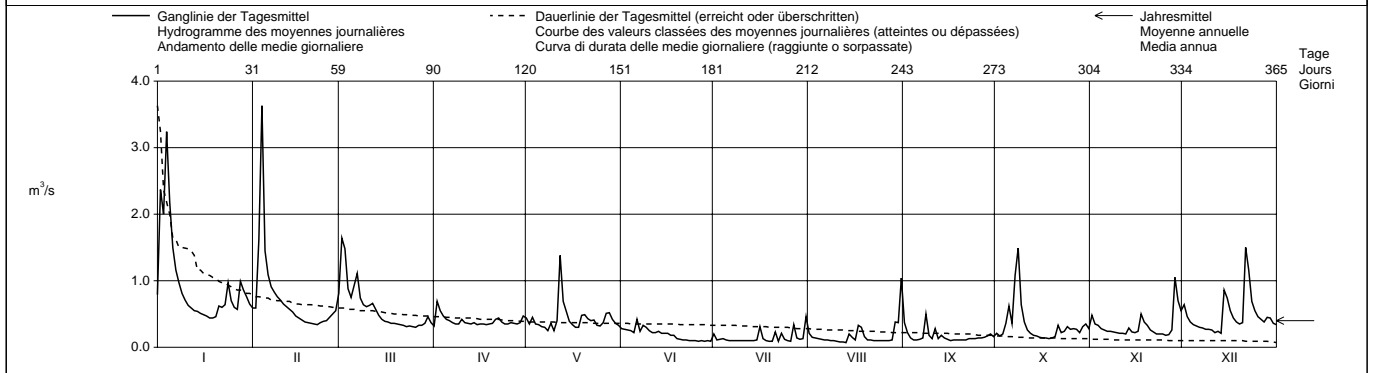


<b>Abfluss</b> <b>Débit</b> <b>Portata</b>	<b>Vordere Frenke - Bubendorf, Talhaus</b>						<b>BL 319</b>											
	Koordinaten Coordonnées Coordinate			623 420 / 255 510			Höhe Altitude Altitudine			371.0 m ü.M. m s.m. m s.m.			Fläche Surface Superficie			45.60 km <sup>2</sup>		
							Mittlere Höhe Altitude moyenne Altitudine media			647.0 m ü.M. m s.m. m s.m.			Vergletscherung Extension glacier Ghiacciaio			0.00 %		

2003		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	0.79	0.59	0.81	0.32	0.44	0.28	0.20	0.21	0.37	0.21	0.48	0.64	1
	2	2.37	0.59	1.64	0.69	0.35	0.27	0.11	0.15	0.22	0.17	0.35	0.46	2
	3	2.00	1.62	1.48	0.55	0.45	0.26	0.12	0.14	0.14	0.20	0.33	0.38	3
	4	3.24	3.63	0.88	0.47	0.35	0.25	0.13	0.13	0.11	0.36	0.28	0.34	4
Moyenne journalière	5	2.18	1.45	0.75	0.42	0.34	0.22	0.11	0.12	0.11	0.62	0.26	0.32	5
Media giornaliera	6	1.50	1.09	0.93	0.40	0.31	0.42	0.10	0.11	0.12	0.36	0.24	0.30	6
	7	1.16	0.91	1.11	0.37	0.30	0.24	0.10	0.11	0.14	1.08	0.24	0.29	7
	8	0.97	0.83	0.74	0.35	0.25	0.33	0.10	0.10	0.50	1.49	0.23	0.27	8
	9	0.81	0.76	0.64	0.35	0.36	0.30	0.10	0.10	0.18	0.64	0.22	0.27	9
	10	0.71	0.71	0.61	0.42	0.25	0.25	0.10	0.09	0.13	0.38	0.21	0.26	10
	11	0.63	0.65	0.63	0.37	0.40	0.22	0.10	0.08	0.28	0.26	0.21	0.22	11
	12	0.59	0.61	0.66	0.36	1.38	0.22	0.10	0.08	0.13	0.21	0.20	0.24	12
	13	0.55	0.57	0.57	0.35	0.69	0.24	0.10	0.07	0.18	0.18	0.29	0.21	13
m <sup>3</sup> /s	14	0.54	0.53	0.48	0.37	0.54	0.21	0.10	0.20	0.14	0.17	0.23	0.86	14
	15	0.51	0.47	0.42	0.34	0.39	0.21	0.11	0.15	0.12	0.15	0.22	0.74	15
	16	0.49	0.44	0.39	0.35	0.34	0.21	0.31	0.11	0.10	0.14	0.24	0.55	16
	17	0.47	0.41	0.38	0.35	0.30	0.18	0.13	0.33	0.11	0.14	0.50	0.44	17
	18	0.44	0.38	0.36	0.34	0.30	0.18	0.10	0.30	0.11	0.13	0.38	0.38	18
	19	0.44	0.37	0.36	0.35	0.48	0.13	0.09	0.16	0.11	0.14	0.33	0.35	19
	20	0.46	0.36	0.35	0.36	0.49	0.12	0.09	0.11	0.11	0.16	0.26	0.37	20
	21	0.62	0.35	0.34	0.42	0.43	0.11	0.23	0.11	0.11	0.33	0.23	1.50	21
	22	0.60	0.34	0.33	0.44	0.40	0.11	0.09	0.10	0.13	0.22	0.20	1.16	22
+ Maximum	23	0.64	0.37	0.31	0.38	0.41	0.10	0.21	0.10	0.13	0.24	0.20	0.69	23
Massimo	24	0.97	0.39	0.32	0.35	0.33	0.10	0.12	0.10	0.13	0.31	0.20	0.55	24
	25	0.70	0.40	0.31	0.35	0.32	0.10	0.10	0.10	0.14	0.27	0.18	0.46	25
- Minimum	26	0.60	0.45	0.30	0.37	0.37	0.09	0.09	0.10	0.14	0.28	0.19	0.42	26
Minimo	27	0.57	0.50	0.33	0.36	0.51	0.10	0.34	0.10	0.15	0.27	0.26	0.38	27
	28	0.99	0.55	0.33	0.35	0.52	0.09	0.14	0.11	0.17	0.22	1.05	0.45	28
	29	0.86	0.36	0.37	0.37	0.42	0.10	0.12	0.38	0.20	0.31	0.70	0.44	29
	30	0.76	0.46	0.46	0.47	0.36	0.09	0.13	0.37	0.16	0.35	0.55	0.36	30
	31	0.65		0.37		0.33		0.46	1.04	0.28			0.34	31

