

A_{E0} : 327 km²



Pegel : Thann

Nr. 13402807

PNP :NN + 415.51 m

Gewässer : Altmühl

Lage: 180.1 km

m³/s

Gebiet : Donau, Lech bis Naab

	Tag	2005		2006														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
Tageswerte	1.	0.454	R0.489	1.59	D0.507	0.582	3.64	4.02	11.3	0.925	1.67	4.29	0.573	0.488	0.612			
	2.	0.556	0.539	3.68	D0.448	0.532	2.66	2.47	9.80	0.801	1.30	2.50	0.641	0.623	0.458			
	3.	0.654	0.500	2.77	D0.457	0.563	2.52	1.90	8.78	0.670	1.04	1.38	0.875	0.586	0.571			
	4.	0.630	0.607	1.64	D0.467	0.981	2.88	1.57	5.03	0.643	0.722	1.08	1.97	0.549	0.502			
	5.	0.771	5.34	1.43	D0.476	0.795	2.60	1.37	2.81	0.607	0.707	0.860	2.04	0.539	0.924			
	6.	0.805	7.36	1.21	D0.485	0.569	2.16	1.28	1.97	0.566	0.824	0.844	1.13	0.518	1.26			
	7.	0.821	3.22	1.09	D0.564	0.545	1.82	1.22	1.64	2.25	1.04	0.671	0.741	0.499	1.48			
	8.	0.588	1.63	1.02	D3.00	0.508	1.65	1.13	1.45	3.06	0.861	0.738	0.744	0.450	1.54			
	9.	0.546	1.21	0.948	D6.05	12.9	1.43	1.10	1.24	2.13	0.704	0.565	0.628	0.521	0.904			
	10.	0.538	1.02	0.878	D2.34	58.1	2.40	1.18	1.08	1.45	0.787	0.603	0.523	0.569	0.742			
	11.	0.548	0.771	0.809	D0.694	31.9	9.02	1.01	0.900	1.15	1.21	0.498	0.535	0.566	0.622			
	12.	0.540	0.656	0.739	D0.611	20.4	7.70	1.01	0.879	0.878	1.42	0.498	0.564	0.774	0.628			
	13.	0.560	0.695	0.669	D0.599	15.3	3.81	1.08	0.828	1.06	1.52	0.569	0.589	0.838	0.752			
	14.	0.442	0.702	0.600	D0.614	6.95	2.95	1.20	0.874	0.685	1.10	0.559	0.590	1.10	0.756			
	15.	0.448	0.704	0.545	0.632	3.02	3.90	1.17	1.31	0.703	0.927	0.468	0.531	1.06	0.650			
	16.	0.540	1.85	0.541	10.7	2.06	4.37	1.14	4.32	0.571	0.835	0.596	0.472	1.01	0.610			
	17.	0.612	6.73	0.623	35.9	1.71	3.65	2.14	1.39	0.485	0.790	0.584	0.374	0.874	0.539			
	18.	0.715	4.79	D1.14	19.5	1.73	2.86	2.22	0.793	0.486	0.642	0.429	0.537	0.699	0.545			
	19.	0.764	1.88	D2.66	13.9	2.12	2.54	1.70	0.675	0.515	0.578	0.541	0.584	0.655	0.602			
	20.	0.651	1.31	D1.46	10.6	2.76	2.12	1.60	3.08	0.527	0.638	0.434	0.629	0.660	0.540			
	21.	0.767	1.16	D2.98	5.00	2.94	1.90	1.52	2.09	0.932	0.648	0.502	0.655	0.546	0.463			
	22.	1.20	1.15	D6.93	4.00	4.68	1.61	1.33	0.981	0.671	0.691	0.454	0.570	1.18	0.491			
	23.	1.10	1.26	D3.64	2.05	6.00	4.62	1.44	0.748	0.729	0.673	0.520	0.551	1.54	0.378			
	24.	0.758	3.14	D1.87	1.06	3.56	3.30	1.47	0.626	0.584	0.607	0.371	0.843	1.10	0.442			
