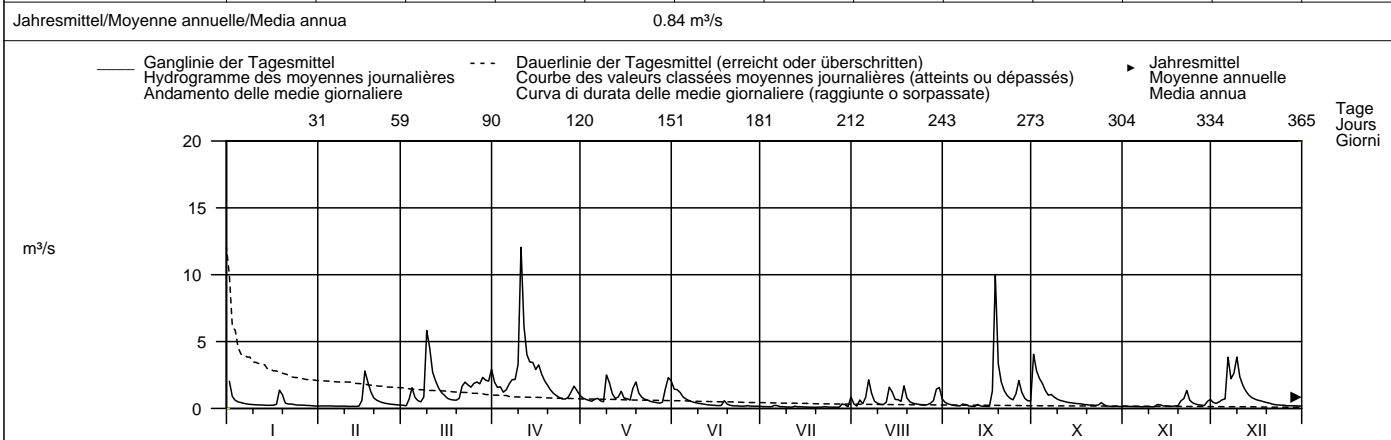


Abfluss	Hintere Frenke - Bubendorf, Morgental											BL 4309		
Débit	Koordinaten	622270 / 256550		Höhe	352 m ü.M.		Fläche	38.2 km ²		Mittlere Höhe	603 m ü.M.		Vergletscherung	- %
Portata	Coordonnées	Coordinate		Altitude	Altitudine		Surface	Superficie		Altitude moyenne	Altitudine media		Extension glacier	Ghiacciaio

