

Abfluss



Hintere Frenke - Bubendorf, Morgental

Stationsnummer: BL 4309

Einzugsgebiet: 38.20 km²

Höhe Station: 352 m ü. M.

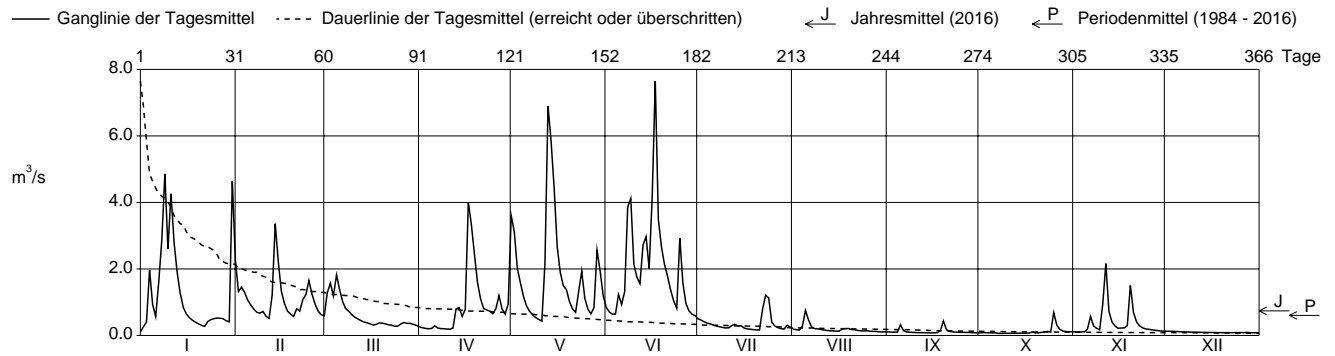
Kanton Basel-Landschaft

Tiefbauamt, Geschäftsbereich Wasserbau

Koordinaten: 2622 278 / 1256 550

Mittlere Höhe: 603 m ü. M.

