

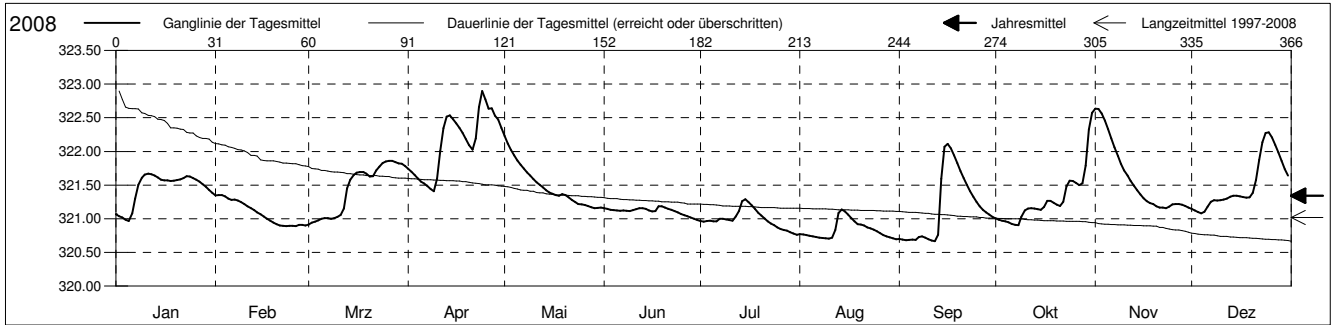
Grundwasserstände



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

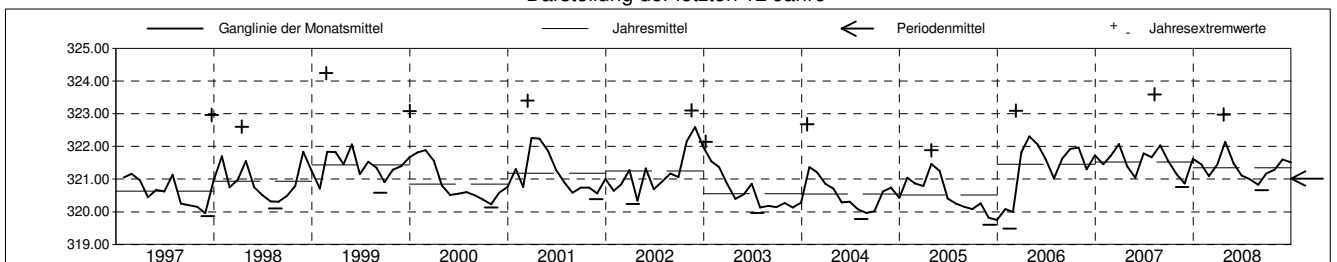
Amt für Umweltschutz und Energie  
 Kanton Basel-Landschaft  
 Koordinaten: 622759.25 / 258254.75

