

Abfluss



Hintere Frenke - Bubendorf, Morgental

Stationsnummer: BL 4309

Einzugsgebiet: 38.20 km²

Höhe Station: 352.00 m ü. M.

Kanton Basel-Landschaft

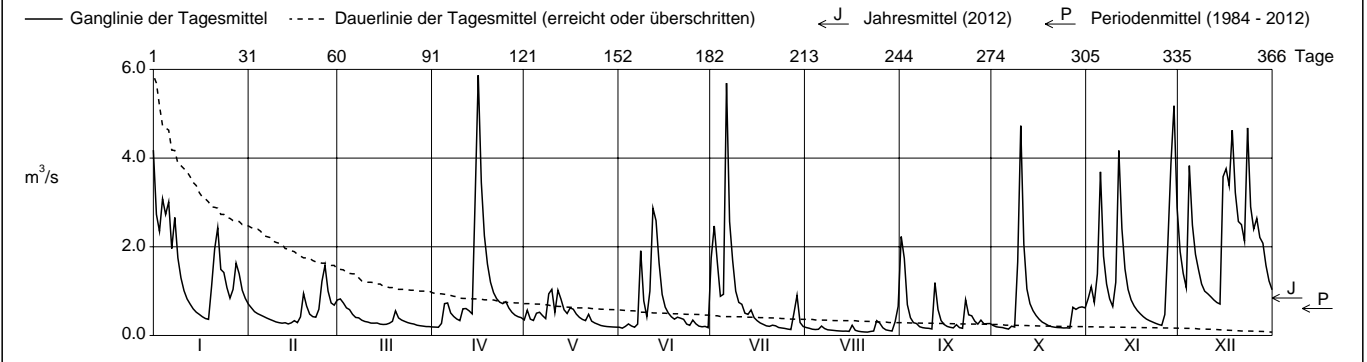
Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 622 270 / 256 550

Mittlere Höhe: 603.00 m ü. M.

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	4.18 +	0.707	0.800	0.192	0.350	0.186	1.75	0.179	2.23 +	0.225	0.834	1.89	1
2	2.73	0.622	0.824+	0.189	0.570	0.165 -	2.47	0.163	1.74	0.196	1.10	1.40	2
3	2.35	0.538	0.733	0.185 -	0.368	0.205	1.65	0.141	0.694	0.186	0.745	1.08	3
4	3.08	0.493	0.623	0.271	0.339	0.260	0.884	0.134	0.401	0.179	1.39	3.83	4
5	2.73	0.460	0.583	0.718	0.502	0.214	0.929	0.140	0.289	0.160	3.69	2.49	5
Tagesmittel													
6	3.01	0.427	0.476	0.733	0.524	0.186	5.69 +	0.212	0.269	0.144 -	1.79	1.83	6
7	1.96	0.393	0.407	0.508	0.446	0.256	2.57	0.156	0.197	0.209	1.16	1.48	7
8	2.66	0.363	0.397	0.428	0.381	1.91	1.69	0.128	0.176	0.191	0.826	1.16	8
9	1.75	0.335	0.345	0.371	0.939	0.782	1.00	0.121	0.166	1.66	0.654	1.00	9
10	1.30	0.306	0.316	0.335	1.04 +	0.425	0.746	0.114	0.161	4.73 +	1.20	0.942	10
11	1.01	0.289	0.302	0.602	0.521	1.00	0.703	0.106	0.147 -	2.06	4.17	0.874	11
12	0.825	0.277	0.279	0.607	1.02	2.87 +	0.503	0.101	1.19	1.05	2.41	0.801	12
13	0.708	0.287	0.278	0.557	0.817	2.59	0.476	0.097	0.584	0.718	1.50	0.743	13
m³/s													
14	0.600	0.260 -	0.281	0.489	0.579	1.63	0.576	0.099	0.336	0.559	1.04	0.709 -	14
15	0.525	0.285	0.256	3.12	0.496	0.925	0.402	0.092	0.248	0.450	0.803	3.58	15
16	0.475	0.334	0.248	5.87 +	0.622	0.639	0.333	0.230	0.204	0.366	0.664	3.76	16
17	0.422	0.290	0.252	3.45	0.592	0.507	0.282	0.117	0.184	0.302	0.564	3.38	17
18	0.382	0.420	0.276	2.25	0.482	0.422	0.250	0.096	0.171	0.265	0.489	4.63	18
19	0.364 -	0.945	0.319	1.61	0.409	0.368	0.217	0.085	0.243	0.224	0.423	3.22	19
20	1.11	0.664	0.555	1.20	0.362	0.412	0.206	0.079	0.177	0.200	0.370	2.57	20
+ Maximum													
21	1.95	0.481	0.396	0.965	0.335	0.390	0.232	0.076 -	0.162	0.187	0.334	2.50	21
22	2.43	0.425	0.348	0.829	0.477	0.364	0.218	0.091	0.804	0.179	0.304	2.13	22
23	1.49	0.412	0.318	0.751	0.323	0.257	0.180	0.100	0.466	0.176	0.274	4.68 +	23
24	1.42	0.591	0.290	0.718	0.282	0.229	0.169	0.334	0.444	0.169	0.248	2.90	24
25	1.08	1.22	0.271	0.763	0.254	0.347	0.159	0.278	0.323	0.172	0.328 -	2.40	25
- Minimum													
26	0.841	1.58 +	0.258	0.618	0.225	0.263	0.144	0.174	0.257	0.166	0.473	2.64	26
27	1.04	1.00	0.232	0.522	0.211	0.211	0.134 -	0.127	0.346	0.636	2.10	2.21	27
28	1.63	0.734	0.220	0.459	0.201	0.196	0.506	0.112	0.261	0.588	3.88	2.08	28
29	1.39	0.684	0.211	0.423	0.196	0.205	0.903	0.100	0.267	0.631	5.18 +	1.58	29
30	1.02		0.201	0.402	0.191	0.176	0.292	0.308	0.269	0.645	2.89	1.23	30
31	0.836		0.200 -		0.188 -		0.203	0.656+		0.622		1.03	31
Monatsumme	1.53	0.546	0.371	1.00	0.460	0.620	0.854	0.160-	0.447	0.589	1.39	2.15 +	m ³ /s
Maximum (Spitze)	6.35 01.	1.78 26.	0.974- 01.	6.69 16.	4.42 09.	4.52 12.	19.0 + 06.	2.34 31.	3.18 01.	15.8 10.	6.98 29.	7.84 23.	m ³ /s Datum

