

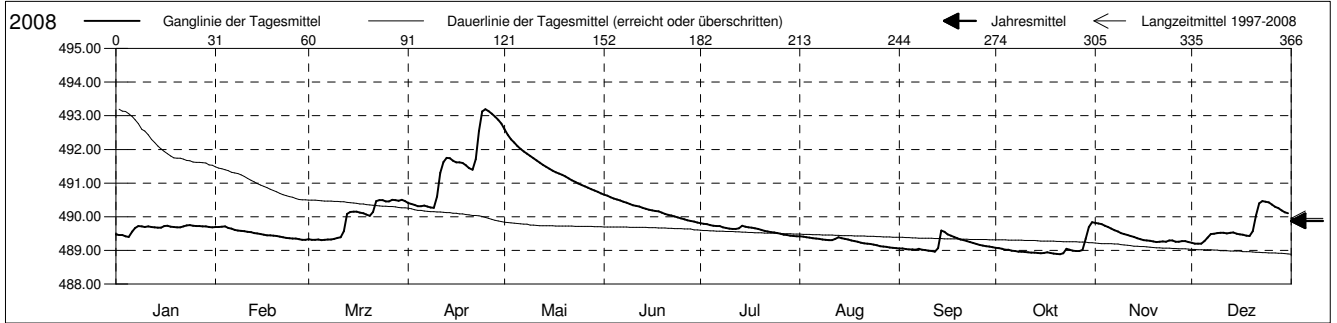
Grundwasserstände



Frenketal  
 Oberdorf 92.J.02 Sekundarschule  
 Abstichpunkt: 499.66 m ü.M.  
 OK Terrain: 500.26 m ü.M.

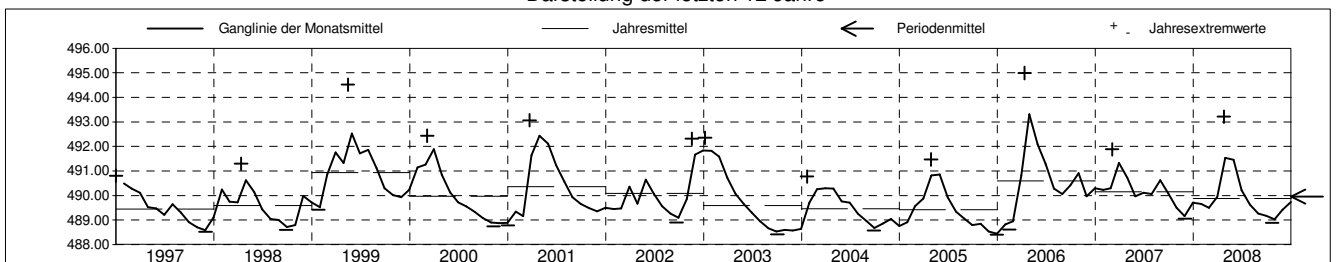
Amt für Umweltschutz und Energie  
 Kanton Basel-Landschaft  
 Koordinaten: 623726.25 / 249322.64

