

Grundwasserstände



Birstal

Aesch

Abstichpunkt:

OK Terrain:

11.J.15

294.07

293.01

Vers.-Anlage

m ü.M.

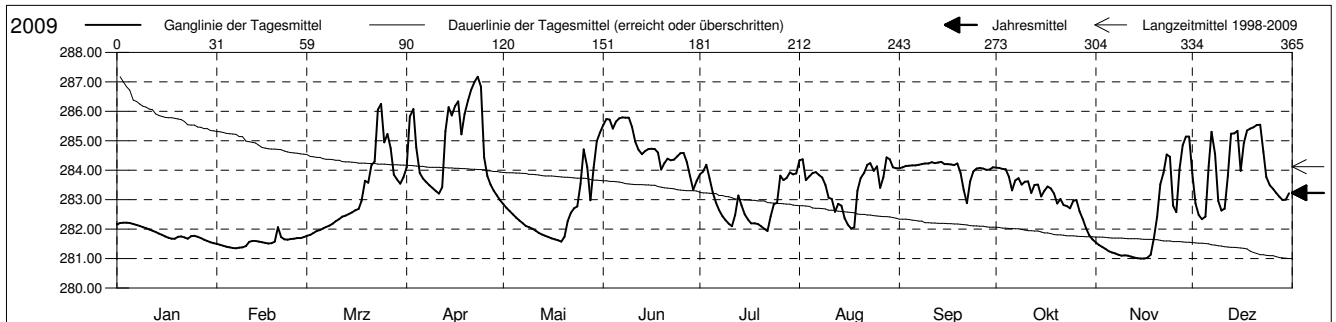
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

