

Grundwasserstände



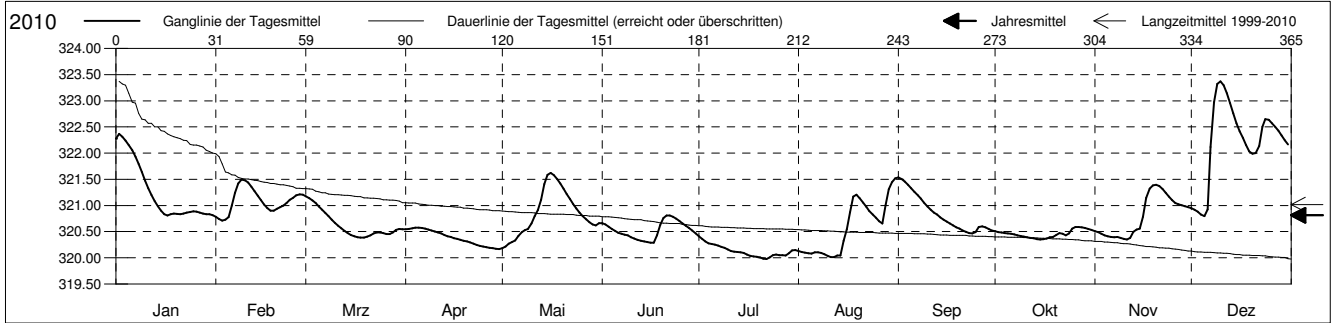
Frenketal

Liestal 39.H.7 Hanro
 Abstichpunkt: 327.73 m ü.M.
 OK Terrain: 327.40 m ü.M.

Amt für Umweltschutz und Energie

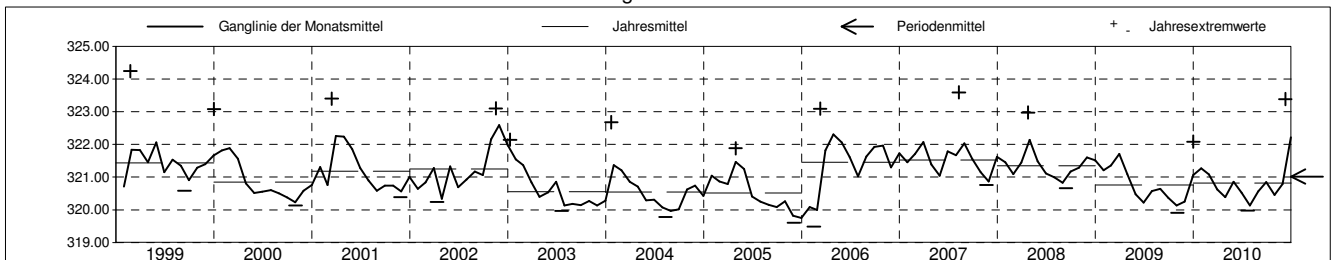
Kanton Basel-Landschaft
 Koordinaten: 622759.25 / 258254.75

