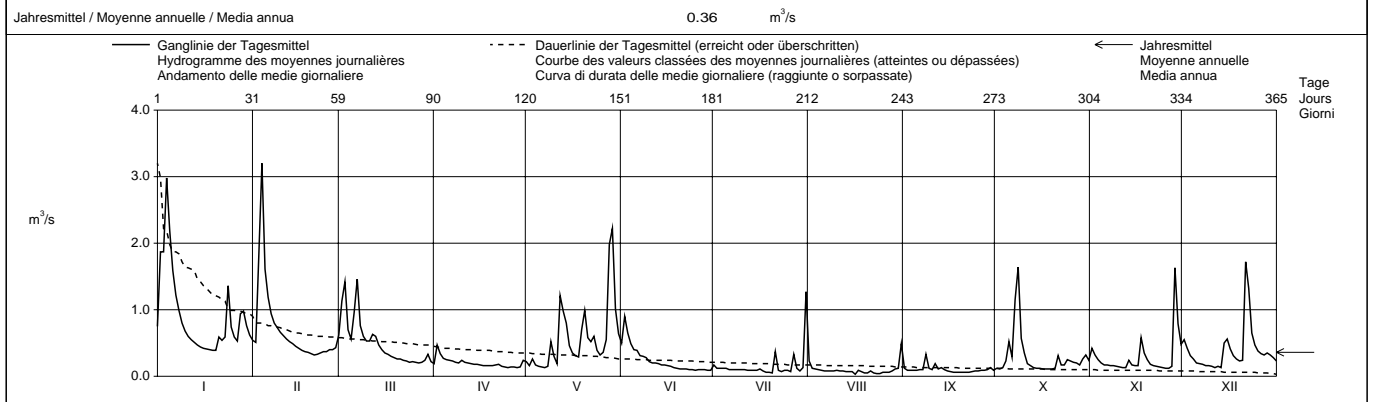


Abfluss Débit Portata	Hintere Frenke - Bubendorf, Morgental						BL 309						
	Koordinaten Coordonnées Coordinate	622 270 / 256 550				Höhe Altitude Altitudine	352.0		m ü.M. m s.m. m s.m.	Fläche Surface Superficie	38.20		km ²
					Mittlere Höhe Altitude moyenne Altitudine media	603.0		m ü.M. m s.m. m 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	0.75	0.54	0.62	0.19	0.22	0.50	0.17	0.23	0.12	0.12	0.42	0.55	1
	2	1.87	0.51	1.13	0.47 +	0.16	0.90 +	0.12	0.12	0.09	0.11	0.32	0.42	2
	3	1.87	1.84	1.42	0.34	0.26	0.65	0.12	0.11	0.09	0.13	0.25	0.31	3
	4	2.98 +	3.20 +	0.70	0.27	0.17	0.49	0.12	0.10	0.09	0.23	0.20	0.26	4
Moyenne journalière	5	2.19	1.61	0.56	0.25	0.15	0.40	0.12	0.09	0.09	0.52	0.17	0.20	5
	6	1.59	1.19	0.96	0.24	0.14	0.39	0.10	0.08	0.10	0.29	0.17	0.19	6
	7	1.22	0.94	1.46 +	0.23	0.13 -	0.31	0.10	0.08	0.10	1.15	0.16	0.18	7
Media giornaliera	8	0.99	0.80	0.76	0.21	0.15	0.30	0.10	0.08	0.33 +	1.64 +	0.16	0.16	8
	9	0.80	0.73	0.60	0.20	0.52	0.28	0.10	0.08	0.12	0.57	0.15	0.16	9
	10	0.68	0.66	0.53	0.24	0.30	0.22	0.10	0.09	0.10	0.35	0.14	0.15	10
	11	0.60	0.61	0.53	0.21	0.19	0.20	0.10	0.08	0.19	0.19	0.13	0.13	11
	12	0.55	0.56	0.63	0.20	1.21	0.20	0.09	0.08	0.11	0.16	0.13	0.15	12
	13	0.51	0.52	0.60	0.19	0.98	0.19	0.09	0.07	0.13	0.13	0.13	0.13	13
m ³ /s	14	0.47	0.49	0.47	0.18	0.80	0.17	0.09	0.07	0.10	0.12	0.17	0.50	14
	15	0.44	0.45	0.40	0.18	0.46	0.17	0.09	0.07	0.08	0.12	0.16	0.56	15
	16	0.42	0.42	0.35	0.17	0.35	0.16	0.11	0.03 -	0.07	0.11 -	0.16	0.41	16
	17	0.41	0.39	0.33	0.16	0.31	0.15	0.08	0.09	0.06 -	0.11 -	0.58	0.31	17
	18	0.40	0.37	0.30	0.16	0.29	0.13	0.06	0.07	0.06 -	0.11 -	0.35	0.26	18
	19	0.39	0.36	0.28	0.16	0.70	0.12	0.06	0.05	0.06 -	0.11 -	0.25	0.23	19
	20	0.39	0.34	0.26	0.16	0.99	0.11	0.05 -	0.05	0.06 -	0.12	0.18	0.24	20
	21	0.59	0.32 -	0.26	0.17	0.58	0.11	0.37	0.08	0.06 -	0.31	0.16	1.72	21
	22	0.54	0.33	0.24	0.18	0.52	0.11	0.09	0.05	0.06 -	0.17	0.15	1.32	22
	23	0.59	0.35	0.23	0.15	0.60	0.10	0.07	0.04	0.07	0.17	0.14	0.65	23
+ Maximum	24	1.36	0.37	0.21	0.14	0.39	0.10	0.09	0.04	0.08	0.25	0.13	0.47	24
Massimo	25	0.74	0.37	0.22	0.13 -	0.32	0.09 -	0.09	0.06	0.08	0.23	0.12 -	0.38	25
- Minimum	26	0.59	0.40	0.21	0.14	0.36	0.10	0.07	0.06	0.09	0.21	0.12 -	0.34	26
Minimo	27	0.53	0.40	0.20	0.14	0.55	0.10	0.33	0.06	0.09	0.20	0.15	0.32	27
	28	0.94	0.43	0.21	0.13 -	1.98	0.10	0.12	0.08	0.10	1.63 +	0.35	0.28	28
	29	0.98	0.24	0.14	0.14	2.22 +	0.09 -	0.08	0.11	0.13	0.26	0.79	0.32	29
	30	0.76	0.33	0.33	0.24	1.01	0.09 -	0.13	0.12	0.32	0.32	0.48	0.28	30
	31	0.62		0.22		0.64		1.27 +	0.49 +		0.24		0.23	31

