

Abfluss



Vordere Frenke - Bubendorf, Talhaus

Stationsnummer: BL 4319

Einzugsgebiet: 45.60 km²

Höhe Station: 371.00 m ü. M.

Kanton Basel-Landschaft

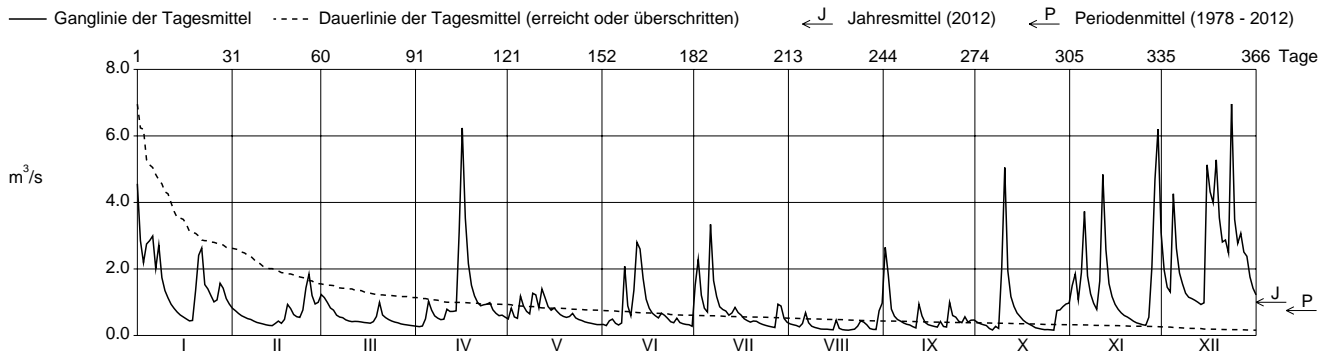
Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 623 420 / 255 510

Mittlere Höhe: 647.00 m ü. M.

