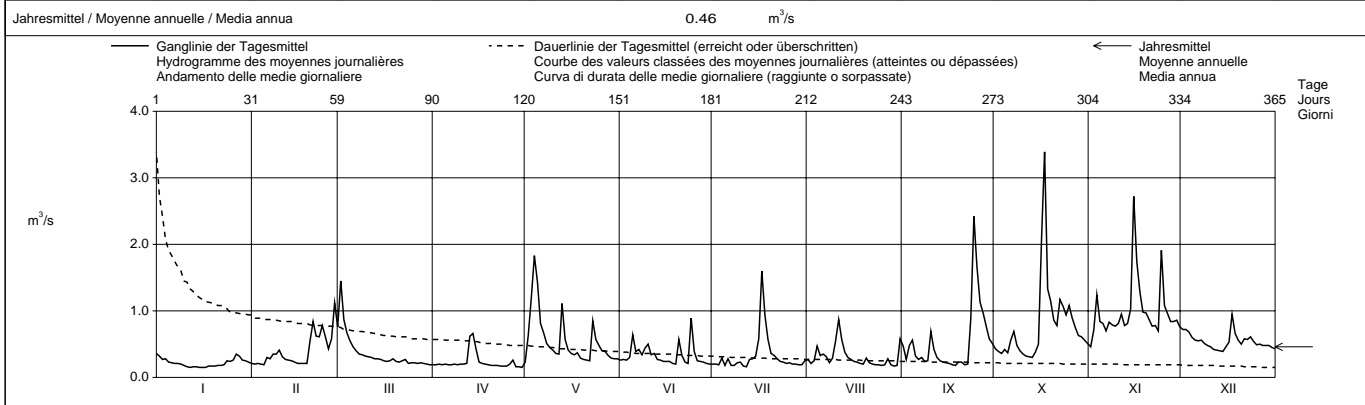


Abfluss	Marchbach - Oberwil						BL 312					
Débit	Koordinaten Coordonnées Coordinate						Höhe Altitude Altitudine					
Portata	609 100 / 262 460						296.0					
							m ü.M. m s.m. m s.m.					
							Fläche Surface Superficie					
							27.00 km ²					
							Mittlere Höhe Altitude moyenne Altitudine media					
							462.0					
							m ü.M. m s.m. m s.m.					
							Vergletscherung Extension glacier Ghiacciaio					
							0.00 %					