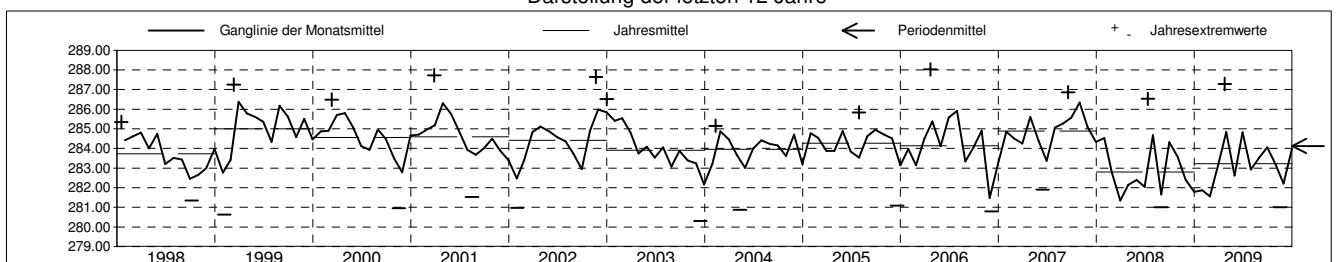
Koordinaten: 612465.69 / 258288.81

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
1	282.16	281.50	281.77 -	284.10	282.84	285.53	283.86	284.34	284.06	284.09 +	281.55	283.89	1	
2	282.21	281.47	281.81	285.83	282.72	285.74	283.95	284.37	284.10	284.08	281.46	282.87	2	
3	282.22 +	281.44	281.87	286.08	282.61	285.72	284.18 +	283.67	284.14	284.04	281.39	282.48	3	
4	282.22 +	281.41	281.94	284.77	282.50	285.41	283.73	283.79	284.15	284.03	281.32	282.33 -	4	
5	282.21	281.38	281.97	283.91	282.40	285.65	283.25	283.90	284.16	283.79	281.26	282.43	5	
Tagesmittel	6	282.18	281.36	282.03	283.72	282.30	285.76	282.91	283.94	284.17	283.31	281.21	284.13	6
7	282.15	281.35 -	282.07	283.59	282.20	285.79 +	282.64	283.84	284.19	283.65	281.17	285.30	7	
8	282.11	281.37	282.12	283.49	282.11	285.78	282.45	283.75	284.20	283.73	281.13	284.55	8	
9	282.07	281.38	282.19	283.39	282.06	285.78	282.31	283.51	284.23	283.51	281.11	282.95	9	
10	282.03	281.43	282.27	283.30	282.01	285.47	282.19	283.07	284.23	283.60	281.11	282.63	10	
11	281.99	281.56	282.34	283.20	281.95	284.96	282.10	283.03	284.27	283.62	281.10	282.70	11	
12	281.95	281.60	282.42	283.43	281.87	284.70	282.48	282.58	284.25	283.23	281.07	283.81	12	
13	281.90	281.59	282.46	285.31	281.82	284.55	283.14	282.86	284.26	283.50	281.04	285.25	13	
14	281.85	281.58	282.51	286.15	281.77	284.66	282.81	282.80	284.29 +	283.51	281.01	285.25	14	
Max. +	15	281.80	281.56	282.57	285.86	281.73	284.72	282.51	282.37	284.21	283.11	281.00 -	285.33	15
16	281.75	281.54	282.65	286.17	281.69	284.73	282.33	282.16	284.21	283.30	281.00 -	283.98	16	
17	281.71	281.52	282.68	286.34	281.65	284.72	282.20	282.02 -	284.20	283.45	281.02	284.93	17	
18	281.67	281.53	282.96	285.22	281.62	284.60	282.20	282.05	284.17	283.38	281.14	285.35	18	
19	281.67	281.58	283.64	285.92	281.58 -	284.02	282.17	283.31	284.23	283.21	281.69	285.41	19	
Min. -	20	281.74	282.07 +	283.57	286.39	281.74	284.24	282.10	283.73	283.92	282.87	282.42	285.46	20
21	281.76	281.73	284.18	286.72	282.27	284.39	282.01	283.91	283.33	283.02	283.52	285.54 +	21	
22	281.72	281.65	284.29	287.00	282.55	284.34	281.93 -	284.19	282.88 -	282.82	283.92	285.54 +	22	
23	281.68	281.64	286.06	287.17 +	282.71	284.36	282.43	284.24	283.62	282.78	284.54	284.63	23	
24	281.76	281.66	286.26 +	286.84	282.78	284.47	282.85	283.98	283.96	282.71	284.46	283.77	24	
25	281.77	281.68	284.95	284.44	283.54	284.58	282.89	284.13	284.05	282.95	282.79	283.49	25	
26	281.74	281.69	285.23	283.81	284.71	284.58	283.82	283.41	284.08	282.99	282.58	283.37	26	
27	281.70	281.70	284.75	283.52	284.11	284.28	283.66	283.76	284.05	282.59	284.03	283.23	27	
28	281.64	281.73	283.85	283.31	282.98	283.81	283.74	284.44 +	284.01	282.34	284.84	283.10	28	
29	281.60		283.68	283.14	284.09	283.33 -	283.93	284.38	284.02	282.03	285.15 +	282.99	29	
30	281.56		283.55	282.98 -	284.99	283.64	283.86	284.10	284.10	281.80	285.15 +	283.00	30	
31	281.52 -		283.76		285.28 +		283.90	284.06		281.66 -		283.22	31	
Monatsmittel	281.87	281.56 -	283.17	284.84 +	282.62	284.81	282.92	283.54	284.06	283.19	282.21	283.96		
Maximum	282.22	282.19 -	286.78	287.28 +	285.42	285.89	284.27	284.79	284.31	284.15	285.44	285.87		
Datum	04.01	20.02	24.03	24.04	31.05	03.06	03.07	28.08	14.09	02.10	30.11	22.12		
Amplitude	0.72	0.84	5.03	4.37	3.90	2.67	2.37	2.92	1.56	2.55	4.44	3.67		
Jahr 2009	Mittel	283.23 m ü.M.	Maximum	287.28 (24.Apr)	Minimum	280.99 (16.Nov)	Amplitude	6.29 m						



