

Grundwasserstände



Birstal

Münchenstein

20.J.90

Grün80

Abstichpunkt:

261.97

m ü.M.

OK Terrain:

262.14

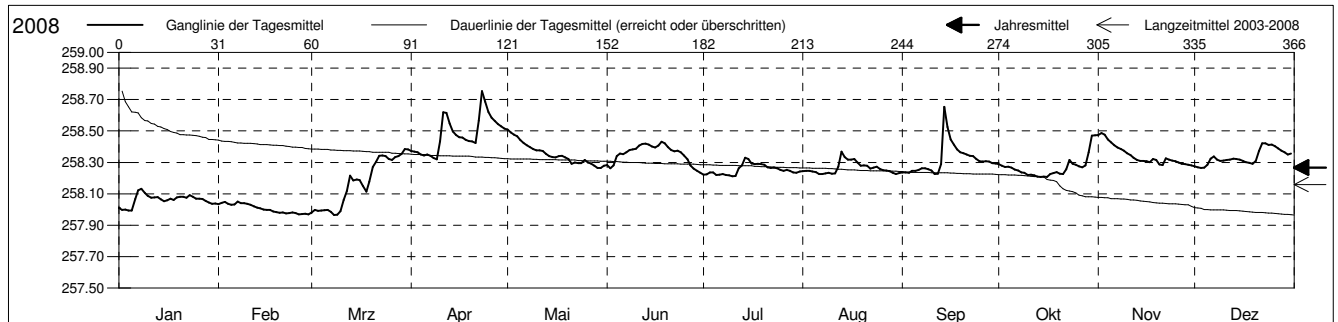
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

