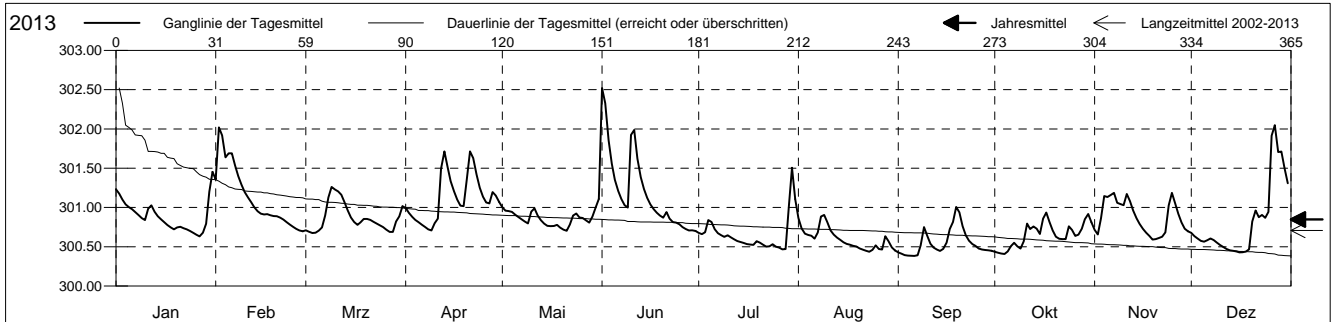


**Grundwasserstände**

Laufental  
 Duggingen 115.C.7 LiebMatt  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

