

Grundwasserstände



Birstal

Birsfelden

Abstichpunkt:

OK Terrain:

17.J.01

255.96

255.09

Hagnau

m ü.M.

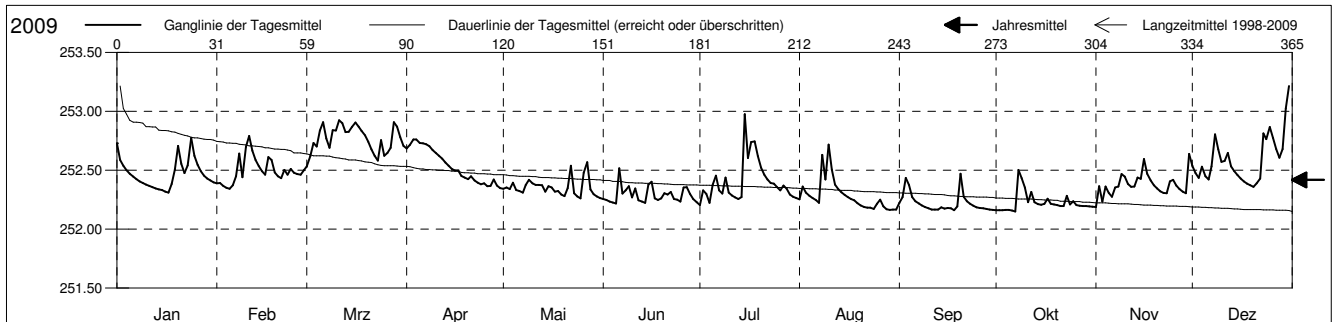
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