2016		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1	0.106 -	2.25	0.592	0.261	3.60	0.845	0.498	0.190	0.105	0.081	0.110	0.127+	1
	2	0.259	1.32	1.29	0.232	3.12	0.709	0.460	0.174	0.102	0.087	0.106 -	0.127+	2
	3	0.408	1.45	1.57	0.214	2.01	0.641	0.408	0.163	0.100	0.083	0.109	0.124	3
	4	1.97	1.30	1.19	0.202	1.58	0.641	0.369	0.280	0.101	0.079	0.109	0.119	4
	5	0.934	1.07	1.82 +	0.211	1.17	1.23	0.346	0.756+	0.322	0.079	0.194	0.115	5
	6	0.571	0.918	1.38	0.291	0.890	0.933	0.310	0.467	0.144	0.078	0.570	0.111	6
	7	1.61	0.792	1.02	0.227	0.723	1.31	0.281	0.257	0.107	0.063 -	0.288	0.106	7
	8	2.88	0.699	0.804	0.208	0.620	3.86	0.262	0.206	0.098	0.063 -	0.212	0.104	8
	9	4.86 +	0.671	0.729	0.203	0.537	4.12	0.240	0.200	0.092	0.065	0.178	0.101	9
	10	2.61	0.724	0.622	0.192	0.482	2.15	0.225	0.181	0.088	0.066	0.952	0.100	10
m ³ /s	11	4.26	0.578	0.550	0.188 -	0.433 -	1.75	0.232	0.165	0.085	0.068	2.16 +	0.099	11
	12	2.80	0.514 -	0.496	0.226	2.17	1.56	0.301	0.151	0.086	0.070	0.729	0.095	12
	13	1.90	1.21	0.445	0.797	6.89 +	2.72	0.336	0.142	0.081	0.066	0.406	0.093	13
	14	1.27	3.36 +	0.402	0.842	5.85	2.97	0.281	0.135	0.079	0.073	0.282	0.091	14
	15	0.847	2.22	0.380	0.574	4.43	2.01	0.290	0.131	0.078 -	0.070	0.216	0.091	15
	16	0.647	1.33	0.350	0.785	2.67	4.19	0.225	0.131	0.081	0.066	0.224	0.088	16
	17	0.536	0.965	0.312	4.01 +	1.90	7.65 +	0.198	0.193	0.087	0.075	0.227	0.086	17
	18	0.457	0.734	0.338	3.33	1.49	3.49	0.188	0.208	0.141	0.104	0.295	0.085	18
	19	0.399	0.645	0.376	2.44	1.38	2.67	0.177	0.209	0.436+	0.078	1.51	0.085	19
	20	0.348	0.572	0.369	1.59	1.02	2.14	0.168	0.179	0.174	0.078	0.701	0.085	20
+ Maximum	21	0.304	0.800	0.348	1.10	0.798	1.78	0.098	0.174	0.124	0.095	0.412	0.084	21
	22	0.272	0.732	0.320	0.810	0.698	1.37	0.791	0.153	0.110	0.096	0.289	0.084	22
	23	0.420	1.08	0.308	0.768	1.32	1.04	1.40	0.140	0.100	0.120	0.229	0.086	23
	24	0.475	1.23	0.278 -	0.731	1.93	0.818	1.13	0.135	0.095	0.102	0.197	0.087	24
	25	0.507	1.65	0.280	0.657	1.12	2.93	0.400	0.142	0.094	0.689+	0.186	0.089	25
- Minimum	26	0.521	1.24	0.347	0.808	0.793	1.58	0.284	0.129	0.092	0.308	0.172	0.085	26
	27	0.519	0.946	0.391	1.20	0.650	0.961	0.235	0.091	0.184	0.158	0.178	0.093	27
	28	0.504	0.733	0.364	0.802	0.838	0.737	0.206	0.123	0.087	0.132	0.145	0.084	28
	29	0.441	0.625	0.364	0.643	2.56	0.640	0.191	0.110	0.083	0.119	0.135	0.082	29
	30	0.412		0.337	0.942	1.94	0.595 -	0.309	0.107 -	0.080	0.113	0.130	0.081 -	30
	31	4.64		0.306		1.20		0.259	0.109		0.112		0.083	31
Monatsumme	1.25	1.11	0.603	0.850	1.83	2.00 +	0.354	0.192	0.118	0.115	0.388	0.096-	m ³ /s	
Maximum (Spitze)	6.77 08.	5.40 14.	2.46 02.	5.36 17.	10.9 13.	22.7 + 16.	10.5 23.	1.65 05.	1.44 19.	1.78 25.	4.07 11.	0.134- 01.	m ³ /s Datum	
Jahresmittel		0.740 m ³ /s												



Periode	1984 - 2016 (33 Jahre)												
Monatsumme	0.786	0.722	0.841	0.857+	0.677	0.560	0.379	0.280-	0.317	0.421	0.623	0.799	m ³ /s
Maximum (Spitze)	8.53 - 1995	14.8 1999	17.6 2001	21.1 2006	24.9 1999	22.7 2016	19.0 2012	30.1 + 2007	15.3 2006	15.8 2012	16.0 1995	12.8 2010	m ³ /s Jahr
Minimum (Momentanwert)	0.087 2016	0.084 1989	0.093 1986	0.105+ 2014	0.057 2011	0.048 2014	0.026 2015	0.020 1984	0.016- 1984	0.051 1985	0.048 2015	0.025 1986	m ³ /s Jahr

Grösstes Jahresmittel 0.952 (1999) m³/s Periodenmittel 0.604 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	
2016	7.65	5.85	4.43	4.12	2.93	1.94	1.37	1.12	0.842	0.724	0.572	0.412	m ³ /s
1984 - 2016	5.50	3.83	3.13	2.75	2.08	1.47	1.10	0.867	0.714	0.572	0.470	0.389	m ³ /s
Tage	182	205	228	251	274	292	310	329	347	356	362	365	
2016	0.336	0.272	0.208	0.174	0.127	0.109	0.096	0.086	0.081	0.075	0.066	0.063	m ³ /s
1984 - 2016	0.328	0.275	0.231	0.193	0.167	0.147	0.128	0.109	0.090	0.078	0.066	0.026	m ³ /s