2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
1	4.56 +	0.819	1.23 +	0.278	0.496	0.332	1.51	0.347	2.65 +	0.401	1.50	1.97	1
2	2.85	0.745	1.14	0.265 -	0.821	0.297	2.29	0.322	1.82	0.355	1.85	1.45	2
3	2.19	0.662	0.992	0.284	0.558	0.442	1.21	0.300	0.793	0.324	1.07	1.31	3
4	2.75	0.594	0.827	0.498	0.516	0.492	0.819	0.260	0.580	0.299	1.89	4.26	4
5	2.85	0.550	0.761	1.03	1.18	0.367	0.705	0.359	0.480	0.208	3.73	2.62	5
Tagesmittel													
6	2.99	0.506	0.611	0.763	0.882	0.315	3.34 +	0.684	0.432	0.165	1.79	1.88	6
7	2.01	0.482	0.554	0.590	0.724	0.375	1.65	0.383	0.375	0.274	1.25	1.55	7
8	2.72	0.433	0.535	0.521	0.650	2.08	1.17	0.279	0.337	0.213	0.968	1.27	8
9	1.74	0.392	0.470	0.476	1.27	0.891	0.863	0.242	0.316	2.01	0.785	1.15	9
10	1.35	0.369	0.436	0.489	1.22	0.594	0.781	0.218	0.265	5.05 +	1.64	1.11	10
11	1.13	0.346	0.416	0.790	0.830	1.36	0.735	0.193	0.227 -	1.94	4.84	1.06	11
12	0.940	0.320	0.424	0.722	1.40 +	2.80 +	0.610	0.189	0.943	1.17	2.58	1.00	12
13	0.813	0.303	0.420	0.724	1.14	2.60	0.678	0.189	0.587	0.874	1.56	0.932 -	13
m³/s													
14	0.703	0.296 -	0.407	0.741	0.870	1.72	0.843	0.178	0.394	0.677	1.17	0.981	14
15	0.616	0.361	0.390	3.13	0.759	1.09	0.690	0.171	0.325	0.568	0.935	5.13	15
16	0.556	0.433	0.381	6.24 +	0.825	0.820	0.610	0.461	0.297	0.460	0.787	4.32	16
17	0.496	0.366	0.369	3.53	0.719	0.672	0.501	0.215	0.273	0.388	0.679	3.99	17
18	0.438 -	0.483	0.417	2.16	0.626	0.593	0.446	0.176	0.252	0.339	0.600	5.28	18
19	0.452	0.933	0.570	1.51	0.573	0.528	0.402	0.164	0.421	0.290	0.555	3.54	19
20	1.35	0.810	0.994	1.19	0.544	0.669	0.435	0.159 -	0.271	0.233	0.495	2.81	20
21	2.41	0.629	0.616	0.994	0.571	0.606	0.426	0.175	0.254	0.212	0.429	2.87	21
22	2.63	0.564	0.536	0.893	0.663	0.515	0.370	0.190	0.996	0.191	0.380	2.48	22
+ Maximum													
23	1.53	0.544	0.478	0.923	0.529	0.413	0.332	0.279	0.599	0.175	0.353	6.96 +	23
24	1.40	0.766	0.434	0.940	0.479	0.383	0.303	0.440	0.553	0.178	0.323	3.49	24
25	1.20	1.43	0.402	0.988	0.450	0.519	0.278	0.401	0.427	0.170	0.305 -	2.77	25
- Minimum													
26	1.01	1.85 +	0.381	0.771	0.409	0.389	0.258	0.320	0.385	0.160 -	0.548	3.07	26
27	1.07	1.20	0.348	0.666	0.385	0.353	0.239 -	0.209	0.562	0.750	2.06	2.51	27
28	1.57	0.947	0.330	0.596	0.367	0.332	0.941	0.183	0.401	0.768	4.68	2.38	28
29	1.42	0.997	0.317	0.611	0.346	0.323	0.885	0.180	0.460	0.869	6.20 +	1.76	29
30	1.11		0.303	0.551	0.327 -	0.277 -	0.511	0.743	0.465	0.947	3.10	1.42	30
31	0.945		0.291 -		0.327 -		0.396	0.972+		0.974		1.22	31
Monatsumme	1.61	0.660	0.541	1.13	0.692	0.771	0.814	0.309-	0.571	0.698	1.64	2.53 +	m ³ /s
Maximum (Spitze)	7.38 01.	2.19 26.	1.57 - 01.	7.16 16.	4.16 09.	4.78 12.	4.78 28.	2.52 31.	3.87 01.	16.5 + 10.	8.98 29.	14.6 23.	m ³ /s Datum

Jahresmittel 0.998 m³/s



Periode	1978 - 2012 (35 Jahre)												
Monatsumme	0.932	0.922	1.09 +	0.956	0.802	0.660	0.509	0.434-	0.445	0.564	0.693	1.01	m ³ /s
Maximum (Spitze)	13.8 - 1995	18.9 1999	18.2 2001	22.5 2006	27.3 + 1999	26.1 1987	22.6 1999	23.4 2007	22.6 2006	16.5 2012	15.9 1995	17.4 1997	m ³ /s Jahr
Minimum (Momentanwert)	0.134 2008	0.136 1986	0.156+ 2011	0.132 2011	0.096 2011	0.083 2003	0.059 2002	0.041 2003	0.024- 1985	0.032 1985	0.068 1985	0.064 1985	m ³ /s Jahr

Grösstes Jahresmittel 1.07 (2006) m³/s **Periodenmittel** 0.750 m³/s **Kleinstes Jahresmittel** 0.347 (2011) m³/s

Dauer der Tagesmittelwerte des Abflusses (erreicht oder überschritten)													
Tage	1	3	6	9	18	36	55	73	91	114	137	160	
2012	6.96	6.20	5.05	4.56	3.13	2.48	1.74	1.35	1.14	0.947	0.820	0.722	m ³ /s
1978 - 2012	6.29	4.54	3.58	3.01	2.24	1.59	1.23	1.03	0.885	0.738	0.633	0.552	m ³ /s
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2012	0.610	0.550	0.480	0.426	0.383	0.347	0.317	0.277	0.209	0.178	0.170	0.160	m ³ /s
1978 - 2012	0.489	0.431	0.376	0.335	0.294	0.261	0.220	0.177	0.135	0.114	0.096	0.044	m ³ /s

Die Abflüsse wurden auch für die Jahre 1975 bis 1977 bestimmt.