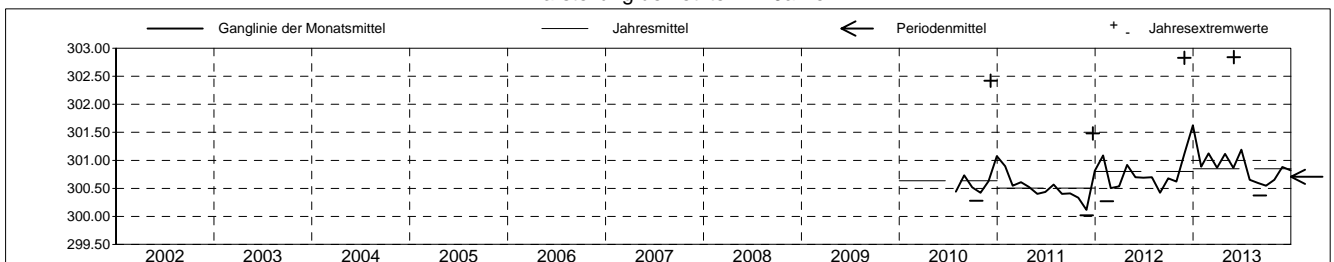
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	301.23	301.36	300.71	300.99	301.00	302.52 +	300.68	300.87	300.43	300.43	300.72	300.68	1
2	301.18	302.02 +	300.69	300.93	300.96	302.33	300.66	300.73	300.41	300.42	300.66	300.64	2
3	301.10	301.92	300.67 -	300.88	300.95	301.86	300.68	300.67	300.39	300.41 -	300.86	300.61	3
4	301.04	301.64	300.68	300.84	300.94	301.56	300.84	300.65	300.39	300.41 -	301.15	300.57	4
5	301.00	301.69	300.70	300.81	300.91	301.35	300.81	300.64	300.38 -	300.44	301.13	300.57	5
Tagesmittel													
6	300.98	301.69	300.75	300.78	300.88	301.21	300.72	300.60	300.38 -	300.51	301.16	300.58	6
7	300.94	301.53	300.90	300.75	300.85	301.11	300.67	300.68	300.39	300.55	301.19 +	300.61	7
8	300.90	301.40	301.13	300.72	300.82	301.03	300.64	300.88	300.52	300.51	301.06	300.58	8
9	300.86	301.29	301.26 +	300.71 -	300.80	301.00	300.63	300.90 +	300.75	300.48	301.04	300.55	9
10	300.84	301.20	301.23	300.80	300.95	301.92	300.64	300.81	300.64	300.57	301.03	300.52	10
11	300.99	301.13	301.20	300.86	300.99	301.99	300.62	300.71	300.54	300.79	301.17	300.49	11
12	301.03	301.07	301.16	301.49	300.90	301.62	300.59	300.65	300.49	300.72	301.08	300.47	12
13	300.95	301.00	301.06	301.71 +	300.84	301.38	300.57	300.62	300.46	300.76	300.96	300.45	13
14	300.89	300.95	300.96	301.51	300.79	301.23	300.56	300.59	300.45	300.73	300.86	300.45	14
15	300.85	300.92	300.87	301.33	300.77	301.12	300.55	300.56	300.47	300.66	300.79	300.44	15
Max. +													
16	300.81	300.91	300.81	301.21	300.76	301.04	300.53	300.54	300.55	300.86	300.73	300.43 -	16
17	300.78	300.91	300.78	301.10	300.76	300.98	300.53	300.53	300.73	300.94 +	300.68	300.43 -	17
18	300.74	300.90	300.81	301.02	300.78	300.93	300.52	300.51	300.82	300.82	300.64	300.44	18
19	300.72	300.89	300.85	301.02	300.74	300.90	300.57	300.50	301.01 +	300.71	300.59 -	300.47	19
20	300.75	300.89	300.85	301.36	300.72	300.87	300.55	300.48	300.94	300.63	300.60	300.82	20
Min. -													
21	300.75	300.87	300.84	301.71 +	300.70 -	300.94	300.53	300.46	300.76	300.60	300.61	300.96	21
22	300.73	300.85	300.82	301.63	300.78	300.86	300.50	300.45	300.64	300.60	300.63	300.88	22
23	300.72	300.81	300.79	301.42	300.90	300.81	300.51	300.43 -	300.58	300.60	300.68	300.90	23
24	300.70	300.78	300.77	301.25	300.92	300.81	300.53	300.46	300.53	300.76	301.03	300.87	24
25	300.68	300.75	300.75	301.14	300.87	300.79	300.50	300.52	300.51	300.71	301.18	300.94	25
26	300.65	300.73	300.72	301.06	300.87	300.75	300.49	300.47	300.48	300.64	301.05	301.91	26
27	300.63 -	300.71	300.69	301.05	300.83	300.73	300.47 -	300.46	300.46	300.65	300.92	302.05 +	27
28	300.68	300.70 -	300.69	301.20	300.81	300.71	300.47 -	300.63	300.46	300.73	300.81	301.70	28
29	300.79		300.82	301.15	300.89	300.71	301.01	300.57	300.45	300.85	300.73	301.71	29
30	301.20		300.89	301.07	301.00	300.70 -	301.51 +	300.49	300.45	300.92	300.70	301.50	30
31	301.45 +		301.02		301.11 +		301.11	300.45		300.81		301.31	31
Monatsmittel	300.89	301.12	300.87	301.12	300.86	301.19 +	300.65	300.60	300.55 -	300.65	300.88	300.82	
Maximum	301.49	302.23	301.29	301.76	301.73	302.84 +	301.66	300.96 -	301.06	300.98	301.22	302.25	
Datum	31.01	02.02	09.03	21.04	31.05	01.06	30.07	01.08	19.09	16.10	07.11	26.12	
Amplitude	0.87	1.54	0.62	1.06	1.03	2.15	1.21	0.53	0.68	0.58	0.65	1.83	
Jahr 2013	Mittel	300.85 m ü.M.		Maximum	302.84 (01.Jun)		Minimum	300.37 (07.Sep)		Amplitude	2.47 m		