2006	Jan./Janv. Genn.	Febr./Févr. Febbr.	März/Mars Marzo	April/Avril Aprile	Mai/Mai Maggio	Juni/Juin Giugno	Juli/Juillet Luglio	Aug./Août Agosto	Sept./Sept. Sett.	Okt./Oct. Ott.	Nov./Nov. Nov.	Dez./Déc. Dic.	
1	2.03 +	0.18	0.24	1.97	0.78	1.44 +	0.14	0.34	0.45	4.05 +	0.16	0.44	1
2	0.89	0.19	0.20 -	1.57	0.68	1.40	0.14	0.17 -	0.34	2.81	0.15	0.38	2
3	0.60	0.18	0.68	1.62	0.60	1.20	0.13	0.63	0.28	2.23	0.15	0.49	3
4	0.49	0.19	1.55	1.21	0.53	0.86	0.12	0.35	0.22	1.86	0.14	0.64	4
5	0.43	0.18	0.83	1.40	0.68	0.70	0.22	0.84	0.20	1.33	0.14	0.71	5
Tagesmittel													
6	0.38	0.17	0.58	1.84	0.76	0.59	0.21	2.14 +	0.19	0.99	0.13	3.83	6
7	0.33	0.17	0.49	2.15	0.57	0.50	0.13	1.13	0.32	1.04	0.13	2.22	7
Moyenne journalière													
8	0.30	0.17	0.86	2.17	0.50	0.44	0.14	0.53	0.29	0.85	0.13	2.64	8
Media giornaliera													
9	0.29	0.17	5.83 +	3.29	2.51 +	0.39	0.11	0.39	0.18	0.70	0.13	3.84 +	9
10	0.27	0.16	4.52 +	12.1 +	1.93 +	0.35	0.10	0.31	0.16	0.60	0.12 -	2.37	10
11	0.26	0.15 -	2.70	6.15	1.09	0.32	0.10	0.28	0.15	0.54	0.13	1.74	11
12	0.26	0.16	2.06	4.01	0.74	0.28	0.17	0.47	0.30	0.49	0.29	1.32	12
13	0.24	0.15 -	1.54	3.47	0.85	0.25	0.12	1.59	0.18	0.44	0.27	1.01	13
m³/s													
14	0.23	0.17	1.19	3.44	1.28	0.24	0.13	1.23	0.16	0.41	0.19	0.82	14
15	0.23	0.61	0.99	2.91	0.77	0.22	0.11	0.67	0.15	0.38	0.18	0.71	15
16	0.24	2.80 +	0.76	3.26	0.73	0.21	0.10	0.65	0.14 -	0.36	0.17	0.62	16
17	0.31	1.97	0.67	2.57	0.62	0.22	0.10	0.52	1.30	0.34	0.15	0.57	17
18	1.37	1.26	0.63	2.07	1.52	0.58	0.09 -	1.69	9.95 +	0.30	0.19	0.51	18
19	1.03	0.79	0.61	1.74	1.97	0.32	0.09 -	0.78	3.35	0.28	0.20	0.45	19
20	0.40	0.62	0.75	1.39	1.14	0.23	0.09 -	0.50	1.99	0.25	0.56	0.40	20
21	0.33	0.51	1.66	1.13	0.84	0.19	0.09 -	0.39	1.35	0.25	0.73	0.32	21
22	0.32	0.43	1.97	0.96	0.69	0.19	0.14	0.35	0.98	0.23	1.34 +	0.29	22
23	0.29	0.38	1.76	0.82	0.62	0.18	0.11	0.30	0.76	0.26	0.62	0.26	23
24	0.26	0.35	1.59	0.71	0.52	0.17	0.10	0.28	0.64	0.43	0.41	0.24	24
+Maximum													
Massimo	0.25	0.31	1.87	0.70 -	0.47	0.17	0.09 -	0.25	1.09	0.27	0.33	0.24	25
26	0.24	0.29	1.98	0.83	0.43	0.20	0.09 -	0.29	2.08	0.18	0.27	0.20	26
27	0.23	0.26	1.84	1.24	0.39 -	0.17	0.10	0.39	1.20	0.15 -	0.24	0.20	27
- Minimum													
Minimo	0.22	0.25	2.32	1.66	0.46	0.16 -	0.33	0.58	0.75	0.15 -	0.22	0.20	28
29	0.20		2.11	1.33	1.47	0.17	0.27	1.44	0.58	0.16	0.52	0.20	29
30	0.18 -		2.04	0.98	2.31	0.17	0.12	1.56	0.55	0.15 -	0.67	0.18	30
31	0.18 -		2.93		2.05		0.86 +	0.70		0.15 -		0.17 -	31
Monatsmittel													
Moyenne mensuelle	0.43	0.47	1.60	2.35 +	0.98	0.42	0.16 -	0.70	1.01	0.73	0.30	0.91	m ³ /s
Media mensile													
Maximum/Massimo	3.42	3.99	8.29	21.1 +	3.88	4.97	4.51	4.94	15.3	5.58	2.84 -	11.6	m ³ /s
Spitze/Pointe/Punta	18.	16.	9.	10.	9.	18.	31.	6.	18.	1.	21.	6.	
Datum/Date/Data													
Jahresmittel/Moyenne annuelle/Media annua	0.84 m ³ /s												



