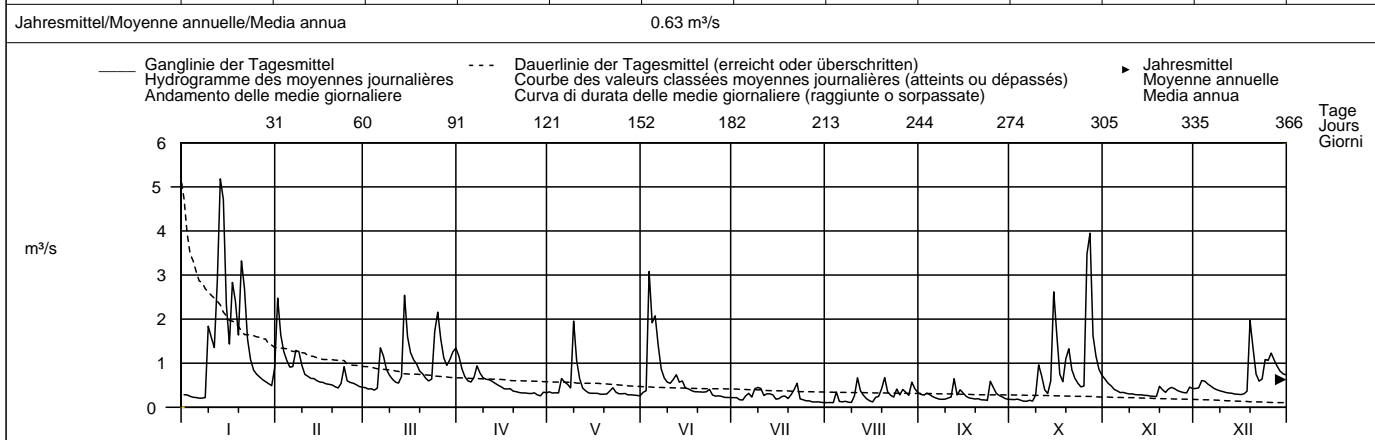


Abfluss	Vordere Frenke - Bubendorf, Talhaus										BL 4319
Débit	Koordinaten		Höhe		Fläche		Mittlere Höhe		Vergletscherung		- %
Portata	Coordonnées		Altitude		Surface		Altitude moyenne		Extension glacier		
	623420 / 255510		371 m ü.M.		45.6 km ²		647 m ü.M.		Ghiacciaio		
	Coordinate		Altitudine		Superficie		Altitudine media		Ghiacciaio		