2010	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	322.28	320.79	321.18 +	320.55	320.18 -	320.66	320.41 +	320.13	321.54 +	320.51	320.51	320.95	1
2	322.37 +	320.74	321.14	320.56	320.22	320.63	320.36	320.11	321.51	320.49	320.49	320.92	2
3	322.31	320.71 -	321.10	320.56	320.27	320.60	320.31	320.10	321.46	320.49	320.46	320.88	3
4	322.24	320.73	321.05	320.57	320.30	320.55	320.28	320.09	321.40	320.48	320.43	320.83	4
5	322.15	320.78	320.98	320.58 +	320.33	320.51	320.27	320.08	321.33	320.47	320.41	320.80 -	5
Tagesmittel													
6	322.05	321.00	320.92	320.57	320.42	320.48	320.25	320.10	321.26	320.46	320.40	320.92	6
7	321.94	321.25	320.86	320.56	320.49	320.46	320.23	320.11	321.20	320.45	320.39	322.12	7
8	321.79	321.42	320.80	320.54	320.53	320.44	320.21	320.09	321.13	320.43	320.40	322.97	8
9	321.64	321.49 +	320.73	320.52	320.55	320.43	320.19	320.07	321.05	320.42	320.38	323.32	9
10	321.48	321.48	320.67	320.50	320.65	320.40	320.16	320.04	320.98	320.41	320.36	323.37 +	10
11	321.33	321.44	320.61	320.49	320.80	320.37	320.13	320.01 -	320.92	320.39	320.35 -	323.30	11
12	321.20	321.36	320.56	320.47	320.92	320.34	320.12	320.01 -	320.87	320.38	320.38	323.15	12
13	321.08	321.27	320.52	320.44	321.11	320.32	320.12	320.05	320.82	320.37	320.50	322.95	13
14	320.99	321.19	320.47	320.41	321.41	320.31	320.11	320.05	320.77	320.36	320.54	322.76	14
15	320.90	321.10	320.44	320.40	321.58	320.30	320.09	320.33	320.73	320.35 -	320.56	322.57	15
Max. +													
16	320.83	321.02	320.41	320.38	321.62 +	320.29 -	320.06	320.55	320.69	320.36	320.78	322.42	16
17	320.81 -	320.95	320.40	320.36	321.58	320.29 -	320.04	320.87	320.66	320.37	321.15	322.29	17
18	320.84	320.90	320.38 -	320.34	321.51	320.43	320.03	321.17	320.62	320.39	321.32	322.15	18
19	320.85	320.90	320.39	320.33	321.42	320.62	320.02	321.21	320.58	320.40	321.39	322.03	19
20	320.84	320.94	320.41	320.31	321.32	320.76	320.01	321.14	320.56	320.44	321.40 +	321.99	20
Min. -													
21	320.84	320.97	320.43	320.29	321.22	320.81 +	319.99	321.05	320.52	320.47	321.37	322.00	21
22	320.85	321.00	320.47	320.27	321.12	320.81 +	319.98 -	320.97	320.49	320.46	321.32	322.14	22
23	320.87	321.05	320.48	320.25	321.03	320.78	320.01	320.89	320.47 -	320.43	321.24	322.50	23
24	320.88	321.11	320.48	320.23	320.94	320.75	320.05	320.83	320.47 -	320.47	321.17	322.65	24
25	320.89	321.14	320.47	320.21	320.86	320.70	320.06	320.77	320.49	320.56	321.11	322.64	25
26	320.88	321.19	320.45	320.20	320.79	320.66	320.05	320.70	320.59	320.59 +	321.05	322.57	26
27	320.87	321.21	320.45	320.20	320.73	320.61	320.05	320.65	320.60	320.59 +	321.02	322.50	27
28	320.85	321.21	320.49	320.18	320.68	320.57	320.05	321.00	320.58	320.59 +	321.00	322.43	28
29	320.83		320.53	320.17 -	320.63	320.52	320.09	321.31	320.55	320.57	320.98	322.33	29
30	320.83		320.55	320.17 -	320.62	320.46	320.14	321.45	320.52	320.55	320.97	322.25	30
31	320.81 -		320.55		320.66		320.15	321.52 +		320.54		322.17	31
Monatsmittel	321.27	321.08	320.62	320.39	320.85	320.53	320.13 -	320.56	320.85	320.46	320.79	322.22 +	
Maximum	322.38	321.50	321.19	320.58	321.63	320.82	320.44 -	321.54	321.54	320.59	321.40	323.38 +	
Datum	02.01	09.02	01.03	04.04	16.05	22.06	01.07	31.08	01.09	27.10	20.11	10.12	
Amplitude	1.58	0.80	0.81	0.41	1.46	0.53	0.47	1.54	1.08	0.24	1.06	2.60	
Jahr 2010	Mittel	320.81 m ü.M.		Maximum	323.38 (10.Dez)		Minimum	319.97 (22.Jul)		Amplitude	3.41 m		