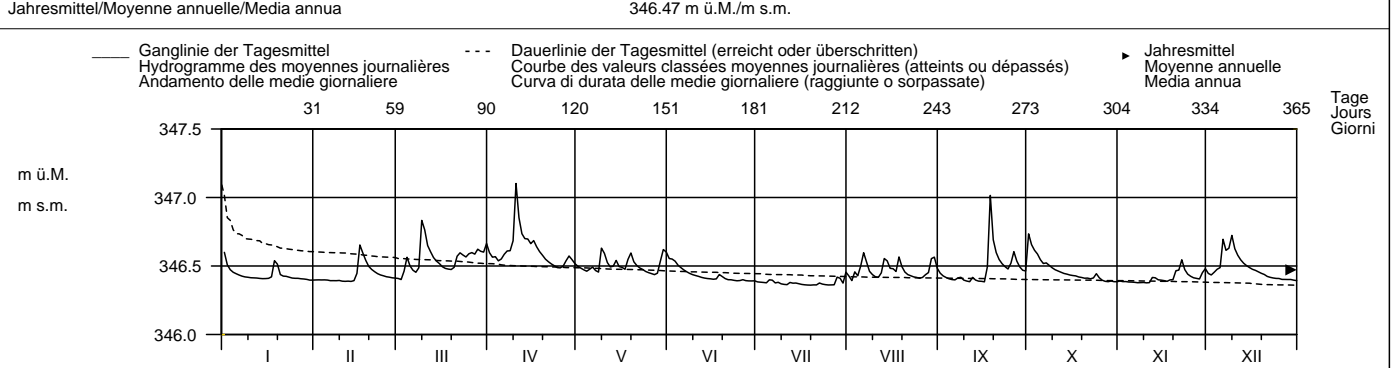
Periode/Période/Periodo	1984 - 2006 (23 Jahre/années/anni)														
Monatsmittel Moyenne mensuelle Media mensile	0.77	0.73	0.91	0.92 +	0.70	0.54	0.36	0.24 -	0.36	0.47	0.64	0.75	m ³ /s		
Maximum/Massimo Spitze/Point/Punta Jahr/Année/Anno	8.53 - 1995	14.8 1999	17.6 2001	21.1 2006	24.9 + 1999	19.6 1990	18.1 1997	13.2 1999	15.3 2006	10.5 2002	16.0 1995	12.0 1997	m ³ /s		
Min./Tagesmitt./Moy. jour./Media giorno Jahr/Année/Anno	0.10 1989	0.09 1989	0.10 1986	0.12 + 1996	0.10 1989	0.06 1989	0.05 2003	0.00 - 1984	0.04 1984	0.06 1986	0.07 1985	0.04 1986	m ³ /s		
Grösstes Jahresmittel Moy. annuelle la plus grande La più grande media annua	0.96 (1999) m ³ /s			Mittlerer Abfluss Débit moyen Portata media				0.62 m ³ /s			Kleinstes Jahresmittel Moy. annuelle la plus petite La più piccola media annua			0.28 (1989) m ³ /s	

Dauer der Abflüsse	(erreicht oder überschritten)			Débits classés				(atteints ou dépassés)				Durata delle portate				(raggiunte o sorpassate)	
Tage/Jours/Giorni	1	3	6	9	18	36	55	73	91	114	137	160					
2006	12.1	6.15	4.05	3.83	2.80	2.04	1.62	1.33	1.01	0.76	0.64	0.53	m ³ /s				
1984 - 2006	5.84	3.78	3.09	2.74	2.12	1.52	1.16	0.92	0.74	0.60	0.48	0.39	m ³ /s				
Tage/Jours/Giorni	182	205	228	251	274	292	310	329	347	356	362	365					
2006	0.43	0.34	0.29	0.25	0.20	0.18	0.17	0.15	0.12	0.10	0.09	0.09	m ³ /s				
1984 - 2006	0.33	0.28	0.23	0.20	0.17	0.15	0.13	0.11	0.09	0.08	0.07	0.02	m ³ /s				

Kanton Basel-Landschaft, Tiefbauamt, Geschäftsbereich Wasserbau
Bundesamt für Umwelt, Abteilung Hydrologie

Wasserstand	Hintere Frenke - Bubendorf, Morgental										BL 4309
Niveau d'eau	Koordinaten	622270 / 256550	Höhe	352 m ü.M.	Fläche	38.2 km ²	Mittlere Höhe	603 m ü.M.	Vergletscherung	- %	
Livello d'acqua	Coordonnées		Altitudine		Superficie		Altitudine moyenne		Extension glacier		
									Ghiacciaio		