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.	
1	0.28	2.48 +	0.45	1.16 +	0.35	0.34	0.22	0.11 -	0.29	0.18	0.64 +	0.43	1
2	0.28	1.65	0.41	0.87	0.32	0.37	0.22	0.11 -	0.28	0.17	0.54	0.44	2
3	0.25	1.27	0.42	0.69	0.33	3.08 +	0.17	0.11 -	0.32	0.18	0.49	0.61	3
4	0.23	1.07	0.39 -	0.60	0.33	1.92	0.17	0.35	0.28	0.16	0.41	0.59	4
5	0.22	0.91	0.44	0.57	0.65	2.08	0.26	0.13	0.24	0.14 -	0.37	0.53	5
Tagesmittel													
6	0.21 -	0.92	1.35	0.68	0.57	1.41	0.32	0.12	0.21	0.14 -	0.33	0.48	6
7	0.21 -	1.29	1.17	0.94	0.52	0.87	0.23	0.13	0.19	0.16	0.34	0.43	7
Moyenne journalière													
8	0.22	1.27	0.86	0.78	0.44	0.67	0.42	0.12	0.18	0.14 -	0.32	0.40	8
Media giornaliera													
9	1.84	0.95	0.73	0.67	1.96 +	0.57	0.45	0.11 -	0.18	0.28	0.30	0.37	9
10	1.59	0.75	0.64	0.64	1.06	0.54	0.43	0.26	0.21	0.96	0.30	0.36	10
11	1.36	0.70	0.57	0.62	0.65	0.63	0.27	0.67 +	0.23	0.71	0.29	0.34	11
12	2.87	0.65	0.55	0.59	0.44	0.74	0.30	0.37	0.65 +	0.40	0.28	0.32	12
13	5.18 +	0.65	0.70	0.54	0.37	0.57	0.30	0.27	0.28	0.31	0.28	0.32	13
m³/s													
14	4.72	0.60	2.54 +	0.50	0.33	0.60	0.28	0.19	0.40	0.60	0.27	0.30	14
15	2.32	0.57	1.60	0.46	0.32	0.44	0.18	0.15	0.32	2.62	0.27	0.30	15
16	1.43	0.56	1.24	0.42	0.32	0.42	0.20	0.12	0.25	1.65	0.25 -	0.29 -	16
17	2.83	0.53	1.08	0.42	0.31	0.38	0.25	0.22	0.21	0.75	0.25 -	0.31	17
18	2.40	0.52	0.98	0.42	0.30	0.35	0.25	0.25	0.20	0.58	0.25 -	0.36	18
19	1.64	0.51	0.82	0.37	0.30	0.35	0.20	0.42	0.19	1.10	0.48	1.97 +	19
20	3.32	0.47	0.76	0.35	0.30	0.35	0.28	0.67 +	0.19	1.33	0.40	1.34	20
21	2.69	0.44 -	0.66	0.33	0.37	0.34	0.40	0.35	0.17	0.85	0.34	0.75	21
22	1.55	0.54	0.60	0.32	0.44	0.35	0.54 +	0.27	0.17	0.66	0.42	0.59	22
23	1.08	0.92	0.64	0.33	0.34	0.41	0.19	0.23	0.16 -	0.54	0.45	0.64	23
24	0.85	0.60	1.72	0.31	0.31	0.28	0.17	0.41	0.59	0.46	0.42	1.08	24
25	0.75	0.56	2.16	0.31	0.31	0.25	0.15	0.28	0.45	0.48	0.38	1.06	25
+Maximum													
Massimo	0.69	0.55	1.55	0.33	0.31	0.26	0.15	0.40	0.31	3.48	0.35	1.23	26
27	0.63	0.51	1.12	0.28	0.28	0.25	0.12	0.34	0.27	3.95 +	0.33	1.07	27
- Minimum													
Minimo	0.58	0.47	0.95	0.26 -	0.28	0.22 -	0.12	0.27	0.23	1.62	0.33	0.93	28
29	0.54	0.45	1.08	0.34	0.28	0.22 -	0.12	0.57	0.19	1.15	0.46	0.82	29
30	0.49		1.26	0.33	0.27	0.22 -	0.11 -	0.42	0.18	0.85	0.42	0.76	30
31	0.89		1.34		0.26 -		0.11 -	0.33		0.72		0.73	31
Monatsmittel													
Moyenne mensuelle	1.42 +	0.81	0.99	0.51	0.44	0.65	0.24 -	0.28	0.27	0.88	0.37	0.65	m ³ /s
Media mensile													
Maximum/Massimo													
Spitze/Pointe/Punta	8.21 +	3.14	3.12	1.48	2.82	6.45	1.92	3.76	1.62	7.63	1.16 -	5.27	m ³ /s
Datum/Date/Data	14.	1.	24.	1.	9.	3.	22.	11.	12.	27.	19.	19.	
Jahresmittel/Moyenne annuelle/Media annua	0.63 m ³ /s												



Periode/Période/Periodo	1978 - 2004 (27 Jahre/années/anni)													
Monatsmittel	0.96	0.99	1.09 +	0.92	0.86	0.72	0.54	0.40 -	0.44	0.60	0.74	0.95	m ³ /s	
Moyenne mensuelle														
Media mensile														
Maximum/Massimo	13.8	18.9	18.2	13.1	27.3 +	26.1	22.6	11.2 -	16.2	12.1	15.9	17.4	m ³ /s	
Spitze/Pointe/Punta														
Jahr/Année/Anno	1995	1999	2001	1992	1999	1987	1999	1982	1987	1990	1995	1997		
Min./Tagesmitt./Moy. jour./Media giorno	0.17	0.14	0.16	0.18 +	0.15	0.09	0.09	0.07	0.03 -	0.03 -	0.08	0.07	m ³ /s	
Jahr/Année/Anno	1997	1986	1986	1997	1998	2003	2003	2003	1985	1985	1985	1985		
Grösstes Jahresmittel	1.07 (1981) m ³ /s			Mittlerer Abfluss				0.77 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	
													0.40 (2003) m ³ /s	