Periode	2002 - 2013												
Monatsmittel	300.96	300.73	300.67	300.85	300.65	300.77	300.59	300.54	300.54	300.51 -	300.69	301.08 +	
Maximum	301.79	302.23	301.29 -	302.72	301.73	302.84 +	301.66	302.01	301.70	301.77	302.83	302.42	
Jahr	2012	2013	2013	2012	2013	2013	2013	2010	2012	2012	2012	2010	
Minimum	300.53 +	300.27	300.33	300.29	300.32	300.34	300.33	300.21	300.21	300.16	300.02 -	300.02 -	
Jahr	2012	2012	2012	2012	2011	2011	2010	2011	2011	2011	2011	2011	
Amplitude	1.26	1.54	0.62 -	2.43 +	1.03	2.15	1.21	1.70	1.30	1.44	2.30	2.01	
Jahr	2012	2013	2013	2012	2013	2013	2013	2010	2012	2012	2012	2010	
Periode	Mittel	300.71 m ü.M.		Maximum	302.84 (01.Jun 2013)		Minimum	300.02 (30.Nov 2011)		Amplitude	2.82 m		

Darstellung der letzten 12 Jahre

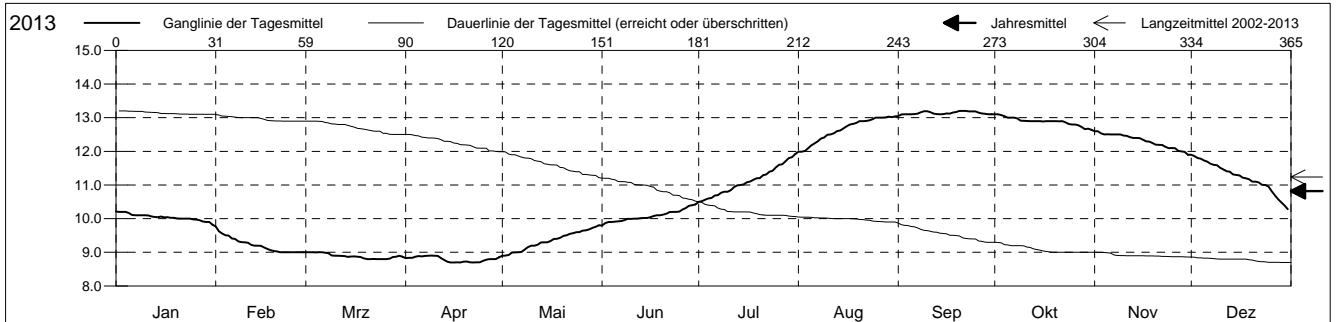


**Grundwassertemperatur**

Laufental  
 Duggingen 115.C.7 LiebMatt  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

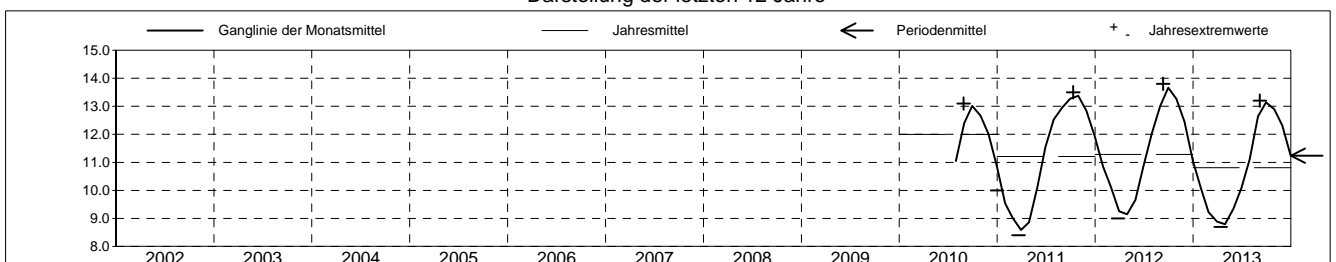
**Amt für Umweltschutz und Energie**  
**Kanton Basel-Landschaft**  
 Koordinaten: 0.00 / 0.00