Wasserstand



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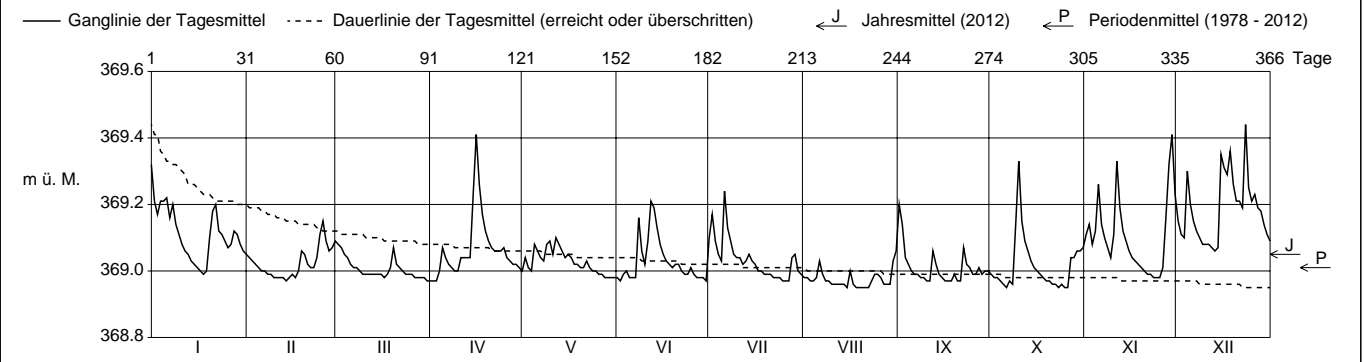
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2012	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	369.32 +	369.05	369.09 +	368.97 -	369.00	368.98	369.10	368.98	369.20 +	368.99	369.11	369.15	1
	369.21	369.04	369.08	368.97 -	369.04	368.97 -	369.17	368.98	369.14	368.98	369.14	369.11	2
	369.17	369.03	369.07	368.97 -	369.01	368.99	369.09	368.97	369.04	368.98	369.08	369.10	3
	369.21	369.02	369.05	369.00	369.00	369.00	369.05	368.97	369.02	368.97	369.12	369.30	4
	369.21	369.01	369.04	369.07	369.08	368.98	369.03	368.98	369.00	368.96	369.26	369.20	5
	369.22	369.00	369.02	369.04	369.06	368.98	369.24 +	369.03	368.99	368.95 -	369.14	369.15	6
	369.16	369.00	369.01	369.02	369.04	368.98	369.13	368.99	368.99	368.97	369.10	369.12	7
	369.20	368.99	369.01	369.01	369.03	369.16	369.09	368.97	368.98	368.96	369.07	369.10	8
	369.14	368.99	369.00	369.00	369.08	369.06	369.05	368.97	368.98	369.14	369.04	369.08	9
	369.11	368.98	368.99	369.00	369.09	369.02	369.04	368.96	368.97 -	369.33 +	369.11	369.08	10
	369.08	368.98	368.99	369.04	369.05	369.09	369.04	368.96	368.97 -	369.15	369.33	369.08	11
	369.06	368.98	368.99	369.04	369.10 +	369.21 +	369.02	368.96	369.06	369.09	369.19	369.07	12
	369.05	368.98	368.99	369.04	369.08	369.19	369.03	368.96	369.02	369.06	369.12	369.06	13
m ü. M.	369.03	368.97 -	368.99	369.04	369.06	369.13	369.05	368.96	368.99	369.03	369.09	369.07	14
	369.02	368.98	368.99	369.23	369.04	369.08	369.03	368.95 -	368.98	369.01	369.06	369.35	15
	369.01	368.99	368.99	369.41 +	369.05	369.05	369.02	369.00	368.97 -	369.00	369.04	369.31	16
	369.00	368.98	368.98	369.26	369.04	369.03	369.00	368.96	368.97 -	368.99	369.03	369.29	17
	368.99 -	369.00	368.99	369.17	369.02	369.02	369.00	368.95 -	368.97 -	368.98	369.02	369.36	18
	369.00	369.06	369.01	369.12	369.02	369.01	368.99	368.95 -	368.99	368.97	369.01	369.26	19
	369.10	369.05	369.07	369.09	369.01	369.02	368.99	368.95 -	368.97 -	368.97	369.00	369.21	20
	369.18	369.02	369.02	369.07	369.01	369.02	368.99	368.95 -	368.97 -	368.96	368.99	369.21	21
	369.20	369.01	369.01	369.06	369.03	369.00	368.98	368.95 -	369.07	368.96	368.99	369.19	22
+ Maximum	369.12	369.01	369.00	369.06	369.01	368.99	368.98	368.97	369.02	368.95 -	368.98	369.44 +	23
	369.11	369.04	368.99	369.06	369.00	368.99	368.98	368.99	369.01	368.96	368.98	369.25	24
	369.09	369.11	368.99	369.07	369.00	369.01	368.97 -	368.99	368.99	368.95 -	368.98	369.21	25
- Minimum	369.07	369.15 +	368.99	369.04	368.99	368.99	368.97 -	368.98	368.99	368.95 -	369.01	369.23	26
	369.08	369.09	368.98	369.03	368.99	368.98	368.97 -	368.96	369.01	369.04	369.16	369.19	27
	369.12	369.06	368.98	369.02	368.98	368.98	369.04	368.96	368.99	369.04	369.32	369.18	28
	369.11	369.07	368.98	369.02	368.98	368.98	369.05	368.96	369.00	369.06	369.41 +	369.14	29
	369.08		368.98	369.01	368.98	368.97 -	369.00	369.03	369.00	369.06	369.23 +	369.11	30
	369.06		368.97 -		368.98		368.99	369.06 +		369.07		369.09	31
Monatsmittel	369.11	369.02	369.01	369.06	369.03	369.03	369.04	368.97 -	369.01	369.02	369.10	369.18 +	m ü. M.
Maximum (Spitze)	369.47 01.	369.17 26.	369.12 01.	369.46 16.	369.30 09.	369.33 12.	369.33 28.	369.19 31.	369.28 01.	369.85 + 10.	369.54 29.	369.77 23.	m ü. M. Datum

