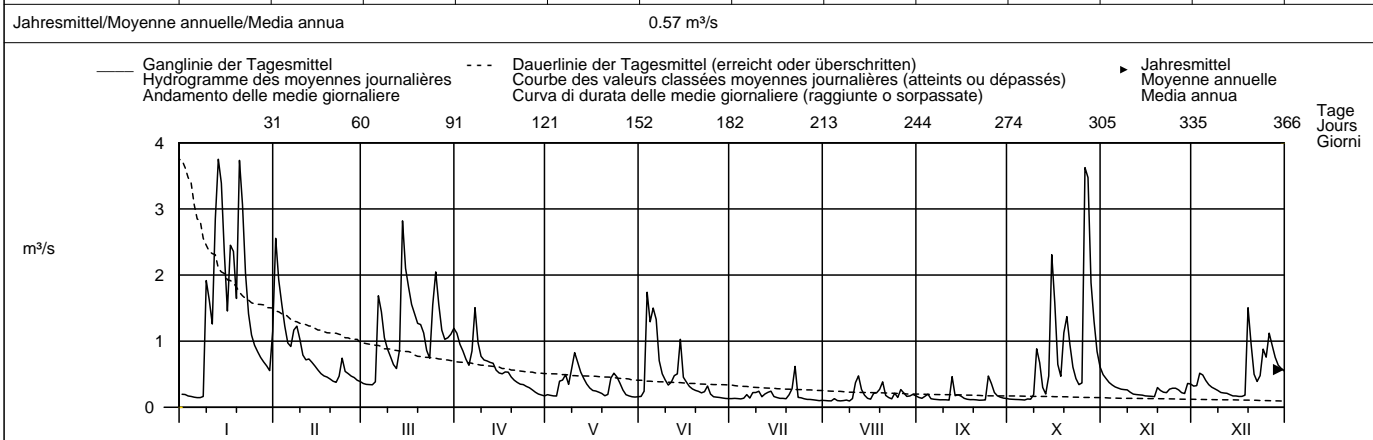


Abfluss	Hintere Frenke - Bubendorf, Morgental										BL 4309
Débit	Koordinaten	622270 / 256550	Höhe	352 m ü.M.	Fläche	38.2 km ²	Mittlere Höhe	603 m ü.M.	Vergletscherung	- %	
Portata	Coordonnées		Altitude		Superficie		Altitude moyenne		Extension glacier		
	Coordinate		Altitudine				Altitudine media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