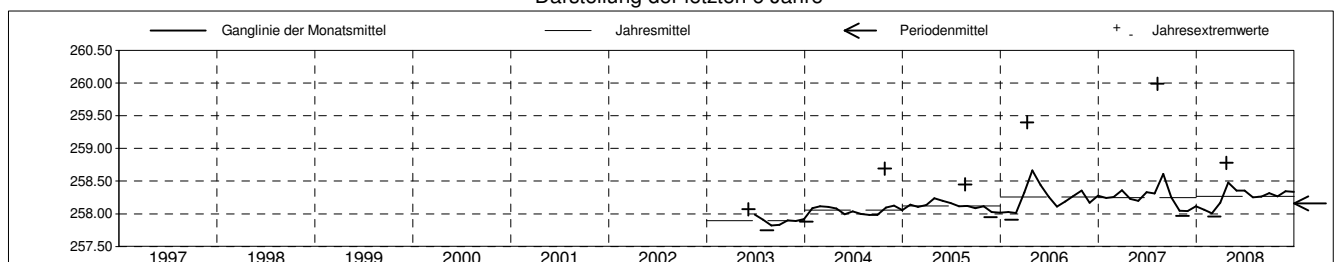
Koordinaten: 613667.50 / 264464.31

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	258.01	258.03	257.98	258.37	258.51 +	258.28	258.22	258.24	258.23 -	258.29	258.47	258.27	1
2	258.00	258.04	258.00	258.37	258.49	258.26	258.22	258.25	258.24	258.28	258.49 +	258.27	2
3	258.00	258.05 +	257.99	258.37	258.48	258.28	258.24	258.25	258.23 -	258.27	258.48	258.26 -	3
4	257.99 -	258.04	257.99	258.35	258.47	258.34	258.24	258.24	258.25	258.27	258.45	258.27	4
5	257.99 -	258.03	258.00	258.35	258.44	258.36	258.22	258.24	258.25	258.27	258.43	258.28	5
Tagesmittel													
6	258.07	258.03	258.00	258.35	258.42	258.35	258.22	258.23 -	258.25	258.25	258.41	258.32	6
7	258.12	258.05 +	257.99	258.34	258.41	258.36	258.23	258.23 -	258.26	258.25	258.39	258.34	7
8	258.13 +	258.04	257.96 -	258.33	258.40	258.38	258.22	258.23 -	258.26	258.24	258.38	258.32	8
9	258.11	258.04	257.97	258.32 -	258.39	258.38	258.22	258.23 -	258.26	258.23	258.38	258.31	9
10	258.09	258.04	257.99	258.43	258.38	258.39	258.21 -	258.23 -	258.25	258.22	258.36	258.31	10
11	258.07	258.03	258.06	258.62	258.38	258.41	258.21 -	258.23 -	258.23 -	258.22	258.35	258.32	11
12	258.08	258.02	258.12	258.61	258.37	258.42	258.26	258.27	258.23 -	258.22	258.33	258.32	12
13	258.08	258.01	258.22	258.55	258.35	258.42	258.28	258.37 +	258.29	258.21 -	258.32	258.32	13
14	258.06	258.01	258.19	258.50	258.34	258.41	258.33 +	258.33	258.65 +	258.21 -	258.31	258.32	14
Max. +	258.05	258.00	258.19	258.47	258.33	258.40	258.32	258.32	258.52	258.21 -	258.31	258.32	15
16	258.06	258.00	258.19	258.46	258.33	258.39	258.29	258.32	258.45	258.21 -	258.31	258.31	16
17	258.07	258.00	258.15	258.46	258.34	258.41	258.29	258.32	258.41	258.22	258.30	258.30	17
18	258.06	257.99	258.11	258.44	258.34	258.43 +	258.29	258.30	258.38	258.23	258.32	258.30	18
19	258.08	257.98	258.18	258.44	258.33	258.42	258.29	258.28	258.36	258.24	258.32	258.29	19
Min. -	258.08	257.98	258.27	258.43	258.32	258.40	258.28	258.28	258.36	258.23	258.29	258.31	20
21	258.08	257.98	258.30	258.42	258.29	258.38	258.27	258.28	258.35	258.23	258.28 -	258.37	21
22	258.07	257.98	258.34	258.57	258.30	258.37	258.26	258.26	258.34	258.26	258.32	258.42 +	22
23	258.09	257.98	258.34	258.75 +	258.29	258.37	258.27	258.27	258.34	258.32	258.32	258.42 +	23
24	258.08	257.98	258.34	258.69	258.29	258.36	258.26	258.27	258.32	258.29	258.31	258.41	24
25	258.07	257.98	258.32	258.62	258.31	258.34	258.25	258.26	258.31	258.28	258.31	258.41	25
26	258.07	257.97 -	258.32	258.59	258.30	258.32	258.25	258.25	258.31	258.28	258.30	258.40	26
27	258.07	257.97 -	258.33	258.56	258.29	258.28	258.25	258.25	258.31	258.27	258.29	258.39	27
28	258.05	257.97 -	258.34	258.54	258.28	258.26	258.25	258.24	258.30	258.28	258.29	258.38	28
29	258.05	257.97 -	258.35	258.53	258.27	258.25	258.24	258.23 -	258.29	258.36	258.29	258.37	29
30	258.04		258.38 +	258.52	258.26 -	258.23 -	258.23	258.23 -	258.29	258.47 +	258.28 -	258.35	30
31	258.04		258.38 +		258.28		258.24	258.23 -		258.47 +		258.36	31
Monatsmittel	258.06	258.01 -	258.17	258.48 +	258.35	258.36	258.25	258.26	258.32	258.27	258.35	258.33	
Maximum	258.15	258.07 -	258.40	258.78 +	258.53	258.44	258.36	258.39	258.74	258.51	258.52	258.45	
Datum	07.01	07.02	30.03	23.04	01.05	18.06	14.07	13.08	14.09	30.10	02.11	23.12	
Amplitude	0.16	0.10	0.45	0.47	0.27	0.21	0.15	0.18	0.52	0.32	0.25	0.20	
Jahr 2008	Mittel	258.27 m ü.M.		Maximum	258.78 (23.Apr)		Minimum	257.96 (08.Mrz)		Amplitude	0.82 m		



Periode	2003 - 2008											
Monatsmittel	258.11	258.10 -	258.22	258.34 +	258.24	258.19	258.12	258.16	258.12	258.13	258.10 -	258.12
Maximum	258.32 -	258.36	258.79	259.40	258.60	258.59	258.39	259.99 +	259.02	258.71	258.52	258.45
Jahr	2004	2007	2006	2006	2006	2007	2007	2007	2006	2006	2008	2008
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	0.17 -	1.77 +	0.92	0.75	0.26	0.30
Jahr	2004	2005	2006	2006	2006	2007	2006	2007	2006	2004	2004	2007
Periode	Mittel	258.16 m ü.M.		Maximum	259.99 (09.Aug 2007)		Minimum	257.75 (14.Aug 2003)		Amplitude	2.24 m	

Darstellung der letzten 6 Jahre



Grundwassertemperatur



Birstal

Münchenstein

20.J.90

Grün80

Abstichpunkt:

261.97

m ü.M.