2002	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	0.36 +	0.21	0.76	0.19	0.23 -	0.26	0.20	0.27	0.47	0.43	0.46 -	
2	0.32	0.20	1.45 +	0.19	0.63	0.27	0.20	0.21	0.27	0.39	0.71	0.72	2
3	0.27	0.21	0.87	0.20	1.20	0.26	0.19	0.25	0.48	0.36	1.24	0.68	3
4	0.28	0.20	0.67	0.19	1.83 +	0.30	0.29	0.47	0.56	0.42	0.84	0.60	4
5	0.23	0.19 -	0.55	0.20	1.43	0.64	0.18	0.33	0.32	0.37	0.81	0.56	5
Tagesmittel	0.22	0.30	0.46	0.19	0.81	0.39	0.28	0.35	0.27	0.56	0.70	0.55	6
Moyenne journalière	0.21	0.28	0.40	0.19	0.67	0.42	0.18	0.31	0.30	0.69	0.83	0.56	7
Media giornaliera	0.21	0.35	0.35	0.20	0.51	0.34	0.18	0.22	0.24	0.48	0.79	0.51	8
9	0.20	0.35	0.34	0.19	0.45	0.44	0.22	0.29	0.25	0.40	0.77	0.48	9
10	0.18	0.41	0.32	0.20	0.41	0.50	0.23	0.55	0.69	0.35	0.81	0.46	10
11	0.16	0.31	0.31	0.20	0.36	0.34	0.17	0.87 +	0.42	0.32	0.95	0.42	11
12	0.15 -	0.27	0.30	0.21	0.35	0.36	0.16 -	0.57	0.30	0.31	0.78	0.41	12
13	0.16	0.26	0.28	0.62	1.11	0.27	0.27	0.38	0.25	0.30	0.81	0.40	13
14	0.16	0.25	0.28	0.66 +	0.57	0.26	0.28	0.30	0.23	0.38	1.03	0.39 -	14
m ³ /s	0.15 -	0.23	0.27	0.43 +	0.41	0.24	0.32	0.27	0.22	0.50	2.72 +	0.46	15
16	0.15 -	0.21	0.25	0.23	0.36	0.24	0.58	0.24	0.21	2.07	1.74	0.53	16
17	0.15 -	0.21	0.24	0.21	0.34	0.24	1.60 +	0.23	0.19	3.39 +	1.29	0.95 +	17
18	0.17	0.21	0.25	0.20	0.37	0.21	0.94	0.21	0.18 -	1.33	0.98	0.66	18
19	0.17	0.21	0.28	0.19	0.29	0.20	0.57	0.20	0.23	1.14	0.97	0.56	19
20	0.17	0.55	0.24	0.18	0.27	0.57	0.36	0.29	0.23	0.86	0.87	0.50	20
21	0.18	0.84	0.23	0.18	0.26	0.33	0.33	0.22	0.19	0.78	0.77	0.58	21
22	0.18	0.62	0.25	0.18	0.25	0.23	0.28	0.20	0.20	1.17	0.78	0.57	22
23	0.19	0.61	0.27	0.17	0.85	0.21	0.24	0.19	0.89	1.07	0.70	0.61	23
+ Maximum	0.25	0.78	0.21	0.17	0.57	0.89 +	0.23	0.19	2.42 +	0.94	1.91	0.54	24
Massimo	0.24	0.61	0.22	0.17	0.48	0.39	0.21	0.18	1.66	1.08	1.08	0.49	25
26	0.26	0.43	0.22	0.20	0.40	0.25	0.22	0.19	1.13	0.89	0.96	0.50	26
- Minimum	0.35	0.58	0.21	0.26	0.39	0.24	0.20	0.28	0.97	0.75	0.84	0.48	27
Minimo	0.32	1.12 +	0.22	0.16	0.33	0.23	0.20	0.19	0.77	0.63	0.84	0.48	28
29	0.26	0.21	0.21	0.16	0.29	0.21	0.19	0.17 -	0.58	0.61	0.86	0.48	29
30	0.25	0.20	0.20	0.15 -	0.28	0.20 -	0.19	0.18	0.51	0.56	0.76	0.45	30
31	0.23	0.19 -	0.19	0.19	0.28	0.20	0.25	0.58	0.51	0.51	0.43	0.43	31

Monatsmittel Moyenne mensuelle Media mensile	0.22 -	0.39	0.36	0.23	0.55	0.33	0.32	0.30	0.52	0.78	0.99 +	0.54	m ³ /s
Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data	0.60 - 26.,27.	1.80 27.	2.50 2.	0.90 13.	3.50 4.	3.80 24.	3.00 17.	4.00 31.	3.60 24.	5.70 + 17.	5.10 15.	1.40 17.	m ³ /s
Jahresmittel / Moyenne annuelle / Media annua	0.46 m ³ /s												