Jahresmittel 0.845 m³/s



Periode	1984 - 2012 (29 Jahre)												
Monatsumme	0.773	0.703	0.882+	0.872	0.630	0.518	0.371	0.286-	0.337	0.443	0.628	0.857	m ³ /s
Maximum (Spitze)	8.53 - 1995	14.8 1999	17.6 2001	21.1 2006	24.9 1999	19.6 1990	19.0 2012	30.1 + 2007	15.3 2006	15.8 2012	16.0 1995	12.8 2010	m ³ /s Jahr
Minimum (Momentanwert)	0.095 1989	0.084 1989	0.093 1986	0.112+ 1996	0.057 2011	0.053 1989	0.046 1984	0.020 1984	0.016- 1984	0.051 1985	0.060 1985	0.025 1986	m ³ /s Jahr

Grösstes Jahresmittel 0.952 (1999) m³/s **Periodenmittel** 0.608 m³/s **Kleinstes Jahresmittel** 0.283 (1989) m³/s

Dauer der Tagesmittelwerte des Abflusses (erreicht oder überschritten)													
Tage	1	3	6	9	18	36	55	73	91	114	137	160	
2012	5.87	5.18	4.63	3.88	3.08	2.35	1.65	1.19	1.00	0.763	0.636	0.525	m ³ /s
1984 - 2012	5.31	3.78	3.08	2.73	2.08	1.49	1.12	0.883	0.723	0.581	0.474	0.390	m ³ /s
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2012	0.459	0.390	0.334	0.279	0.250	0.211	0.191	0.172	0.134	0.101	0.092	0.079	m ³ /s
1984 - 2012	0.328	0.275	0.232	0.195	0.169	0.150	0.131	0.112	0.092	0.079	0.066	0.026	m ³ /s

Wasserstand



Hintere Frenke - Bubendorf, Morgental

Stationsnummer: BL 4309

Einzugsgebiet: 38.20 km²

Höhe Station: 352.00 m ü. M.