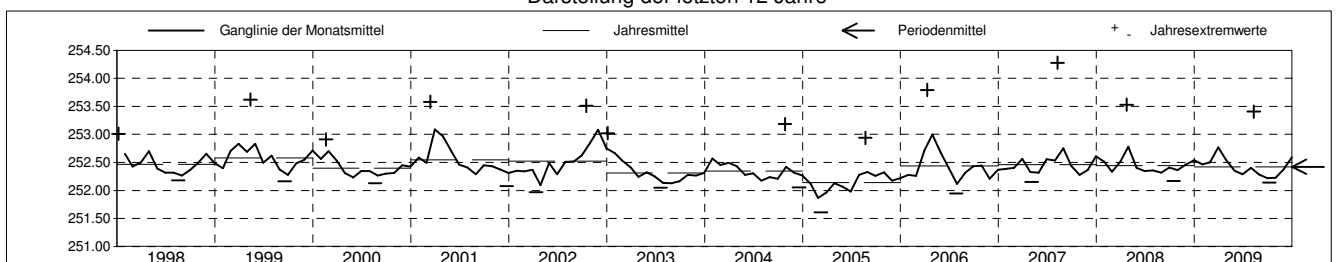
Koordinaten: 613914.75 / 266003.84

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	252.73	252.39	252.53 -	252.68	252.34	252.26	252.20 -	252.25	252.22	252.16	252.19 -	252.54	1
2	252.59	252.39	252.62	252.71	252.35	252.25	252.33	252.36	252.27	252.16	252.36	252.47	2
3	252.54	252.37	252.73	252.76 +	252.34	252.23	252.30	252.31	252.43	252.16	252.24	252.43	3
4	252.50	252.35	252.70	252.76 +	252.39	252.22 -	252.22	252.28	252.37	252.16	252.36	252.53	4
Tagesmittel	252.47	252.34 -	252.84	252.73	252.33	252.22 -	252.38	252.26	252.27	252.16	252.31	252.45	5
6	252.45	252.37	252.91	252.73	252.32	252.52 +	252.46	252.25	252.24	252.16	252.27	252.42	6
7	252.43	252.45	252.77	252.72	252.31	252.30	252.33	252.22	252.22	252.15 -	252.35	252.53	7
8	252.41	252.64	252.69	252.70	252.37	252.33	252.30	252.63	252.20	252.50 +	252.36	252.80	8
9	252.39	252.44	252.84	252.67	252.42	252.37	252.44	252.42	252.19	252.43	252.47	252.68	9
10	252.38	252.70	252.84	252.65	252.39	252.27	252.31	252.72 +	252.18	252.35	252.45	252.57	10
11	252.37	252.79 +	252.92 +	252.62	252.38	252.34	252.29	252.51	252.17	252.23	252.38	252.58	11
12	252.36	252.67	252.90	252.60	252.38	252.25	252.27	252.38	252.17	252.32	252.36	252.65	12
13	252.35	252.59	252.82	252.57	252.37	252.23	252.26	252.34	252.17	252.23	252.36	252.53	13
14	252.34	252.54	252.83	252.54	252.32	252.22 -	252.27	252.31	252.18	252.21	252.44	252.49	14
Max. +	252.33	252.49	252.87	252.51	252.36	252.38	252.97 +	252.29	252.17	252.21	252.43	252.46	15
16	252.32	252.46	252.91	252.50	252.35	252.40	252.60	252.27	252.18	252.22	252.60	252.43	16
17	252.31 -	252.61	252.87	252.50	252.32	252.26	252.74	252.26	252.18	252.26	252.47	252.41	17
18	252.38	252.59	252.83	252.45	252.32	252.25	252.74	252.25	252.16 -	252.21	252.41	252.39	18
19	252.51	252.48	252.80	252.44	252.29	252.26	252.62	252.22	252.19	252.21	252.37	252.37	19
Min. -	252.71	252.45	252.74	252.42	252.28	252.31	252.52	252.20	252.47 +	252.20	252.35	252.36 -	20
21	252.56	252.43	252.68	252.45	252.35	252.29	252.46	252.19	252.28	252.20	252.32	252.39	21
22	252.48	252.50	252.62	252.41	252.54	252.32	252.42	252.18	252.24	252.20	252.31	252.43	22
23	252.54	252.46	252.58	252.39	252.30	252.26	252.39	252.18	252.21	252.28	252.31	252.81	23
24	252.78 +	252.51	252.75	252.38	252.28	252.25	252.39	252.17	252.20	252.21	252.41	252.76	24
25	252.62	252.48	252.62	252.39	252.26 -	252.24	252.36	252.21	252.19	252.24	252.42	252.87	25
26	252.55	252.47	252.65	252.37	252.48	252.35	252.33	252.25	252.18	252.20	252.37	252.77	26
27	252.49	252.46	252.69	252.37	252.57 +	252.36	252.37	252.19	252.18	252.20	252.34	252.68	27
28	252.46	252.50	252.91	252.42	252.34	252.30	252.34	252.17	252.17	252.20	252.32	252.61	28
29	252.43		252.87	252.37	252.30	252.26	252.29	252.16 -	252.17	252.19	252.31	252.68	29
30	252.41		252.78	252.35 -	252.28	252.23	252.27	252.17	252.16 -	252.19	252.64 +	253.02	30
31	252.40		252.71		252.26 -		252.26	252.17		252.19		253.21 +	31
Monatsmittel	252.47	252.50	252.77 +	252.54	252.35	252.29	252.40	252.28	252.22 -	252.23	252.38	252.59	
Maximum	252.97	252.90	253.13	252.78 -	253.15	252.89	253.26	253.40 +	253.00	253.16	252.96	253.29	
Datum	01.01	10.02	28.03	04.04	21.05	06.06	15.07	10.08	03.09	08.10	14.11	31.12	
Amplitude	0.66	0.57	0.61	0.44	0.90	0.68	1.08	1.25	0.85	1.02	0.77	0.94	
Jahr 2009	Mittel	252.42 m ü.M.	Maximum	253.40 (10.Aug)	Minimum	252.14 (07.Okt)	Amplitude	1.26 m					



