	
Datum	01.01	08.02	06.03	01.04	01.05	30.06	17.07	08.08	30.09	11.10	17.11	26.12	
Minimum	544	544	547 +	534	528 -	531	543	543	543	544	546	547 +	
Datum	02.01	17.02	01.03	29.04	17.05	01.06	01.07	29.08	01.09	01.10	01.11	01.12	
Amplitude	13	11	11	19	7	12	6	5	2	3	3	3	
Jahr 2009	Mittel	545 µs/cm	Maximum	558 (06.Mrz)	Minimum	528 (17.Mai)	Amplitude	30 µs/cm					



Periode	2006 - 2009											
Monatsmittel	553	552	553	546	542 -	547	549	554 +	552	552	552	553
Maximum	567	573	568	563	566	562 -	563	612 +	575	576	569	568
Jahr	2007	2007	2007	2007	2006	2006	2006	2007	2006	2006	2006	2006
Minimum	543 +	542	539	534	528	531	525 -	532	531	536	539	538
Jahr	2008	2008	2008	2009	2009	2009	2008	2008	2008	2008	2008	2008
Amplitude	13	11	11	19	8 -	12	14	61 +	15	15	12	19
Jahr	2009	2009	2009	2009	2006	2009	2008	2007	2007	2006	2007	2008
Periode	Mittel	551 µs/cm	Maximum	612 (10.Aug 2007)	Minimum	525 (20.Jul 2008)	Amplitude	87 µs/cm				

Darstellung der letzten 4 Jahre



Grundwasserspiegel im Birstal

Station 20.J.90 Münchenstein
OPK 209434

Grün 80 / Brüglingen
Koordinaten: 613'667.5 / 264'464.3

Messung: Grundwasserspiegel
Temperatur (ab Mai 2006)
Leitfähigkeit (ab Mai 2006)