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	10.2 +	9.8 +	9.0 +	8.8	8.9 -	9.8 -	10.5 -	12.0 -	13.1 -	13.1 +	12.6 +	11.9 +	1
2	10.2 +	9.6	9.0 +	8.8	8.9 -	9.9	10.5 -	12.0 -	13.1 -	13.1 +	12.6 +	11.9 +	2
3	10.2 +	9.6	9.0 +	8.8	8.9 -	9.9	10.6	12.0 -	13.1 -	13.1 +	12.5	11.8	3
4	10.2 +	9.5	9.0 +	8.9 +	9.0	9.9	10.6	12.1	13.1 -	13.0	12.5	11.8	4
5	10.2 +	9.5	9.0 +	8.9 +	9.0	9.9	10.6	12.2	13.1 -	13.0	12.5	11.7	5
Tagesmittel													
6	10.1	9.4	9.0 +	8.9 +	9.0	9.9	10.7	12.2	13.1 -	13.0	12.5	11.7	6
7	10.1	9.4	9.0 +	8.9 +	9.0	9.9	10.7	12.3	13.1 -	13.0	12.5	11.6	7
8	10.1	9.3	9.0 +	8.9 +	9.1	10.0	10.8	12.4	13.2 +	13.0	12.5	11.6	8
9	10.1	9.3	8.9	8.9 +	9.2	10.0	10.8	12.4	13.2 +	12.9	12.5	11.6	9
10	10.1	9.3	8.9	8.9 +	9.2	10.0	10.8	12.5	13.2 +	12.9	12.5	11.5	10
11	10.1	9.3	8.9	8.9 +	9.2	10.0	10.8	12.5	13.2 +	12.9	12.5	11.5	11
12	10.1	9.2	8.9	8.8	9.2	10.0	10.9	12.5	13.1 -	12.9	12.4	11.4	12
13	10.1	9.2	8.9	8.8	9.3	10.0	11.0	12.6	13.1 -	12.9	12.4	11.4	13
14	10.0	9.2	8.9	8.7 -	9.3	10.0	11.0	12.6	13.1 -	12.9	12.4	11.3	14
15	10.1	9.2	8.9	8.7 -	9.3	10.0	11.0	12.7	13.1 -	12.9	12.4	11.3	15
Max. +													
16	10.0	9.1	8.9	8.7 -	9.3	10.0	11.1	12.7	13.1 -	12.9	12.3	11.3	16
17	10.0	9.1	8.9	8.7 -	9.4	10.1	11.1	12.8	13.1 -	12.9	12.3	11.2	17
18	10.0	9.1	8.9	8.7 -	9.4	10.1	11.2	12.8	13.2 +	12.9	12.3	11.2	18
19	10.0	9.0 -	8.8 -	8.7 -	9.4	10.1	11.2	12.8	13.2 +	12.9	12.2	11.2	19
20	10.0	9.0 -	8.8 -	8.7 -	9.5	10.1	11.2	12.9	13.2 +	12.9	12.2	11.1	20
Min. -													
21	10.0	9.0 -	8.8 -	8.7 -	9.5	10.1	11.3	12.9	13.2 +	12.9	12.2	11.1	21
22	10.0	9.0 -	8.8 -	8.7 -	9.6	10.2	11.3	12.9	13.2 +	12.9	12.2	11.1	22
23	10.0	9.0 -	8.8 -	8.7 -	9.6	10.2	11.4	12.9	13.2 +	12.9	12.1	11.0	23
24	10.0	9.0 -	8.8 -	8.7 -	9.6	10.2	11.4	13.0 +	13.2 +	12.8	12.1	11.0	24
25	10.0	9.0 -	8.8 -	8.7 -	9.6	10.2	11.5	13.0 +	13.2 +	12.8	12.1	11.0	25
26	10.0	9.0 -	8.8 -	8.8	9.6	10.3	11.6	13.0 +	13.1 -	12.8	12.1	10.8	26
27	10.0	9.0 -	8.8 -	8.8	9.7	10.3	11.6	13.0 +	13.1 -	12.8	12.0	10.7	27
28	9.9	9.0 -	8.9	8.8	9.7	10.4 +	11.7	13.0 +	13.1 -	12.7	12.0	10.6	28
29	9.9	9.0 -	8.9	8.8	9.7	10.4 +	11.8	13.0 +	13.1 -	12.7	12.0	10.5	29
30	9.9	9.0 -	8.9	8.9 +	9.8 +	10.4 +	11.8	13.0 +	13.1 -	12.7	11.9 -	10.4	30
31	9.8 -	9.0 -	8.9	8.9	9.8 +	10.4 +	11.9 +	13.0 +	13.1 -	12.6 -	11.9 -	10.3 -	31
Monatsmittel	10.0	9.2	8.9	8.8 -	9.3	10.1	11.1	12.6	13.1 +	12.9	12.3	11.2	
Maximum	10.3	9.8	9.0 -	9.0 -	9.9	10.5	12.0	13.1	13.2 +	13.1	12.6	11.9	
Datum	01.01	01.02	01.03	12.04	31.05	30.06	31.07	28.08	06.09	01.10	01.11	01.12	
Minimum	9.8	9.0	8.8	8.7 -	8.8	9.8	10.5	11.9	13.0 +	12.6	11.9	10.2	
Datum	31.01	17.02	10.03	13.04	01.05	01.06	01.07	01.08	01.09	29.10	29.11	31.12	
Amplitude	0.5	0.8	0.2	0.3	1.1	0.7	1.5	1.2	0.2	0.5	0.7	1.7	
Jahr 2013	Mittel	10.8 °C		Maximum	13.2 (06.Sep)			Minimum	8.7 (13.Apr)		Amplitude	4.5 °C	