Periode	1998 - 2009											
Monatsmittel	252.46	252.42	252.56 +	252.52	252.42	252.34 -	252.35	252.34 -	252.35	252.41	252.44	252.47
Maximum	253.04 -	253.50	253.58	253.79	253.62	253.08	253.26	254.28 +	253.52	253.51	253.40	253.29
Jahr	2004	1999	2001	2006	1999	2007	2009	2007	2008	2002	2002	2009
Minimum	251.73	251.66	251.61 -	251.85	251.96	251.79	251.95	252.07	252.10	252.13 +	252.12	252.06
Jahr	2005	2005	2005	2005	2005	2005	2006	2003	2003	2003	2005	2004
Amplitude	1.00	1.13	1.20	1.16	1.11	0.74 -	1.08	1.95 +	1.34	1.02	0.77	0.94
Jahr	2005	1999	2001	2006	1999	2008	2009	2007	2008	2004	2009	2009
Periode	Mittel	252.42 m ü.M.	Maximum	254.28 (09.Aug 2007)	Minimum	251.61 (10.Mrz 2005)	Amplitude	2.67 m				

Darstellung der letzten 12 Jahre



Grundwassertemperatur



Birstal

Birsfelden

Abstichpunkt:

OK Terrain:

17.J.01

255.96

255.09

Hagnau

m ü.M.

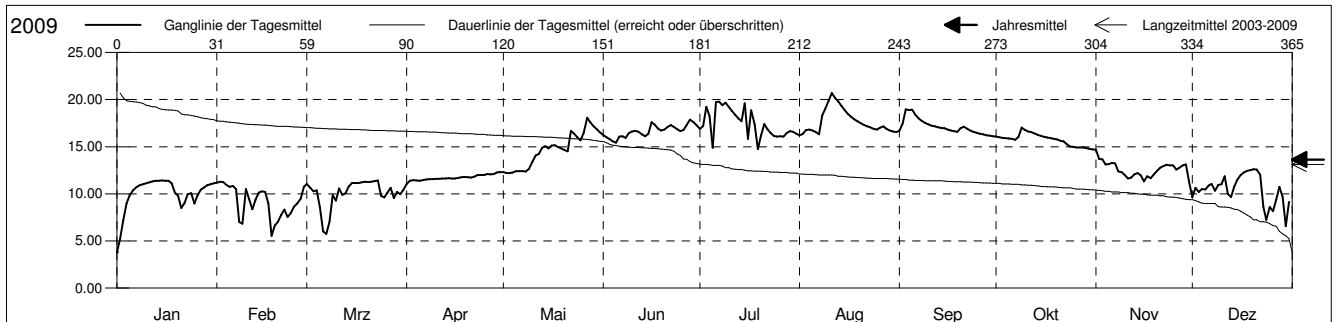
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