Periode	1999 - 2010												
Monatsmittel	321.16	321.17	321.42 +	321.23	321.15	320.88	320.73 -	320.80	320.77	320.88	320.89	321.17	
Maximum	323.08	324.24 +	323.40	323.07	323.90	322.52 -	322.54	323.59	323.00	323.00	323.10	323.38	
Jahr	2000	1999	2001	2001	1999	2007	1999	2007	2006	2006	2002	2010	
Minimum	319.79	319.48 -	320.32 +	320.17	320.11	320.07	319.97	319.78	319.95	319.91	319.62	319.60	
Jahr	2006	2006	2006	2010	2004	2004	2003	2004	2004	2004	2005	2005	
Amplitude	2.61	3.37 +	2.98	1.57 -	2.73	1.83	1.64	2.39	1.88	2.25	1.76	2.60	
Jahr	2004	1999	2001	2008	1999	2003	1999	2007	2006	2004	2004	2010	
Periode	Mittel	321.02 m ü.M.		Maximum	324.24 (23.Feb 1999)		Minimum	319.48 (15.Feb 2006)		Amplitude	4.76 m		

Darstellung der letzten 12 Jahre



Grundwassertemperatur



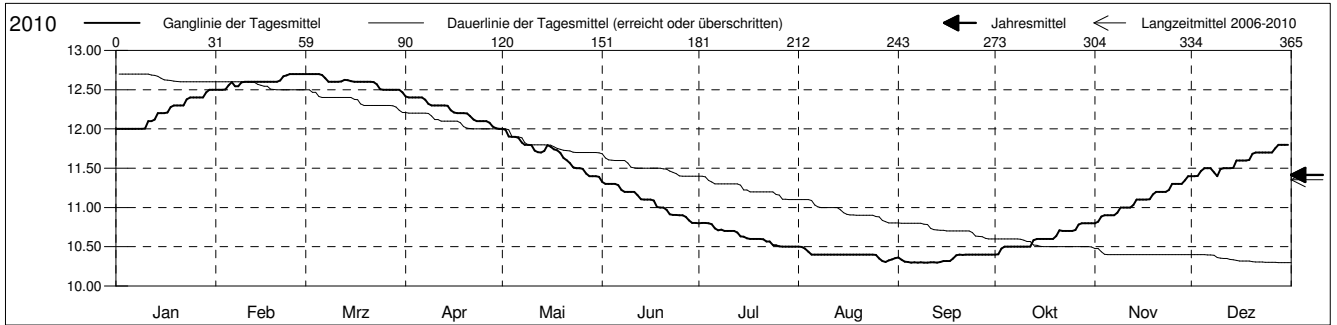
Frenketal

Liestal 39.H.7 Hanro
 Abstichpunkt: 327.73 m ü.M.
 OK Terrain: 327.40 m ü.M.

Amt für Umweltschutz und Energie

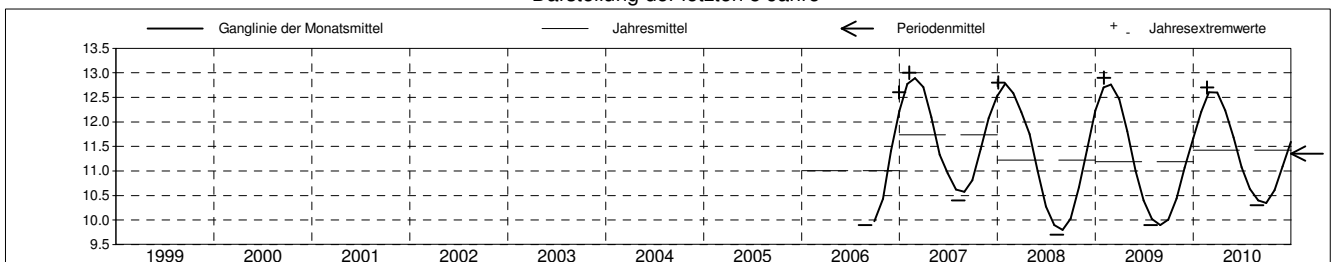
Kanton Basel-Landschaft
 Koordinaten: 622759.25 / 258254.75