Periode	1998 - 2009											
Monatsmittel	283.98	284.02	284.44	284.69 +	284.29	284.11	284.22	283.98	284.21	284.15	283.73	283.67 -
Maximum	286.51	286.31 -	287.72	288.03 +	287.13	287.11	286.99	286.94	286.86	287.20	287.64	287.57
Jahr	2003	2000	2001	2006	1999	2006	1999	1999	2007	2002	2002	2002
Minimum	280.85	280.62	281.20	281.45 +	280.87	281.27	281.31	280.97	280.94	281.35	280.87	280.30 -
Jahr	1999	1999	2008	2008	2004	2008	2005	2003	2003	1998	2006	2003
Amplitude	3.38 -	5.61 +	5.03	4.51	4.16	4.14	4.57	3.74	4.02	4.44	4.44	4.62
Jahr	1999	1999	2009	2006	2007	2007	1999	2001	2006	2002	2009	2006
Periode	Mittel	284.12 m ü.M.	Maximum	288.03 (22.Apr 2006)	Minimum	280.30 (16.Dez 2003)	Amplitude	7.73 m				

Darstellung der letzten 12 Jahre



Grundwassertemperatur



Birstal

Aesch

Abstichpunkt:

OK Terrain:

11.J.15

294.07

293.01

Vers.-Anlage

m ü.M.

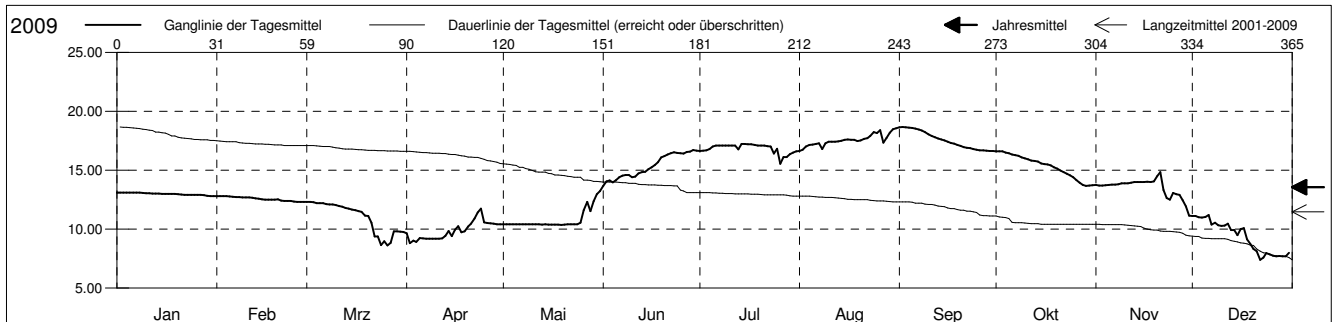
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