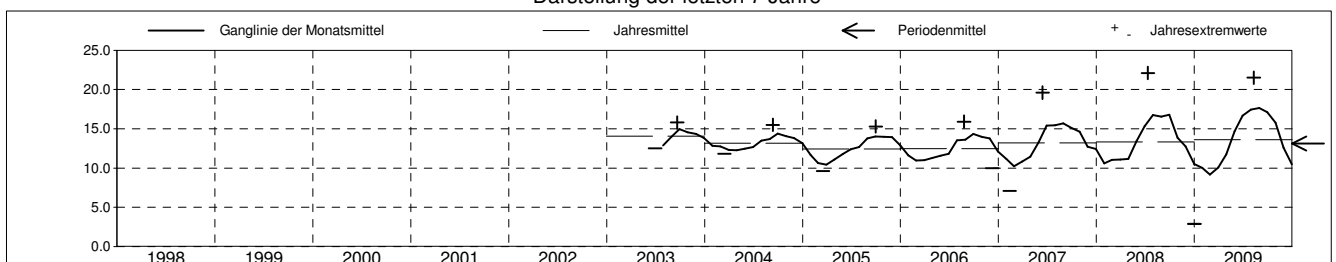
Koordinaten: 613914.75 / 266003.84

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
1	3.8 -	11.2	11.0	11.0 -	12.3	16.2	16.9	16.2 -	16.7	16.1	14.7 +	9.7	1	
2	5.2	11.3 +	10.6	11.4	12.2 -	16.0	17.2	16.3	17.4	16.0	13.7	10.6	2	
3	7.2	11.2	10.2	11.5	12.2 -	15.8	19.2	16.8	19.0 +	15.9	13.7	10.2	3	
4	9.0	10.9	10.3	11.4	12.3	15.6	18.3	16.8	18.9	15.9	13.1	10.5	4	
5	9.9	10.7	8.6	11.4	12.4	15.4 -	14.9	16.7	18.9	15.9	13.1	10.4	5	
Tagesmittel	6	10.4	10.8	6.0	11.5	12.4	16.1	19.8 +	16.5	18.4	15.8	13.3	10.9	6
7	10.7	10.5	5.7 -	11.5	12.4	16.1	19.8 +	16.3	18.0	15.7	13.2	11.0	7	
8	10.9	7.0	7.0	11.5	12.4	15.9	19.4	18.3	17.7	16.0	12.4	10.3	8	
9	11.0	6.8	9.9	11.5	12.6	16.4	19.7	19.1	17.5	17.0 +	12.3	10.9	9	
10	11.1	10.5	9.3	11.6	13.4	16.6	19.2	19.9	17.4	16.8	12.0	11.0	10	
11	11.2	9.4	10.6	11.6	14.1	16.7	18.8	20.7 +	17.2	16.6	11.6	11.9	11	
12	11.3	8.4	9.9	11.6	14.2	16.6	18.4	20.2	17.1	16.6	11.7	10.0	12	
13	11.4 +	9.4	10.1	11.6	14.9	16.3	18.0	19.8	17.0	16.4	12.1	9.7	13	
14	11.4 +	10.1	10.8	11.7	15.1	16.1	17.7	19.3	17.0	16.2	12.2	10.8	14	
Max. +	15	11.4 +	10.2	11.1	11.6	14.8	16.4	19.6	18.9	17.0	16.1	12.0	11.5	15
16	11.4 +	10.2	11.2	11.6	15.1	17.6	15.8	18.5	16.8	16.0	11.3	12.0	16	
17	11.4 +	9.0	11.1	11.7	15.1	17.3	18.9	18.2	16.7	16.0	11.9	12.3	17	
18	11.1	5.5 -	11.2	11.7	14.9	16.9	17.4	17.9	16.7	15.9	11.7	12.4	18	
19	10.1	6.6	11.3	11.8	14.8	16.7	14.7 -	17.7	16.6	15.8	12.1	12.5	19	
Min. -	20	9.8	7.1	11.3	11.7	14.6	16.8	16.2	17.5	17.0	15.8	12.4	12.6 +	20
21	8.5	7.8	11.3	11.7	14.5	17.1	17.4	17.3	17.1	15.6	12.8	12.6 +	21	
22	9.0	8.3	11.3	11.8	16.7	17.3	16.9	17.2	16.9	15.6	12.9	12.0	22	
23	10.0	7.5	11.4 +	12.0	16.4	17.1	16.4	17.0	16.7	15.3	13.1	8.6	23	
24	10.1	8.0	9.8	12.0	16.0	16.9	16.1	16.9	16.6	15.0	13.0	7.3	24	
25	9.0	8.6	9.6	12.0	15.7	16.6	16.1	16.8	16.5	15.0	13.0	8.6	25	
26	9.8	9.0	10.1	12.1	16.5	16.8	16.1	17.0	16.4	14.9	12.6	8.1	26	
27	10.4	9.5	10.6	12.1	18.1 +	17.3	16.1	17.1	16.3	14.9	12.8	9.4	27	
28	10.7	10.7	9.5	12.1	17.5	17.9 +	16.4	16.9	16.2	14.9	13.0	10.7	28	
29	10.9		10.2	12.3 +	17.2	17.6	16.6	16.7	16.2	14.8	13.1	9.7	29	
30	11.0		10.0	12.3 +	16.8	17.3	16.6	16.6	16.1 -	14.8	11.2 -	6.6 -	30	
31	11.1		10.4		16.5		16.4	16.5		14.7 -		9.1	31	
Monatsmittel	10.0	9.2 -	10.1	11.7	14.7	16.6	17.4	17.7 +	17.1	15.7	12.6	10.4		
Maximum	12.2	11.4 -	11.6	12.4	18.5	18.1	20.7	21.5 +	19.7	17.4	14.7	12.7		
Datum	20.01	02.02	28.03	30.04	26.05	27.06	03.07	10.08	03.09	08.10	01.11	21.12		
Minimum	2.9 -	5.3	5.6	10.8	12.2	15.0	13.8	15.9 +	15.7	14.7	9.3	5.9		
Datum	01.01	18.02	07.03	01.04	01.05	06.06	05.07	02.08	20.09	30.10	30.11	30.12		
Amplitude	9.3	6.1	6.0	1.6	6.3	3.1	6.9	5.6	4.0	2.7	5.4	6.8		
Jahr 2009	Mittel	13.6 °C		Maximum	21.5 (10.Aug)		Minimum	2.9 (01.Jan)		Amplitude		18.6 °C		