2010	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.0 -	12.5 -	12.7 +	12.4 +	12.0 +	11.3 +	10.8 +	10.5 +	10.4 +	10.4 -	10.8 -	11.4 -	1
2	12.0 -	12.5 -	12.7 +	12.4 +	12.0 +	11.3 +	10.8 +	10.5 +	10.3 -	10.4 -	10.8 -	11.4 -	2
3	12.0 -	12.5 -	12.7 +	12.4 +	11.9	11.3 +	10.8 +	10.5 +	10.3 -	10.5	10.9	11.4 -	3
4	12.0 -	12.5 -	12.7 +	12.4 +	11.9	11.3 +	10.8 +	10.4	10.3 -	10.5	10.9	11.5	4
5	12.0 -	12.6	12.7 +	12.4 +	11.9	11.3 +	10.8 +	10.4	10.3 -	10.5	10.9	11.5	5
Tagesmittel													
6	12.0 -	12.6	12.7 +	12.4 +	11.9	11.3 +	10.7	10.4	10.3 -	10.5	10.9	11.5	6
7	12.0 -	12.5 -	12.6	12.4 +	11.8	11.2	10.7	10.4	10.3 -	10.5	10.9	11.5	7
8	12.0 -	12.5 -	12.6	12.3	11.8	11.2	10.7	10.4	10.3 -	10.5	10.9	11.4 -	8
9	12.0 -	12.6	12.6	12.3	11.8	11.2	10.7	10.4	10.3 -	10.5	11.0	11.4 -	9
10	12.0 -	12.6	12.6	12.3	11.8	11.2	10.7	10.4	10.3 -	10.5	11.0	11.5	10
11	12.1	12.6	12.6	12.3	11.7	11.2	10.7	10.4	10.3 -	10.5	11.0	11.5	11
12	12.1	12.6	12.6	12.3	11.7	11.2	10.7	10.4	10.3 -	10.5	11.0	11.5	12
13	12.1	12.6	12.6	12.3	11.7	11.1	10.7	10.4	10.3 -	10.6	11.0	11.5	13
14	12.2	12.6	12.6	12.3	11.7	11.1	10.6	10.4	10.3 -	10.6	11.1	11.5	14
15	12.2	12.6	12.6	12.2	11.8	11.1	10.6	10.4	10.3 -	10.6	11.1	11.6	15
Max. +													
16	12.2	12.6	12.6	12.2	11.8	11.1	10.6	10.4	10.3 -	10.6	11.1	11.6	16
17	12.2	12.6	12.6	12.2	11.7	11.1	10.6	10.4	10.3 -	10.6	11.1	11.6	17
18	12.3	12.6	12.6	12.2	11.7	11.0	10.6	10.4	10.4 +	10.6	11.1	11.6	18
19	12.3	12.6	12.6	12.2	11.7	11.0	10.6	10.4	10.4 +	10.6	11.2	11.6	19
20	12.3	12.6	12.6	12.2	11.6	11.0	10.6	10.4	10.4 +	10.6	11.2	11.7	20
Min. -													
21	12.3	12.6	12.6	12.2	11.6	11.0	10.6	10.4	10.4 +	10.7	11.2	11.7	21
22	12.3	12.7 +	12.6	12.1	11.6	10.9	10.6	10.4	10.4 +	10.7	11.2	11.7	22
23	12.4	12.7 +	12.6	12.1	11.5	10.9	10.6	10.4	10.4 +	10.7	11.2	11.7	23
24	12.4	12.7 +	12.5 -	12.1	11.5	10.9	10.5 -	10.4	10.4 +	10.7	11.2	11.7	24
25	12.4	12.7 +	12.5 -	12.1	11.5	10.9	10.5 -	10.4	10.4 +	10.7	11.3	11.7	25
26	12.4	12.7 +	12.5 -	12.1	11.5	10.9	10.5 -	10.4	10.4 +	10.7	11.3	11.7	26
27	12.4	12.7 +	12.5 -	12.1	11.4 -	10.9	10.5 -	10.3 -	10.4 +	10.8 +	11.3	11.8 +	27
28	12.4	12.7 +	12.5 -	12.0 -	11.4 -	10.8 -	10.5 -	10.3 -	10.4 +	10.8 +	11.3	11.8 +	28
29	12.5 +		12.5 -	12.0 -	11.4 -	10.8 -	10.5 -	10.3 -	10.4 +	10.8 +	11.3	11.8 +	29
30	12.5 +		12.5 -	12.0 -	11.4 -	10.8 -	10.5 -	10.3 -	10.4 +	10.8 +	11.4 +	11.8 +	30
31	12.5 +		12.5 -		11.4 -		10.5 -	10.4		10.8 +		11.8 +	31
Monatsmittel	12.2	12.6 +	12.6 +	12.2	11.7	11.1	10.6	10.4	10.3 -	10.6	11.1	11.6	
Maximum	12.5	12.7 +	12.7 +	12.5	12.0	11.4	10.9	10.5	10.4 -	10.9	11.4	11.8	
Datum	29.01	21.02	01.03	01.04	01.05	01.06	02.07	01.08	01.09	21.10	29.11	27.12	
Minimum	12.0	12.5 +	12.4	12.0	11.3	10.8	10.5	10.3 -	10.3 -	10.4	10.8	11.4	
Datum	01.01	01.02	31.03	27.04	31.05	27.06	21.07	25.08	01.09	01.10	01.11	01.12	
Amplitude	0.5	0.2	0.3	0.5	0.7	0.6	0.4	0.2	0.1	0.5	0.6	0.4	
Jahr 2010	Mittel	11.4 °C		Maximum	12.7 (21.Feb)		Minimum	10.3 (25.Aug)		Amplitude	2.4 °C		



