

Abfluss



Hintere Frenke - Bubendorf, Morgental

Stationsnummer: BL 4309

Einzugsgebiet: 38.20 km²

Höhe Station: 352 m ü. M.

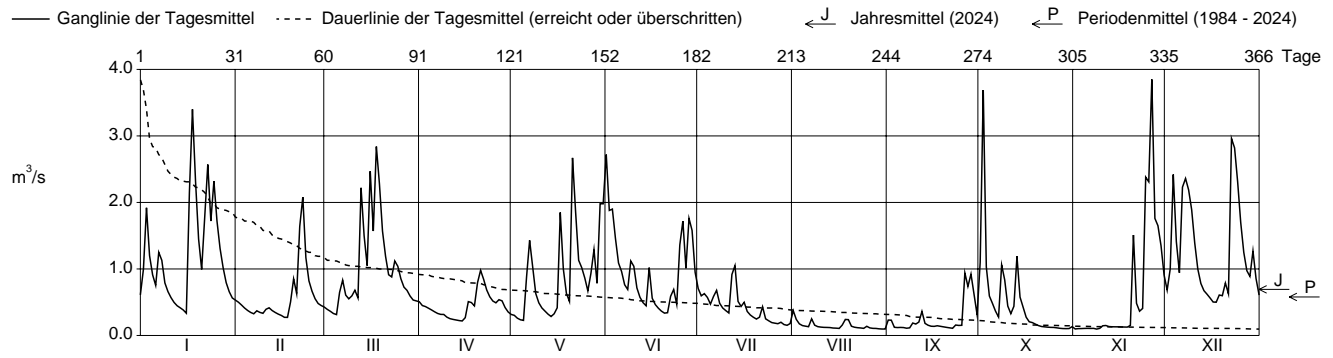
Kanton Basel-Landschaft

Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 2 622 278 / 1 256 550

Mittlere Höhe: 603 m ü. M.