2003 - 2009													
Monatsmittel	11.3	10.8 -	10.9	11.5	12.9	14.0	14.6	15.0	15.2 +	14.4	13.4	12.2	
Maximum Jahr	13.5 2004	13.0 2004	12.8 2004	12.5 - 2004	18.5 2009	19.6 2007	22.1 + 2008	21.5 2009	20.3 2008	17.4 2009	14.7 2009	14.1 2003	
Minimum Jahr	2.9 - 2009	5.3 2009	5.6 2009	9.5 2008	11.3 2005	11.7 2006	12.2 2006	12.9 2005	13.5 + 2005	7.9 2008	9.3 2009	2.9 - 2008	
Amplitude Jahr	9.3 2009	6.1 2009	6.0 2009	2.4 - 2008	6.3 2009	6.2 2007	8.4 2008	5.6 2009	5.3 2008	7.2 2008	5.4 2009	10.1 + 2008	
Periode	Mittel	13.1 °C			Maximum	22.1 (11.Jul 2008)		Minimum	2.9 (31.Dez 2008)		Amplitude		19.2 °C

Darstellung der letzten 7 Jahre



Leitfähigkeit



Birstal

Birsfelden

Abstichpunkt:

OK Terrain:

17.J.01

255.96

255.09

Hagnau

m ü.M.

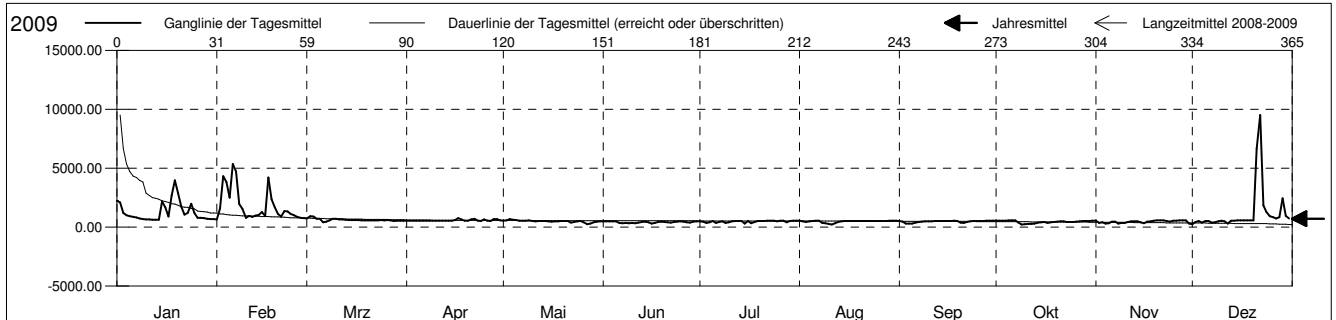
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

