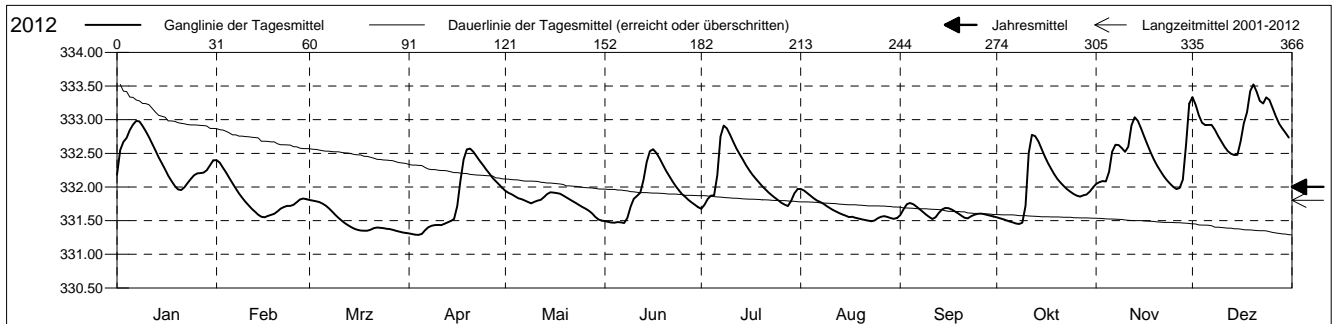


**Grundwasserstände**

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

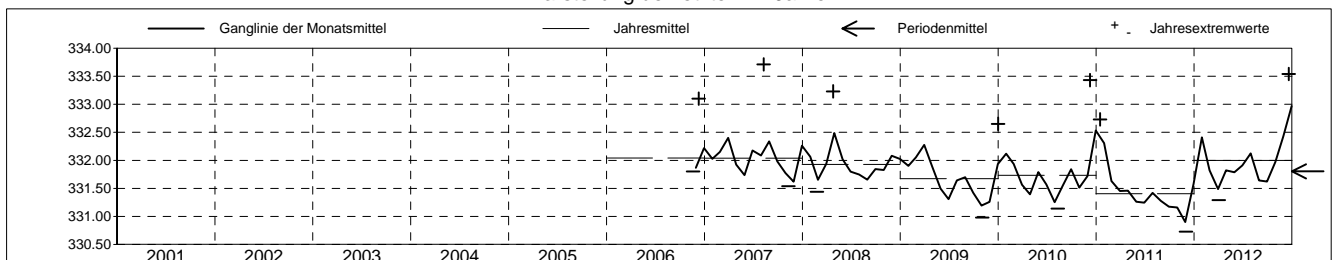
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
Koordinaten: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	332.18	332.40 +	331.81 +	331.31	331.94 +	331.49	331.68 -	331.97 +	331.58	331.55	332.04	333.34	1
2	332.55	332.36	331.80	331.30	331.91	331.48	331.74	331.95	331.67	331.54	332.07	333.22	2
3	332.67	332.29	331.79	331.29 -	331.89	331.47 -	331.82	331.91	331.74	331.52	332.09	333.06	3
4	332.73	332.21	331.78	331.29 -	331.86	331.47 -	331.87	331.87	331.76 +	331.51	332.08	332.96	4
5	332.85	332.13	331.76	331.30	331.83	331.48	331.88	331.83	331.75	331.49	332.23	332.92	5
Tagesmittel													
6	332.93	332.05	331.72	331.36	331.82	331.47 -	332.18	331.80	331.71	331.47	332.52	332.92	6
7	332.98 +	331.98	331.68	331.40	331.80	331.47 -	332.75	331.78	331.67	331.46	332.63	332.92	7
8	332.97	331.91	331.64	331.42	331.78	331.54	332.91 +	331.75	331.63	331.45 -	332.62	332.85	8
9	332.91	331.84	331.59	331.43	331.76	331.71	332.87	331.72	331.59	331.47	332.58	332.75	9
10	332.83	331.78	331.54	331.44	331.78	331.83	332.78	331.69	331.56	331.72	332.52	332.68	10
11	332.74	331.73	331.50	331.43	331.80	331.87	332.67	331.66	331.52 -	332.50	332.60	332.60	11
12	332.64	331.68	331.46	331.45	331.81	331.92	332.57	331.63	331.55	332.78 +	332.91	332.53	12
13	332.54	331.63	331.43	331.48	331.85	332.11	332.48	331.62	331.62	332.76	333.04	332.50	13
14	332.44	331.59	331.40	331.50	331.90	332.37	332.40	331.59	331.67	332.68	332.98	332.47 -	14
15	332.35	331.56	331.38	331.52	331.92	332.53	332.32	331.57	331.69	332.57	332.87	332.48	15
Max. +													
16	332.26	331.55 -	331.36	331.72	331.92	332.56 +	332.25	331.55	331.69	332.46	332.75	332.68	16
17	332.17	331.57	331.35	332.10	331.91	332.50	332.18	331.56	331.67	332.36	332.63	332.95	17
18	332.09	331.59	331.35	332.41	331.90	332.43	332.12	331.54	331.64	332.27	332.51	333.11	18
19	332.02	331.60	331.35	332.56	331.87	332.34	332.07	331.53	331.61	332.19	332.41	333.42	19
20	331.96	331.64	331.37	332.57 +	331.85	332.25	332.01	331.52	331.58	332.12	332.32	333.53 +	20
Min. -													
21	331.95 -	331.68	331.39	332.53	331.82	332.17	331.96	331.51	331.54	332.06	332.24	333.42	21
22	331.99	331.70	331.40	332.46	331.79	332.09	331.92	331.50	331.53	332.01	332.16	333.28	22
23	332.06	331.72	331.39	332.39	331.76	332.02	331.88	331.49 -	331.56	331.96	332.10	333.24	23
24	332.12	331.72	331.39	332.33	331.73	331.95	331.84	331.50	331.59	331.93	332.05	333.33	24
25	332.17	331.74	331.38	332.26	331.70	331.90	331.80	331.54	331.60	331.90	332.00	333.29	25
26	332.20	331.77	331.37	332.20	331.68	331.85	331.77	331.56	331.61	331.87	331.97 -	333.17	26
27	332.21	331.82	331.36	332.14	331.65	331.81	331.74	331.57	331.60	331.86	331.99	333.05	27
28	332.21	331.83	331.35	332.09	331.61	331.77	331.72	331.56	331.59	331.88	332.11	332.94	28
29	332.25	331.82	331.34	332.04	331.56	331.73	331.79	331.54	331.57	331.89	332.63	332.87	29
30	332.33		331.32 -	331.99	331.52	331.70	331.91	331.53	331.56	331.93	333.24 +	332.80	30
31	332.39		331.32 -		331.50 -		331.97	331.54		331.99		332.73	31
Monatsmittel	332.41	331.82	331.49 -	331.82	331.79	331.91	332.12	331.64	331.62	331.97	332.43	332.97 +	
Maximum	333.00	332.41	331.81	332.58	331.97	332.57	332.92	331.98	331.77 -	332.79	333.35	333.54 +	
Datum	07.01	01.02	01.03	19.04	01.05	15.06	08.07	01.08	04.09	12.10	30.11	20.12	
Amplitude	1.05	0.87	0.50	1.29	0.47	1.11	1.25	0.49	0.26	1.34	1.39	1.08	
Jahr 2012	Mittel	332.00 m ü.M.		Maximum	333.54 (20.Dez)			Minimum	331.29 (03.Apr)			Amplitude	2.25 m