OK Terrain:

262.14

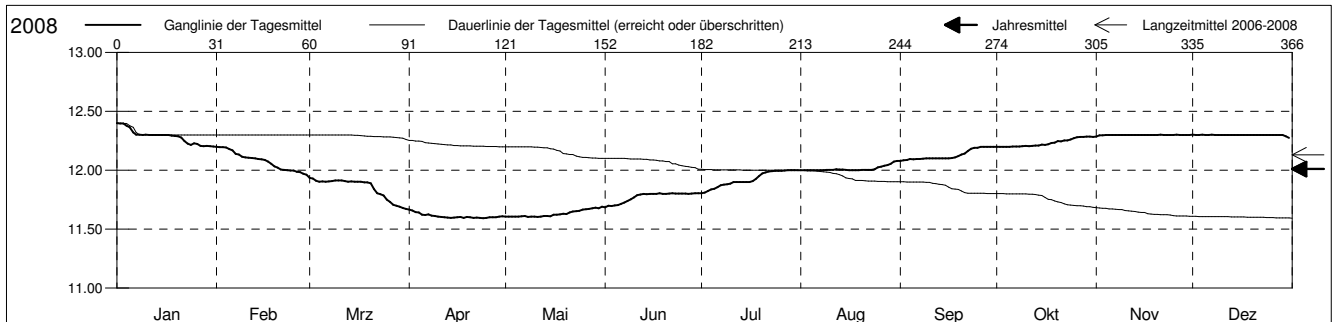
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