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	489.47	489.70	489.33	490.41	492.59 +	490.66 +	489.81 +	489.42 +	489.06	489.08	489.82 +	489.23	1
2	489.46	489.70	489.32	490.38	492.43	490.62	489.79	489.40	489.05	489.06	489.80	489.20 -	2
3	489.45	489.71 +	489.31 -	490.35	492.30	490.58	489.78	489.39	489.04	489.04	489.78	489.20 -	3
4	489.42	489.71 +	489.33	490.31	492.20	490.54	489.75	489.38	489.03	489.02	489.73	489.20 -	4
5	489.40 -	489.67	489.31 -	490.32	492.10	490.51	489.73	489.36	489.03	489.01	489.70	489.28	5
Tagesmittel													
6	489.56	489.65	489.31 -	490.33	492.02	490.48	489.72	489.35	489.01	488.99	489.65	489.38	6
7	489.66	489.61	489.33	490.30	491.94	490.45	489.72	489.34	489.04	488.98	489.60	489.49	7
8	489.72	489.59	489.33	490.28	491.87	490.42	489.69	489.32	489.02	488.97	489.56	489.50	8
9	489.72	489.58	489.35	490.27 -	491.81	490.38	489.67	489.31	489.01	488.97	489.51	489.52	9
10	489.70	489.56	489.37	490.60	491.74	490.34	489.65	489.30	488.99	488.96	489.49	489.53	10
11	489.71	489.55	489.39	491.30	491.67	490.32	489.63	489.30	488.98	488.94	489.46	489.52	11
12	489.70	489.54	489.57	491.62	491.60	490.30	489.63	489.34	488.97 -	488.94	489.43	489.50	12
13	489.68	489.52	490.08	491.75	491.54	490.27	489.65	489.39	489.06	488.93	489.40	489.52	13
14	489.68	489.50	490.14	491.74	491.48	490.23	489.74	489.36	489.59 +	488.92	489.36	489.53	14
15	489.68	489.49	490.15	491.66	491.42	490.21	489.71	489.35	489.55	488.91	489.33	489.50	15
Max. +													
16	489.73	489.46	490.15	491.62	491.37	490.19	489.69	489.32	489.48	488.93	489.31	489.48	16
17	489.73	489.45	490.13	491.62	491.32	490.17	489.68	489.30	489.44	488.95	489.29	489.46	17
18	489.70	489.44	490.10	491.60	491.28	490.16	489.66	489.27	489.40	488.92	489.29	489.43	18
19	489.69	489.44	490.07	491.53	491.25	490.12	489.64	489.25	489.36	488.91	489.27	489.43	19
20	489.68	489.42	490.03	491.44	491.19	490.09	489.61	489.23	489.33	488.90	489.25 -	489.57	20
Min. -													
21	489.69	489.41	490.15	491.40	491.14	490.06	489.58	489.21	489.30	488.89 -	489.26	490.03	21
22	489.72	489.39	490.46	491.71	491.08	490.03	489.56	489.20	489.28	488.92	489.26	490.40	22
23	489.74	489.37	490.49	492.54	491.03	490.00	489.54	489.18	489.25	489.05	489.26	490.47 +	23
24	489.75 +	489.37	490.49	493.12	490.99	489.98	489.53	489.17	489.22	489.02	489.30	490.45	24
25	489.73	489.35	490.46	493.20 +	490.94	489.95	489.51	489.15	489.19	488.99	489.29	490.42	25
26	489.73	489.35	490.45	493.14	490.90	489.92	489.49	489.13	489.16	488.98	489.26	490.36	26
27	489.72	489.33	490.50 +	493.06	490.87	489.90	489.47	489.12	489.14	488.98	489.25 -	490.30	27
28	489.71	489.32	490.49	492.98	490.82	489.87	489.46	489.10	489.12	489.01	489.27	490.25	28
29	489.71	489.31 -	490.48	492.88	490.78	489.85	489.44	489.09	489.11	489.34	489.27	490.19	29
30	489.70		490.50 +	492.76	490.74	489.83 -	489.42 -	489.08	489.10	489.70	489.25 -	490.13	30
31	489.68		490.47	490.69 -			489.42 -	489.06 -		489.84 +		490.10	31
Monatsmittel	489.66	489.50	489.94	491.54 +	491.45	490.21	489.62	489.26	489.18	489.03 -	489.42	489.73	
Maximum	489.76	489.73	490.51	493.21 +	492.67	490.67	489.82	489.43 -	489.67	489.85	489.83	490.47	
Datum	24.01	04.02	27.03	24.04	01.05	01.06	01.07	01.08	14.09	31.10	01.11	23.12	
Amplitude	0.37	0.43	1.21	2.95	2.00	0.86	0.41	0.38	0.71	0.97	0.60	1.29	
Jahr 2008	Mittel	489.88 m ü.M.		Maximum	493.21 (24.Apr)		Minimum	488.88 (21.Okt)		Amplitude	4.33 m		



Periode	1997 - 2008												
Monatsmittel	489.94	490.08	490.70	490.93 +	490.73	490.16	489.81	489.55	489.28 -	489.29	489.42	489.57	
Maximum	492.35	492.95	493.07	494.99 +	494.52	492.34	492.60	491.69	491.51	491.42 -	492.31	492.14	
Jahr	2003	1999	2001	2006 +	1999	1999	1999	1999	2006	2006	2002	2002	
Minimum	488.61	488.61	489.01	489.35 +	489.23	489.03	488.83	488.55	488.43	488.42	488.43	488.40 -	
Jahr	2004	2006	2001	1997	1997	1997	1998	2003	2003	2003	2005	2005	
Amplitude	2.16	3.26	4.06 +	3.70	3.52	2.71	1.57	1.74	1.69	1.10 -	2.12	1.81	
Jahr	2004	1999	2001	2006	1999	2006	1999	2007	2006	2002	2002	1999	
Periode	Mittel	489.96 m ü.M.		Maximum	494.99 (12.Apr 2006)		Minimum	488.40 (29.Dez 2005)		Amplitude	6.59 m		