Wasserstand



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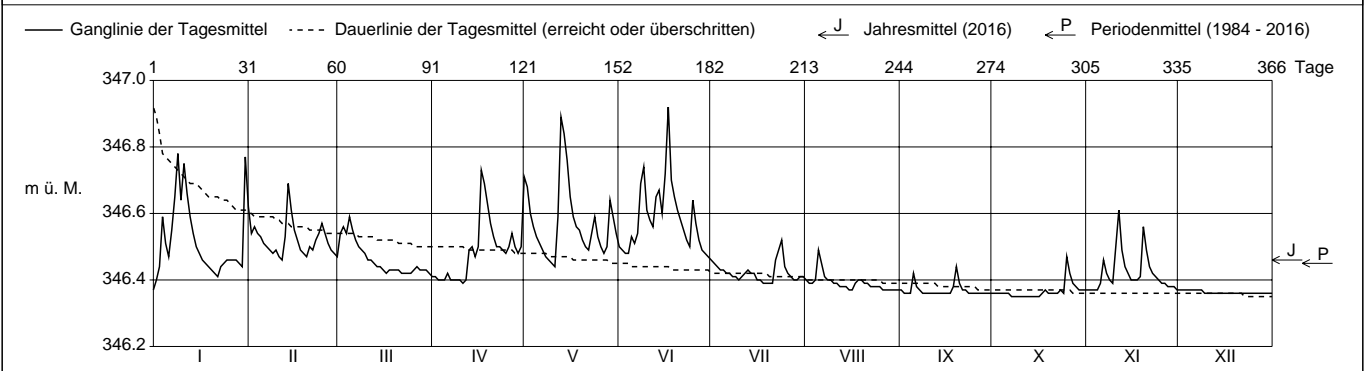
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2016	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1 346.37 -	346.62	346.47	346.41	346.71	346.50	346.46	346.40	346.37	346.36	346.37 -	346.37 +	1	
	2 346.40	346.54	346.54	346.41	346.68	346.49	346.45	346.39	346.36 -	346.36	346.37 -	346.37 +	2	
	3 346.44	346.56	346.56	346.40	346.60	346.48	346.44	346.39	346.36 -	346.36	346.37 -	346.37 +	3	
	4 346.59	346.54	346.54	346.40	346.56	346.48	346.43	346.40	346.36 -	346.36	346.37 -	346.37 +	4	
	5 346.51	346.53	346.59 +	346.40	346.53	346.53	346.43	346.49 +	346.42	346.36	346.39	346.37 +	5	
	6 346.47	346.51	346.55	346.42	346.51	346.51	346.42	346.45	346.38	346.36	346.46	346.37 +	6	
	7 346.55	346.50	346.52	346.40	346.49	346.54	346.42	346.41	346.37	346.35 -	346.42	346.37 +	7	
	8 346.65	346.49	346.50	346.40	346.47	346.69	346.41	346.40	346.36 -	346.35 -	346.40	346.37 +	8	
	9 346.78 +	346.48	346.49	346.40	346.46	346.74	346.41	346.40	346.36 -	346.35 -	346.39	346.36 -	9	
	10 346.64	346.49	346.48	346.40	346.45	346.61	346.40	346.39	346.36 -	346.35 -	346.50	346.36 -	10	
	11 346.75	346.47	346.46	346.39 -	346.44 -	346.58	346.41	346.39	346.36 -	346.35 -	346.61 +	346.36 -	11	
	12 346.66	346.46 -	346.46	346.40	346.59	346.56	346.42	346.38	346.36 -	346.35 -	346.49	346.36 -	12	
	13 346.59	346.53	346.45	346.49	346.89 +	346.65	346.43	346.38	346.36 -	346.35 -	346.44	346.36 -	13	
m ü. M.	14 346.54	346.69 +	346.44	346.50	346.84	346.67	346.42	346.38	346.36 -	346.35 -	346.42	346.36 -	14	
	15 346.50	346.61	346.44	346.47	346.76	346.60	346.42	346.37 -	346.36 -	346.35 -	346.40	346.36 -	15	
	16 346.48	346.55	346.43	346.50	346.65	346.72	346.40	346.37 -	346.36 -	346.35 -	346.40	346.36 -	16	
	17 346.46	346.52	346.42 -	346.73 +	346.59	346.92 +	346.40	346.39	346.36 -	346.35 -	346.36	346.40	346.36 -	17
	18 346.45	346.49	346.43	346.69	346.56	346.70	346.39 -	346.40	346.38	346.37	346.41	346.36 -	18	
	19 346.44	346.48	346.43	346.63	346.55	346.65	346.39 -	346.40	346.44 +	346.36	346.56	346.36 -	19	
	20 346.43	346.47	346.43	346.57	346.52	346.61	346.39 -	346.39	346.39	346.36	346.49	346.36 -	20	
	21 346.42	346.50	346.43	346.53	346.50	346.58	346.39 -	346.39	346.37	346.36	346.44	346.36 -	21	
	22 346.41	346.49	346.42 -	346.50	346.49	346.55	346.46	346.38	346.37	346.36	346.42	346.36 -	22	
+ Maximum	23 346.44	346.52	346.42 -	346.50	346.54	346.52	346.49	346.38	346.36 -	346.37	346.41	346.36 -	23	
	24 346.45	346.54	346.42 -	346.49	346.59	346.50	346.52 +	346.38	346.36 -	346.36	346.40	346.36 -	24	
	25 346.46	346.57	346.42 -	346.48	346.53	346.64	346.44	346.38	346.36 -	346.47 +	346.39	346.36 -	25	
- Minimum	26 346.46	346.54	346.43	346.50	346.50	346.57	346.42	346.37 -	346.36 -	346.42	346.39	346.36 -	26	
	27 346.46	346.51	346.44	346.54	346.48	346.52	346.41	346.37 -	346.36 -	346.39	346.38	346.36 -	27	
	28 346.46	346.49	346.43	346.50	346.50	346.49	346.40	346.37 -	346.36 -	346.38	346.38	346.36 -	28	
	29 346.45	346.48	346.43	346.48	346.64	346.48	346.40	346.37 -	346.36 -	346.37	346.38	346.36 -	29	
	30 346.44		346.43	346.50	346.59	346.47 -	346.41	346.37 -	346.36 -	346.37	346.37 -	346.36 -	30	
	31 346.77		346.42 -		346.54		346.41	346.37 -		346.37		346.36 -	31	
Monatsmittel	346.51	346.52	346.46	346.48	346.57	346.59 +	346.42	346.39	346.37	346.37	346.42	346.36 -	m ü. M.	
Maximum (Spitze)	346.89 08.	346.82 14.	346.63 02.	346.81 17.	347.06 13.	347.48 + 16.	347.05 23.	346.57 05.	346.55 19.	346.58 25.	346.74 11.	346.38 - 01.	m ü. M. Datum	