Kanton Basel-Landschaft

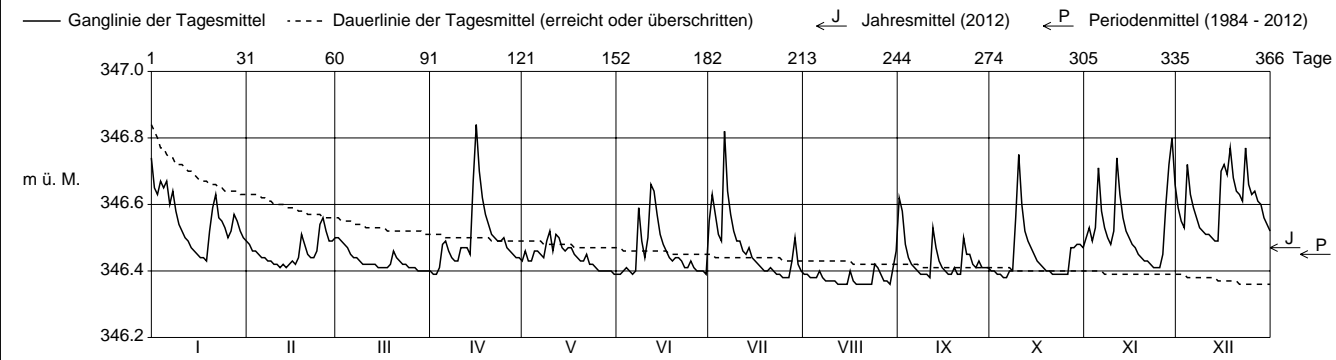
Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 622 270 / 256 550

Mittlere Höhe: 603.00 m ü. M.

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 346.74 +	346.49	346.50 +	346.40	346.43	346.39 -	346.55	346.39	346.62 +	346.40	346.50	346.59	1
	2 346.65	346.48	346.50 +	346.39 -	346.46	346.39 -	346.63	346.39	346.58	346.40	346.53	346.55	2
	3 346.63	346.46	346.49	346.39 -	346.43	346.40	346.57	346.38	346.48	346.39	346.49	346.53	3
	4 346.67	346.46	346.48	346.41	346.43	346.41	346.51	346.38	346.44	346.39	346.53	346.72	4
	5 346.65	346.45	346.47	346.48	346.46	346.40	346.49	346.38	346.42	346.38 -	346.71	346.63	5
	6 346.67	346.44	346.45	346.49	346.46	346.39 -	346.82 +	346.40	346.41	346.38 -	346.58	346.59	6
	7 346.60	346.44	346.44	346.46	346.45	346.40	346.64	346.38	346.40	346.40	346.53	346.56	7
	8 346.64	346.43	346.44	346.44	346.44	346.59	346.57	346.37	346.39	346.40	346.50	346.53	8
	9 346.58	346.43	346.43	346.43	346.49	346.49	346.52	346.37	346.39	346.56	346.48	346.52	9
	10 346.54	346.42	346.42	346.43	346.52 +	346.44	346.49	346.37	346.39	346.75 +	346.52	346.51	10
	11 346.52	346.42	346.42	346.47	346.46	346.50	346.49	346.37	346.38 -	346.60	346.74	346.51	11
	12 346.50	346.41 -	346.42	346.47	346.51	346.66 +	346.46	346.36 -	346.53	346.52	346.63	346.50	12
	13 346.49	346.42	346.42	346.47	346.50	346.64	346.45	346.36 -	346.47	346.49	346.56	346.49 -	13
m ü. M.	14 346.47	346.41 -	346.42	346.45	346.47	346.57	346.47	346.36 -	346.43	346.47	346.52	346.49 -	14
	15 346.46	346.42	346.41	346.67	346.46	346.51	346.44	346.36 -	346.41	346.45	346.50	346.70	15
	16 346.45	346.43	346.41	346.84 +	346.47	346.48	346.43	346.40	346.40	346.43	346.48	346.72	16
	17 346.44	346.42	346.41	346.70	346.47	346.46	346.42	346.37	346.39	346.42	346.47	346.69	17
	18 346.44	346.44	346.41	346.62	346.45	346.44	346.41	346.36 -	346.39	346.41	346.45	346.77 +	18
	19 346.43	346.51	346.42	346.57	346.44	346.43	346.40	346.36 -	346.41	346.40	346.44	346.68	19
	20 346.52	346.48	346.46	346.54	346.43	346.44	346.40	346.36 -	346.39	346.40	346.43	346.64	20
	21 346.59	346.45	346.44	346.51	346.43	346.44	346.41	346.36 -	346.39	346.39	346.43	346.63	21
	22 346.63	346.44	346.43	346.50	346.45	346.43	346.40	346.36 -	346.50	346.39	346.42	346.61	22
+ Maximum	23 346.56	346.44	346.42	346.49	346.42	346.41	346.39	346.36 -	346.45	346.39	346.41 -	346.77 +	23
	24 346.55	346.46	346.42	346.49	346.42	346.41	346.39	346.42	346.45	346.39	346.41 -	346.66	24
	25 346.53	346.54	346.41	346.50	346.41	346.43	346.38 -	346.41	346.42	346.39	346.41 -	346.63	25
- Minimum	26 346.50	346.56 +	346.41	346.47	346.40	346.41	346.38 -	346.39	346.41	346.39	346.45	346.64	26
	27 346.52	346.52	346.41	346.46	346.40	346.40	346.38 -	346.37	346.43	346.47	346.60	346.61	27
	28 346.57	346.49	346.40 -	346.45	346.40	346.40	346.43	346.37	346.41	346.47	346.72	346.60	28
	29 346.55	346.49	346.40 -	346.44	346.40	346.40	346.50	346.36 -	346.41	346.48	346.80 +	346.56	29
	30 346.52		346.40 -	346.44	346.40	346.39 -	346.42	346.41	346.41	346.48	346.66	346.54	30
	31 346.50		346.40 -		346.39 -		346.40	346.46 +		346.47	346.52	346.52	31
Monatsmittel	346.55	346.46	346.43	346.50	346.44	346.45	346.47	346.38 -	346.43	346.44	346.53	346.60 +	m ü. M.
Maximum (Spitze)	346.86 01.	346.58 26.	346.52 - 01.	346.88 16.	346.76 09.	346.77 12.	347.36 + 06.	346.62 31.	346.68 01.	347.25 10.	346.90 29.	346.93 23.	m ü. M. Datum