2024		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	0.610	0.532	0.427	0.507	0.316	2.72 +	0.706	0.374+	0.232	1.10	0.098	0.682	1
	2	0.995	0.500	0.392	0.450	0.303	1.88	0.596	0.242	0.230	3.69 +	0.103	0.999	2
	3	1.92	0.458	0.363	0.435	0.260	1.90	0.629	0.175	0.123	1.03	0.104	2.42	3
	4	1.20	0.413	0.330	0.410	0.236	1.46	0.572	0.149	0.119	0.593	0.106	1.41	4
	5	0.912	0.376	0.314 -	0.384	0.227 -	1.09	0.472	0.140	0.121	0.483	0.107	0.943	5
	6	0.754	0.346	0.649	0.356	0.679	0.132	0.333	0.132	0.119	0.367	0.062	2.23	6
	7	1.25	0.326	0.831	0.331	1.43	0.763	0.678	0.250	0.109	0.277	0.107	2.36	7
	8	1.13	0.371	0.607	0.317	1.03	0.692	0.484	0.155	0.115	1.06	0.096 -	2.19	8
	9	0.790	0.347	0.551	0.316	0.631	1.12	0.413	0.133	0.187	0.836	0.107	1.89	9
	10	0.660	0.333	0.595	0.276	0.491	1.04	0.374	0.126	0.172	0.443	0.146	1.39	10
m ³ /s	11	0.569	0.394	0.680	0.253	0.414	0.715	0.338	0.122	0.202	0.328	0.150	0.999	11
	12	0.497	0.416	0.565	0.242	0.367	0.574	0.917	0.121	0.361	0.439	0.174	0.782	12
	13	0.447	0.375	2.22	0.233	0.321	0.494	1.05 +	0.119	0.182	1.19	0.131	0.674	13
	14	0.416	0.346	1.50	0.224	0.385	0.447	0.512	0.112	0.154	0.577	0.130	0.621	14
	15	0.383	0.321	1.05	0.218 -	0.326	1.02	0.437	0.110	0.139	0.426	0.130	0.564	15
	16	0.335 -	0.301	2.47	0.268	0.416	0.560	0.499	0.106	0.137	0.275	0.128	0.503	16
	17	2.15	0.273	1.57	0.509	1.85	0.465	0.361	0.157	0.146	0.206	0.127	0.500 -	17
	18	3.40 +	0.272 -	2.84 +	0.495	1.00	0.410	0.308	0.241	0.138	0.194	0.126	0.608	18
	19	2.32	0.504	2.28	0.445	0.634	0.366	0.274	0.238	0.130	0.171	0.151	0.598	19
	20	1.45	0.851	1.57	0.793	0.512	0.336 -	0.247	0.139	0.122	0.149	1.51	0.788	20
+ Maximum	21	0.993	0.630	1.19	0.979+	2.67 +	0.342	0.275	0.124	0.115	0.235	0.484	0.627	21
	22	1.78	1.64	0.913	0.844	1.86	0.589	0.432	0.117	0.108 -	0.130	0.365	2.96 +	22
	23	2.57	2.08 +	0.880	0.684	1.13	0.691	0.250	0.113	0.157	0.125	0.406	2.82	23
	24	1.72	1.17	1.12	0.582	1.02	0.469	0.221	0.107	0.151	0.122	2.38	2.31	24
	25	2.32	0.821	1.04	0.518	0.864	1.36	0.194	0.138	0.153	0.121	2.31	1.70	25
- Minimum	26	1.72	0.666	0.852	0.491	0.670	1.72	0.185	0.114	0.941+	0.115	3.85 +	1.25	26
	27	1.31	0.553	0.727	0.538	0.933	1.01	0.177	0.107	0.738	0.108	1.76	0.974	27
	28	1.02	0.481	0.678	0.521	1.29	1.76	0.199	0.106	0.923	0.104	1.65	0.889	28
	29	0.794	0.450	0.593	0.420	0.785	1.58	0.164	0.100	0.618	0.103 -	1.35	1.27	29
	30	0.657		0.533	0.353	1.98	0.949	0.153 -	0.097 -	0.311	0.104	0.910	0.856	30
	31	0.564		0.520		1.98		0.179	0.097 -		0.133		0.607	31
Monatsumme	1.21	0.570	0.995	0.446	0.874	0.983	0.416	0.147-	0.248	0.489	0.642	1.27 +	m ³ /s	
Maximum (Spitze)	5.12 22.	3.04 22.	4.79 18.	1.33 - 21.	4.29 21.	11.0 + 25.	2.59 12.	1.58 01.	2.46 26.	9.59 02.	6.50 26.	5.64 22.	m ³ /s Datum	
Jahresmittel	0.693 m ³ /s													



Periode	1984 - 2024 (41 Jahre)												
Monatsumme	0.782	0.713	0.798	0.764	0.646	0.535	0.379	0.262-	0.281	0.391	0.585	0.817+	m ³ /s
Maximum (Spitze)	8.53 - 1995	14.8 1999	17.6 2001	21.1 2006	24.9 1999	23.2 2021	19.0 2012	30.1 + 2007	15.3 2006	15.8 2012	16.0 1995	12.8 2010	m ³ /s Jahr
Minimum (Momentanwert)	0.045 2017	0.084 1989	0.093+ 1986	0.081 2020	0.057 2011	0.048 2014	0.024 2017	0.020 1984	0.016- 1984	0.030 2023	0.042 2024	0.025 1986	m ³ /s Jahr

Grösstes Jahresmittel 0.952 (1999) m³/s Periodenmittel 0.579 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	
2024	3.85	3.40	2.82	2.57	2.28	1.72	1.27	1.03	0.923	0.754	0.621	0.551	m ³ /s
1984 - 2024	5.22	3.79	3.06	2.67	2.02	1.42	1.04	0.827	0.683	0.548	0.446	0.370	m ³ /s
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2024	0.484	0.414	0.353	0.301	0.227	0.157	0.137	0.122	0.108	0.106	0.100	0.097	m ³ /s
1984 - 2024	0.309	0.257	0.214	0.182	0.156	0.137	0.122	0.103	0.082	0.069	0.054	0.028	m ³ /s