Darstellung der letzten 12 Jahre



**Grundwassertemperatur**



Frenketal

Oberdorf

Abstichpunkt:

OK Terrain:

92.J.02

499.66

500.26

Sekundarschule

m ü.M.

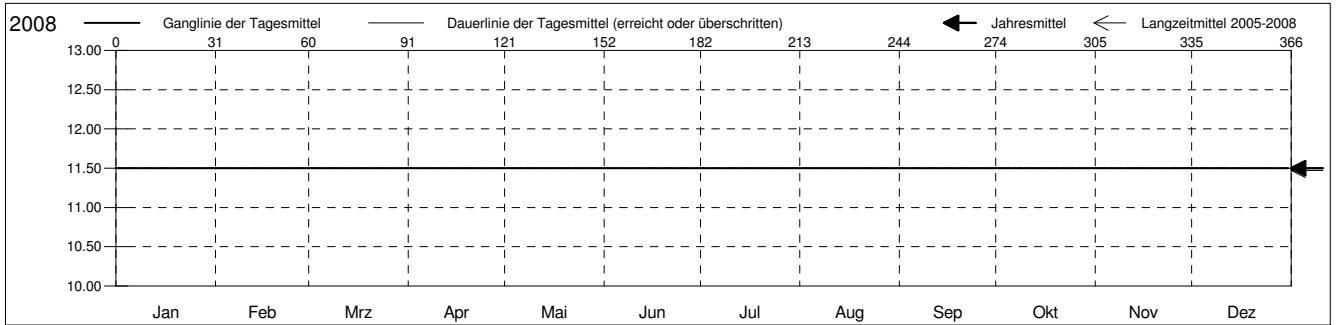
m ü.M.

**Amt für Umweltschutz und Energie**

**Kanton Basel-Landschaft**

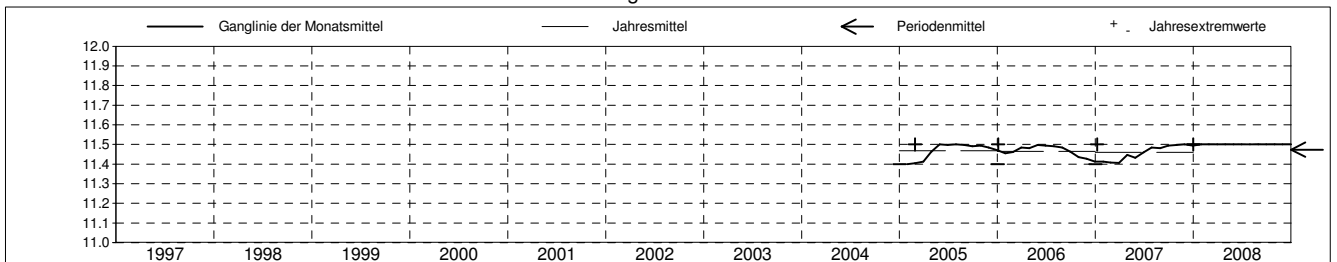
Koordinaten: 623726.25 / 249322.64

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	1
2	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	2
3	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	3
4	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	4
5	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	5
Tagesmittel													
6	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	6
7	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	7
8	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	8
9	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	9
10	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	10
11	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11
12	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	12
13	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	13
14	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	14
15	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	15
Max. +													
16	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	16
17	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	17
18	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	18
19	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	19
20	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	20
Min. -													
21	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	21
22	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	22
23	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	23
24	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	24
25	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	25
26	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	26
27	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	27
28	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	28
29	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	29
30	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	30
31	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	31
Monatsmittel	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	
Maximum	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	
Datum	01.01	01.02	01.03	01.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	01.12	
Minimum	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	
Datum	01.01	01.02	01.03	01.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	01.12	
Amplitude	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	0.0 +	
Jahr 2008	Mittel	11.5 °C		Maximum	11.5 (01.Jan)		Minimum	11.5 (01.Jan)		Amplitude	0.0 °C		