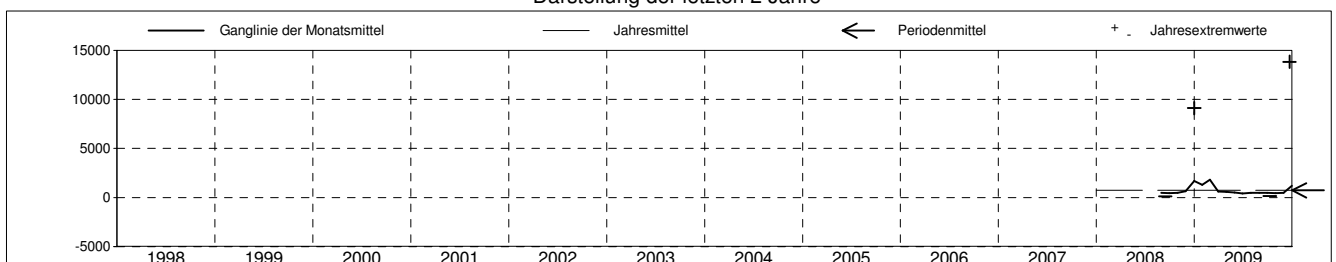
Koordinaten: 613914.75 / 266003.84

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	2240	666 -	726	549	541	489	489	545 +	527	550	542	260 -	1
2	2085	1569	917 +	554	588	495	462	484	457	554	369	436	2
3	1185	4332	884	555	684 +	496	352	425	296	559	402	505	3
4	1004	3844	719	552	636	499	412	484	314	563	314	382	4
5	929	2491	713	548	602	502 +	527	525	295 -	567	341	512	5
Tagesmittel	6	859	5359 +	417 -	547	548	346	535	385	571	456	519	6
7	823	4737	473	546	537	326	444	535	446	573 +	467	386	7
8	746	1965	573	544	558	364	495	347	468	385	293 -	402	8
9	692	1541	699	541	575	341	353	324	480	213 -	347	489	9
10	664	791	703	539	516	347	414	272	489	256	358	540	10
11	650	949	664	537	497	336	494	222 -	496	281	440	497	11
12	639	881	652	535	519	380	517	330	504	270	502	310	12
13	630	973	622	533	522	436	522	433	509	307	498	531	13
14	627 -	1035	609	532	509	459	514	485	508	370	483	558	14
Max. +	15	2181	1275	609	531	496	405	508	513	410	412	566	15
16	1700	962	603	599	460	291 -	515	515	517	431	322	573	16
17	912	4228	595	758 +	480	350	326	516	521	356	465	576	17
18	2686	2367	589	652	499	428	436	515	531	402	493	576	18
19	3971 +	1687	587	547	511	451	512	510	519	442	550	576	19
Min. -	20	2895	1127	580	520	433	516	507	373	467	570	575	20
21	1739	901	575	659	525	404	526	507	353	483	576	6662	21
22	1074	1362	572	701	394	370	544	511	445	496	577 +	9517 +	22
23	1206	1346	571	555	425	426	544	517	491	428	521	1853	23
24	1999	1128	590	528	488	468	532	524	508	434	463	1312	24
25	1206	997	568	645	506	485	498	517	517	436	545	919	25
26	799	862	605	551	422	453	550 +	511	524	457	558	830	26
27	798	802	581	527 -	246 -	398	536	506	529	488	570	727	27
28	756	775	507	692	297	383	421	524	535	507	575	856	28
29	716		556	688	397	461	519	533	540	518	576	2453	29
30	691		541	584	458	484	539	538	545 +	527	293 -	945	30
31	678		543		478		543	542		535		737	31
Monatsmittel	1283	1820 +	618	579	498	417 -	475	476	471	446	463	1180	
Maximum	8670	8131	1234	925	780	514 -	559	548	551	575	579	13824 +	
Datum	18.01	17.02	02.03	17.04	03.05	18.06	27.07	02.08	20.09	08.10	22.11	21.12	
Minimum	623 +	613	346	523	221	265	155	142	209	140 -	190	163	
Datum	14.01	10.02	28.03	24.04	27.05	16.06	15.07	10.08	03.09	09.10	30.11	08.12	
Amplitude	8047	7518	888	402	559	249	404	406	342	435	389	13661	
Jahr 2009	Mittel	721		Maximum	13824 (21.Dez)		Minimum	140 (09.Okt)		Amplitude	13684		