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	321.06	321.35 +	320.91 -	321.74	322.23 +	321.15	320.97	320.77	320.70	321.00	322.63 +	321.15	1
2	321.04	321.35 +	320.94	321.70	322.12	321.15	320.95	320.77	320.69	320.98	322.63 +	321.12	2
3	321.02	321.35 +	320.96	321.65	322.02	321.13	320.96	320.75	320.68	320.97	322.56	321.10	3
4	320.99	321.33	320.98	321.60	321.94	321.13	320.97	320.75	320.68	320.96	322.46	321.08 -	4
5	320.96 -	321.30	321.00	321.55	321.87	321.12	320.96	320.74	320.69	320.95	322.33	321.10	5
Tagesmittel													
6	321.08	321.28	321.01	321.52	321.80	321.12	320.96	320.73	320.69	320.92	322.19	321.18	6
7	321.30	321.28	321.01	321.48	321.74	321.12	321.00	320.72	320.73	320.91 -	322.06	321.25	7
8	321.50	321.27	321.00	321.44	321.69	321.12	321.00	320.71	320.74	320.91 -	321.93	321.28	8
9	321.61	321.25	321.01	321.41 -	321.64	321.11	320.99	320.71	320.72	321.03	321.82	321.27	9
10	321.65	321.22	321.03	321.59	321.59	321.13	320.98	320.71	320.70	321.12	321.72	321.27	10
11	321.67 +	321.19	321.06	322.01	321.54	321.14	320.97	320.72	320.68	321.15	321.64	321.28	11
12	321.66	321.16	321.15	322.35	321.50	321.16	321.04	320.83	320.67 -	321.16	321.56	321.30	12
13	321.64	321.13	321.45	322.52	321.46	321.16	321.11	321.09	320.76	321.15	321.49	321.33	13
14	321.61	321.10	321.58	322.54	321.42	321.14	321.26	321.14 +	321.60	321.14	321.42	321.34	14
15	321.58	321.07	321.65	322.48	321.39	321.13	321.29 +	321.11	322.07	321.13	321.36	321.34	15
16	321.57	321.03	321.68	322.42	321.37	321.11	321.25	321.06	322.11 +	321.17	321.31	321.33	16
17	321.57	321.00	321.69	322.35	321.35	321.11	321.20	321.01	322.04	321.26	321.26	321.32	17
18	321.56	320.97	321.69	322.27	321.34	321.18	321.15	320.96	321.94	321.27	321.23	321.31	18
19	321.57	320.94	321.67	322.18	321.36	321.19 +	321.09	320.92	321.83	321.24	321.22	321.32	19
20	321.58	320.92	321.63	322.09	321.35	321.17	321.05	320.92	321.71	321.21	321.19	321.38	20
21	321.58	320.90	321.63	322.03	321.32	321.15	321.00	320.90	321.61	321.19	321.16 -	321.58	21
22	321.60	320.89 -	321.72	322.19	321.28	321.13	320.96	320.87	321.50	321.25	321.17	321.88	22
23	321.63	320.89 -	321.77	322.66	321.25	321.11	320.93	320.86	321.41	321.48	321.16 -	322.14	23
24	321.63	320.89 -	321.83	322.90 +	321.22	321.09	320.90	320.84	321.33	321.56	321.18	322.27	24
25	321.60	320.89 -	321.85	322.77	321.21	321.07	320.87	320.81	321.25	321.56	321.21	322.28 +	25
26	321.58	320.89 -	321.86 +	322.63	321.20	321.05	320.85	320.79	321.19	321.53	321.22	322.21	26
27	321.55	320.91	321.86 +	322.64	321.19	321.04	320.83	320.76	321.13	321.50	321.22	322.10	27
28	321.51	320.91	321.84	322.53	321.17	321.02	320.82	320.74	321.09	321.53	321.21	321.99	28
29	321.47	320.90	321.82	322.47	321.16 -	321.00	320.80	320.72	321.06	321.79	321.19	321.86	29
30	321.43		321.82	322.35	321.16 -	320.98 -	320.78	320.71	321.03	322.33	321.17	321.74	30
31	321.38		321.78		321.16 -		320.76 -	320.70 -	320.70 -	322.57 +		321.64	31
Monatsmittel	321.46	321.09	321.45	322.14 +	321.49	321.11	320.99	320.83 -	321.17	321.29	321.60	321.51	
Maximum	321.68	321.36	321.86	322.97 +	322.29	321.19	321.30	321.14 -	322.12	322.61	322.72	322.30	
Datum	11.01	01.02	27.03	24.04	01.05	18.06	14.07	14.08	16.09	31.10	02.11	25.12	
Amplitude	0.72	0.48	0.97	1.57	1.13	0.22	0.55	0.45	1.46	1.71	1.57	1.22	
Jahr 2008	Mittel	321.34 m ü.M.		Maximum	322.97 (24.Apr)			Minimum	320.66 (12.Sep)			Amplitude	2.31 m