	25.	0.717	8.58	D0.981	0.780	3.24	2.04	1.26	0.630	0.557	0.724	0.378	1.30	0.954	0.401			
	26.	0.705	10.2	D0.746	0.715	5.95	3.49	1.47	0.600	0.542	0.845	0.461	0.974	0.823	0.375			
	27.	0.688	7.73	D0.615	0.647	7.89	4.54	3.50	0.630	0.598	1.44	0.358	0.643	0.615	0.349			
	28.	0.572	2.90	D0.532	0.561	7.34	6.78	5.72	1.66	0.606	3.32	0.480	0.667	0.719	0.359			
	29.	0.469	1.59	D0.528	0.529	10.0	7.39	2.17	0.787	8.23	0.548	0.649	0.654	0.654	0.419			
	30.	0.625	1.19	D0.530	3.46	8.33	8.45	1.62	0.701	8.93	0.459	0.473	0.530	0.420	0.420			
	31.		1.42	D0.543	3.95		11.4		0.751	7.17		0.621			0.417			
Hauptwerte	Tag	14.	1.	29.	2.	8.	9.	12.	26.	17.	19.	27.	17.	8.	27.			
	NQ	0.442	0.489	0.528	0.448	0.508	1.43	1.01	0.600	0.485	0.578	0.358	0.374	0.450	0.349			
	MQ	0.652	2.66	1.48	4.40	7.04	3.78	2.46	2.40	0.891	1.70	0.774	0.749	0.741	0.635			
	HQ	1.41	10.3	7.45	42.9	71.5	10.7	11.6	11.6	3.22	9.13	5.50	2.35	1.76	1.71			
	Tag	22.	26.	22.	17.	10.	29.	31.	1.	8.	30.	1.	5.	23.	7.			
	h _N	mm																
	h _A	mm	5	22	12	32	58	30	20	19	7	14	6	6	6	5		
			1968/2005		1969/2006												38 Jahre	
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	2001	2004			
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.216	0.217			
	MNQ	0.657	0.671	0.912	1.08	1.09	0.879	0.658	0.542	0.438	0.313	0.326	0.385	0.664	0.679			
	MQ	1.73	3.08	3.70	4.48	4.06	2.41	1.76	1.28	1.02	0.634	0.569	1.16	1.74	3.08			
	MHQ	5.87	15.4	20.5	26.7	21.8	11.7	8.83	4.97	3.73	2.32	1.82	6.64	5.83	15.2			
	HQ	39.0	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	8.66	90.8	39.0	95.9			
	Jahr	2002	1993	1982	1970	1988	1994	1999	1984	1996	1978	2005	1998	2002	1993			
		1968/2005		1969/2006												38 Jahre		
Mh _N	mm	14	25	30	33	33	19	14	10	8	5	4	9	14	25			
Mh _A	mm																	
		Abflussjahr (*)				Kalenderjahr				Unterschnittene Abflüsse m ³ /s								
		2006		2006		2006		2006		1969/2006		38 Kalenderjahre						
		Jahr	Datum	Winter	Sommer	Jahr	Datum	Jahr	Datum	Unterschnittungsdauer in Tagen	Abflussjahr (*)	Kalenderjahr	Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte			
		2006		2006		2006		2006		1969/2006		2006		2006		2006		
NQ	m ³ /s	0.358	am 27.09.2006	0.442	0.358	0.349	am 27.12.2006	0.349	am 27.12.2006	(365)	2006	2006	79.5	36.1	7.49			
MQ	m ³ /s	2.40		3.33	1.50	2.24		2.24		364	2006	2006	58.1	35.9	7.28			
HQ	m ³ /s	71.5	am 10.03.2006 bei W= 309 cm	71.5	11.6	71.5	am 10.03.2006 bei W= 309 cm	71.5	am 10.03.2006 bei W= 309 cm	363	2006	2006	58.1	35.9	7.28			