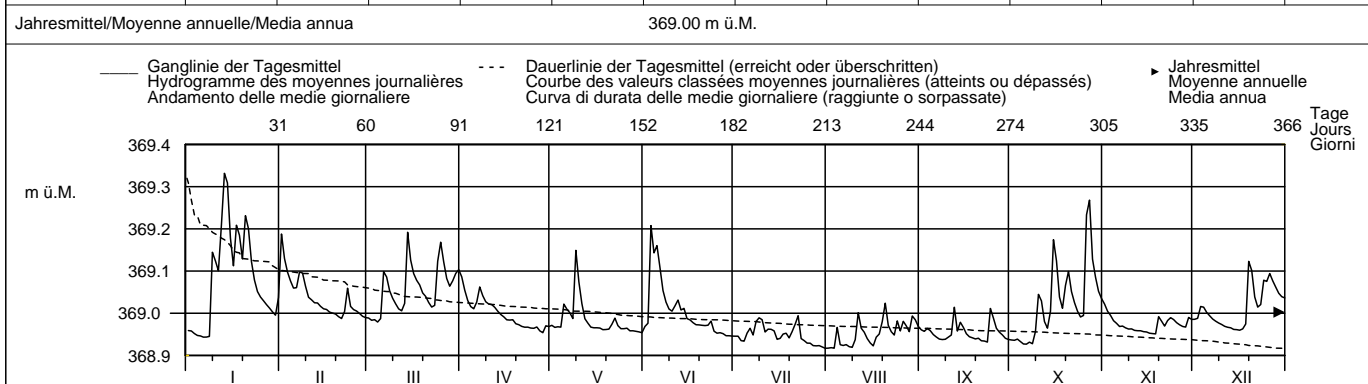
Dauer der Abflüsse (erreicht oder überschritten)	Débits classés (atteints ou dépassés)						Durata delle portate (raggiunte o sorpassate)						
Tage/Jours/Giorni	1	3	6	9	18	36	55	73	91	114	137	160	
2004	5.18	3.95	3.08	2.69	1.96	1.33	1.06	0.82	0.67	0.60	0.54	0.45	m ³ /s
1978 - 2004	6.32	4.53	3.45	2.97	2.22	1.61	1.24	1.05	0.91	0.76	0.65	0.57	m ³ /s
Tage/Jours/Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2004	0.42	0.36	0.33	0.31	0.28	0.26	0.22	0.19	0.15	0.12	0.11	0.11	m ³ /s
1978 - 2004	0.51	0.45	0.39	0.35	0.31	0.28	0.25	0.20	0.15	0.12	0.09	0.04	m ³ /s

Die Abflussmengen wurden auch für die Jahre 1975 - 1977 bestimmt.

Kanton Basel-Landschaft, Tiefbauamt, Geschäftsbereich Wasserbau
Landeshydrologie

Wasserstand		Vordere Frenke-Bubendorf, Talhaus										BL 4319
Niveau d'eau	Koordinaten	623420 / 255510	Höhe	371 m ü.M.	Fläche	45.6 km ²	Mittlere Höhe	647 m ü.M.	Vergletscherung	0 %		
Livello d'acqua	Coordinate		Altitudine		Superficie		Altitudine media		Estensione glacier			