Periode	1997 - 2008												
Monatsmittel	321.18	321.12	321.39 +	321.27	321.15	320.91	320.80	320.75	320.72 -	320.91	320.95	321.08	
Maximum	323.08	324.24 +	323.40	323.07	323.90	322.52 -	322.54	323.59	323.00	323.00	323.10	323.12	
Jahr	2000	1999	2001	2001	1999	2007	1999	2007	2006	2006	2002	1999	
Minimum	319.79	319.48 -	320.32 +	320.24	320.11	320.07	319.97	319.78	319.95	319.91	319.62	319.60	
Jahr	2006	2006	2006	2002	2004	2004	2003	2004	2004	2004	2005	2005	
Amplitude	2.61	3.37 +	2.98	1.99	2.73	1.83	1.64 -	2.39	1.88	2.25	1.76	3.09	
Jahr	2004	1999	2001	1998	1999	2003	1999	2007	2006	2004	2004	1997	
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**



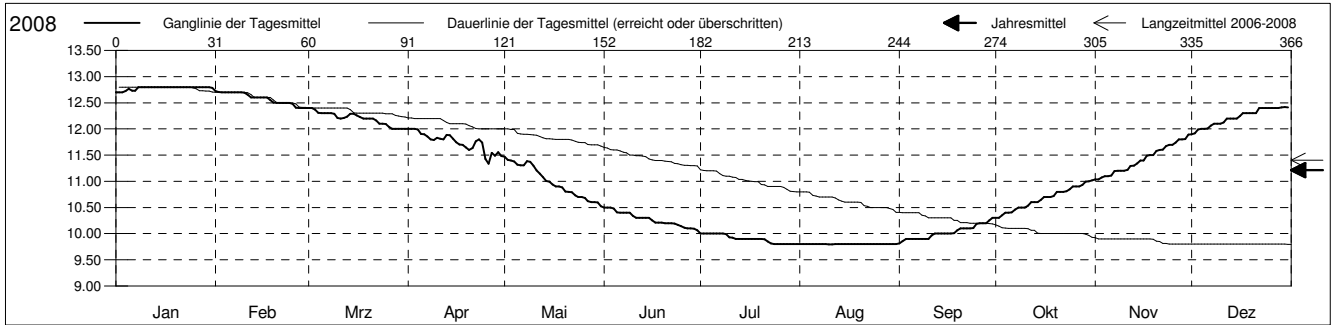
Frenketal

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

**Amt für Umweltschutz und Energie**

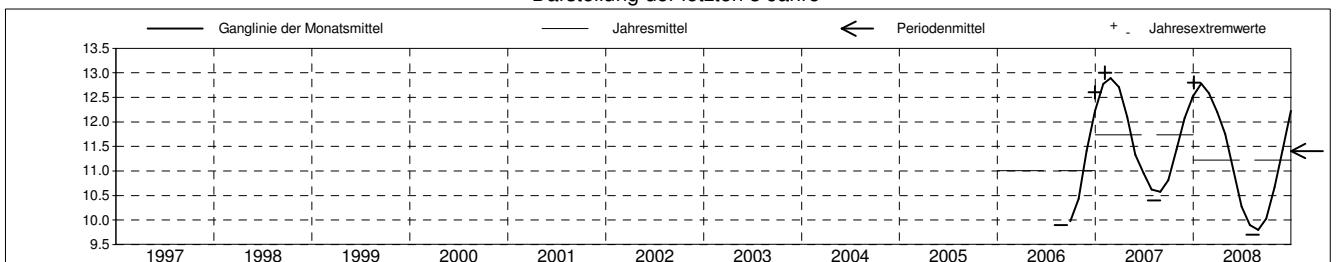
**Kanton Basel-Landschaft**  
 Koordinaten: 622759.25 / 258254.75