Periode	2005 - 2008												
Monatsmittel	11.4 -	11.4 -	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +
Maximum	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +	11.5 +
Jahr	2006	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
Minimum	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +	11.4 +
Jahr	2005	2005	2005	2005	2006	2005	2006	2005	2005	2005	2005	2005	2005
Amplitude	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +	0.1 +
Jahr	2006	2005	2005	2005	2006	2005	2006	2005	2005	2005	2005	2005	2005
Periode	Mittel	11.5 °C		Maximum	11.5 (27.Feb 2005)		Minimum	11.4 (01.Jan 2005)		Amplitude	0.1 °C		

Darstellung der letzten 4 Jahre



**Leitfähigkeit**



Frenketal

Oberdorf

Abstichpunkt:

OK Terrain:

92.J.02

499.66

500.26

Sekundarschule

m ü.M.

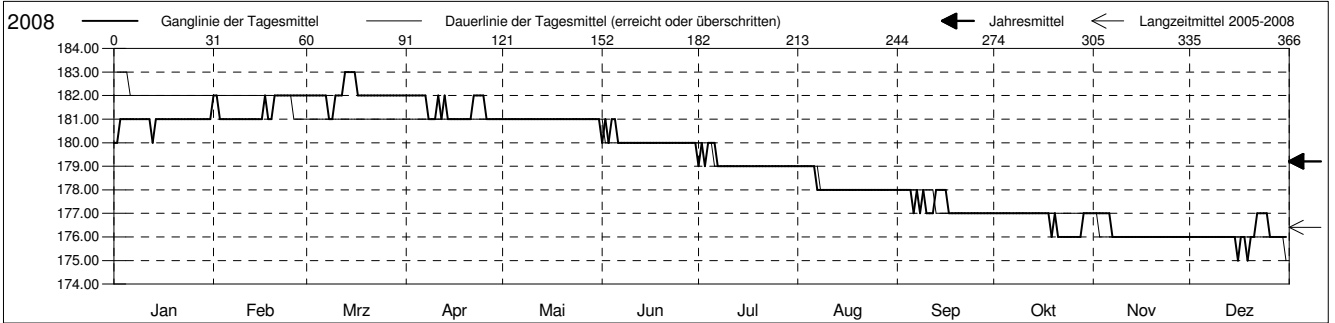
m ü.M.