2004	Jan./Janv. Genn.	Feb./Févr. Febr.	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	0.20	2.56 +	0.36	1.12	0.19	0.16	0.13	0.10	0.15	0.12	0.49 +	0.32	1
2	0.19	1.93	0.35	0.95	0.18	0.24	0.13	0.10	0.14	0.12	0.43	0.33	2
3	0.17	1.56	0.34 -	0.85	0.17	1.74 +	0.13	0.10	0.17	0.12	0.37	0.52	3
4	0.16	1.23	0.34 -	0.73	0.17	1.29	0.13	0.13	0.20	0.12	0.34	0.49	4
5	0.15 -	0.97	0.39	0.64	0.39	1.50	0.14	0.10	0.13	0.11 -	0.31	0.41	5
Tagesmittel													
6	0.15 -	0.92	1.69	0.85	0.41	1.33	0.19	0.10	0.12	0.11 -	0.29	0.34	6
7	0.15 -	1.17	1.44	1.51 +	0.49	0.71	0.14	0.10	0.12	0.13	0.27	0.30	7
Moyenne journalière													
8	0.16	1.23	1.05	0.98	0.35	0.51	0.22	0.11	0.11 -	0.12	0.27	0.28	8
Media giornaliera													
9	1.92	1.03	0.88	0.77	0.58	0.41	0.22	0.09 -	0.11 -	0.19	0.26	0.25	9
10	1.62	0.79	0.77	0.71	0.83 +	0.34	0.24	0.13	0.11 -	0.88	0.23	0.22	10
11	1.26	0.72	0.65	0.70	0.68	0.38	0.16	0.37	0.11 -	0.67	0.20	0.22	11
12	2.85	0.73	0.59	0.68	0.53	0.48	0.20	0.47 +	0.46	0.30	0.19	0.21	12
13	3.75 +	0.68	0.87	0.67	0.44	0.50	0.23	0.27	0.18	0.20	0.19	0.19	13
m³/s													
14	3.39	0.62	2.82 +	0.56	0.35	1.03	0.24	0.18	0.19	0.47	0.18	0.17	14
15	2.32	0.56	2.10	0.52	0.29	0.45	0.16	0.14	0.17	2.31	0.17	0.17	15
16	1.46	0.51	1.82	0.51	0.25	0.38	0.15	0.12	0.13	1.58	0.17	0.16 -	16
17	2.45	0.47	1.56	0.53	0.25	0.31	0.14	0.21	0.12	0.65	0.17	0.16 -	17
18	2.36	0.46	1.41	0.53	0.23	0.28	0.13	0.22	0.12	0.47	0.16 -	0.18	18
19	1.65	0.43	1.27	0.46	0.21	0.26	0.13	0.27	0.12	1.13	0.30	1.51 +	19
20	3.73	0.39	1.25	0.41	0.17	0.24	0.19	0.38	0.11 -	1.37	0.25	0.96	20
21	3.07	0.38 -	1.12	0.38	0.19	0.22	0.28	0.18	0.11 -	0.95	0.23	0.50	21
22	2.02	0.47	0.86	0.35	0.44	0.24	0.62 +	0.15	0.11 -	0.61	0.22	0.39	22
23	1.41	0.74	0.74	0.34	0.52	0.32	0.15	0.13	0.11 -	0.43	0.27	0.48	23
24	1.09	0.54	1.55	0.32	0.46	0.20	0.14	0.21	0.47 +	0.34	0.29	0.88	24
25	0.94	0.51	2.05	0.30	0.36	0.16	0.13	0.15	0.36	0.37	0.29	0.76	25
+Maximum													
Massimo	0.84	0.47	1.56	0.26	0.26	0.15	0.12	0.27	0.22	3.62 +	0.26	1.12	26
27	0.75	0.45	1.17	0.23	0.19	0.15	0.12	0.22	0.17	3.47	0.22	0.93	27