Wasserstand



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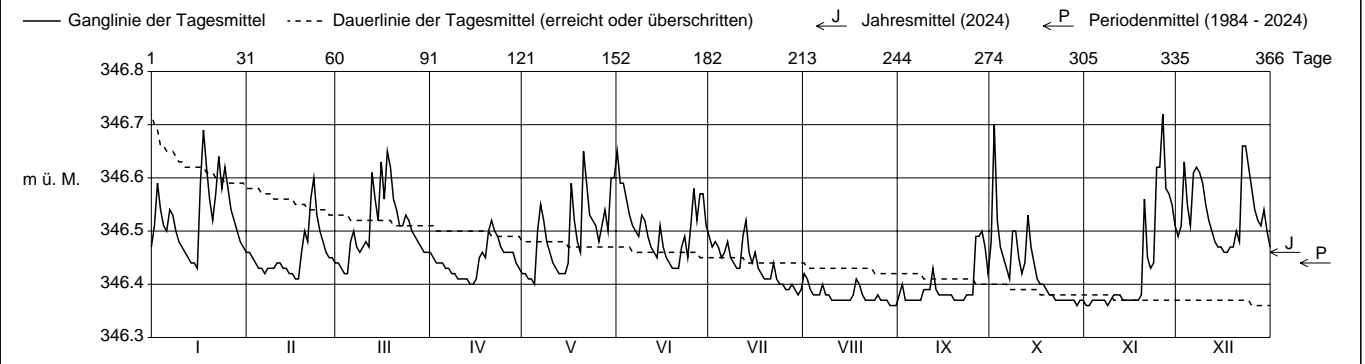
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2024	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 346.47	346.46	346.44	346.46	346.42	346.65 +	346.49	346.42 +	346.38	346.48	346.36 -	346.49	1
	2 346.51	346.46	346.44	346.45	346.42	346.59	346.47	346.41	346.40	346.70 +	346.36 -	346.51	2
	3 346.59	346.45	346.43	346.44	346.41	346.59	346.48	346.39	346.37 -	346.52	346.37 -	346.63	3
	4 346.54	346.44	346.42 -	346.44	346.41	346.56	346.47	346.38	346.37 -	346.47	346.37	346.55	4
	5 346.51	346.43	346.42 -	346.44	346.40 -	346.53	346.45	346.38	346.37 -	346.45	346.37	346.51	5
	6 346.50	346.43	346.48	346.43	346.50	346.51	346.46	346.38	346.37 -	346.43	346.37	346.61	6
	7 346.54	346.42	346.50	346.43	346.55	346.50	346.48	346.40	346.37 -	346.41	346.37	346.62	7
	8 346.53	346.43	346.47	346.42	346.52	346.49	346.45	346.38	346.37 -	346.50	346.36 -	346.61	8
	9 346.50	346.43	346.46	346.42	346.48	346.53	346.44	346.38	346.39	346.50	346.37	346.59	9
	10 346.48	346.43	346.47	346.41	346.46	346.52	346.43	346.37	346.39	346.45	346.38	346.55	10
	11 346.47	346.44	346.48	346.41	346.44	346.49	346.43	346.37	346.39	346.42	346.38	346.52	11
	12 346.46	346.44	346.47	346.41	346.43	346.47	346.49	346.37	346.43	346.44	346.38	346.50	12
	13 346.45	346.43	346.61	346.41	346.42	346.46	346.52 +	346.37	346.39	346.53	346.37	346.48	13
m ü. M.	14 346.44	346.43	346.56	346.40 -	346.42	346.45	346.46	346.37	346.38	346.47	346.37	346.47	14
	15 346.44	346.42	346.52	346.40 -	346.42	346.51	346.44	346.37	346.38	346.44	346.37	346.47	15
	16 346.43 -	346.42	346.63	346.41	346.44	346.47	346.46	346.37	346.38	346.41	346.37	346.46 -	16
	17 346.59	346.41 -	346.56	346.45	346.59	346.45	346.43	346.38	346.38	346.40	346.37	346.46 -	17
	18 346.69 +	346.41 -	346.65 +	346.46	346.52	346.44	346.42	346.41	346.38	346.40	346.37	346.47	18
	19 346.62	346.46	346.62	346.45	346.48	346.43 -	346.41	346.40	346.37 -	346.39	346.38	346.47	19
	20 346.56	346.50	346.56	346.50	346.46	346.43 -	346.41	346.38	346.37 -	346.38	346.56	346.50	20
	21 346.52	346.48	346.54	346.52 +	346.65 +	346.43 -	346.41	346.37	346.37 -	346.38	346.45	346.48	21
	22 346.57	346.56	346.51	346.50	346.59	346.47	346.44	346.37	346.37 -	346.37	346.43	346.66 +	22
+ Maximum	23 346.64	346.60 +	346.51	346.49	346.53	346.49	346.41	346.37	346.38	346.37	346.44	346.66 +	23
	24 346.58	346.53	346.53	346.47	346.52	346.45	346.40	346.37	346.38	346.37	346.62	346.62	24
	25 346.62	346.50	346.52	346.46	346.51	346.51	346.40	346.38	346.38	346.37	346.62	346.58	25
- Minimum	26 346.58	346.48	346.50	346.46	346.48	346.58	346.39	346.37	346.49	346.37	346.72 +	346.54	26
	27 346.54	346.46	346.49	346.46	346.51	346.52	346.39	346.37	346.49	346.37	346.58	346.52	27
	28 346.52	346.45	346.48	346.46	346.54	346.57	346.40	346.37	346.50 +	346.37	346.57	346.51	28
	29 346.50	346.45	346.47	346.44	346.50	346.57	346.39	346.36 -	346.47	346.36 -	346.55	346.54	29
	30 346.48		346.46	346.43	346.60	346.51	346.38 -	346.36 -	346.42	346.37	346.51	346.50	30
	31 346.47		346.46		346.60		346.39 -	346.36 -		346.37		346.47	31
Monatsmittel	346.53 +	346.46	346.51	346.44	346.49	346.50	346.44	346.38 -	346.40	346.43	346.44	346.53 +	m ü. M.
Maximum (Spitze)	346.80 22.	346.67 22.	346.78 18.	346.54 - 21.	346.75 21.	347.07 + 25.	346.64 12.	346.56 01.	346.63 26.	347.01 02.	346.87 26.	346.83 22.	m ü. M. Datum

