

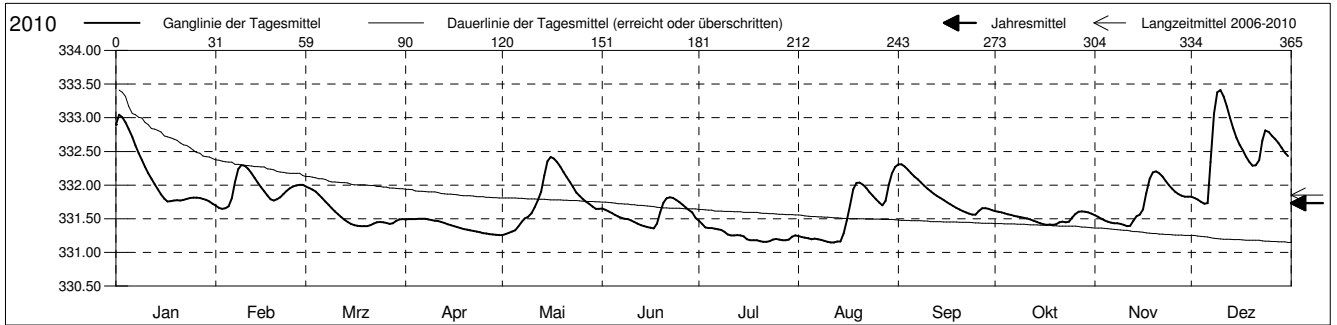
Grundwasserstände



Frenketal
 Liestal 39.J.14 Gräubern
 Abstichpunkt: 339.49 m ü.M.
 OK Terrain: 339.70 m ü.M.

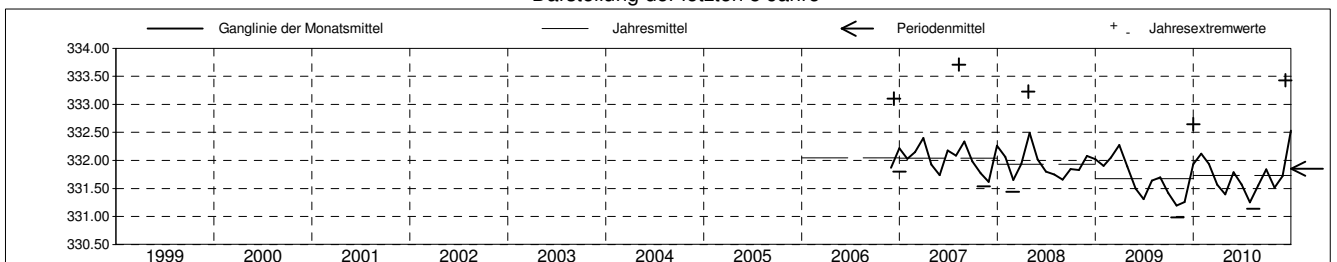
Amt für Umweltschutz und Energie
 Kanton Basel-Landschaft
 Koordinaten: 622947.00 / 257940.00