2006	Jan./Janv. Genn.	Febr./Févr. Febr.	März/Mars Marzo	April/Avril Aprile	Mai/Mai Maggio	Juni/Juin Giugno	Juli/Juillet Luglio	Aug./Août Agosto	Sept./Sept. Sett.	Okt./Okt. Ott.	Nov./Nov. Nov.	Dez./Déc. Dic.	
Tagesmittel	1 346.60 +	346.40	346.41	346.60	346.50	346.55 +	346.38	346.43	346.45	346.73 +	346.39	346.45	1
	2 346.51	346.40	346.40 -	346.56	346.48	346.55 +	346.38	346.39 -	346.43	346.66	346.39	346.43	2
	3 346.47	346.40	346.46	346.57	346.47	346.54	346.38	346.46	346.42	346.62	346.39	346.45	3
	4 346.45	346.40	346.56	346.54	346.46	346.51	346.38	346.43	346.41	346.59	346.38 -	346.48	4
	5 346.44	346.40	346.50	346.55	346.48	346.49	346.40	346.50	346.40	346.55	346.38 -	346.49	5
Moyenne journalière	6 346.43	346.39 -	346.47	346.59	346.49	346.47	346.40	346.60 +	346.40	346.52	346.38 -	346.70	6
	7 346.43	346.39 -	346.45	346.61	346.47	346.46	346.38	346.53	346.41	346.52	346.38 -	346.61	7
Media giornaliera	8 346.42	346.39 -	346.49	346.61	346.46	346.45	346.38	346.46	346.42	346.50	346.38 -	346.63	8
	9 346.42	346.39 -	346.83 +	346.68	346.63 +	346.44	346.37	346.44	346.40	346.49	346.38 -	346.72 +	9
	10 346.41	346.39 -	346.76	347.10 +	346.59	346.43	346.37	346.42	346.39	346.47	346.38 -	346.63	10
	11 346.41	346.39 -	346.65	346.85	346.53	346.42	346.36 -	346.42	346.39	346.46	346.38 -	346.58	11
	12 346.41	346.39 -	346.60	346.74	346.49	346.42	346.38	346.45	346.42	346.45	346.38 -	346.55	12
m ü.M.	13 346.41	346.39 -	346.56	346.70	346.50	346.41	346.37	346.55	346.40	346.45	346.41	346.52	13
	14 346.41	346.39 -	346.54	346.70	346.54	346.41	346.38	346.54	346.39	346.44	346.40	346.50	14
m s.m.	15 346.41	346.45	346.52	346.66	346.50	346.41	346.37	346.48	346.39	346.43	346.40	346.49	15
	16 346.41	346.65 +	346.49	346.69	346.49	346.40	346.37	346.48	346.38 -	346.43	346.39	346.48	16
	17 346.42	346.39 -	346.48	346.64	346.48	346.41	346.36 -	346.46	346.49	346.43	346.39	346.47	17
	18 346.54	346.54	346.48	346.61	346.55	346.44	346.36 -	346.57	347.02 +	346.42	346.40	346.46	18
	19 346.51	346.50	346.47	346.58	346.60	346.42	346.36 -	346.50	346.69	346.42	346.40	346.45	19
	20 346.44	346.47	346.49	346.55	346.53	346.41	346.36 -	346.46	346.60	346.41	346.47	346.44	20
	21 346.43	346.46	346.57	346.53	346.50	346.40	346.36 -	346.44	346.55	346.41	346.47	346.42	21
	22 346.42	346.44	346.60	346.52	346.49	346.40	346.38	346.43	346.52	346.41	346.55 +	346.42	22
	23 346.42	346.43	346.58	346.50	346.48	346.40	346.37	346.42	346.50	346.41	346.47	346.41	23
	24 346.41	346.43	346.57	346.49 -	346.46	346.39 -	346.36 -	346.42	346.48	346.44	346.44	346.41	24
	25 346.41	346.42	346.59	346.49 -	346.45	346.39 -	346.36 -	346.41	346.52	346.41	346.43	346.41	25
+Maximum Massimo	26 346.41	346.42	346.60	346.50	346.44 -	346.40	346.36 -	346.42	346.60	346.40	346.41	346.40	26
	27 346.41	346.41	346.59	346.54	346.44 -	346.39 -	346.36 -	346.44	346.54	346.39 -	346.41	346.40	27
- Minimum Minimo	28 346.41	346.41	346.62	346.57	346.45	346.39 -	346.42	346.45	346.49	346.39 -	346.41	346.40	28
	29 346.40 -		346.61	346.55	346.54	346.39 -	346.41	346.55	346.47	346.39 -	346.45	346.40	29
	30 346.40 -		346.60	346.52	346.62	346.39 -	346.38	346.56	346.46	346.39 -	346.48	346.40	30
	31 346.40 -		346.66		346.60		346.46 +	346.48				346.39 -	31
Monatsmittel Moyenne mensuelle Media mensile	346.43	346.43	346.56	346.61 +	346.51	346.43	346.38 -	346.47	346.48	346.46	346.41	346.48	m ü.M. m s.m.
Maximum/Massimo Spitze/Pointe/Punta Datum/Date/Data	346.70 18.	346.74 16.	346.95 9.	347.43 + 10.	346.73 9.	346.79 18.	346.77 31.	346.79 6.	347.23 18.	346.82 1.	346.66 - 21.	347.09 6.	m ü.M. m s.m.
Minimum/Minimo Momentan/momentan. Datum/Date/Data	346.39 30.	346.38 11.	346.40 3.	346.48 + 25.	346.43 28.	346.38 30.	346.36 - 27.	346.38 3.	346.38 17.	346.38 30.	346.38 7.	346.39 31.	m ü.M. m s.m.
Jahresmittel/Moyenne annuelle/Media annua	346.47 m ü.M./m s.m.												