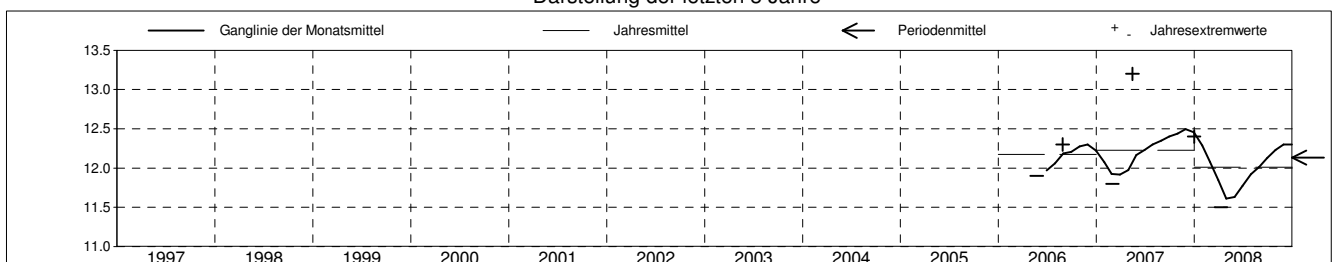
Koordinaten: 613667.50 / 264464.31

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.4 +	12.2 +	11.9 +	11.7 +	11.6 -	11.7 -	11.8 -	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	1
2	12.4 +	12.2 +	11.9 +	11.7 +	11.6 -	11.7 -	11.8 -	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	2
3	12.4 +	12.2 +	11.9 +	11.6 -	11.6 -	11.7 -	11.8 -	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	3
4	12.4 +	12.2 +	11.9 +	11.6 -	11.6 -	11.7 -	11.8 -	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	4
5	12.4 +	12.2 +	11.9 +	11.6 -	11.6 -	11.7 -	11.8 -	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	5
Tagesmittel													
6	12.3	12.2 +	11.9 +	11.6 -	11.6 -	11.7 -	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	6
7	12.3	12.1	11.9 +	11.6 -	11.6 -	11.7 -	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	7
8	12.3	12.1	11.9 +	11.6 -	11.6 -	11.7 -	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	8
9	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	9
10	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	10
11	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	11
12	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	12
13	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	13
14	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	14
15	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	15
Max. +													
16	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	16
17	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	17
18	12.3	12.1	11.9 +	11.6 -	11.6 -	11.8 +	11.9	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	18
19	12.3	12.0 -	11.9 +	11.6 -	11.6 -	11.8 +	12.0 +	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	19
20	12.3	12.0 -	11.9 +	11.6 -	11.6 -	11.8 +	12.0 +	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	20
Min. -													
21	12.3	12.0 -	11.8	11.6 -	11.6 -	11.8 +	12.0 +	12.0 -	12.1 -	12.2 -	12.3 +	12.3 +	21
22	12.2 -	12.0 -	11.8	11.6 -	11.6 -	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	22
23	12.2 -	12.0 -	11.8	11.6 -	11.7 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	23
24	12.2 -	12.0 -	11.8	11.6 -	11.7 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	24
25	12.2 -	12.0 -	11.8	11.6 -	11.7 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	25
26	12.2 -	12.0 -	11.7 -	11.6 -	11.7 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	26
27	12.2 -	12.0 -	11.7 -	11.6 -	11.7 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	27
28	12.2 -	12.0 -	11.7 -	11.6 -	11.7 +	11.8 +	12.0 +	12.0 -	12.2 +	12.3 +	12.3 +	12.3 +	28
29	12.2 -	12.0 -	11.7 -	11.6 -	11.7 +	11.8 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	12.3 +	29
30	12.2 -		11.7 -	11.6 -	11.7 +	11.8 +	12.0 +	12.1 +	12.2 +	12.3 +	12.3 +	12.3 +	30
31	12.2 -		11.7 -		11.7 +		12.0 +	12.1 +		12.3 +		12.3 +	31
Monatsmittel	12.3 +	12.1	11.8	11.6 -	11.6 -	11.8	11.9	12.0	12.1	12.2	12.3 +	12.3 +	
Maximum	12.4 +	12.2	12.0	11.7 -	11.7 -	11.9	12.0	12.1	12.2	12.3	12.4 +	12.4 +	
Datum	01.01	01.02	01.03	01.04	01.05	18.06	17.07	04.08	11.09	06.10	21.11	01.12	
Minimum	12.2 +	11.9	11.6	11.5 -	11.5 -	11.6	11.8	12.0	12.0	12.2 +	12.2 +	12.2 +	
Datum	15.01	24.02	28.03	09.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	24.12	
Amplitude	0.2	0.3	0.4	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.2	0.2	
Jahr 2008	Mittel	12.0 °C		Maximum	12.4 (01.Jan)		Minimum	11.5 (09.Apr)		Amplitude		0.9 °C	



2006 - 2008												
Monatsmittel	12.2	12.0	11.9	11.8 -	11.9	12.0	12.1	12.2	12.2	12.3	12.4 +	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	11.9	11.6	11.5 -	11.5 -	11.6	11.8	12.0	12.0	12.2 +	12.2 +	12.1
Jahr	2007	2007	2008	2008	2008	2008	2008	2008	2008	2006	2006	2006
Amplitude	0.3	0.3	0.4	0.2	1.2 +	0.3	0.3	0.2	0.2	0.1 -	0.2	0.2
Jahr	2007	2008	2008	2007	2007	2008	2006	2006	2008	2006	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 3 Jahre



Leitfähigkeit



Birstal

Münchenstein

20.J.90

Grün80

Abstichpunkt:

261.97

m ü.M.

OK Terrain:

262.14

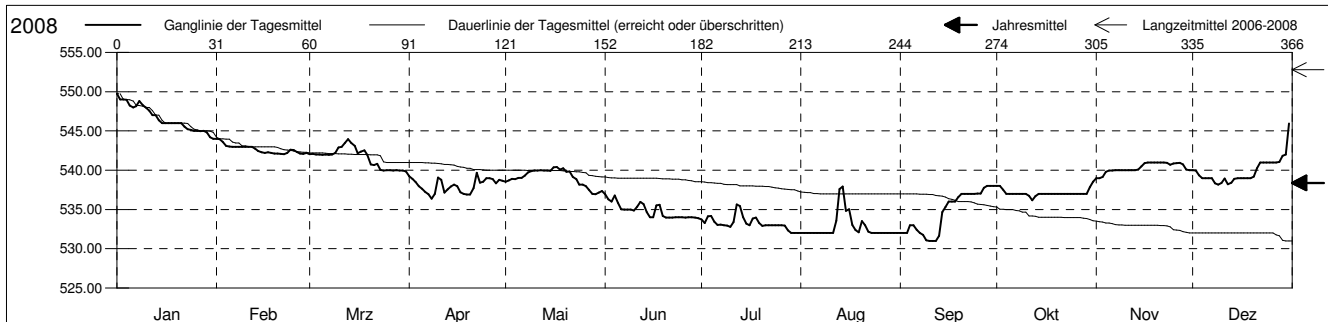
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

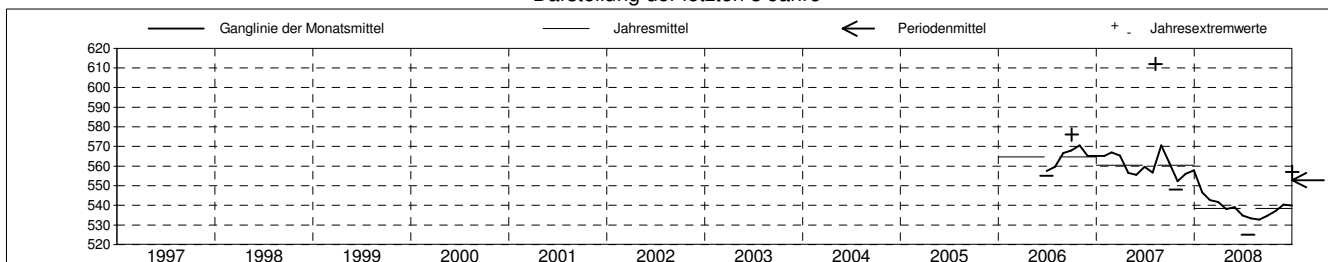
Koordinaten: 613667.50 / 264464.31

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	550 +	544 +	542	539	539	537 +	534	532 -	532	538	539 -	540	1
2	549	544 +	542	539	539	536	533	532 -	532	538	539 -	540	2
3	549	544 +	542	538	539	536	534	532 -	532	538	539 -	539	3
4	549	543	542	538	539	537 +	534	532 -	533	537	540	539	4
5	548	543	542	538	539	536	533	532 -	533	537	540	539	5
Tagesmittel													
6	548	543	542	537	539	535	533	532 -	532	537	540	539	6
7	548	543	542	537	539	535	533	532 -	532	537	540	539	7
8	549	543	542	536 -	540 +	535	533	532 -	532	537	540	538 -	8
9	548	543	542	537	540 +	535	533	532 -	531 -	537	540	538 -	9
10	548	543	543	539	540 +	535	533	532 -	531 -	537	540	538 -	10
11	548	543	543	539	540 +	535	533	532 -	531 -	537	540	539	11
12	547	543	543	537	540 +	536	536 +	534	531 -	536 -	540	538 -	12
13	547	543	544 +	538	540 +	536	535	538 +	532	537	540	538 -	13
14	546	542 -	543	538	540 +	535	534	538 +	535	537	540	539	14
Max. +	546	542 -	543	538	540 +	534 -	533	535	535	537	541 +	539	15
16	546	542 -	542	538	540 +	534 -	533	535	536	537	541 +	539	16
17	546	542 -	542	537	540 +	536	534	533	536	537	541 +	539	17
18	546	542 -	543	537	540 +	536	534	532 -	536	537	541 +	539	18
19	546	542 -	542	537	540 +	534 -	533	532 -	537	537	541 +	539	19
Min. -	546	542 -	541	537	540 +	534 -	533	534	537	537	541 +	539	20
21	546	542 -	541	538	540 +	534 -	533	533	537	537	541 +	540	21
22	546	542 -	541	540 +	539	534 -	533	532 -	537	537	541 +	541	22
23	545	542 -	540 -	538	539	534 -	533	532 -	537	537	541 +	541	23
24	545	543	540 -	539	538	534 -	533	532 -	537	537	541 +	541	24
25	545	543	540 -	539	538	534 -	533	532 -	537	537	541 +	541	25
26	545	542 -	540 -	539	538	534 -	533	532 -	537	537	541 +	541	26
27	545	542 -	540 -	539	538	534 -	533	532 -	538 +	537	541 +	541	27
28	545	542 -	540 -	538	537 -	534 -	532 -	532 -	538 +	537	541 +	541	28
29	545	542 -	540 -	539	537 -	534 -	532 -	532 -	538 +	537	540	542	29
30	544 -		540 -	539	537 -	534 -	532 -	532 -	538 +	538	540	542	30
31	544 -		540 -		537 -		532 -	532 -		539 +		546 +	31
Monatsmittel	547 +	543	542	538	539	535	533 -	533 -	535	537	540	540	
Maximum	550	544	545	541	541	538 -	539	538 -	538 -	539	541	557 +	
Datum	01.01	01.02	12.03	10.04	16.05	04.06	11.07	12.08	25.09	31.10	14.11	31.12	
Minimum	543 +	542	539	535	536	533	525 -	532	531	536	539	538	
Datum	30.01	11.02	23.03	08.04	27.05	20.06	20.07	01.08	08.09	10.10	01.11	07.12	
Amplitude	7	2	6	6	5	5	14	6	7	3	2	19	
Jahr 2008	Mittel	538 µs/cm	Maximum	557 (31.Dez)	Minimum	525 (20.Jul)	Amplitude	32 µs/cm					