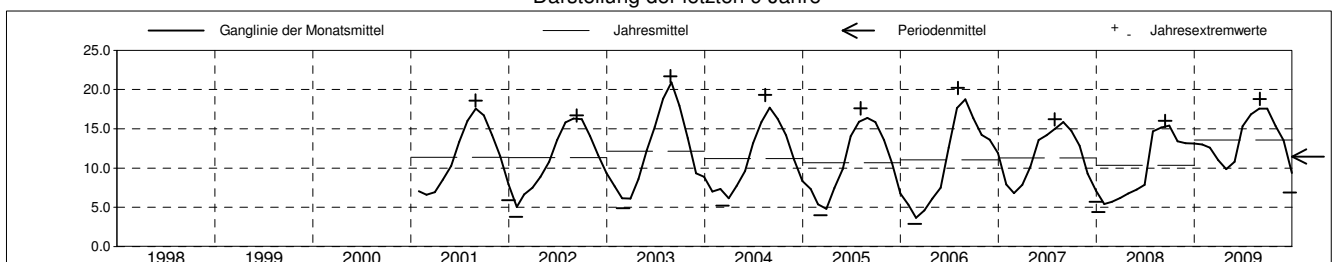
Koordinaten: 612465.69 / 258288.81

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	13.1 +	12.8 +	12.3 +	9.7	10.4 -	13.7 -	16.6	16.6 -	18.6	16.6 +	13.8	11.1	1
2	13.1 +	12.8 +	12.3 +	8.8 -	10.4 -	14.0	16.7	16.8	18.7 +	16.6 +	13.7	11.1	2
3	13.1 +	12.8 +	12.3 +	9.0	10.4 -	14.1	16.7	17.0	18.6	16.6 +	13.7	11.0	3
4	13.1 +	12.8 +	12.2	8.9	10.4 -	14.0	16.8	17.2	18.6	16.5	13.7	11.0	4
5	13.1 +	12.8 +	12.2	9.3	10.4 -	14.2	17.0	17.2	18.6	16.5	13.8	11.0	5
Tagesmittel													
6	13.1 +	12.8 +	12.2	9.2	10.4 -	14.4	17.1	17.2	18.5	16.3	13.8	11.2 +	6
7	13.1 +	12.7	12.1	9.2	10.4 -	14.6	17.1	17.3	18.5	16.3	13.8	10.4	7
8	13.1 +	12.7	12.1	9.2	10.4 -	14.6	17.1	16.8	18.4	16.2	13.8	10.5	8
9	13.1 +	12.7	12.1	9.2	10.4 -	14.6	17.1	17.3	18.2	16.1	13.9	10.3	9
10	13.1 +	12.7	12.1	9.2	10.4 -	14.4	17.1	17.4	18.0	16.0	13.9	10.3	10
11	13.0	12.7	12.0	9.2	10.4 -	14.5	17.1	17.4	17.9	15.9	13.9	10.3	11
12	13.0	12.7	11.9	9.2	10.4 -	14.7	17.1	17.4	17.8	15.8	13.9	10.5	12
13	13.0	12.6	11.8	9.4	10.4 -	14.8	16.8	17.4	17.7	15.8	14.0	9.9	13
14	13.0	12.6	11.8	9.8	10.4 -	14.9	17.2 +	17.5	17.6	15.7	14.0	9.9	14
15	13.0	12.5	11.7	9.4	10.4 -	15.1	17.2 +	17.6	17.5	15.6	14.0	9.5	15
Max. +													
16	13.0	12.5	11.6	9.9	10.4 -	15.3	17.2 +	17.6	17.4	15.5	14.0	10.0	16
17	13.0	12.5	11.5	10.3	10.4 -	15.4	17.2 +	17.6	17.3	15.5	14.0	10.1	17
18	13.0	12.5	11.5	9.7	10.4 -	15.7	17.1	17.6	17.3	15.4	14.0	9.1	18
19	13.0	12.5	11.1	9.8	10.4 -	16.1	17.1	17.5	17.2	15.3	14.1	8.8	19
20	13.0	12.5	11.1	10.2	10.4 -	16.2	17.1	17.5	17.1	15.1	14.5	8.3	20
Min. -													
21	12.9	12.4	10.6	10.5	10.4 -	16.3	17.1	17.7	17.0	15.0	14.8 +	8.1	21
22	12.9	12.4	9.4	10.9	10.4 -	16.4	17.0	17.7	16.9	14.8	13.3	7.4 -	22
23	12.9	12.4	9.4	11.4	10.4 -	16.5	17.0	17.9	16.9	14.7	12.6	7.6	23
24	12.9	12.4	8.6 -	11.7 +	10.4 -	16.5	16.4	18.2	16.8	14.6	12.5	8.0	24
25	12.9	12.4	9.0	10.6	10.6	16.5	16.8	18.2	16.7	14.4	13.1	7.8	25
26	12.9	12.3 -	8.6 -	10.5	11.6	16.4	15.5 -	18.4	16.7	14.2	13.0	7.8	26
27	12.9	12.3 -	8.8	10.5	12.3	16.6	16.1	17.4	16.7	14.0	12.9	7.7	27
28	12.9	12.3 -	9.8	10.5	11.5	16.6	16.1	17.7	16.7	13.8	12.4	7.7	28
29	12.8 -		9.8	10.4	12.4	16.7 +	16.4	18.2	16.6 -	13.7 -	11.9	7.7	29
30	12.8 -		9.8	10.4	13.0	16.7 +	16.5	18.5	16.6 -	13.7 -	11.1 -	7.7	30
31	12.8 -		9.7		13.2 +		16.6	18.6 +		13.7 -		8.0	31
Monatsmittel	13.0	12.6	11.0	9.9	10.8	15.3	16.8	17.6 +	17.6 +	15.3	13.5	9.4 -	
Maximum	13.1	12.8	12.3	11.9	13.4	16.8	17.3	18.6	18.8 +	16.7	15.4	11.7 -	
Datum	01.01	01.02	01.03	24.04	31.05	29.06	14.07	30.08	01.09	01.10	20.11	01.12	
Minimum	12.8	12.3	8.2	8.5	10.3	13.4	15.1	16.4	16.6 +	13.6	10.7	6.9 -	
Datum	28.01	25.02	27.03	04.04	13.05	01.06	26.07	08.08	28.09	29.10	30.11	23.12	
Amplitude	0.3	0.5	4.1	3.4	3.1	3.4	2.2	2.2	2.2	3.1	4.7	4.8	
Jahr 2009	Mittel	13.6 °C		Maximum	18.8 (01.Sep)		Minimum	6.9 (23.Dez)		Amplitude		11.9 °C	