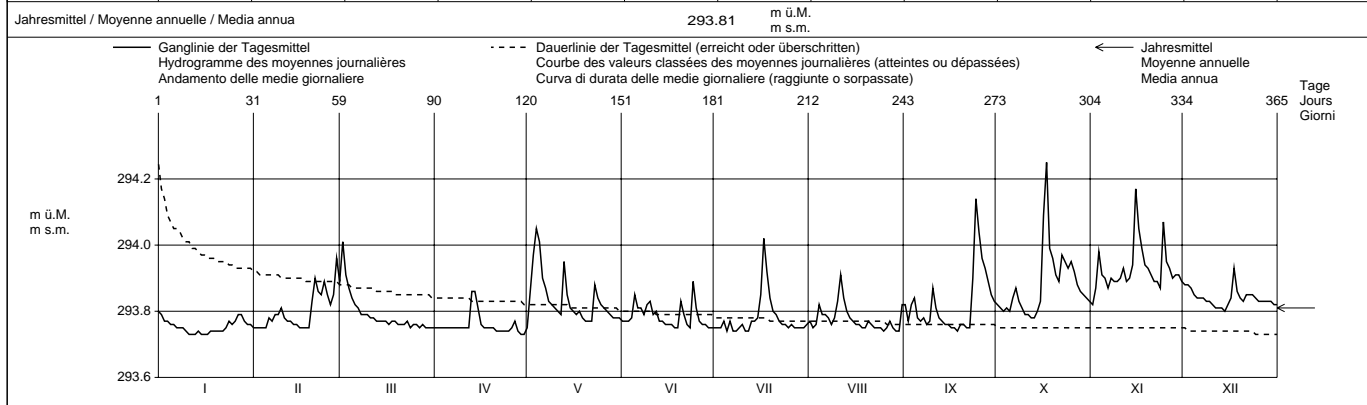


Periode / Période / Periodo	1980 - 2002 (23 Jahre / années / anni)														
Monatsmittel Moyenne mensuelle Media mensile	0.36	0.35	0.38	0.37	0.40 +	0.31	0.24	0.19 -	0.21	0.26	0.30	0.38	m ³ /s		
Maximum / Massimo (Spitze / Pointe / Punta) Jahr / Année / Anno	4.60 1981	10.0 1999	6.70 2001	6.50 1986	13.6 + 1994	12.3 1991	8.30 1997	5.60 1996	8.50 1987	5.70 1986,2002	5.90 1995	4.50 - 1995	m ³ /s Dat.		
Minimum / Minimo (Tagesmittel / Moyenne journal. / Media giornal.)	0.13 + 1986,1992	0.12 1992,1993	0.11 1996	0.08 1996	0.09 1997	0.07 1997	0.07 1993,1994	0.06 - 1994	0.07 1995,1996	0.07 1996	0.08 1994,1995	0.09 1994	m ³ /s Dat.		
Grösstes Jahresmittel Moyenne annuelle la plus grande La più grande media annua	0.48 (1999)			m ³ /s			Mittlerer Abfluss Débit moyen Portata media			0.31 m ³ /s			Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua		
	0.20 (1993,1997)			m ³ /s									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	
2002	3.39	2.42	1.83	1.60	1.13	0.87	0.78	0.66	0.57	0.50	0.42	0.36	m ³ /s
1980 - 2002	2.64	1.66	1.24	1.03	0.79	0.58	0.47	0.40	0.35	0.30	0.27	0.25	m ³ /s
Tage / Jours / Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2002	0.32	0.28	0.26	0.24	0.22	0.21	0.20	0.19	0.17	0.16	0.15	0.15	m ³ /s
1980 - 2002	0.23	0.21	0.19	0.18	0.16	0.15	0.14	0.12	0.11	0.09	0.08	0.07	m ³ /s

Wasserstand Niveau d'eau Livello d'acqua		Marchbach - Oberwil			BL 312			
		Koordinaten Coordonnées Coordinate	609 100 / 262 460	Höhe Altitude Altitudine	296.0 m ü.M. m s.m. m s.m.	Fläche Surface Superficie	27.00 km ²	
					Mittlere Höhe Altitude moyenne Altitudine media	462.0 m ü.M. m s.m. m s.m.	Vergletscherung Extension glacier Ghiacciaio	0.00 %