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.	
Tagesmittel	368.96	369.19+	368.99	369.09+	368.97	368.97	368.95	368.92-	368.96	368.94	369.02+	368.99	1
	368.96	369.13	368.98-	369.05	368.97	368.98	368.95	368.92-	368.96	368.94	369.00	368.99	2
	368.95	369.10	368.98-	369.03	368.97	369.21+	368.94	368.92-	368.96	368.94	368.99	369.02	3
	368.95	369.08	368.98-	369.02	368.97	369.14	368.93	368.97	368.96	368.93	368.98	369.01	4
	368.95	369.06	368.99	369.01	369.02	369.16	368.95	368.93	368.95	368.93-	368.98	369.00	5
Moyenne journalière	368.94-	369.06	369.10	369.03	369.01	369.11	368.96	368.92-	368.94	368.93-	368.97	368.99	6
	368.94-	369.10	369.09	369.06	369.00	369.05	368.95	368.93	368.94	368.93-	368.97	368.99	7
Media giornaliera	368.95	369.10	369.05	369.04	368.99	369.03	368.98	368.92-	368.94	368.93-	368.97	368.98	8
	369.14	369.06	369.04	369.03	369.15+	369.01	368.99+	368.92-	368.94	368.96	368.96	368.98	9
	369.12	369.04	369.02	369.02	369.07	369.01	368.98	368.94	368.94	369.04	368.96	368.97	10
m ü.M.	369.10	369.03	369.01	369.02	369.02	369.02	368.96	369.00	368.95	369.03	368.96	368.97	11
	369.21	369.02	369.01	369.01	368.99	369.03	368.96	368.96	369.01+	368.98	368.96	368.97	12
	369.33+	369.02	369.02	369.00	368.98	369.01	368.96	368.96	368.96	368.96	368.96	368.97	13
	369.31	369.02	369.19+	369.00	368.97	369.01	368.96	368.94	368.98	369.00	368.96	368.96	14
	369.18	369.01	369.13	368.99	368.97	368.99	368.94	368.93	368.97	369.17	368.96	368.96-	15
	369.11	369.01	369.09	368.98	368.97	368.98	368.94	368.92-	368.95	369.12	368.95-	368.96-	16
	369.21	369.00	369.08	368.98	368.97	368.98	368.95	368.94	368.94	369.12	368.95-	368.96-	17
	369.19	369.00	369.07	368.98	368.96	368.97	368.95	368.95	368.94	369.01	368.95-	368.96-	18
	369.13	369.00	369.05	368.98	368.96	368.97	368.94	368.98	368.94	369.07	368.99	369.12+	19
	369.23	368.99-	369.04	368.97	368.96	368.97	368.96	369.02+	368.94	369.10	368.98	369.10	20
	369.20	368.99-	369.03	368.97	368.97	368.97	368.97	368.97	368.93-	369.05	368.97	369.04	21
	369.12	369.00	369.01	368.97	368.99	368.99	368.99+	368.96	368.93-	369.03	368.98	369.01	22
	369.08	369.06	369.02	368.97	368.97	368.98	368.94	368.95	368.93-	369.01	368.99	369.02	23
	369.05	369.02	369.12	368.96	368.96	368.96	368.94	368.98	369.01+	368.99	368.99	369.08	24
	369.04	369.01	369.17	368.96	368.96	368.95-	368.93	368.96	368.99	368.99	368.98	369.08	25
+Maximum Massimo	369.03	369.01	369.12	368.97	368.96	368.95-	368.93	368.98	368.96	369.23	368.97	369.09	26
	369.02	369.00	369.08	368.96	368.96	368.95	368.92	368.97	368.96	369.27+	368.97	369.08	27
- Minimum Minimo	369.01	368.99-	369.06	368.95-	368.96	368.95	368.92-	368.96	368.95	369.13	368.97	369.06	28
	369.00	368.99-	369.08	368.97	368.96	368.95	368.92	368.99	368.94	369.09	368.99	369.05	29
	369.00		369.09	368.97	368.96	368.95-	368.92-	368.98	368.94	369.05	368.99	369.04	30
	369.04		369.10		368.95-	368.92-	368.92-	368.97	369.03		369.04	369.04	31
Monatsmittel Moyenne mensuelle Media mensile	369.08+	369.04	369.06	369.00	368.98	369.01	368.95-	368.95-	368.95-	369.03	368.97	369.01	m ü.M.
Maximum/Massimo Spitze/Pointe/Punta Datum/Date/Data	369.47+ 14.	369.23 1.	369.23 24.	369.12 1.	369.21 9.	369.40 3.	369.15 22.	369.26 11.	369.13 12.	369.45 27.	369.09- 19.	369.34 19.	m ü.M.
Minimum/Minimo Momentan/momentan. Datum/Date/Data	368.93 8.	368.98+ 21.	368.97 5.	368.95 28.	368.95 31.	368.94 1.	368.92 31.	368.92 3.	368.92 6.	368.91- 7.	368.95 17.	368.96 16.	m ü.M.
Jahresmittel/Moyenne annuelle/Media annua	369.00 m ü.M.												



Periode/Période/Periodo	1978 - 2004 (27 Jahre/années/anni)												
Monatsmittel Moyenne mensuelle Media mensile	369.04	369.04	369.06+	369.04	369.03	369.01	368.98	368.96-	368.97	368.99	369.01	369.04	m ü.M.
Maximum/Massimo Spitze/Pointe/Punta Jahr/Année/Anno	369.68 1995	369.82 1999	369.81 2001	369.66 1992	370.03+ 1999	370.00 1987	369.92 1999	369.68 1982	369.77 1987	369.65- 1990	369.74 1995	369.78 1997	m ü.M.
Minimum Tagesmittel Moyenne j./Media g. Jahr/Année/Anno	368.93 1989	368.92 1986	368.92 1986	368.94+ 1997	368.93 1998	368.91 2003	368.91 2003	368.90 2003	368.89- 1986	368.89- 1985	368.90 1985	368.90 1985	m ü.M.
Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua	369.05 (1981) m ü.M.			Mittlerer Wasserstand Niveau d'eau moyen Livello medio dell'acqua			369.01 m ü.M.			Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua			368.97 (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	369.33	369.27	369.21	369.20	369.14	369.10	369.07	369.04	369.03	369.01	369.00	368.99	m ü.M.
1978 - 2004	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/Jours/Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2004	368.98	368.97	368.97	368.96	368.96	368.95	368.95	368.94	368.93	368.92	368.92	368.92	m ü.M.
1978 - 2004	368.99	368.98	368.97	368.96	368.96	368.95	368.94	368.94	368.93	368.92	368.91	368.89	m ü.M.

Kanton Basel-Landschaft, Tiefbauamt, Geschäftsbereich Wasserbau
Landeshydrologie