Monatsmittel Moyenne mensuelle Media mensile	0.93	0.73	0.58	0.39	0.42	0.19	0.14	0.18	0.16	0.33	0.32	0.47	m <sup>3</sup> /s
Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data	8.70 2.	9.00 4.	2.20 6.	1.30 2.	4.90 11.	1.90 8.	2.20 27.	3.60 31.	1.80 8.	3.70 7.	1.30 28.	3.00 21.	m <sup>3</sup> /s

Jahresmittel / Moyenne annuelle / Media annua 0.40 m<sup>3</sup>/s



Periode / Période / Periodo	1978 - 2003 (26 Jahre / années / anni)														
Monatsmittel Moyenne mensuelle Media mensile	0.94	1.00	1.09	0.93	0.88	0.72	0.55	0.41	0.45	0.59	0.75	0.96	m <sup>3</sup> /s		
Maximum / Massimo (Spitze / Pointe / Punta) Jahr / Année / Anno	13.8 1995	19.0 1999	18.2 2001	13.2 1992	28.0 1999	27.0 1987	23.0 1999	11.7 1982	16.3 1987	12.2 1990	15.9 1995	17.4 1997	m <sup>3</sup> /s Dat.		
Minimum / Minimo (Tagesmittel / Moyenne journ. / Media giornal.)	0.17 1997	0.14 1986	0.16 1986	0.18 1997	0.15 1998	0.09 2003	0.09 2003	0.07 2003	0.02 1985	0.03 1985	0.08 1985	0.06 1985	m <sup>3</sup> /s Dat.		
Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua	1.07 (1982)			m <sup>3</sup> /s			Mittlerer Abfluss Débit moyen Portata media			0.77			m <sup>3</sup> /s		
Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua	0.40 (2003)												m <sup>3</sup> /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	
2003	3.63	2.37	1.64	1.50	1.08	0.74	0.62	0.54	0.46	0.41	0.37	0.35	m <sup>3</sup> /s
1978 - 2003	6.33	4.52	3.49	2.98	2.23	1.62	1.25	1.06	0.92	0.77	0.66	0.58	m <sup>3</sup> /s
Tage / Jours / Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2003	0.33	0.30	0.25	0.21	0.17	0.14	0.12	0.11	0.10	0.09	0.09	0.07	m <sup>3</sup> /s
1978 - 2003	0.51	0.45	0.40	0.36	0.32	0.28	0.25	0.20	0.15	0.12	0.09	0.04	m <sup>3</sup> /s

Kanton Basel-Landschaft, Tiefbauamt, Hauptabteilung Wasserbau  
Landeshydrologie und -geologie

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

Wasserstand  
Niveau d'eau  
Livello d'acqua

Vordere Frenke - Bubendorf, Talhaus

BL 319

Koordinaten  
Coordonnées  
Coordinate 623 420 / 255 510

Höhe  
Altitude  
Altitudine 371.0 m ü.M.  
m s.m.  
m s.m.