Periode	2001 - 2012												
Monatsmittel	332.14	331.87	331.85	331.83	331.68	331.67	331.71	331.69	331.65	331.57 -	331.70	332.22 +	
Maximum	333.05	332.56	333.06	333.23	332.57	332.68	332.92	333.71 +	332.47 -	333.01	333.35	333.54	
Jahr	2010	2007	2007	2008	2008	2007	2012	2007	2008	2008	2012	2012	
Minimum	331.67 +	331.44	331.31	331.26	331.11	331.12	331.15	331.14	331.10	331.01	330.75	330.73 -	
Jahr	2009	2008	2012	2010	2011	2011	2009	2010	2011	2009	2011	2011	
Amplitude	1.34	0.87 -	1.07	1.29	1.17	1.11	1.25	1.90 +	0.94	1.34	1.39	1.72	
Jahr	2010	2012	2007	2012	2010	2012	2009	2007	2008	2012	2012	2010	
Periode	Mittel	331.80 m ü.M.		Maximum	333.71 (10.Aug 2007)			Minimum	330.73 (02.Dez 2011)			Amplitude	2.98 m

Darstellung der letzten 12 Jahre



**Grundwassertemperatur**

Frenketal

Liestal

Abstichpunkt:

OK Terrain:

39.J.14

339.49

339.70

Gräubern

m ü.M.