Periode	2002 - 2013												
Monatsmittel	10.1	9.5	8.9 -	8.9 -	9.7	10.8	11.7	12.7	13.3 +	13.0	12.4	11.3	
Maximum	11.4	10.4	9.7	9.4 -	11.0	12.0	13.0	13.5	13.8 +	13.6	13.2	12.5	
Jahr	2012	2012	2012	2011	2011	2011	2011	2012	2012	2012	2011	2011	
Minimum	9.3	8.7	8.4 -	8.5	8.8	9.8	10.5	11.7	12.8 +	12.4	11.6	10.0	
Jahr	2011	2011	2011	2011	2013	2013	2010	2010	2010	2010	2010	2010	
Amplitude	1.0	0.8	0.7	0.9	1.6	1.3	1.5	1.4	0.4 -	0.7	1.0	1.7 +	
Jahr	2012	2013	2012	2011	2011	2012	2013	2010	2012	2012	2012	2012	
Periode	Mittel	11.2 °C		Maximum	13.8 (11.Sep 2012)			Minimum	8.4 (21.Mrz 2011)		Amplitude	5.4 °C	

Darstellung der letzten 12 Jahre

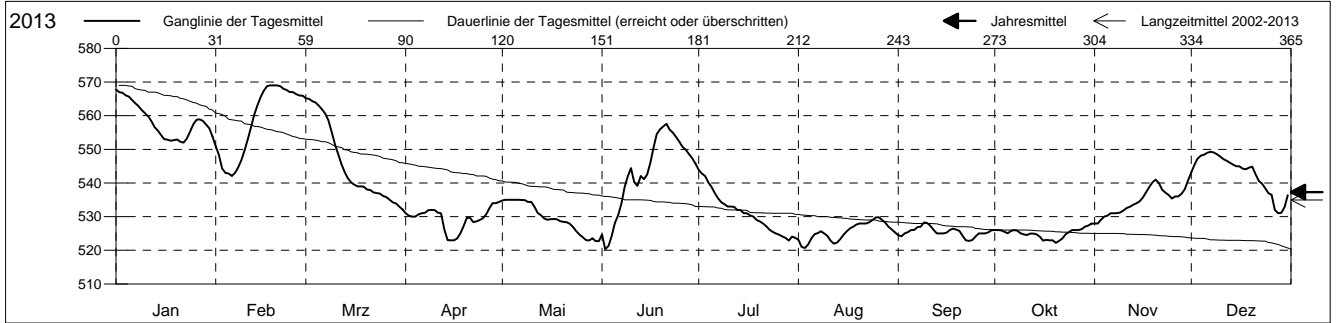


**Leitfähigkeit**

Laufental  
 Duggingen 115.C.7 LiebMatt  
 Abstichpunkt: 0.00 m ü.M.  
 OK Terrain: 0.00 m ü.M.