Monatsmittel Moyenne mensuelle Media mensile	0.90 +	0.70	0.50	0.20	0.57	0.23	0.15	0.09 -	0.10	0.29	0.28	0.38	m ³ /s
Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data	5.90 2.	7.50 3.	2.80 6.	0.90 - 2.	9.50 + 28.	3.80 2.	4.00 31.	2.30 31.	1.20 13.	3.60 7.	2.50 28.	3.70 21.	m ³ /s
Jahresmittel / Moyenne annuelle / Media annua	0.36 m ³ /s												



Periode / Période / Periodo	1984 – 2003 (20 Jahre / années / anni)														
Monatsmittel Moyenne mensuelle Media mensile	0.75	0.75	0.85 +	0.84	0.70	0.56	0.38	0.22 -	0.34	0.44	0.70	0.78	m ³ /s		
Maximum / Massimo (Spitze / Pointe / Punta) Jahr / Année / Anno	8.60 - 1995	14.8 1999	17.7 2001	9.00 1986	25.0 + 1994,1999	19.6 1990	18.2 1997	13.3 1999	9.30 1987	10.6 2002	16.1 1995	12.0 1997	m ³ /s Dat.		
Minimum / Minimo (Tagesmittel / Moyenne journ. / Media giornal.)	0.10 1989	0.09 1989	0.10 1986	0.12 + 1996	0.10 1989	0.06 1989	0.05 1984,2003	0.02 - 1984	0.02 - 1984	0.06 1985,1986	0.08 1985	0.04 1986	m ³ /s Dat.		
Größtes Jahresmittel Moyenne annuelle la plus grande La più grande media annua	0.95 (1999)			m ³ /s	Mittlerer Abfluss Débit moyen Portata media				0.61		m ³ /s	Kleinstes Jahresmittel Moyenne 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	
2003	3.20	2.22	1.87	1.72	1.27	0.79	0.60	0.53	0.45	0.37	0.31	0.25	m ³ /s
1984 - 2003	5.29	3.71	3.04	2.67	2.09	1.49	1.14	0.90	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	
2003	0.21	0.18	0.16	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.03	m ³ /s
1984 - 2003	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