- Minimum													
28	0.69	0.41	1.03	0.20	0.17	0.14	0.11	0.16	0.15	1.88	0.21	0.75	28
Minimo	0.63	0.39	1.05	0.19	0.16	0.13 -	0.11	0.17	0.14	1.30	0.36	0.64	29
29	0.55		1.10	0.17 -	0.15 -	0.13 -	0.10 -	0.19	0.13	0.84	0.35	0.59	30
30	1.14		1.19		0.16		0.10 -	0.17		0.61		0.55	31
31													31
Monatsmittel													
Moyenne mensuelle	1.39 +	0.80	1.14	0.58	0.33	0.48	0.17 -	0.18	0.17 -	0.83	0.26	0.48	m ³ /s
Media mensile													
Maximum/Massimo	5.72	3.44	3.34	1.83	0.88	2.69	2.69	3.86	1.19	5.93 +	0.53 -	4.12	m ³ /s
Spitze/Pointe/Punta	20.	1.	14.	7.	10.	3.	22.	12.	12.	15.	1.	19.	
Datum/Date/Data													
Jahresmittel/Moyenne annuelle/Media annua	0.57 m ³ /s												



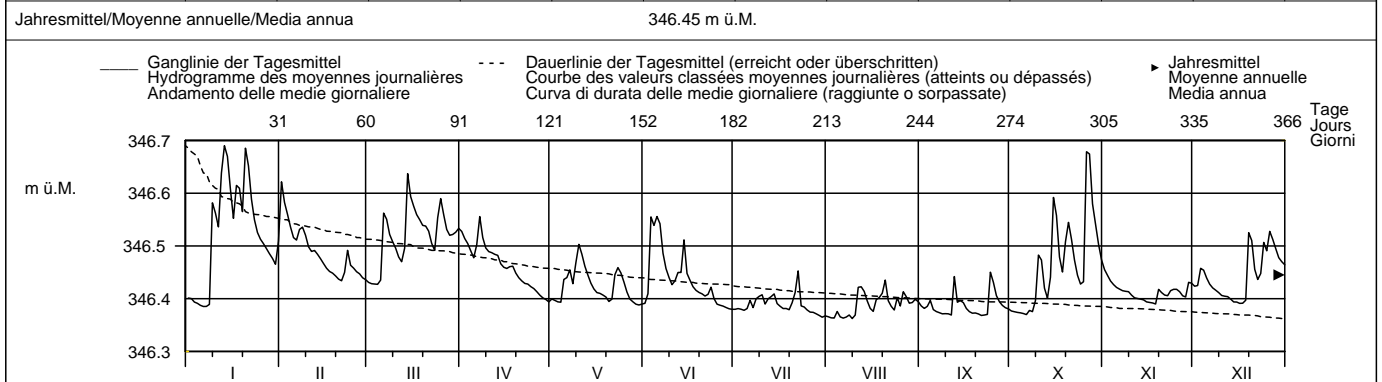
Periode/Période/Periodo	1984 - 2004 (21 Jahre/années/anni)													
Monatsmittel	0.78	0.75	0.87 +	0.83	0.69	0.56	0.37	0.22 -	0.33	0.46	0.68	0.77	m ³ /s	
Moyenne mensuelle														
Media mensile														
Maximum/Massimo	8.53 -	14.8	17.6	8.93	24.9 +	19.6	18.1	13.2	9.28	10.5	16.0	12.0	m ³ /s	
Spitze/Pointe/Punta	1995	1999	2001	1986	1999	1990	1997	1999	1987	2002	1995	1997		
Jahr/Année/Anno														
Min./Tagesmitt./Moy. jour./Media giorno	0.10	0.09	0.10	0.12 +	0.10	0.06	0.05	0.00 -	0.04	0.06	0.07	0.04	m ³ /s	
Jahr/Année/Anno	1989	1989	1986	1996	1989	1989	2003	1984	1984	1986	1985	1986		
Grösstes Jahresmittel	0.96 (1999) m ³ /s			Mittlerer Abfluss				0.61 m ³ /s				Kleinstes Jahresmittel		
Moyenne annuelle la plus grande				Débit moyen								Moyenne annuelle la plus petite		
La più grande media annua				Portata media								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	182	213	244	274	305	335	366	
2004	3.75	3.62	3.07	2.56	1.92	1.41	1.09	0.86	0.71	0.55	0.47	0.39	m ³ /s							
1984 - 2004	5.77	3.73	3.06	2.69	2.09	1.50	1.14	0.91	0.74	0.59	0.48	0.39	m ³ /s							
Tage/Jours/Giorni	182	205	228	251	274	292	310	329	347	356	362	365								
2004	0.34	0.27	0.22	0.19	0.17	0.16	0.14	0.13	0.11	0.11	0.10	0.10	m ³ /s							
1984 - 2004	0.33	0.28	0.23	0.19	0.17	0.15	0.13	0.11	0.09	0.08	0.06	0.02	m ³ /s							