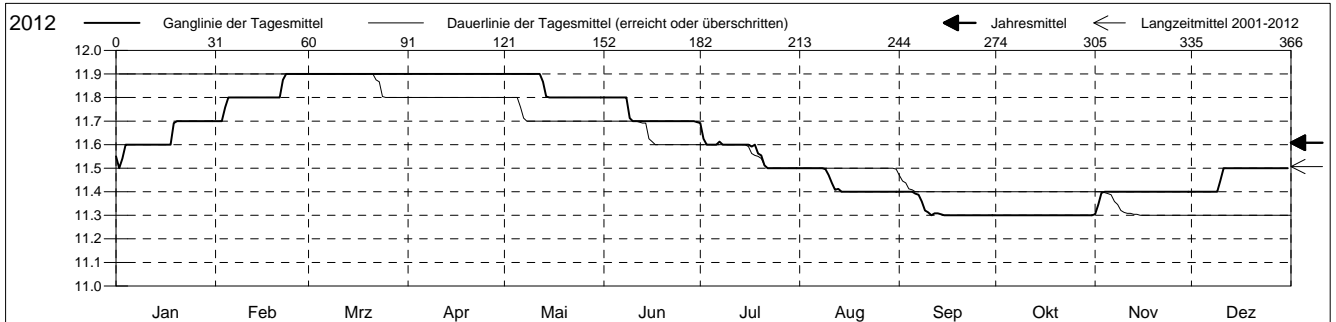
m ü.M.

**Amt für Umweltschutz und Energie**

**Kanton Basel-Landschaft**

Koordinaten: 0.00 / 0.00

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	11.6	11.7 -	11.9 +	11.9 +	11.9 +	11.8 +	11.7 +	11.5 +	11.4 +	11.3 +	11.3 -	11.4 -	1
2	11.5 -	11.7 -	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.3 -	11.4 -	2
3	11.5 -	11.7 -	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.4 +	11.4 -	3
4	11.6	11.8	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.4 +	11.4 -	4
5	11.6	11.8	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.4 +	11.4 -	5
6	11.6	11.8	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.4 +	11.4 -	6
7	11.6	11.8	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.4 +	11.4 -	7
8	11.6	11.8	11.9 +	11.9 +	11.9 +	11.8 +	11.6	11.5 +	11.4 +	11.3 +	11.4 +	11.4 -	8
9	11.6	11.8	11.9 +	11.9 +	11.9 +	11.7 -	11.6	11.5 +	11.3 -	11.3 +	11.4 +	11.4 -	9
10	11.6	11.8	11.9 +	11.9 +	11.9 +	11.7 -	11.6	11.5 +	11.3 -	11.3 +	11.4 +	11.4 -	10
11	11.6	11.8	11.9 +	11.9 +	11.9 +	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	11
12	11.6	11.8	11.9 +	11.9 +	11.9 +	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	12
13	11.6	11.8	11.9 +	11.9 +	11.9 +	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	13
14	11.6	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	14
15	11.6	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	15
16	11.6	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	16
17	11.6	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	17
18	11.6	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	18
19	11.7 +	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	19
20	11.7 +	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.6	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	20
21	11.7 +	11.8	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	21
22	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	22
23	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	23
24	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	24
25	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	25
26	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	26
27	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	27
28	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	28
29	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	29
30	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	30
31	11.7 +	11.9 +	11.9 +	11.9 +	11.8 -	11.7 -	11.5 -	11.4 -	11.3 -	11.3 +	11.4 +	11.5 +	31
Monatsmittel	11.6	11.8	11.9 +	11.9 +	11.8	11.7	11.6	11.4	11.3 -	11.3 -	11.4	11.5	
Maximum	11.7	11.9 +	11.9 +	11.9 +	11.9 +	11.8	11.7	11.5	11.4	11.3 -	11.4	11.5	
Datum	19.01	22.02	01.03	01.04	01.05	01.06	01.07	01.08	01.09	01.10	01.11	10.12	
Minimum	11.5	11.7	11.9 +	11.9 +	11.8	11.6	11.5	11.4	11.3 -	11.3 -	11.3 -	11.4	
Datum	01.01	01.02	01.03	01.04	13.05	30.06	17.07	09.08	06.09	01.10	01.11	01.12	
Amplitude	0.2	0.2	0.0 +	0.0 +	0.1	0.2	0.2	0.1	0.1	0.0 +	0.1	0.1	
Jahr 2012	Mittel	11.6 °C	Maximum	11.9 (22.Feb)	Minimum	11.3 (06.Sep)	Amplitude	0.6 °C					



Periode	2001 - 2012												
Monatsmittel	11.5	11.7	11.8 +	11.8 +	11.7	11.6	11.5	11.3 -	11.3 -	11.3 -	11.3 -	11.4	
Maximum	11.7	11.9	12.0 +	12.0 +	11.9	11.8	11.7	11.5	11.4 -	11.4 -	11.5	11.5	
Jahr	2008	2012	2008	2008	2008	2008	2012	2012	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	0.4 +	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	12.0 (14.Mrz 2008)	Minimum	10.9 (25.Okt 2006)	Amplitude	1.1 °C					

Darstellung der letzten 12 Jahre