Nq	l/(s km ²)	1.09		1.35	1.09	1.07		1.07		362	2006	2006	31.9	31.9	5.87			
Mq	l/(s km ²)	7.35		10.2	4.57	6.84		6.84		361	2006	2006	20.4	20.4	20.6			
Hq	l/(s km ²)	218		218	35.5	218		218		360	2006	2006	19.5	19.5	18.8			
h _N	mm									359	2006	2006	15.3	15.3	17.0			
h _A	mm	232		162	71	232				358	2006	2006	13.9	13.9	16.1			
		1969/2006 (*)				1969/2006				Dauertabelle								
		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		
NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	am 17.07.1976	0.040	am 17.07.1976	340	1969/2006	1969/2006	7.70	7.17	15.5			
MNQ	m ³ /s	0.258		0.439	0.268	0.260		0.260		330	1969/2006	1969/2006	6.00	5.00	14.2			
MQ	m ³ /s	2.15		3.24	1.07	2.15		2.15		320	1969/2006	1969/2006	4.54	3.90	12.9			
MHQ	m ³ /s	46.5		42.9	16.4	48.2		48.2		300	1969/2006	1969/2006	3.22	2.88	10.6			
HQ	m ³ /s	95.9	am 21.12.1993 bei W= 324 cm	95.9	90.8	95.9	am 21.12.1993 bei W= 324 cm	95.9	am 21.12.1993 bei W= 324 cm	270	1969/2006	1969/2006	2.12	1.90	6.50			
HQ ₅	m ³ /s	37.5		36.2	8.64	37.5		37.5		240	1969/2006	1969/2006	1.52	1.42	2.57			
MNq	l/(s km ²)	0.788		1.34	0.819	0.794		0.794		210	1969/2006	1969/2006	1.20	1.08	1.67			
Mq	l/(s km ²)	6.56		9.90	3.27	6.56		6.56		183	1969/2006	1969/2006	1.01	0.875	1.47			
MHq	l/(s km ²)	142		131	50.2	147		147		150	1969/2006	1969/2006	0.764	0.722	1.30			
		1969/2006 (*)				1969/2006				Dauertabelle								
		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		38 Jahre		
Mh _N	mm	207		157	51	207				130	1969/2006	1969/2006	0.702	0.660	1.23			
Mh _A	mm									120	1969/2006	1969/2006	0.673	0.638	1.20			
		Niedrigwasser				Hochwasser												
		m ³ /s		l/(s km ²)		Datum		cm		Datum								
1		0.040	0.122	15.12.1968	95.9	293	21.12.1993			110			0.647	0.622	1.17	0.580		
2					90.8	277	29.10.1998			100			0.629	0.606	1.13	0.548		
3					90.4	276	31.01.1982			90			0.611	0.586	1.05	0.520		
4					83.3	254	17.03.1988			80			0.599	0.570	0.957	0.491		
5					82.8	253	22.02.1970			70			0.572	0.559	0.904	0.461		
6					81.6	249	07.02.1984			60			0.561	0.542	0.854	0.431		
7					76.9	235	18.03.2005			50			0.546	0.531	0.814	0.401		
8					74.6	228	26.02.1997			40			0.535	0.508	0.786	0.372		
9					72.9	223	08.02.1981			30			0.508	0.486	0.741	0.341		
10					71.5	218	10.03.2006			25			0.500	0.468	0.724	0.321		