Jahreswerte in m ü. M. Mittel 346.46 Maximum 346.92 (17.06.2016) Minimum 346.35 (07.10.2016) Spitze 347.48 (16.06.2016)



Periode	1984 - 2016 (33 Jahre)												
Monatsmittel	346.48	346.47	346.49 +	346.48	346.46	346.44	346.41	346.40 -	346.40 -	346.42	346.45	346.47	m ü. M.
Maximum (Spitze)	346.93 - 1986	347.14 1999	347.22 2001	347.43 2006	347.38 1999	347.48 2016	347.36 2012	347.70 + 2007	347.23 2006	347.25 2012	347.17 1995	347.14 2010	m ü. M. Jahr
Minimum (Momentanwert)	346.36 2016	346.36 1989	346.37 + 1986	346.37 + 2014	346.35 2011	346.34 1989	346.34 2015	346.32 - 1984	346.32 - 1984	346.34 1985	346.35 2015	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	
2016	346.92	346.84	346.76	346.73	346.66	346.59	346.55	346.53	346.50	346.49	346.47	346.44	m ü. M.
1984 - 2016	346.81	346.72	346.67	346.65	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	
2016	346.43	346.41	346.40	346.39	346.37	346.37	346.36	346.36	346.36	346.36	346.35	346.35	m ü. M.
1984 - 2016	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.