2010	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	332.90	331.69	331.98 +	331.49	331.26 -	331.65	331.47 +	331.24	332.31 +	331.61 +	331.55	331.83	1
2	333.04 +	331.66	331.96	331.49	331.27	331.63	331.42	331.23	332.31 +	331.60	331.53	331.81	2
3	333.01	331.65 -	331.93	331.49	331.29	331.61	331.37	331.22	332.27	331.59	331.50	331.79	3
4	332.93	331.66	331.90	331.50 +	331.31	331.58	331.36	331.21	332.23	331.58	331.47	331.75	4
5	332.83	331.68	331.85	331.50 +	331.33	331.56	331.36	331.20	332.18	331.57	331.45	331.72 -	5
Tagesmittel													
6	332.72	331.80	331.81	331.50 +	331.39	331.53	331.35	331.20	332.13	331.56	331.44	331.73	6
7	332.59	332.05	331.76	331.50 +	331.45	331.51	331.34	331.20	332.08	331.54	331.43	332.34	7
8	332.48	332.24	331.71	331.49	331.50	331.50	331.33	331.18	332.04	331.53	331.43	333.06	8
9	332.37	332.30 +	331.66	331.48	331.53	331.50	331.31	331.17	331.99	331.52	331.42	333.38	9
10	332.27	332.28	331.61	331.47	331.58	331.48	331.27	331.16	331.95	331.52	331.41	333.41 +	10
11	332.17	332.24	331.57	331.47	331.67	331.45	331.25	331.15 -	331.91	331.50	331.39 -	333.32	11
12	332.09	332.18	331.52	331.45	331.78	331.43	331.25	331.15 -	331.87	331.49	331.39 -	333.17	12
13	332.01	332.11	331.49	331.44	331.90	331.40	331.26	331.16	331.84	331.47	331.39	333.00	13
14	331.93	332.04	331.45	331.42	332.14	331.39	331.25	331.16	331.81	331.45	331.54	332.84	14
15	331.86	331.97	331.42	331.40	332.36	331.38	331.24	331.28	331.78	331.43	331.56	332.70	15
Max. +													
16	331.80	331.91	331.40	331.39	332.42 +	331.36 -	331.20	331.48	331.75	331.42	331.63	332.60	16
17	331.75	331.85	331.40	331.37	332.39	331.36 -	331.18	331.70	331.72	331.41 -	331.88	332.52	17
18	331.76	331.79	331.39 -	331.36	332.34	331.43	331.18	331.94	331.69	331.41 -	332.10	332.42	18
19	331.77	331.77	331.39 -	331.35	332.27	331.59	331.18	332.03	331.66	331.41 -	332.19	332.34	19
20	331.77	331.79	331.39 -	331.34	332.19	331.74	331.17	332.04	331.64	331.42	332.20 +	332.29	20
Min. -													
21	331.77	331.82	331.40	331.33	332.12	331.80	331.16 -	332.00	331.61	331.44	332.18	332.30	21
22	331.78	331.87	331.43	331.32	332.05	331.82 +	331.16 -	331.95	331.59	331.46	332.13	332.37	22
23	331.79	331.91	331.45	331.31	331.97	331.81	331.17	331.90	331.57	331.45	332.06	332.66	23
24	331.81	331.95	331.45	331.30	331.89	331.78	331.19	331.84	331.56 -	331.46	332.00	332.81	24
25	331.81	331.98	331.45	331.29	331.84	331.75	331.20	331.79	331.56 -	331.52	331.95	332.79	25
26	331.81	332.00	331.44	331.28	331.80	331.71	331.19	331.74	331.61	331.57	331.90	332.73	26
27	331.81	332.00	331.43	331.27	331.75	331.67	331.18	331.70	331.66	331.60	331.86	332.68	27
28	331.80	332.00	331.43	331.27	331.72	331.63	331.18	331.76	331.66	331.61 +	331.84	332.63	28
29	331.78		331.47	331.26 -	331.68	331.59	331.19	332.00	331.65	331.61 +	331.83	332.55	29
30	331.76		331.49	331.26 -	331.65	331.51	331.23	332.18	331.63	331.59	331.83	332.49	30
31	331.73 -		331.49		331.65		331.25	332.27 +		331.57		332.43	31
Monatsmittel	332.12	331.94	331.56	331.39	331.79	331.57	331.25 -	331.56	331.84	331.51	331.72	332.53 +	
Maximum	333.05	332.30	331.99	331.50	332.42	331.82	331.48 -	332.29	332.31	331.62	332.20	333.43 +	
Datum	02.01	09.02	01.03	06.04	16.05	22.06	01.07	31.08	01.09	01.10	20.11	10.12	
Amplitude	1.34	0.66	0.60	0.25	1.17	0.47	0.32	1.15	0.75	0.21	0.82	1.72	
Jahr 2010	Mittel	331.73 m ü.M.		Maximum	333.43 (10.Dez)		Minimum	331.14 (12.Aug)		Amplitude	2.29 m		



Periode	2006 - 2010												
Monatsmittel	332.03	331.95	332.05	331.92	331.76	331.71	331.68	331.81	331.77	331.58 -	331.71	332.19 +	
Maximum	333.05	332.56	333.06	333.23	332.57	332.68	332.42 -	333.71 +	332.47	333.01	333.02	333.43	
Jahr	2010	2007	2007	2008	2008	2007	2007	2007	2008	2008	2008	2010	
Minimum	331.67 +	331.44	331.39	331.26	331.25	331.25	331.15	331.14	331.30	331.01	330.98 -	331.34	
Jahr	2009	2008	2010	2010	2010	2009	2009	2010	2009	2009	2009	2009	
Amplitude	1.34	0.77 -	1.07	1.29	1.17	0.83	1.25	1.90 +	0.93	1.33	1.25	1.72	
Jahr	2010	2009	2007	2008	2010	2007	2009	2007	2008	2008	2008	2010	
Periode	Mittel	331.85 m ü.M.		Maximum	333.71 (10.Aug 2007)		Minimum	330.98 (02.Nov 2009)		Amplitude	2.72 m		

Darstellung der letzten 5 Jahre



Grundwassertemperatur



Frenketal

Liestal

Abstichpunkt:

OK Terrain:

39.J.14

339.49

339.70

Gräubern

m ü.M.