Periode	2008 - 2009											
Monatsmittel	1283	1820 +	618	579	498	417 -	475	471	454	456	557	1430
Maximum	8670	8131	1234	925	780	514 -	559	548	572	575	3818	13824 +
Jahr	2009	2009	2009	2009	2009	2009	2009	2009	2008	2009	2008	2009
Minimum	623 +	613	346	523	221	265	155	138	115 -	115 -	190	163
Jahr	2009	2009	2009	2009	2009	2009	2009	2008	2008	2008	2009	2009
Amplitude	8047	7518	888	402	559	249 -	404	406	457	447	3472	13661 +
Jahr	2009	2009	2009	2009	2009	2009	2009	2008	2008	2008	2008	2009
Periode	Mittel	727		Maximum	13824 (21.Dez 2009)		Minimum	115 (14.Sep 2008)		Amplitude	13709	

Darstellung der letzten 2 Jahre



Grundwasserspiegel im Birstal

Station 17.J.1

Birsfelden

Hagnau

OK. Deckel = 256.91

OK. Damm = 257.00 m ü.M.

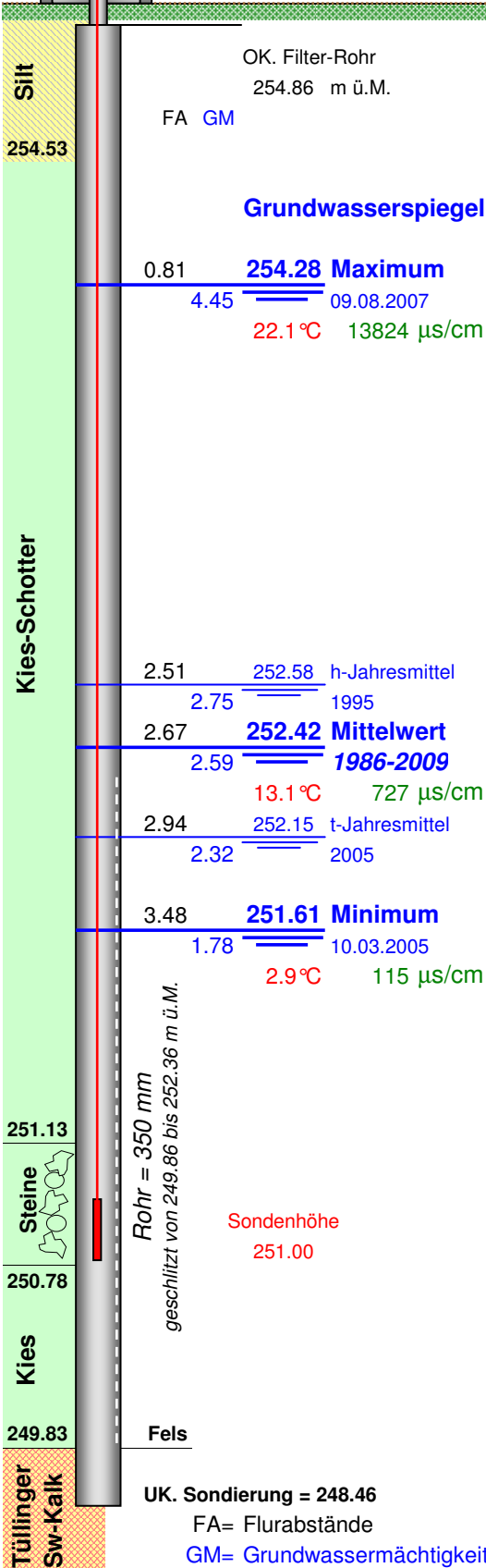
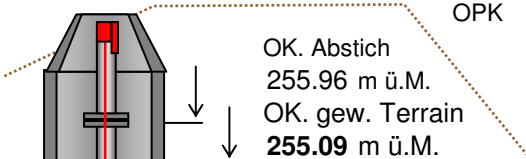
Koordinaten: 613'914.72 / 266'003.83

OPK 201473

Messwerte: Grundwasserspiegel

Temperatur

Leitfähigkeit ab August 2008



Kartenausschnitt Birsfelden



Situationsplan Birsfelden