2002		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./Ott. Ott.	Nov./Nov. Nov.	Dez./Déc. Dic.		
Tagesmittel Moyenne journalière Media giornaliera	1	293.80 +	293.75 -	293.89	293.75	293.75 -	293.77	293.75	293.77	293.82	293.82	293.82 -	293.88	1	
	2	293.79	293.75 -	294.01 +	293.75	293.86	293.77	293.75	293.77	293.82	293.81	293.87	293.88	2	
	3	293.77	293.75 -	293.91	293.75	293.97	293.77	293.75	293.76	293.82	293.80	293.98	293.87	3	
	4	293.77	293.75 -	293.87	293.75	294.05 +	293.78	293.77	293.82	293.84	293.81	293.91	293.85	4	
	5	293.76	293.75 -	293.84	293.75	294.01	293.85	293.74 -	293.79	293.78	293.80	293.90	293.84	5	
	6	293.76	293.78	293.82	293.75	293.90	293.81	293.77	293.79	293.77	293.84	293.87	293.84	6	
	7	293.75	293.77	293.81	293.75	293.87	293.81	293.74 -	293.78	293.77	293.87	293.90	293.84	7	
	8	293.75	293.79	293.79	293.75	293.83	293.79	293.74 -	293.76	293.76	293.83	293.89	293.83	8	
	9	293.75	293.79	293.79	293.75	293.82	293.82	293.75	293.78	293.78	293.81	293.89	293.83	9	
	10	293.74	293.81	293.79	293.75	293.81	293.83	293.76	293.83	293.87	293.79	293.90	293.82	10	
	11	293.73 -	293.78	293.78	293.75	293.80	293.79	293.74 -	293.91 +	293.81	293.79	293.93	293.81	11	
	12	293.73 -	293.77	293.78	293.75	293.79	293.80	293.74 -	293.84	293.78	293.78 -	293.89	293.81	12	
	13	293.73 -	293.77	293.77	293.86 +	293.95	293.77	293.77	293.80	293.77	293.78 -	293.90	293.81	13	
	14	293.74	293.76	293.77	293.86 +	293.85	293.77	293.77	293.78	293.76	293.80	293.94	293.80	14	
	m ü.M. m s.m.	15	293.73 -	293.76	293.77	293.81	293.81	293.76	293.78	293.77	293.76	293.83	294.17 +	293.82	15
	16	293.73 -	293.75 -	293.77	293.76	293.80	293.76	293.85	293.76	293.75	294.09	294.05	293.84	16	
	17	293.73 -	293.75 -	293.76	293.75	293.79	293.76	294.02 +	293.76	293.75	294.25 +	293.99	293.93 +	17	
	18	293.74	293.75 -	293.77	293.75	293.80	293.75	293.92	293.75	293.74 -	293.99	293.94	293.86	18	
	19	293.74	293.75 -	293.77	293.75	293.78	293.75 -	293.84	293.75	293.76	293.96	293.93	293.84	19	
	20	293.74	293.83	293.76	293.75	293.77	293.83	293.80	293.77	293.76	293.91	293.91	293.83	20	
	21	293.74	293.90	293.76	293.74	293.77	293.79	293.79	293.76	293.75	293.89	293.89	293.85	21	
	22	293.74	293.86	293.76	293.74	293.77	293.76	293.75	293.75	293.75	293.97	293.89	293.85	22	
	23	293.75	293.85	293.77	293.74	293.88	293.75 -	293.76	293.75	293.90	293.95	293.87	293.85	23	
	24	293.77	293.89	293.75 -	293.74	293.84	293.89 +	293.76	293.75	294.14 +	293.93	294.07	293.84	24	
	+ Maximum Massimo	25	293.76	293.85	293.76	293.74	293.82	293.81	293.75	294.04	293.95	293.95	293.83	25	
	26	293.77	293.82	293.76	293.75	293.81	293.77	293.76	293.75	293.96	293.92	293.93	293.83	26	
	- Minimum Minimo	27	293.79	293.85	293.75 -	293.77	293.80	293.76	293.75	293.77	293.88	293.90	293.83	27	
	28	293.79	293.96 +	293.76	293.74	293.79	293.76	293.75	293.75	293.89	293.86	293.91	293.83	28	
	29	293.77		293.75 -	293.73 -	293.78	293.75 -	293.75	293.74 -	293.85	293.85	293.91	293.83	29	
	30	293.76		293.75 -	293.73 -	293.78	293.75 -	293.75	293.74 -	293.83	293.84	293.89	293.82	30	
	31	293.76		293.75 -	293.73 -	293.78	293.75 -	293.76	293.82	293.83	293.83	293.89	293.82	31	
Monatsmittel Moyenne mensuelle Media mensile		293.75 -	293.80	293.79	293.76	293.83	293.78	293.78	293.78	293.82	293.88	293.93 +	293.84	m ü.M. m s.m.	
Maximum / Massimo (Spitze / Pointe / Punta) Datum / Date / Data		293.84 - 26.,27.	294.05 27.	294.15 2.	293.92 13.	294.26 4.	294.29 24.	294.20 17.	294.31 31.	294.27 24.	294.49 + 17.	294.42 15.	294.01 17.	m ü.M. m s.m.	
Minimum / Minimo (Momentan / momen- tané / momentaneo)		293.70 - 17.	293.72 1., 2.	293.72 29.,30.	293.71 28.,30.	293.71 1.	293.72 20.	293.70 - 13.	293.71 30.,31.	293.72 21.	293.76 12.	293.79 + 2.	293.78 13.	m ü.M. m s.m.	
Jahresmittel / Moyenne annuelle / Media annua	293.81 m ü.M. m s.m.														