Kanton Basel-Landschaft, Tiefbauamt, Geschäftsbereich Wasserbau
Landeshydrologie

Wasserstand	Hintere Frenke-Bubendorf, Morgental										BL 4309									
Niveau d'eau	Koordinaten Coordonnées		622270 / 256550		Höhe Altitude		352 m ü.M.		Fläche Surface Superficie		38.2 km²		Mittlere Höhe Altitude moyenne Altitudine media		603 m ü.M.		Vergletscherung Extension glacier Ghiacciaio		0 %	
Livello d'acqua																				

2004	Jan./Janv. Genn.	Feb./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.		
Tagesmittel	1	346.40	346.62+	346.43-	346.53	346.40	346.39	346.38	346.37	346.39	346.38	346.46+	346.42	1
	2	346.40	346.58	346.43-	346.51	346.40	346.41	346.38	346.36-	346.38	346.38	346.44	346.43	2
	3	346.39-	346.56	346.43-	346.50	346.39-	346.56+	346.38	346.36-	346.39	346.37-	346.43	346.46	3
	4	346.39-	346.54	346.43-	346.49	346.39-	346.54	346.38	346.38	346.40	346.37-	346.43	346.45	4
	5	346.39-	346.52	346.44	346.48	346.48	346.56+	346.38	346.37	346.38	346.37-	346.42	346.44	5
Moyenne journalière	6	346.39-	346.51	346.56	346.50	346.44	346.54	346.40	346.36-	346.38	346.37-	346.42	346.43	6
	7	346.39-	346.53	346.55	346.56+	346.45	346.49	346.38	346.37	346.37-	346.38	346.42	346.42	7
Media giornaliera	8	346.39-	346.54	346.52	346.52	346.43	346.46	346.40	346.37	346.37-	346.38	346.41	346.42	8
	9	346.58	346.52	346.51	346.50	346.47	346.44	346.40	346.37-	346.37-	346.40	346.41	346.41	9
	10	346.56	346.50	346.50	346.49	346.50+	346.43	346.41	346.37	346.37-	346.48	346.41	346.41	10
m ü.M.	11	346.54	346.49	346.48	346.49	346.48	346.43	346.39	346.42	346.37-	346.47	346.40	346.40	11
	12	346.64	346.49	346.47	346.48	346.46	346.45	346.40	346.42	346.44	346.42	346.40	346.40	12
	13	346.69+	346.48	346.50	346.48	346.44	346.45	346.40	346.41	346.39	346.40	346.40	346.40	13
	14	346.67	346.48	346.64+	346.47	346.43	346.51	346.41	346.40	346.40	346.44	346.40	346.39-	14
	15	346.61	346.47	346.59	346.46	346.42	346.45	346.39	346.38	346.39	346.59	346.39-	346.39-	15
+Maximum Massimo	16	346.55	346.46	346.58	346.46	346.41	346.43	346.39	346.38	346.38	346.56	346.39-	346.39-	16
	17	346.61	346.45	346.56	346.46	346.41	346.42	346.38	346.40	346.38	346.48	346.39-	346.39-	17
	18	346.61	346.45	346.55	346.46	346.41	346.42	346.38	346.40	346.37-	346.45	346.39-	346.40	18
	19	346.57	346.44	346.54	346.45	346.40	346.41	346.38	346.41	346.37-	346.51	346.42	346.53+	19
	20	346.69+	346.44	346.54	346.44	346.39-	346.41	346.39	346.44+	346.37-	346.54	346.41	346.51	20
	21	346.65	346.43-	346.53	346.43	346.40	346.41	346.41	346.40	346.37-	346.51	346.41	346.46	21
	22	346.59	346.45	346.50	346.43	346.45	346.41	346.45+	346.39	346.37-	346.47	346.41	346.44	22
	23	346.55	346.49	346.49	346.43	346.46	346.42	346.39	346.38	346.37-	346.44	346.42	346.45	23
	24	346.53	346.46	346.55	346.42	346.45	346.40	346.38	346.40	346.45+	346.43	346.42	346.51	24
	25	346.51	346.46	346.59	346.42	346.43	346.39	346.38	346.39	346.43	346.43	346.42	346.49	25
- Minimum Minimo	26	346.50	346.45	346.56	346.41	346.41	346.39	346.37	346.41	346.41	346.68+	346.41	346.53+	26
	27	346.49	346.45	346.53	346.41	346.40	346.39	346.37	346.40	346.39	346.67	346.41	346.51	27
	28	346.49	346.44	346.52	346.40	346.39-	346.38	346.37	346.39	346.39	346.58	346.40	346.49	28
	29	346.48	346.44	346.52	346.40	346.39-	346.38-	346.37	346.39	346.38	346.54	346.43	346.48	29
	30	346.47		346.53	346.39-	346.39-	346.38-	346.36-	346.40	346.38	346.50	346.43	346.47	30
	31	346.51		346.53	346.39-	346.39-	346.38-	346.37	346.39	346.38	346.47	346.43	346.46	31
Monatsmittel Moyenne mensuelle Media mensile	346.52+	346.49	346.52+	346.46	346.42	346.44	346.39-	346.39-	346.39-	346.47	346.41	346.44	m ü.M.	
Maximum/Massimo Spitze/Pointe/Punta Datum/Date/Data	346.79 20.	346.67 1.	346.67 14.	346.58 7.	346.51 10.	346.63 3.	346.63 22.	346.70 12.	346.53 12.	346.80+ 15.	346.46- 1.	346.71 19.	m ü.M.	
Minimum/Minimo Momentan/momentan. Datum/Date/Data	346.38 8.	346.43+ 1.	346.42 5.	346.39 30.	346.39 30.	346.38 30.	346.36- 30.	346.36- 1.	346.37 23.	346.37 5.	346.39 18.	346.39 17.	m ü.M.	
Jahresmittel/Moyenne annuelle/Media annua	346.45 m ü.M.													



Periode/Période/Periodo	1984 - 2004											(21 Jahre/années/anni)		
Monatsmittel Moyenne mensuelle Media mensile	346.47	346.47	346.49+	346.48	346.46	346.45	346.42	346.39-	346.41	346.43	346.46	346.47	m ü.M.	
Maximum/Massimo Spitze/Pointe/Punta Jahr/Année/Anno	346.93- 1986	347.14 1999	347.22 2001	346.99 1986	347.38+ 1999	347.29 1990	347.23 1997	347.09 1999	347.00 1987	347.00 2002	347.17 1995	347.05 1997	m ü.M.	
Minimum Tagesmittel Moyenne j./Media g. Jahr/Année/Anno	346.37+ 1989	346.37+ 1989	346.37+ 1986	346.37+ 1996	346.37+ 1989	346.35 1989	346.34 1984	346.32- 1984	346.32- 1984	346.35 1986	346.36 1985	346.33 1986	m ü.M.	
Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua	346.49 (1999) m ü.M.			Mittlerer Wasserstand Niveau d'eau moyen Livello medio dell'acqua				346.45 m ü.M.			Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua			346.41 (1989) m ü.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	
2004	346.69	346.68	346.65	346.62	346.58	346.54	346.52	346.50	346.49	346.46	346.45	346.44	m ü.M.
1984 - 2004	346.77	346.70	346.66	346.64	346.60	346.56	346.53	346.51	346.49	346.47	346.45	346.44	m ü.M.
2004	346.43	346.41	346.41	346.40	346.39	346.39	346.38	346.38	346.37	346.37	346.36	346.36	m ü.M.
1984 - 2004	346.43	346.42	346.41	346.40	346.39	346.39	346.38	346.37	346.36	346.36	346.35	346.32	m ü.M.

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