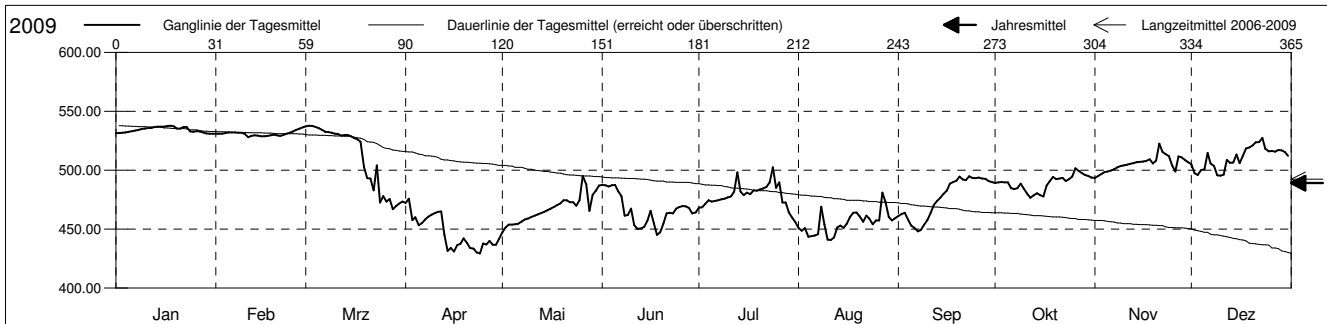
2001 - 2009																
Monatsmittel	7.3	6.8	-	6.8	-	8.2	10.2	13.3	16.3	17.4	+	16.3	13.9	11.5	9.2	
Maximum	13.1	12.8		12.3	-	12.7	14.5	18.4	20.2	21.7	+	21.6	16.7	15.4	14.4	
Jahr	2009	2009		2009		2007	2007	2003	2003	2003		2003	2009	2009	2006	
Minimum	3.3	2.9	-	3.5		4.8	6.7	7.4	11.2	14.7	+	13.4	10.5	6.9	5.3	
Jahr	2006	2006		2006		2006	2006	2008	2008	2008		2007	2003	2005	2005	
Amplitude	6.2	4.1		4.1		4.6	5.1	6.4	5.0	3.6	-	5.2	6.0	5.9	7.2	
Jahr	2002	2002		2009		2007	2004	2006	2005	2006		2003	2003	2005	2006	
Periode	Mittel	11.5 °C				Maximum	21.7 (26.Aug 2003)		Minimum	2.9 (23.Feb 2006)				Amplitude	18.8 °C	