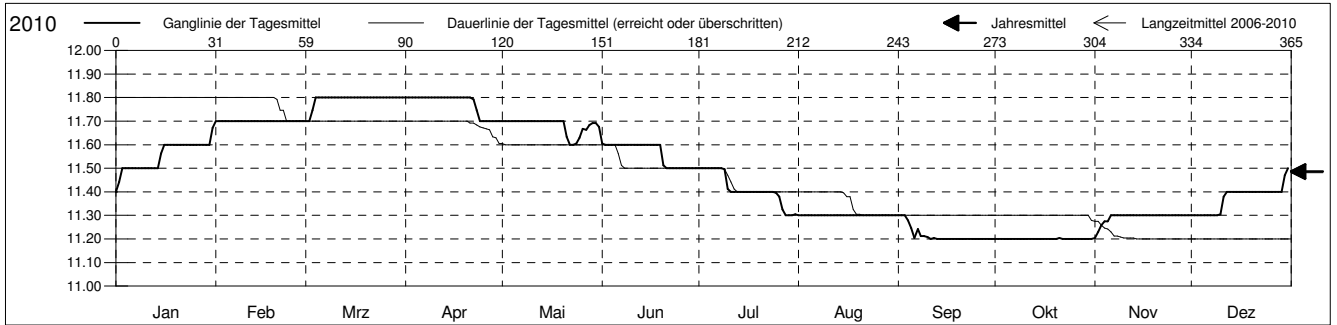
m ü.M.