Wasserstand
Niveau d'eau
Livello d'acqua

Hintere Frenke - Bubendorf, Morgental

BL 309

Koordinaten
Coordonnées
Coordinate 622 270 / 256 550

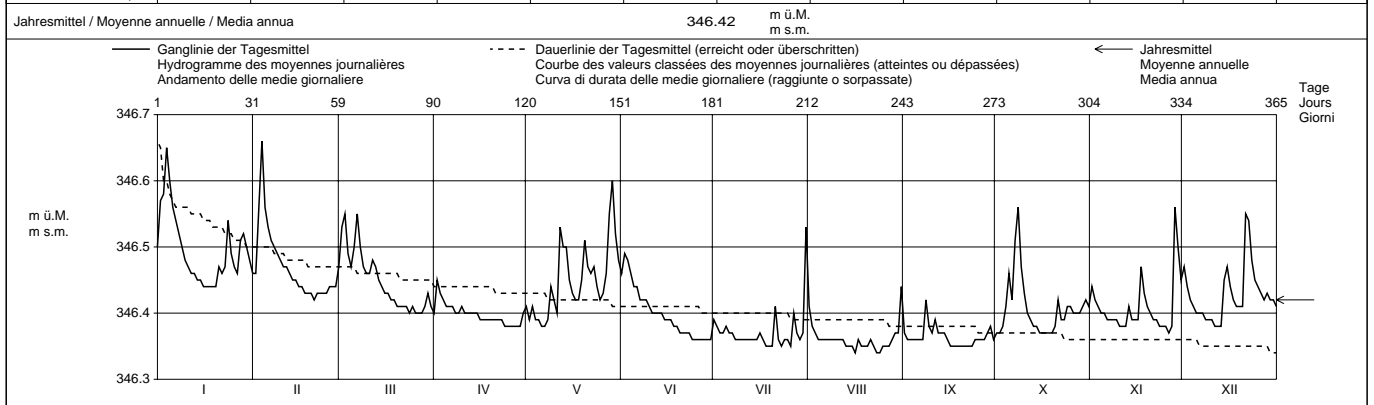
Höhe
Altitude
Altitudine 352.0 m ü.M.
m s.m.
m s.m.

Fläche
Surface
Superficie 38.20 km²

Mittlere Höhe
Altitude moyenne
Altitudine media 603.0 m ü.M.
m s.m.
m s.m.