Jahreswerte in m ü. M. Mittel 369.05 Maximum 369.44 (23.12.2012) Minimum 368.95 (20.08.2012) Spitze 369.85 (10.10.2012)



Periode	1978 - 2012 (35 Jahre)												
Monatsmittel	369.04	369.04	369.06 +	369.04	369.02	369.00	368.98	368.97 -	368.97 -	368.99	369.00	369.04	m ü. M.
Maximum (Spitze)	369.68 - 1995	369.82 1999	369.81 2001	370.06 2006	370.03 1999	370.00 1987	369.92 1999	370.09 + 2007	370.06 2006	369.85 2012	369.74 1995	369.78 1997	m ü. M. Jahr
Minimum (Momentanwert)	368.93 + 1997	368.92 1986	368.92 1986	368.93 + 1997	368.92 2011	368.90 2003	368.89 - 2002	368.89 - 2003	368.89 - 1985	368.89 - 1985	368.90 1985	368.90 1985	m ü. M. Jahr

Grösstes Jahresmittel 369.05 (2012) m ü. M. **Periodenmittel** 369.01 m ü. M. **Kleinste Jahresmittel** 368.97 (2011) 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	369.44	369.41	369.33	369.32	369.23	369.19	369.13	369.10	369.08	369.06	369.05	369.04	m ü. M.
1978 - 2012	369.41	369.32	369.27	369.23	369.18	369.12	369.09	369.06	369.05	369.03	369.01	369.00	m ü. M.
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2012	369.02	369.01	369.00	368.99	368.99	368.98	368.98	368.97	368.96	368.96	368.95	368.95	m ü. M.
1978 - 2012	368.99	368.98	368.97	368.97	368.96	368.95	368.94	368.94	368.93	368.92	368.91	368.89	m ü. M.