Amt für Umweltschutz und Energie

Kanton Basel-Landschaft

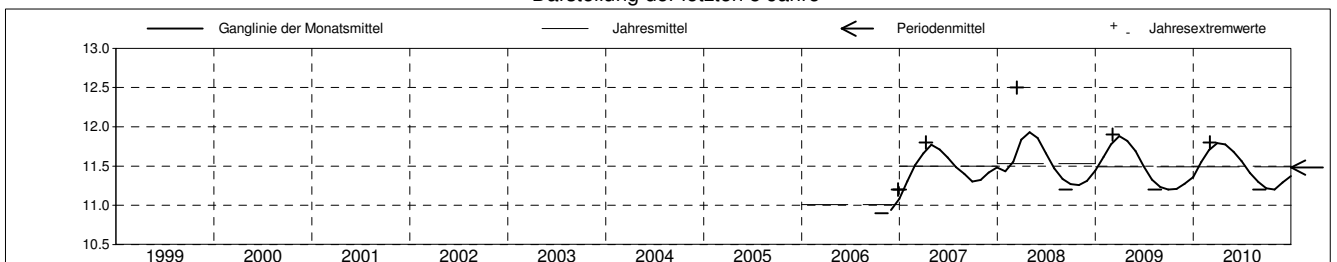
Koordinaten: 622947.00 / 257940.00

2010	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	11.4 -	11.7 +	11.7 -	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.3 +	11.2 +	11.2 -	11.3 -	1
2	11.4 -	11.7 +	11.7 -	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.3 +	11.2 +	11.2 -	11.3 -	2
3	11.5	11.7 +	11.7 -	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.3 +	11.2 +	11.3 +	11.3 -	3
4	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.3 +	11.2 +	11.3 +	11.3 -	4
5	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.2 -	11.2 +	11.3 +	11.3 -	5
Tagesmittel													
6	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.2 -	11.2 +	11.3 +	11.3 -	6
7	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.2 -	11.2 +	11.3 +	11.3 -	7
8	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.2 -	11.2 +	11.3 +	11.3 -	8
9	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.5 +	11.3 +	11.2 -	11.2 +	11.3 +	11.3 -	9
10	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.3 -	10
11	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	11
12	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	12
13	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	13
14	11.5	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	14
15	11.6	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	15
Max. +													
16	11.6	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	16
17	11.6	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	17
18	11.6	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	18
19	11.6	11.7 +	11.8 +	11.8 +	11.7 +	11.6 +	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	19
20	11.6	11.7 +	11.8 +	11.8 +	11.7 +	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	20
Min. -													
21	11.6	11.7 +	11.8 +	11.8 +	11.6 -	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	21
22	11.6	11.7 +	11.8 +	11.8 +	11.6 -	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	22
23	11.6	11.7 +	11.8 +	11.7 -	11.6 -	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	23
24	11.6	11.7 +	11.8 +	11.7 -	11.6 -	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	24
25	11.6	11.7 +	11.8 +	11.7 -	11.6 -	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	25
26	11.6	11.7 +	11.8 +	11.7 -	11.7 +	11.5 -	11.4	11.3 +	11.2 -	11.2 +	11.3 +	11.4	26
27	11.6	11.7 +	11.8 +	11.7 -	11.7 +	11.5 -	11.3 -	11.3 +	11.2 -	11.2 +	11.3 +	11.4	27
28	11.6	11.7 +	11.8 +	11.7 -	11.7 +	11.5 -	11.3 -	11.3 +	11.2 -	11.2 +	11.3 +	11.4	28
29	11.6		11.8 +	11.7 -	11.7 +	11.5 -	11.3 -	11.3 +	11.2 -	11.2 +	11.3 +	11.4	29
30	11.6		11.8 +	11.7 -	11.7 +	11.5 -	11.3 -	11.3 +	11.2 -	11.2 +	11.3 +	11.5 +	30
31	11.7 +		11.8 +		11.7 +		11.3 -	11.3 +		11.2 +		11.5 +	31
Monatsmittel	11.6	11.7	11.8 +	11.8 +	11.7	11.6	11.4	11.3	11.2 -	11.2 -	11.3	11.4	
Maximum	11.7	11.7	11.8 +	11.8 +	11.7	11.7	11.5	11.3 -	11.3 -	11.3 -	11.3 -	11.5	
Datum	31.01	01.02	03.03	01.04	01.05	01.06	01.07	01.08	01.09	21.10	01.11	30.12	
Minimum	11.4	11.7 +	11.7 +	11.7 +	11.6	11.5	11.3	11.3	11.2 -	11.2 -	11.2 -	11.3	
Datum	01.01	01.02	01.03	22.04	21.05	20.06	25.07	01.08	04.09	01.10	01.11	01.12	
Amplitude	0.3	0.0 +	0.1	0.1	0.1	0.2	0.2	0.0 +	0.1	0.1	0.1	0.2	
Jahr 2010	Mittel	11.5 °C		Maximum	11.8 (03.Mrz)		Minimum	11.2 (04.Sep)		Amplitude	0.6 °C		



Periode	2006 - 2010												
Monatsmittel	11.5	11.6	11.8 +	11.8 +	11.7	11.6	11.4	11.3	11.2 -	11.2 -	11.2 -	11.3	
Maximum	11.7	11.8	12.5 +	12.0	11.9	11.8	11.6	11.4 -	11.4 -	11.4 -	11.5	11.5	
Jahr	2008	2009	2008	2008	2008	2008	2008	2007	2007	2007	2007	2007	
Minimum	11.2	11.4	11.6 +	11.6 +	11.6 +	11.4	11.3	11.2	11.2	10.9 -	10.9 -	11.0	
Jahr	2007	2007	2007	2008	2009	2009	2009	2009	2008	2006	2006	2006	
Amplitude	0.4	0.3	0.9 +	0.4	0.2	0.2	0.2	0.1 -	0.2	0.1 -	0.1 -	0.2	
Jahr	2008	2008	2008	2008	2009	2009	2008	2009	2009	2008	2006	2006	
Periode	Mittel	11.5 °C		Maximum	12.5 (13.Mrz 2008)		Minimum	10.9 (25.Okt 2006)		Amplitude	1.6 °C		

Darstellung der letzten 5 Jahre



Grundwasserspiegel im Frenketal

Station 39.J.14 Liestal
Opm 214843

Gräubern
Koordinaten: 622'947 / 257'940

Messwerte: Grundwasserspiegel
Temperatur (ab Okt. 2006)

OK. Abstich
339.49 m ü.M.
OK. Terrain
339.70 m ü.M.