Vergletscherung
Extension glacier
Ghiacciaio 0.00 %

2003		Jan./Janv. Genn.	Feb./Févr. Febbr.	März/Mars	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	346.50	346.46	346.47	346.40	346.41	346.46	346.39	346.41	346.37	346.37	346.44	346.47	1
	2	346.57	346.46	346.53	346.45 +	346.39	346.49 +	346.38	346.38	346.36	346.37	346.42	346.44	2
	3	346.58	346.56	346.55 +	346.43	346.41	346.48	346.37	346.37	346.36	346.38	346.41	346.42	3
	4	346.65 +	346.66 +	346.49	346.42	346.39	346.46	346.37	346.36	346.36	346.41	346.40	346.41	4
	5	346.60	346.56	346.47	346.41	346.39	346.44	346.38	346.36	346.36	346.46	346.40	346.40	5
	6	346.56	346.53	346.50	346.41	346.38 -	346.44	346.37	346.36	346.36	346.42	346.39	346.40	6
	7	346.54	346.51	346.55 +	346.41	346.38 -	346.42	346.37	346.36	346.36	346.41	346.39	346.40	7
	8	346.52	346.50	346.50	346.40	346.39	346.42	346.36	346.36	346.42 +	346.56 +	346.39	346.39	8
	9	346.50	346.49	346.47	346.40	346.44	346.42	346.36	346.36	346.38	346.47	346.39	346.39	9
	10	346.48	346.48	346.46	346.41	346.42	346.41	346.36	346.36	346.37	346.43	346.38	346.39	10
m ü.M. m s.m.	11	346.47	346.47	346.46	346.40	346.40	346.36	346.36	346.36	346.39	346.40	346.38	346.38	11
	12	346.46	346.47	346.48	346.40	346.53	346.40	346.36	346.36	346.37	346.39	346.38	346.38	12
	13	346.46	346.46	346.47	346.40	346.50	346.40	346.36	346.35	346.37	346.38	346.41	346.38	13
	14	346.45	346.45	346.45	346.40	346.50	346.40	346.36	346.35	346.37	346.38	346.39	346.45	14
	15	346.45	346.45	346.44	346.40	346.45	346.39	346.36	346.35	346.36	346.37	346.39	346.47	15
	16	346.44 -	346.44	346.43	346.39	346.43	346.39	346.37	346.34 -	346.35 -	346.37 -	346.39	346.44	16
	17	346.44 -	346.44	346.43	346.39	346.42	346.39	346.36	346.36	346.35 -	346.37 -	346.47	346.42	17
	18	346.44 -	346.43	346.42	346.39	346.42	346.38	346.35 -	346.35	346.35 -	346.37 -	346.43	346.41	18
	19	346.44 -	346.43	346.42	346.39	346.45	346.38	346.35 -	346.35	346.35 -	346.37 -	346.41	346.41	19
	20	346.44 -	346.43	346.41	346.39	346.51	346.37	346.35 -	346.35	346.35 -	346.38	346.40	346.41	20
	+ Maximum Massimo	21	346.47	346.42 -	346.41	346.39	346.47	346.37	346.41	346.36	346.35 -	346.42	346.39	346.55 +
22		346.46	346.43	346.41	346.39	346.46	346.37	346.36	346.35	346.35 -	346.39	346.39	346.54	22
23		346.47	346.43	346.41	346.39	346.47	346.37	346.35 -	346.34 -	346.35 -	346.39	346.38	346.48	23
24		346.54	346.43	346.40 -	346.38 -	346.44	346.36 -	346.36 -	346.34 -	346.36	346.41	346.38	346.45	24
25		346.49	346.43	346.41	346.38 -	346.42	346.36 -	346.36 -	346.35	346.36	346.41	346.38	346.44	25
26		346.47	346.44	346.40 -	346.38 -	346.43	346.36 -	346.35 -	346.35	346.36	346.40	346.37 -	346.43	26
27		346.46	346.44	346.40 -	346.38 -	346.46	346.36 -	346.40	346.35	346.36	346.40	346.38	346.42	27
28		346.51	346.44	346.40 -	346.38 -	346.55	346.36 -	346.37	346.36	346.37	346.40	346.56 +	346.43	28
29		346.52		346.41	346.38 -	346.60 +	346.36 -	346.36	346.37	346.38	346.41	346.50	346.42	29
30		346.50		346.43	346.40	346.52	346.36 -	346.37	346.37	346.36	346.42	346.45	346.42	30
31		346.48		346.41	346.40	346.48		346.53 +	346.44 +		346.41		346.41	31
Monatsmittel Moyenne mensuelle Media mensile		346.49 +	346.47	346.45	346.40	346.45	346.40	346.37	346.36 -	346.36 -	346.41	346.41	346.43	m ü.M. m s.m.
Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data		346.80 2.	346.87 3.	346.63 6.	346.51 - 2.	346.95 + 28.	346.69 2.	346.70 31.	346.60 31.	346.53 13.	346.68 7.	346.61 28.	346.69 21.	m ü.M. m s.m.
Minimum / Minimo (Momentan / momen- tané / momentaneo)		346.43 + 19.,20.	346.42 21.	346.40 22.	346.38 25.,28.	346.37 6.	346.36 30.	346.35 18.,20.	346.34 - 24.	346.35 21.	346.36 1.	346.37 26.	346.38 13.	m ü.M. m s.m.



Periode / Période / Período	1984 – 2003 (20 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. m s.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. m s.m. Dat.	
Minimum / Minimo (Momentan / momen- tané / momentaneo)	346.37 + 1989	346.36 1989	346.37 + 1986	346.37 + 1996	346.37 + 1989,2003	346.34 1989	346.34 1984	346.32 - 1984	346.32 - 1984	346.34 1985	346.35 1985	346.33 1986	m ü.M. m s.m. Dat.	
Grösstes Jahresmittel Moyenne 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 d'acqua medio			346.45	m ü.M. m s.m.	Kleinstes Jahresmittel Moyenne 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	
2003	346.66	346.60	346.57	346.56	346.54	346.50	346.47	346.46	346.44	346.43	346.42	346.41	m ü.M. m s.m.
1984 - 2003	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. m s.m.
Tage / Jours / Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2003	346.40	346.40	346.39	346.38	346.37	346.37	346.36	346.36	346.35	346.35	346.35	346.34	m ü.M. m s.m.
1984 - 2003	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. m s.m.