Jahreswerte in m ü. M. Mittel 346.47 Maximum 346.84 (16.04.2012) Minimum 346.36 (21.08.2012) Spitze 347.36 (06.07.2012)



Periode	1984 - 2012 (29 Jahre)												
Monatsmittel	346.47	346.47	346.49 +	346.49 +	346.46	346.44	346.41	346.40 -	346.41	346.43	346.45	346.48	m ü. M.
Maximum (Spitze)	346.93 - 1986	347.14 1999	347.22 2001	347.43 2006	347.38 1999	347.29 1990	347.36 2012	347.70 + 2007	347.23 2006	347.25 2012	347.17 1995	347.14 2010	m ü. M. Jahr
Minimum (Momentanwert)	346.37 + 1989	346.36 1989	346.37 + 1986	346.37 + 1996	346.35 2011	346.34 1989	346.34 1984	346.32 - 1984	346.32 - 1984	346.34 1985	346.35 1985	346.33 1986	m ü. M. Jahr

Grösstes Jahresmittel 346.49 (1999) m ü. M. **Periodenmittel** 346.45 m ü. M. **Kleinste Jahresmittel** 346.41 (1989) m ü. M.

Dauer der Tagesmittelwerte des Wasserstandes (erreicht oder überschritten)													
Tage	1	3	6	9	18	36	55	73	91	114	137	160	
2012	346.84	346.80	346.75	346.72	346.67	346.63	346.57	346.53	346.51	346.49	346.48	346.46	m ü. M.
1984 - 2012	346.80	346.71	346.67	346.64	346.60	346.56	346.53	346.51	346.49	346.47	346.45	346.44	m ü. M.
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2012	346.45	346.44	346.43	346.42	346.41	346.40	346.40	346.39	346.38	346.36	346.36	346.36	m ü. M.
1984 - 2012	346.43	346.42	346.41	346.40	346.39	346.39	346.38	346.37	346.36	346.36	346.35	346.33	m ü. M.