Periode/Période/Periodo	1984 - 2006 (23 Jahre/années/anni)													
Monatsmittel Moyenne mensuelle Media mensile	346.47	346.47	346.49 +	346.49 +	346.47	346.45	346.41	346.40 -	346.41	346.43	346.45	346.47	m ü.M. m s.m.	
Maximum/Massimo Spitze/Point/Punta Jahr/Année/Anno	346.93 - 1986	347.14 1999	347.22 2001	347.43 + 2006	347.38 1999	347.29 1990	347.23 1997	347.09 1999	347.23 2006	347.00 2002	347.17 1995	347.09 2006	m ü.M. m s.m.	
Minimum/Minimo Momentan/momentan. Jahr/Année/Anno	346.37 + 1990	346.36 1989	346.37 + 1986	346.37 + 1996	346.37 + 2003	346.34 1989	346.34 1989	346.32 - 1984	346.32 - 1984	346.34 1985	346.35 1985	346.33 1986	m ü.M. m s.m.	
Grösstes Jahresmittel Moy. annuelle la plus grande La più grande media annua	346.49 (1999) m ü.M./m s.m.			Mittlerer Wasserstand Niveau d'eau moyen Livello medio dell'acqua			346.45 m ü.M./m s.m.			Kleinstes Jahresmittel Moy. annuelle la plus petite La più piccola media annua			346.41 (1989) m ü.M./m s.m.	

Dauer der Wasserstände (erreicht oder überschritten)	Niveaux d'eau classés (atteints ou dépassés)												Durata dei livelli d'acqua (raggiunte o sorpassate)	
Tage/Jours/Giorni	1	3	6	9	18	36	55	73	91	114	137	160		
2006	347.10	346.85	346.74	346.70	346.65	346.60	346.57	346.54	346.52	346.49	346.48	346.46	m ü.M.	
1984 - 2006	346.79	346.70	346.66	346.64	346.60	346.56	346.53	346.51	346.49	346.47	346.45	346.44	m s.m.	
Tage/Jours/Giorni	182	205	228	251	274	292	310	329	347	356	362	365		
2006	346.44	346.43	346.42	346.41	346.40	346.40	346.39	346.39	346.38	346.36	346.36	346.36	m ü.M.	
1984 - 2006	346.43	346.42	346.41	346.40	346.39	346.39	346.38	346.38	346.36	346.36	346.35	346.32	m s.m.	

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