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.

A_{E0} : 327 km²



Pegel : Thann

Nr. 13402807

PNP :NN+ 415.51 m

Gewässer : Altmühl

Lage: 180.1 km

m³/s

Gebiet : Donau, Lech bis Naab

Tageswerte	Tag	2003		2004														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
1.		0.527	0.860	0.400	2.60	1.32	1.29	1.05	0.605	K 0.428	0.114	0.696	0.315	0.355	0.368			
2.		0.385	0.485	0.476	11.1	1.26	1.28	1.23	1.42	K 0.441	0.124	0.554	0.344	0.308	0.364			
3.		0.466	0.520	0.376	13.9	1.27	1.21	1.16	K 1.55	K 0.461	0.103	0.393	0.337	0.294	0.373			
4.		0.322	0.327	0.403	13.1	1.28	1.08	1.10	K 0.943	K 0.391	K 0.097	0.294	0.294	0.268	0.384			
5.		0.353	0.378	0.395	8.99	1.34	1.15	1.36	K 0.836	K 0.493	K 0.110	0.299	0.261	0.306	0.385			
6.		0.361	0.385	0.427	3.28	1.33	1.89	1.88	K 1.24	K 0.484	K 0.083	K 0.211	0.244	0.297	0.351			
7.		0.275	0.454	0.502	1.96	1.30	3.08	6.57	K 0.919	K 0.395	K 0.109	K 0.218	0.290	0.362	0.325			
8.		0.405	R 0.325	D 0.839	2.09	1.44	6.48	11.2	K 0.615	K 0.382	K 0.094	K 0.252	0.322	0.335	0.313			
9.		0.327	R 0.366	0.968	3.19	1.53	8.76	11.5	K 0.585	K 0.518	K 0.099	K 0.202	0.389	0.335	0.305			
10.		0.283	R 0.377	2.94	3.16	1.56	4.44	7.65	K 0.583	K 0.491	K 0.111	K 0.216	0.540	0.352	0.292			
11.		0.374	R 0.419	3.92	3.07	1.52	2.51	2.47	K 0.514	K 0.522	K 0.126	K 0.219	0.414	0.503	0.243			
12.		0.298	0.398	6.79	3.78	1.39	2.00	1.38	K 0.629	K 0.506	K 0.122	K 0.204	0.278	0.639	0.282			
13.		0.340	0.430	12.8	4.01	1.38	1.69	1.05	K 0.732	K 0.569	K 0.142	K 0.250	0.307	1.04	0.254			
14.		0.455	1.18	40.8	5.32	2.02	1.50	0.807	K 0.543	K 0.611	K 0.146	K 0.281	0.305	1.61	R 0.219			
15.		0.370	2.26	26.3	8.59	2.51	1.35	0.780	K 0.532	K 0.623	K 0.200	K 0.247	0.252	0.970	0.217			
16.		0.327	1.53	16.3	8.19	2.10	1.22	0.731	K 0.563	K 0.582	K 0.365	K 0.228	0.371	0.465	0.241			
17.		0.472	0.968	13.8	5.16	1.65	1.25	0.665	K 0.548	K 0.385	K 0.226	K 0.229	0.284	0.385	0.259			
18.		0.475	0.747	12.6	3.42	1.51	1.16	0.680	K 0.455	K 0.433	K 0.175	K 0.203	0.345	0.349	0.507			
19.		0.438	0.678	9.30	2.95	1.41	1.14	0.622	K 0.505	K 0.701	0.248	K 0.256	0.372	0.419	1.24			
20.		0.397	0.582	R 3.89	2.52	1.40	1.19	0.631	K 0.557	K 0.503	0.227	K 0.217	0.335	0.632	0.765			
21.		0.370	0.712	3.09	2.23	1.62	0.985	0.651	K 0.524	K 0.441	0.250	K 0.261	0.325	0.506	D 0.509			
22.		0.354	1.17	1.78	2.08	2.02	1.06	0.838	K 0.528	K 0.398	0.228	K 0.211	0.316	0.397	0.340			
23.		0.361	R 0.985	1.05	2.32	1.71	0.843	0.560	K 0.562	K 0.486	0.312	K 0.366	0.264	0.519	0.342			
24.		0.383	0.763	0.980	2.27	2.38	0.919	0.602	K 0.516	K 1.25	0.320	K 1.34	0.291	1.35	3.74			
25.		0.443	0.583	0.735	1.97	6.88	0.865	0.604	K 0.503	K 1.92	1.16	K 1.52	0.264	1.53	9.22			
26.		0.388	0.469	0.649	1.88	5.21	0.803	0.604	K 0.476	K 1.92	1.04	K 0.791	0.334	0.693	10.6			
27.		0.357	0.498	0.607	1.71	2.66	0.913	0.575	K 0.443	K 1.52	1.03	K 0.404	1.46	0.448	11.3			
28.		0.540	0.498	0.615	1.62	2.01	0.910	0.537	K 0.428	K 0.877	0.952	K 0.334	2.25	0.415	11.0			