Jahreswerte in m ü. M. Mittel 346.46 Maximum 346.72 (26.11.2024) Minimum 346.36 (30.08.2024) Spitze 347.07 (25.06.2024)



Periode	1984 - 2024 (41 Jahre)												
Monatsmittel	346.47	346.47	346.48 +	346.47	346.46	346.44	346.41	346.40 -	346.40 -	346.42	346.44	346.48 +	m ü. M.
Maximum (Spitze)	346.94 - 2021	347.14 1999	347.22 2001	347.43 2006	347.38 1999	347.49 2021	347.36 2012	347.70 + 2007	347.23 2006	347.25 2012	347.17 1995	347.14 2010	m ü. M. Jahr
Minimum (Momentanwert)	346.35 2017	346.36 1989	346.37 + 1986	346.36 2020	346.35 2011	346.34 1989	346.34 2017	346.32 - 1984	346.32 - 1984	346.34 2023	346.34 2024	346.33 1986	m ü. M. Jahr

Grösstes Jahresmittel 346.49 (1999) m ü. M. **Periodenmittel** 346.44 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	
2024	346.72	346.69	346.65	346.64	346.62	346.58	346.54	346.52	346.51	346.49	346.47	346.46	m ü. M.
1984 - 2024	346.79	346.71	346.66	346.64	346.60	346.55	346.52	346.50	346.48	346.46	346.45	346.43	m ü. M.
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2024	346.45	346.44	346.43	346.42	346.40	346.38	346.38	346.37	346.37	346.37	346.36	346.36	m ü. M.
1984 - 2024	346.42	346.41	346.40	346.40	346.39	346.38	346.37	346.37	346.36	346.35	346.35	346.33	m ü. M.