**Amt für Umweltschutz und Energie**

**Kanton Basel-Landschaft**

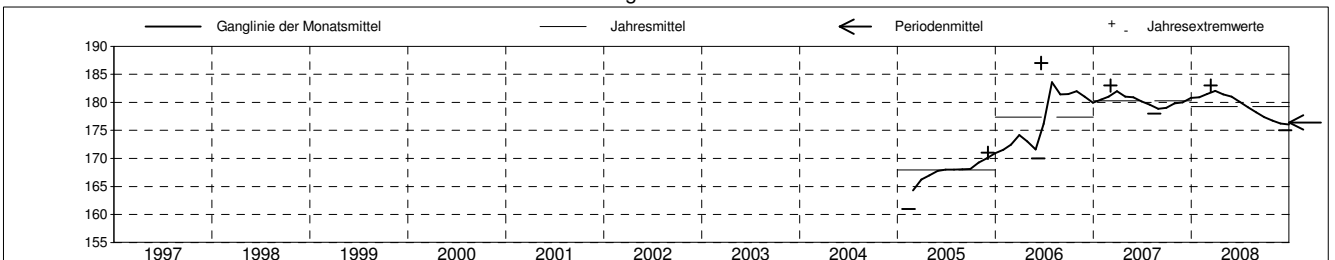
Koordinaten: 623726.25 / 249322.64

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	180 -	182 +	182	182 +	181 +	180 -	179 -	179 +	178 +	177 +	177 +	176	1
2	180 -	182 +	182	182 +	181 +	181 +	180 +	179 +	178 +	177 +	177 +	176	2
3	181 +	181 -	182	182 +	181 +	180 -	179 -	179 +	178 +	177 +	177 +	176	3
4	181 +	181 -	182	182 +	181 +	181 +	180 +	179 +	178 +	177 +	177 +	176	4
5	181 +	181 -	182	182 +	181 +	181 +	180 +	179 +	178 +	177 +	177 +	176	5
Tagesmittel													
6	181 +	181 -	182	182 +	181 +	180 -	180 +	179 +	177 -	177 +	177 +	176	6
7	181 +	181 -	182	182 +	181 +	180 -	179 -	178 -	178 +	177 +	176 -	176	7
8	181 +	181 -	181 -	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	8
9	181 +	181 -	181 -	181 -	181 +	180 -	179 -	178 -	178 +	177 +	176 -	176	9
10	181 +	181 -	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	10
11	181 +	181 -	182	182 +	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	11
12	181 +	181 -	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	12
13	180 -	181 -	183 +	182 +	181 +	180 -	179 -	178 -	178 +	177 +	176 -	176	13
14	181 +	181 -	183 +	181 -	181 +	180 -	179 -	178 -	178 +	177 +	176 -	176	14
15	181 +	181 -	183 +	181 -	181 +	180 -	179 -	178 -	178 +	177 +	176 -	176	15
Max. +													
16	181 +	181 -	183 +	181 -	181 +	180 -	179 -	178 -	178 +	177 +	176 -	175 -	16
17	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	17
18	181 +	181 -	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	18
19	181 +	181 -	182	181 -	181 +	180 -	179 -	178 -	177 -	176 -	176 -	175 -	19
20	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	20
Min. -													
21	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	176 -	176 -	176	21
22	181 +	182 +	182	182 +	181 +	180 -	179 -	178 -	177 -	176 -	176 -	177 +	22
23	181 +	182 +	182	182 +	181 +	180 -	179 -	178 -	177 -	176 -	176 -	177 +	23
24	181 +	182 +	182	182 +	181 +	180 -	179 -	178 -	177 -	176 -	176 -	177 +	24
25	181 +	182 +	182	182 +	181 +	180 -	179 -	178 -	177 -	176 -	176 -	177 +	25
26	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	176 -	176 -	176	26
27	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	176 -	176 -	176	27
28	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	176 -	176 -	176	28
29	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	29
30	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	30
31	181 +	182 +	182	181 -	181 +	180 -	179 -	178 -	177 -	177 +	176 -	176	31
Monatsmittel	181	181	182 +	181	181	180	179	178	177	177	176 -	176 -	
Maximum	181	182	183 +	182	181	181	180	179	178	177 -	177 -	177 -	
Datum	03.01	01.02	13.03	01.04	01.05	02.06	02.07	01.08	01.09	01.10	01.11	22.12	
Minimum	180	181 +	181 +	181 +	181 +	180	179	178	177	176	176	175 -	
Datum	01.01	03.02	08.03	08.04	01.05	01.06	01.07	07.08	06.09	19.10	07.11	16.12	
Amplitude	1	1	2	1	0 +	1	1	1	1	1	1	2	
Jahr 2008	Mittel	179 µs/cm	Maximum	183 (13.Mrz)	Minimum	175 (16.Dez)	Amplitude	8 µs/cm					



Periode	2005 - 2008												
Monatsmittel	178 +	175 -	176	176	175 -	176	178 +	177	176	177	177	177	
Maximum	181 -	182	183	182	181 -	187 +	184	183	182	182	182	181 -	
Jahr	2007	2008	2007	2007	2007	2006	2006	2006	2006	2006	2006	2006	
Minimum	171 +	161 -	165	167	167	168	168	168	167	169	170	170	
Jahr	2006	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	
Amplitude	1 -	4	4	2	1 -	17 +	1 -	3	2	1 -	1 -	2	
Jahr	2006	2005	2006	2006	2005	2006	2006	2006	2005	2005	2006	2006	
Periode	Mittel	176 µs/cm	Maximum	187 (20.Jun 2006)	Minimum	161 (10.Feb 2005)	Amplitude	26 µs/cm					

Darstellung der letzten 4 Jahre



# Grundwasserspiegel im Frenketal

Station 92.J.2 Oberdorf  
Felsgrundwasser

Sekundarschule

Koordinaten: 623'726.25 / 249'322.64

Messwerte: Grundwasserspiegel  
Temperatur (ab 2005)  
Leitfähigkeit (ab 2005)

OK. Abstich "Blechabdeckung"  
499.66 m ü.M. OK. Terrain = Schulhausplatz  
500.26 m ü.M.