Periode	2006 - 2010												
Monatsmittel	12.6	12.7 +	12.5	12.0	11.3	10.7	10.3	10.2 -	10.2 -	10.7	11.4	12.0	
Maximum	12.9	13.0 +	12.9	12.5	12.0	11.4	10.9 -	11.0	11.1	11.8	12.4	12.7	
Jahr	2007	2007	2007	2007	2010	2010	2010	2007	2007	2007	2007	2007	
Minimum	12.0	12.4 +	12.0	11.3	10.5	10.0	9.8	9.7 -	9.8	10.1	10.7	11.4	
Jahr	2010	2008	2008	2008	2008	2008	2008	2008	2008	2006	2009	2009	
Amplitude	0.5	0.4 -	0.5	0.9	1.0	0.6	0.4 -	0.6	0.5	0.8	1.1 +	0.7	
Jahr	2010	2008	2009	2009	2008	2010	2010	2007	2007	2008	2006	2006	
Periode	Mittel	11.4 °C		Maximum	13.0 (06.Feb 2007)		Minimum	9.7 (10.Aug 2008)		Amplitude	3.3 °C		

Darstellung der letzten 5 Jahre



Grundwasserspiegel im Frenketal

Station 39.H.7 Liestal

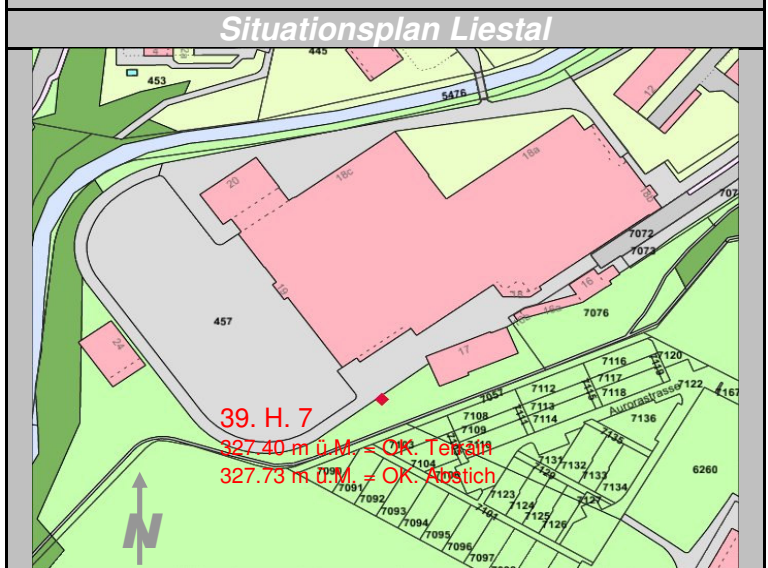
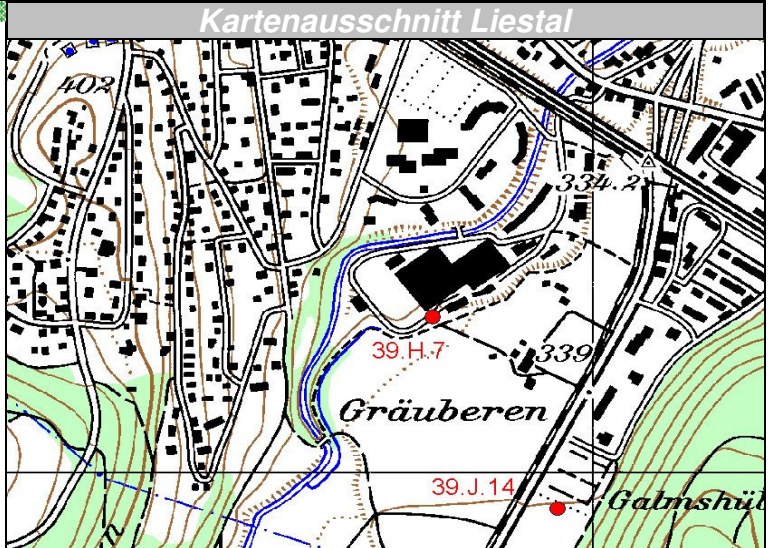
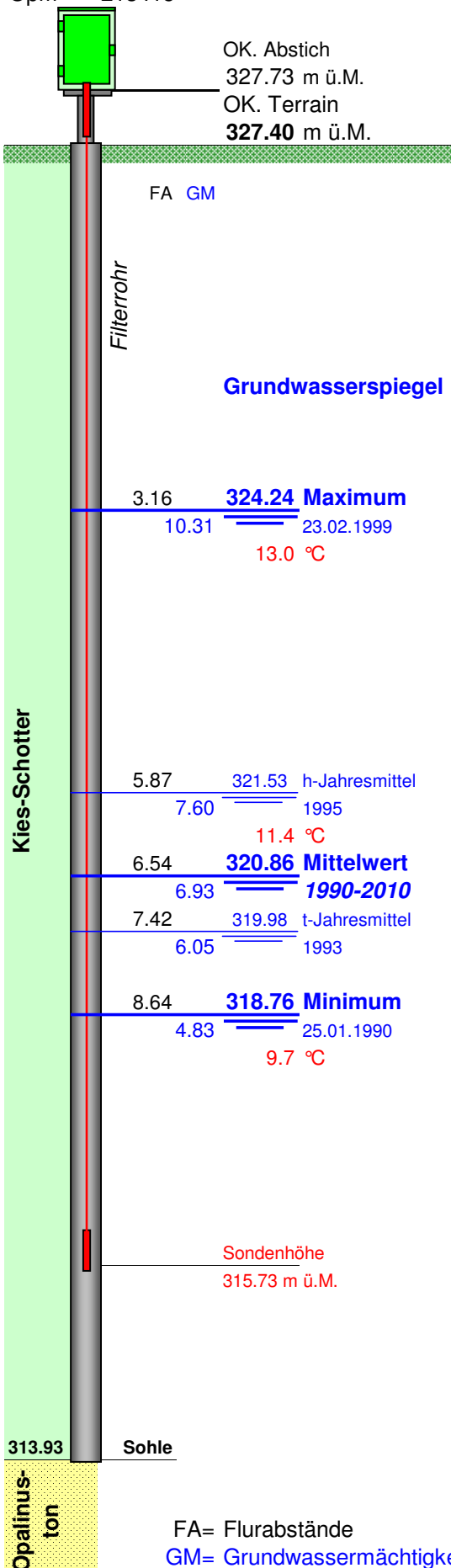
Opm 213415

Hanro

Koordinaten: 622'759.24 / 258'254.75

Messwerte: **Grundwasserspiegel**
Temperatur (ab August 2006)

OK. Abstich
327.73 m ü.M.
OK. Terrain
327.40 m ü.M.



FA= Flurabstände
GM= Grundwassermächtigkeit in m