Darstellung der letzten 9 Jahre



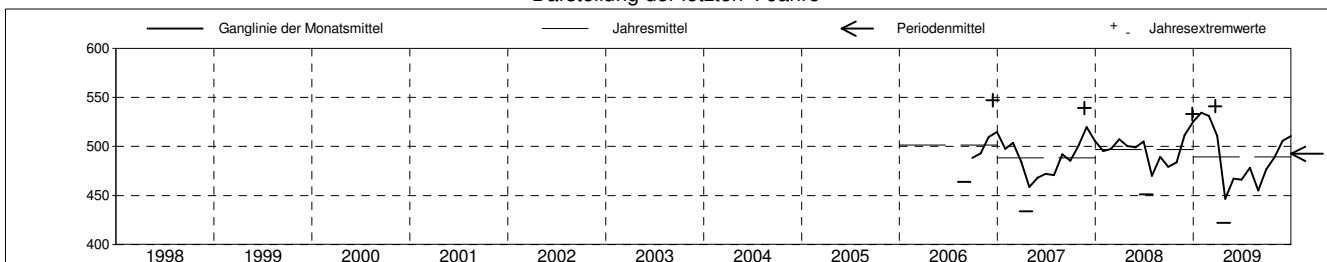


2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	532	531	537	472	447 -	487	468	451	461	489	494 -	505	1
2	532	531	538 +	476 +	451	487	468	449	463	490	495	498	2
3	532	531	538 +	458	454	486	471	451	464	490	497	496	3
4	532	532	537	460	454	487	474	444	458	490	499	500	4
5	533	532	536	453	454	488 +	473	444	453	490	499	501	5
Tagesmittel	533	532	534	455	455	482	474	445	451	485	500	515	6
6	534	532	533	458	457	478	475	446	448 -	484	501	506	7
7	534	532	532	461	458	462	475	469	449	485	503	504	8
8	535	532	532	462	459	462	476	454	454	489	504	496	9
9	535	531	531	464	460	467	477	441 -	458	484	504	495 -	10
10	536	528 -	531	465	462	453	478	441 -	464	480	505	496	11
11	536	529	529	465	463	450	482	443	471	477 -	506	509	12
12	537	530	530	445	464	451	498	451	474	479	506	506	13
13	537	529	530	432	465	452	482	453	477	481	507	506	14
14	537	529	529	434	466	457	479	451	480	479	507	513	15
Max. +	537	529	527	431	468	465	481	455	483	478	508	506	16
16	538 +	529	526	437	469	455	480	460	489	487	508	512	17
17	538 +	530	524	437	470	445 -	483	464	490	491	509	518	18
18	537	530	502	442	472	447	483	464	491	494	506	519	19
19	535	530	493	438	474	455	484	461	495 +	493	508	521	20
Min. -	535	529	493	434	474	463	485	456	492	493	523 +	524	21
21	537	530	483	434	473	464	486	462	492	494	515	524	22
22	537	531	504	430	473	463	490	459	495 +	491	514	527 +	23
23	533	532	473	429 -	470	468	503 +	454	494	493	512	518	24
24	533	533	478	438	474	469	485	457	493	495	504	516	25
25	533	534	473	437	495 +	470	490	457	494	502 +	499	516	26
26	533	535	476	440	488	469	473	481 +	493	499	512	516	27
27	532	536 +	467 -	437	466	468	473	473	493	497	511	517	28
28	531 -		469	437	479	463	464	460	491	496	509	517	29
29	531 -		472	442	483	464	460	457	490	495	507	516	30
30	531 -		473		487		456 -	459		494		512	31
31													
Monatsmittel	534 +	531	511	447 -	467	466	478	455	477	489	506	511	
Maximum	538	537	541 +	486 -	499	491	523	492	499	504	527	531	
Datum	16.01	28.02	23.03	01.04	26.05	01.06	24.07	27.08	23.09	26.10	20.11	23.12	
Minimum	526 +	523	466	422 -	443	443	450	439	445	475	493	490	
Datum	25.01	11.02	28.03	23.04	01.05	18.06	31.07	10.08	07.09	16.10	01.11	09.12	
Amplitude	12	14	75	64	56	48	73	53	54	29	34	41	
Jahr 2009	Mittel	489	Maximum	541 (23.Mrz)	Minimum	422 (23.Apr)	Amplitude	119					



Periode	2006 - 2009											
Monatsmittel	509	511	501	469 -	478	481	473	479	482	492	512	514 +
Maximum	538	537	541	511	505 -	514	523	522	528	524	539	547 +
Jahr	2009	2009	2009	2008	2007	2008	2009	2007	2007	2007	2007	2006
Minimum	477	485	466	422 -	443	443	447	439	445	469	493 +	490
Jahr	2007	2007	2009	2009	2009	2009	2007	2009	2009	2008	2009	2009
Amplitude	53	42	75 +	69	56	48	73	75 +	68	48	34 -	53
Jahr	2007	2007	2009	2007	2009	2009	2009	2007	2007	2007	2009	2006
Periode	Mittel	492	Maximum	547 (14.Dez 2006)	Minimum	422 (23.Apr 2009)	Amplitude	125				

Darstellung der letzten 4 Jahre



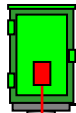
Grundwasserspiegel im Birstal

Station 11.J.15 Aesch

Versickerungsanlage

OPK 190956

Koordinaten: 612'465.67 / 258'288.81



OK. Abstich
294.07 m ü.M.