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	12.7 -	12.7 +	12.4 +	12.0 +	11.5 +	10.5 +	10.0 +	9.8 +	9.8 -	10.3 -	11.0 -	11.9 -	1
2	12.7 -	12.7 +	12.4 +	12.0 +	11.4	10.5 +	10.0 +	9.8 +	9.9	10.3 -	11.0 -	11.9 -	2
3	12.7 -	12.7 +	12.4 +	12.0 +	11.4	10.5 +	10.0 +	9.8 +	9.9	10.4	11.1	12.0	3
4	12.7 -	12.7 +	12.3	12.0 +	11.4	10.5 +	10.0 +	9.8 +	9.9	10.4	11.1	12.0	4
5	12.8 +	12.7 +	12.3	11.9	11.3	10.4	10.0 +	9.8 +	9.9	10.4	11.1	12.0	5
Tagesmittel													
6	12.7 -	12.7 +	12.3	11.9	11.3	10.4	10.0 +	9.8 +	9.9	10.4	11.1	12.0	6
7	12.7 -	12.7 +	12.3	11.9	11.3	10.4	10.0 +	9.8 +	9.9	10.5	11.2	12.1	7
8	12.8 +	12.7 +	12.3	11.8	11.4	10.4	10.0 +	9.8 +	9.9	10.5	11.2	12.1	8
9	12.8 +	12.7 +	12.3	11.8	11.4	10.4	10.0 +	9.8 +	9.9	10.5	11.2	12.1	9
10	12.8 +	12.7 +	12.2	11.8	11.3	10.3	9.9	9.8 +	9.9	10.5	11.2	12.1	10
11	12.8 +	12.7 +	12.2	11.8	11.2	10.3	9.9	9.8 +	10.0	10.5	11.2	12.1	11
12	12.8 +	12.6	12.2	11.8	11.1	10.3	9.9	9.8 +	10.0	10.6	11.3	12.2	12
13	12.8 +	12.6	12.2	11.9	11.1	10.3	9.9	9.8 +	10.0	10.6	11.3	12.2	13
14	12.8 +	12.6	12.3	11.9	11.0	10.3	9.9	9.8 +	10.0	10.6	11.3	12.2	14
15	12.8 +	12.6	12.3	11.8	11.0	10.3	9.9	9.8 +	10.0	10.6	11.4	12.2	15
Max. +													
16	12.8 +	12.6	12.3	11.7	10.9	10.3	9.9	9.8 +	10.0	10.7	11.4	12.3	16
17	12.8 +	12.6	12.2	11.7	10.9	10.2	9.9	9.8 +	10.0	10.7	11.5	12.3	17
18	12.8 +	12.6	12.2	11.7	10.9	10.2	9.9	9.8 +	10.0	10.7	11.5	12.3	18
19	12.8 +	12.5	12.2	11.6	10.9	10.2	9.9	9.8 +	10.1	10.7	11.5	12.3	19
20	12.8 +	12.5	12.2	11.6	10.8	10.2	9.9	9.8 +	10.1	10.8	11.6	12.3	20
Min. -													
21	12.8 +	12.5	12.2	11.6	10.8	10.2	9.9	9.8 +	10.1	10.8	11.6	12.3	21
22	12.8 +	12.5	12.2	11.8	10.8	10.2	9.9	9.8 +	10.1	10.8	11.6	12.4 +	22
23	12.8 +	12.5	12.1	11.8	10.7	10.2	9.8 -	9.8 +	10.1	10.8	11.7	12.4 +	23
24	12.8 +	12.5	12.1	11.7	10.7	10.2	9.8 -	9.8 +	10.1	10.8	11.7	12.4 +	24
25	12.8 +	12.5	12.1	11.4	10.7	10.1 -	9.8 -	9.8 +	10.2	10.9	11.7	12.4 +	25
26	12.8 +	12.4 -	12.0 -	11.3 -	10.7	10.1 -	9.8 -	9.8 +	10.2	10.9	11.7	12.4 +	26
27	12.8 +	12.4 -	12.0 -	11.5	10.6	10.1 -	9.8 -	9.8 +	10.2	10.9	11.8	12.4 +	27
28	12.8 +	12.4 -	12.0 -	11.5	10.6	10.1 -	9.8 -	9.8 +	10.2	10.9	11.8	12.4 +	28
29	12.8 +	12.4 -	12.0 -	11.6	10.6	10.1 -	9.8 -	9.8 +	10.3 +	11.0 +	11.8	12.4 +	29
30	12.8 +	12.4 -	12.0 -	11.5	10.6	10.1 -	9.8 -	9.8 +	10.3 +	11.0 +	11.9 +	12.4 +	30
31	12.8 +	12.4 -	12.0 -	10.5 -	10.5 -	10.5 -	9.8 -	9.8 +	9.8 +	11.0 +	11.9 +	12.4 +	31
Monatsmittel	12.8 +	12.6	12.2	11.7	11.0	10.3	9.9	9.8 -	10.0	10.7	11.4	12.2	
Maximum	12.8 +	12.8 +	12.4	12.0	11.5	10.5	10.0	9.8 -	10.3	11.1	11.9	12.5	
Datum	04.01	01.02	01.03	01.04	01.05	01.06	01.07	01.08	29.09	31.10	29.11	29.12	
Minimum	12.7 +	12.4	12.0	11.3	10.5	10.0	9.8	9.7 -	9.8	10.3	11.0	11.9	
Datum	01.01	25.02	25.03	26.04	30.05	29.06	21.07	10.08	01.09	01.10	01.11	01.12	
Amplitude	0.1	0.4	0.4	0.7	1.0	0.5	0.2	0.1	0.5	0.8	0.9	0.6	
Jahr 2008	Mittel	11.2 °C		Maximum	12.8 (04.Jan)		Minimum	9.7 (10.Aug)		Amplitude	3.1 °C		