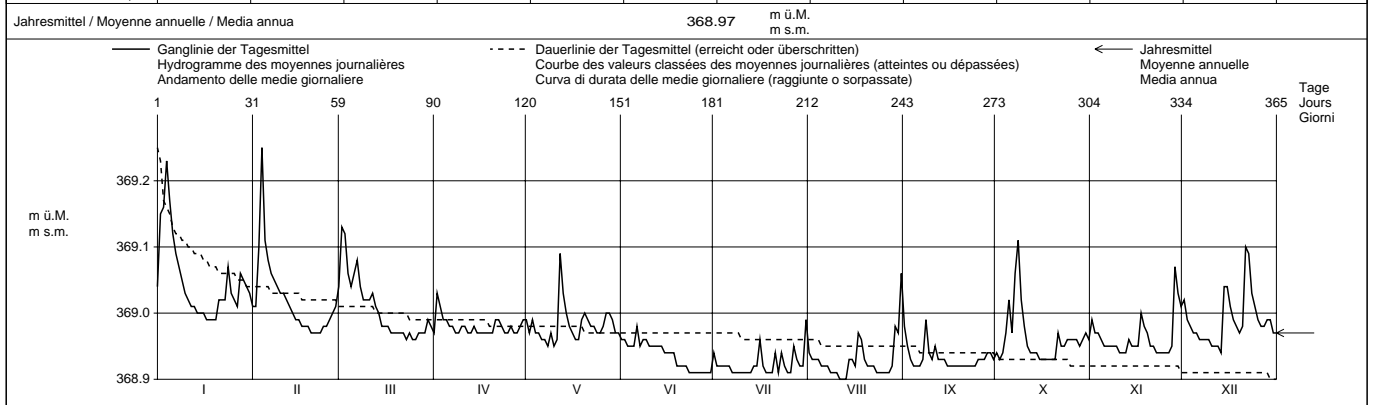
Fläche  
Surface  
Superficie 45.60 km<sup>2</sup>

Mittlere Höhe  
Altitude moyenne  
Altitudine media 647.0 m ü.M.  
m s.m.  
m s.m.