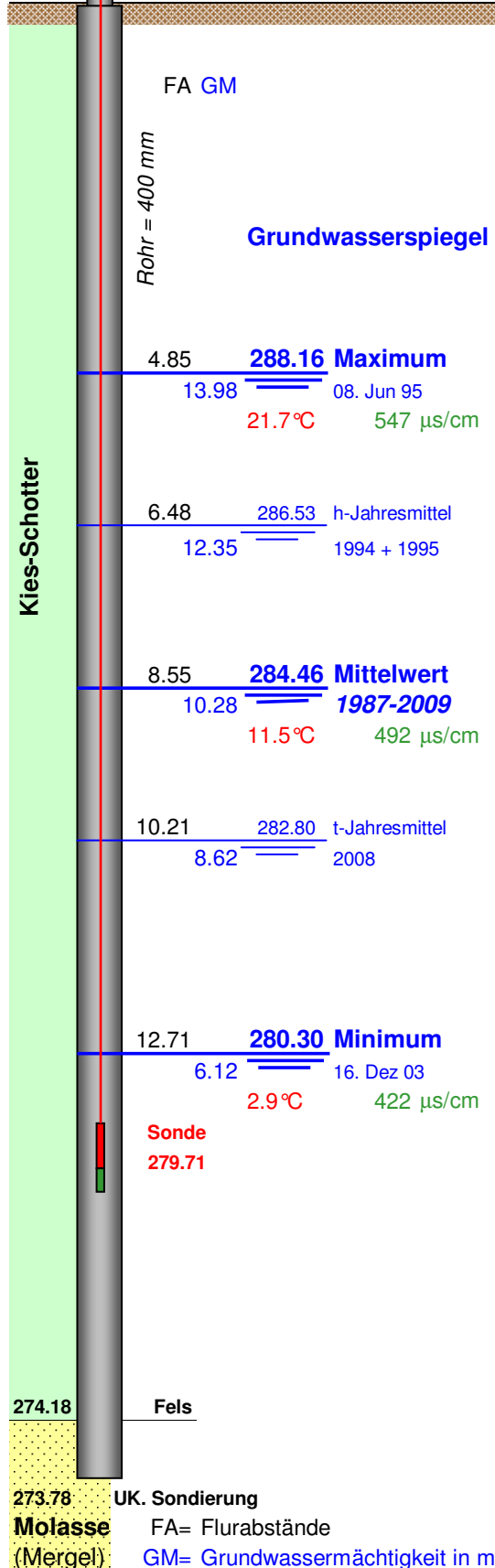
OK. Terrain
293.01 m ü.M.

Messwerte

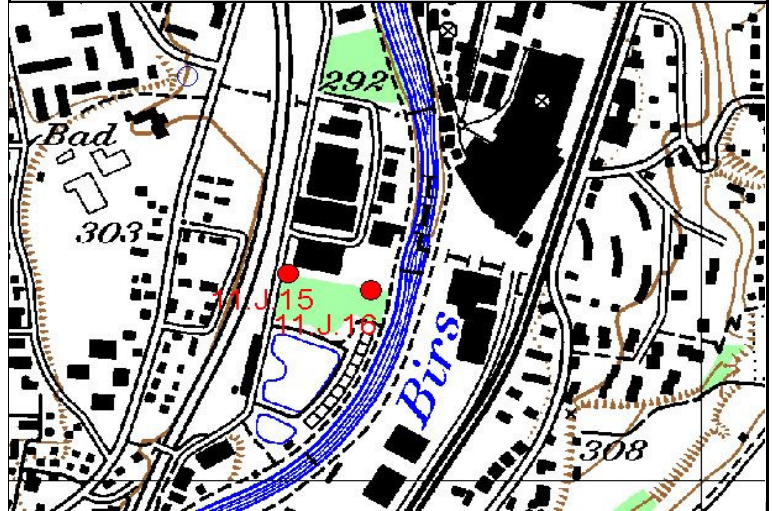
Grundwasserspiegel

Temperatur

Leitfähigkeit (ab Aug 2006)



Kartenausschnitt Aesch



Situationsplan Aesch