Periode / Période / Periodo		1993 – 2002											(10 Jahre / années / anni)		
Monatsmittel Moyenne mensuelle Media mensile		293.79	293.79	293.79	293.78	293.79	293.76	293.75	293.74 -	293.74 -	293.76	293.78	293.80 +	m ü.M. m s.m.	
Maximum / Massimo (Spitze / Pointe / Punta) Jahr / Année / Anno		294.15 - 2001	294.78 1999	294.58 2001	294.27 1998	294.98 + 1994	294.79 1995	294.66 1997	294.46 1996	294.37 1995	294.49 2002	294.48 1995	294.36 1995	m ü.M. m s.m. Dat.	
Minimum / Minimo (Momentan / momen- tané / momentaneo)		293.70 2002	293.72 + 1998	293.72 + 1996	293.70 1996	293.70 1997	293.69 2000	293.68 - 1998	293.68 - 1998	293.69 2001	293.69 1997	293.69 1997	293.70 1997	m ü.M. m s.m. Dat.	
Größtes Jahresmittel Moyenne annuelle la plus grande La più grande media annua		293.82 (1999)			m ü.M. m s.m.	Mittlerer Wasserstand Niveau d'eau moyen Livello d'acqua medio			293.77	m ü.M. m s.m.	Kleinstes Jahresmittel Moyenne annuelle la plus petite La più piccola media annua			293.74 (1997)	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	
2002	294.25	294.14	294.05	294.02	293.96	293.91	293.89	293.86	293.84	293.83	293.81	293.80	m ü.M. m s.m.
1993 - 2002	294.17	294.06	293.98	293.94	293.90	293.85	293.83	293.81	293.80	293.79	293.78	293.77	m ü.M. m s.m.
Tage / Jours / Giorni	182	205	228	251	274	292	310	329	347	356	362	365	
2002	293.78	293.77	293.77	293.76	293.75	293.75	293.75	293.75	293.74	293.74	293.73	293.73	m ü.M. m s.m.
1993 - 2002	293.76	293.75	293.74	293.74	293.73	293.72	293.72	293.71	293.70	293.70	293.69	293.69	m ü.M. m s.m.

Die Wasserstände wurden auch für die Jahre 1980 - 1992 bestimmt.
Ab 1.1. 1993 neue Nullpunkthöhe.