Periode	2006 - 2008											
Monatsmittel	556	555	553	547 -	547 -	551	550	557 +	555	553	554	554
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	535	536	533	525 -	532	531	536	539	538
Jahr	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008
Amplitude	7	8	6 -	10	8	7	14	61 +	15	15	12	19
Jahr	2008	2007	2007	2007	2006	2006	2008	2007	2007	2006	2007	2008
Periode	Mittel	553 µs/cm	Maximum	612 (10.Aug 2007)	Minimum	525 (20.Jul 2008)	Amplitude	87 µs/cm				

Darstellung der letzten 3 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)

OK. Terrain

262.14 m ü.M.

OK.Rohr = OK. Abstich
261.97 m ü.M.

FA GM

Grundwasserspiegel

2.15 **259.99 Maximum**
6.35 09.08.2007
13.2°C 612 µs/cm

4.01 **258.13 Mittelwert**
4.49 **1990-2008**
12.1°C 553 µs/cm

4.69 **257.45 Minimum**
3.81 10.03.1993
11.5°C 525 µs/cm

4" - Rohr
gebohrt von 246.84 bis 258.97 m ü.M.

253.64

Fels Sondenhöhe 252.00

UK.Sondierung

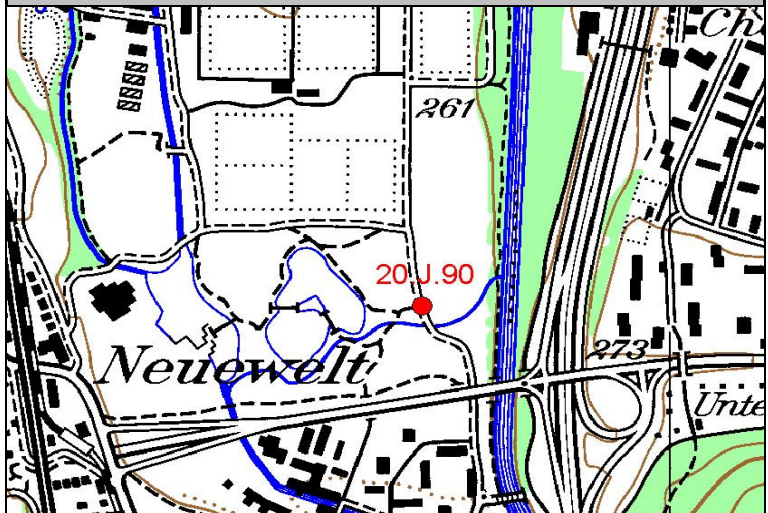
246.84

FA= Flurabstände

GM= Grundwassermächtigkeit in m

Els.-Molasse
toniger Sand-
stein

Kartenausschnitt Münchenstein



Situationsplan Münchenstein