Periode	2006 - 2008												
Monatsmittel	12.8 +	12.7	12.5	11.9	11.2	10.6	10.3	10.2 -	10.3	10.8	11.6	12.3	
Maximum	12.9	13.0 +	12.9	12.5	11.6	11.1	10.8 -	11.0	11.1	11.8	12.4	12.7	
Jahr	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	
Minimum	12.6 +	12.4	12.0	11.3	10.5	10.0	9.8	9.7 -	9.8	10.1	10.8	11.9	
Jahr	2007	2008	2008	2008	2008	2008	2008	2008	2008	2006	2006	2006	
Amplitude	0.3 -	0.4	0.4	0.9	1.0	0.5	0.3 -	0.6	0.5	0.8	1.1 +	0.7	
Jahr	2007	2008	2007	2007	2008	2008	2007	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 3 Jahre



# Grundwasserspiegel im Frenketal

Station 39.H.7 Liestal

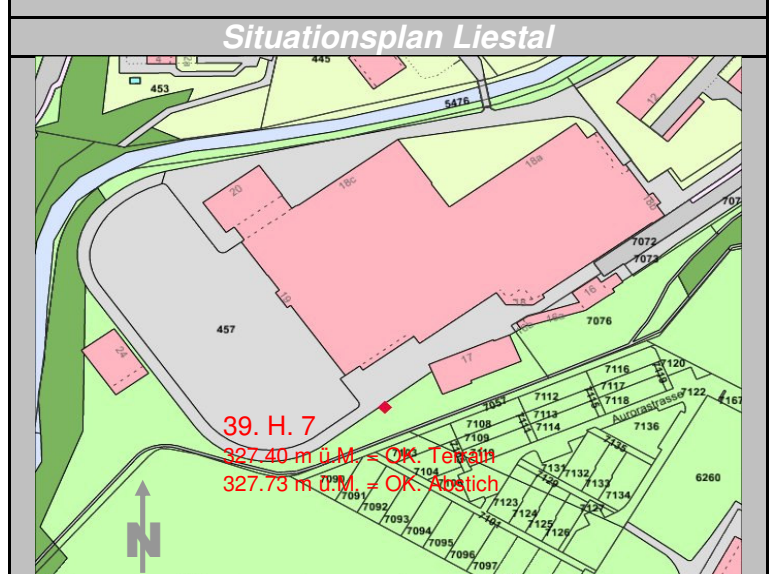
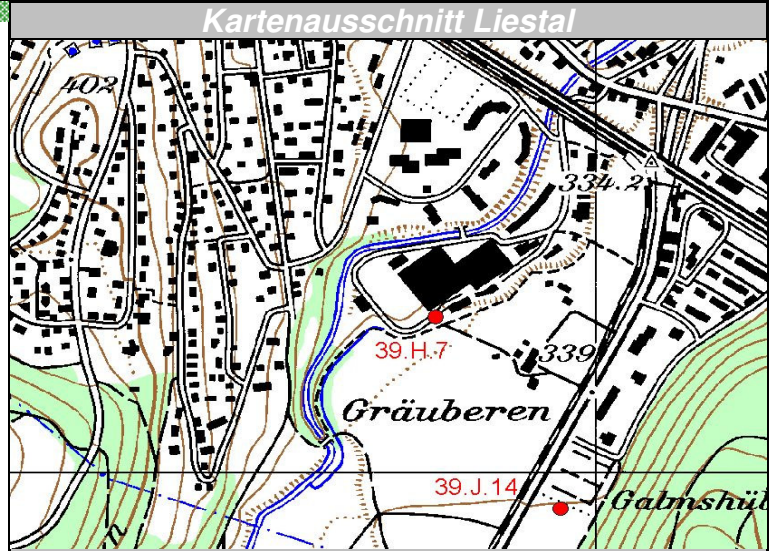
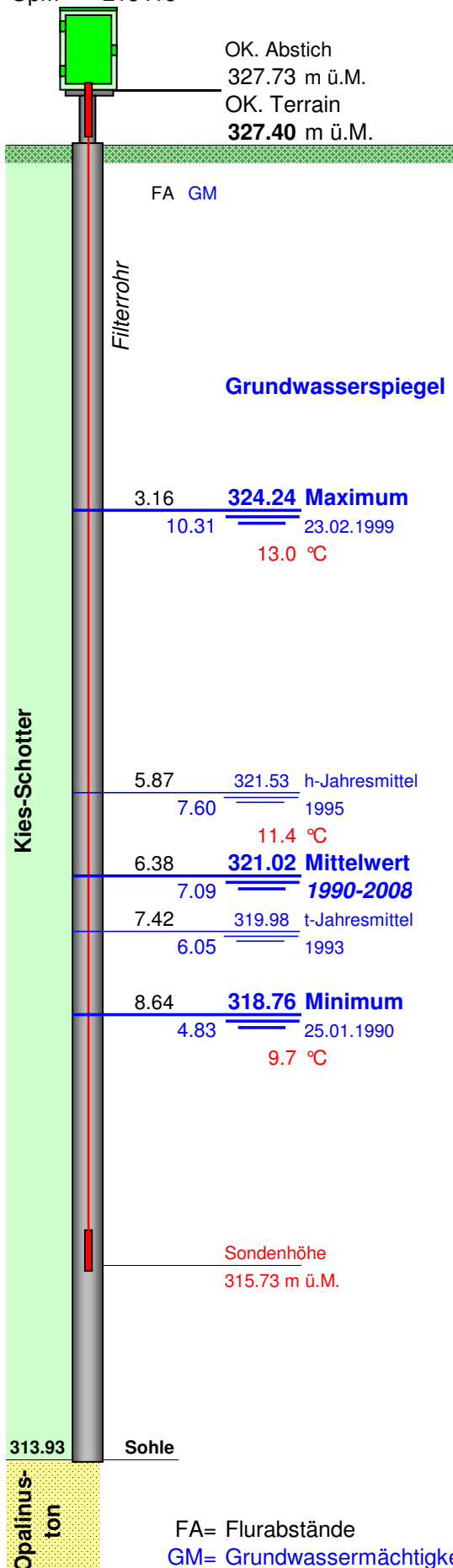
Opm 213415

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