Vergletscherung  
Extension glacier  
Ghiacciaio 0.00 %

2003		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	369.04	369.01	369.04	368.97	368.99	368.96	368.94	368.94	368.98	368.94	368.99	369.02	1	
	2	369.15	369.01	369.13 +	369.03 +	368.97	368.96	368.92	368.93	368.95	368.93	368.97	368.99	2	
	3	369.16	369.10	369.12	369.01	368.99	368.95	368.92	368.93	368.93	368.94	368.97	368.98	3	
	4	369.23 +	369.25 +	369.06	368.99	368.97	368.95	368.92	368.93	368.92	368.92	368.97	368.96	368.97	4
	5	369.17	369.11	369.04	368.99	368.97	368.95	368.92	368.92	368.92	368.92	369.02	368.95	368.97	5
Moyenne journalière	6	369.12	369.08	369.06	368.98	368.96	368.98 +	368.92	368.92	368.92	368.97	368.95	368.96	6	
	7	369.09	369.06	369.08	368.98	368.96	368.95	368.91 -	368.92	368.93	369.06	368.95	368.96	7	
Media giornaliera	8	369.07	369.05	369.04	368.97	368.95 -	368.96	368.91 -	368.91	368.99 +	369.11 +	368.95	368.96	8	
	9	369.05	369.04	369.02	368.97	368.97	368.96	368.91 -	368.91	368.94	369.02	368.95	368.96	9	
m ü.M. m s.m.	10	369.03	369.03	369.02	368.98	368.95 -	368.95	368.91 -	368.91	368.93	368.98	368.94 -	368.95	10	
	11	369.02	369.03	369.02	368.98	368.96	368.95	368.91 -	368.90 -	368.95	368.95	368.94 -	368.95	11	
	12	369.01	369.02	369.03	368.97	369.09 +	368.95	368.91 -	368.90 -	368.93	368.94	368.94 -	368.95	12	
	13	369.01	369.01	369.01	368.97	369.03	368.95	368.91 -	368.90 -	368.93	368.94	368.96	368.94 -	13	
	14	369.00	369.00	369.00	368.98	369.00	368.95	368.92	368.93	368.93	368.94	368.95	369.04	14	
	15	369.00	368.99	368.98	368.97	368.98	368.94	368.92	368.93	368.92	368.93	368.95	369.04	15	
	16	369.00	368.99	368.98	368.97	368.97	368.94	368.96	368.92	368.92	368.92	368.93	368.95	369.01	16
	17	368.99	368.98	368.98	368.97	368.96	368.94	368.92	368.97	368.92	368.92	368.93	369.00	368.99	17
	18	368.99	368.98	368.98	368.97	368.97	368.94	368.91 -	368.96	368.92	368.92	368.93	368.98	368.98	18
	19	368.99	368.98	368.97	368.97	368.99	368.92	368.91 -	368.93	368.92	368.92	368.93	368.97	368.97	19
	20	368.99	368.97	368.97	368.97	369.00	368.92	368.91 -	368.92	368.92	368.92	368.93	368.95	368.98	20
	+ Maximum Massimo	21	369.02	368.97	368.97	368.99	368.99	368.92	368.94	368.92	368.92	368.97	368.95	369.10 +	21
22		369.02	368.97	368.97	368.99	368.98	368.92	368.91 -	368.92	368.92	368.95	368.94 -	369.09	22	
- Minimum Minimo	23	369.02	368.97	368.96	368.98	368.98	368.91 -	368.94	368.91	368.92	368.95	368.94 -	369.03	23	
	24	369.07	368.98	368.97	368.97	368.97	368.91 -	368.92	368.91	368.92	368.96	368.94 -	369.01	24	
Monatsmittel Moyenne mensuelle Media mensile	25	369.03	368.98	368.96	368.97	368.97	368.91 -	368.91	368.91	368.93	368.96	368.94 -	368.99	25	
	26	369.02	368.99	368.96	368.98	368.98	368.91 -	368.91	368.91	368.93	368.96	368.94 -	368.98	26	
	27	369.01	369.00	368.97	368.97	369.00	368.91 -	368.95	368.91	368.93	368.96	368.95	368.98	27	
	28	369.06	369.01	368.97	368.97	369.00	368.91 -	368.93	368.92	368.94	368.95	369.07 +	368.99	28	
	29	369.05	368.97	368.97	368.98	368.99	368.91 -	368.92	368.98	368.94	368.96	369.03	368.99	29	
	30	369.04	368.99	368.99	368.99	368.97	368.91 -	368.92	368.97	368.93	368.97	369.01	368.97	30	
	31	369.03	368.98	368.98	368.98	368.97	368.97	368.99 +	369.06 +	368.93	368.96	369.01	368.97	31	

Monatsmittel Moyenne mensuelle Media mensile	369.05 +	369.02	369.01	368.98	368.98	368.94	368.92 -	368.93	368.93	368.93	368.96	368.96	368.99	m ü.M. m s.m.
Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data	369.50 2.	369.51 + 4.	369.17 6.	369.09 - 2.	369.32 11.	369.15 8.	369.17 27.	369.25 31.	369.14 8.	369.26 7.	369.10 28.	369.22 21.	369.22 21.	m ü.M. m s.m.
Minimum / Minimo (Momentan / momen- tané / momentaneo)	368.98 + 21.	368.96 22.	368.95 26.	368.96 29.,30.	368.93 11.	368.90 23.	368.90 22.	368.89 - 14.	368.90 5.,17.	368.92 18.	368.93 26.	368.94 13.	368.94 13.	m ü.M. m s.m.



Periode / Période / Periodo	1978 – 2003 ( 26 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. m s.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	369.70 1982	369.77 1987	369.65 - 1990	369.74 1995	369.78 1997	m ü.M. m s.m. Dat.	
Minimum / Minimo (Momentan / momen- tané / momentaneo)	368.93 + 1997	368.92 1986	368.92 1986	368.93 + 1997	368.92 1998	368.90 2003	368.89 - 2002	368.89 - 2003	368.89 - 1985	368.89 - 1985	368.90 1985	368.90 1985	m ü.M. m s.m. Dat.	
Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua	369.05 (1982)			m ü.M. m s.m.	Mittlerer Wasserstand Niveau d'eau moyen Livello d'acqua medio			369.01	m ü.M. m s.m.	Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua			368.97 (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	
2003	369.25	369.17	369.13	369.11	369.07	369.04	369.02	369.00	368.99	368.98	368.98	368.97	m ü.M. m s.m.
1978 - 2003	369.41	369.32	369.27	369.23	369.18	369.12	369.09	369.07	369.05	369.03	369.01	369.00	m ü.M. m s.m.
Tage / Jours / Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2003	368.97	368.96	368.95	368.94	368.93	368.93	368.92	368.92	368.91	368.91	368.91	368.90	m ü.M. m s.m.
1978 - 2003	368.99	368.98	368.97	368.97	368.96	368.95	368.95	368.94	368.93	368.92	368.91	368.89	m ü.M. m s.m.