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

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	568 +	551	565 +	531	535 +	525	544 +	523	525	526	528 -	543	1
2	567	548	565 +	530	535 +	520 -	543	521 -	524	526	528 -	545	2
3	567	544	564	530	535 +	521	542	521 -	525	526	529	547	3
4	566	543	564	530	535 +	524	540	522	525	526	530	548	4
5	566	543	563	531	535 +	528	539	524	526	525	530	548	5
Tagesmittel													
6	565	542 -	562	531	535 +	531	537	525	526	526	531	549 +	6
7	564	543	561	531	535 +	534	536	525	527	526	531	549 +	7
8	563	545	559	532	535 +	539	534	526	527	526	531	549 +	8
9	562	547	555	532	534	542	534	525	528 +	525	531	549 +	9
10	561	550	552	532	534	544	533	524	528 +	525	532	548	10
11	560	553	549	531	533	540	533	523	527	525	533	547	11
12	558	557	546	531	531	539	533	522	526	525	533	547	12
13	557	560	543	526	530	542	532	522	525	525	534	546	13
14	556	563	542	523 -	530	541	532	523	525	525	534	546	14
15	554	566	540	523 -	529	543	531	525	525	524	535	545	15
Max. +													
16	553	568	540	523 -	529	546	531	526	525	523	536	545	16
17	553	569 +	539	524	529	551	530	527	526	523	537	544	17
18	553	569 +	539	525	529	555	530	527	526	523	539	544	18
19	553	569 +	539	527	529	556	529	528	526	523	540	545	19
20	553	569 +	538	530	528	557	529	528	526	522 -	541 +	545	20
Min. -													
21	552 -	569 +	538	530	528	558 +	528	528	524	523	540	543	21
22	552 -	568	537	528	528	556	527	528	523 -	524	538	541	22
23	553	568	537	529	527	555	526	528	523 -	525	537	540	23
24	555	567	537	529	526	554	526	529	523 -	525	536	538	24
25	557	567	536	530	525	552	525	530 +	524	526	535	537	25
26	559	566	536	531	524	551	525	530 +	525	526	536	537	26
27	559	566	535	533	523 -	550	524	529	525	526	536	532	27
28	558	566	534	534 +	523 -	549	524	528	525	526	537	531 -	28
29	557	566	534	534 +	524	547	523 -	527	525	527	538	531 -	29
30	556	566	533	534 +	523 -	546	524	526	526	527	541 +	533	30
31	554	566	532 -	523 -	523 -	546	524	525	526	527	541 +	533	31
Monatsmittel	558 +	558 +	546	529	530	543	531	526	525 -	525 -	535	543	
Maximum	568	569 +	566	535	535	559	545	530	529	528 -	542	550	
Datum	01.01	17.02	01.03	28.04	01.05	20.06	01.07	25.08	09.09	30.10	30.11	07.12	
Minimum	552 +	542	531	523	522	519 -	522	520	522	522	528	531	
Datum	17.01	05.02	31.03	14.04	27.05	02.06	29.07	02.08	22.09	16.10	01.11	27.12	
Amplitude	16	27	35	12	13	40	23	10	7	6	14	19	
Jahr 2013	Mittel	537	Maximum	569 (17.Feb)	Minimum	519 (02.Jun)	Amplitude	50					



Periode	2002 - 2013												
Monatsmittel	553 +	547	535	522 -	524	530	526	526	530	534	541	552	
Maximum	568	569	566	535	535	559	545	534 -	545	556	572	581 +	
Jahr	2013	2013	2013	2013	2013	2013	2013	2010	2012	2012	2012	2012	
Minimum	534 +	533	515	511 -	515	518	520	517	522	522	527	531	
Jahr	2012	2012	2012	2012	2011	2012	2012	2010	2013	2013	2010	2013	
Amplitude	16	27	35	23	13 -	40 +	23	17	21	14	22	31	
Jahr	2012	2013	2013	2012	2012	2013	2013	2010	2012	2012	2012	2010	
Periode	Mittel	535	Maximum	581 (15.Dez 2012)	Minimum	511 (06.Apr 2012)	Amplitude	70					

Darstellung der letzten 12 Jahre