29.		1.40	0.453	0.569	1.44	1.68	1.02	0.536	K 0.398	0.542	0.551	K 0.293	0.814	0.417	8.42			
30.		1.66	0.492	0.518		1.52	0.987	0.535	K 0.410	0.359	0.365	0.286	0.410	0.401	3.76			
31.			0.480	0.448		1.35		0.553		0.197	0.649		0.401		2.04			
Hauptwerte	Tag	7.	8.	3.	29.	2.	26.	30.	29.	31.	6.	9.	6.	4.	15.			
	NQ	0.275	0.325	0.376	1.44	1.26	0.803	0.535	0.398	0.197	0.083	0.202	0.244	0.268	0.217			
	MQ	0.463	0.669	5.33	4.41	1.92	1.83	1.97	0.655	0.639	0.318	0.382	0.442	0.563	2.22			
	HQ	2.15	2.38	51.0	14.3	7.71	9.35	11.6	1.83	2.23	1.27	1.73	2.54	1.93	11.3			
	Tag	30.	15.	14.	3.	25.	9.	9.	2.	25.	25.	24.	28.	24.	27.			
	h _N	mm																
	h _A	mm	4	5	44	34	16	14	16	5	5	3	3	4	4	18		
			1968/2003		1969/2004												36 Jahre	
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	2001	2004			
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.216	0.217			
	MNQ	0.674	0.688	0.932	1.11	1.10	0.873	0.657	0.548	0.440	0.305	0.325	0.385	0.676	0.693			
	MQ	1.80	3.11	3.75	4.42	3.89	2.32	1.74	1.28	1.03	0.581	0.544	1.18	1.80	3.16			
	MHQ	6.10	15.6	20.9	25.8	18.9	11.4	8.80	4.88	3.79	1.91	1.53	6.83	6.07	15.7			
	HQ	39.0	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	6.45	90.8	39.0	95.9			
	Jahr	2002	1993	1982	1970	1988	1994	1999	1984	1996	1978	1995	1998	2002	1993			
		1968/2003		1969/2004												36 Jahre		
Mh _N	mm	14	25	31	34	32	18	14	10	8	5	4	10	14	26			
Mh _A	mm																	
Extremwerte	Abflussjahr (*)		2004				Kalenderjahr				Unterschrittene Abflüsse m ³ /s		1969/2004		36 Kalenderjahre			
			Jahr		Datum		Jahr		Datum		Abflussjahr (*)		Kalenderjahr		Mittlere Werte			
			2004		2004		2004		2004		2004		2004		2004			
			Winter		Sommer		Winter		Sommer		2004		2004		2004			
			am 06.08.2004		am 14.01.2004 bei W= 296 cm		am 06.08.2004		am 14.01.2004 bei W= 296 cm		am 21.12.1993		am 21.12.1993 bei W= 324 cm		am 21.12.1993 bei W= 324 cm			
	NQ	m ³ /s	0.083		0.275	0.083	0.083		0.275	0.083	40.8	40.8	79.5	36.1	7.49			
	MQ	m ³ /s	1.58		2.43	0.737	1.72		2.43	0.737	26.3	26.3	53.0	26.1	7.28			
	HQ	m ³ /s	51.0		51.0	11.6	51.0		51.0	11.6	16.3	16.3	42.4	22.6	5.87			
	Nq	l/(s km ²)	0.254		0.840	0.254	0.254		0.840	0.254	13.8	13.8	41.6	20.5	5.57			
	Mq	l/(s km ²)	4.82		7.43	2.25	5.25		7.43	2.25	13.1	13.1	40.9	18.7	3.81			
	Hq	l/(s km ²)	156		156	35.4	156		156	35.4	12.8	12.8	31.3	16.9	2.71			
	h _N	mm									12.6	12.6	31.1	16.0	2.70			
	h _A	mm	152		119	35	152		119	35	11.5	11.5	26.3	15.1	2.48			
			1969/2004 (*) 36 Jahre		1969/2004				1969/2004		1969/2004		1969/2004		1969/2004			
	NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	am 17.07.1976	0.040	0.258	340	4.01	6.48	15.5	6.33			
MNQ	m ³ /s	0.256		0.445	0.265	0.258		0.445	0.265	330	3.07	3.74	14.2	4.42				
MQ	m ³ /s	2.13		3.21	1.06	2.13		3.21	1.06	320	2.32	2.66	12.9	3.31				
MHQ	m ³ /s	45.0		41.1	16.8	46.7		41.1	16.8	300	1.71	1.96	10.6	2.32				
HQ	m ³ /s	95.9	am 21.12.1993	95.9	90.8	95.9	am 21.12.1993	95.9	90.8	270	1.35	1.40	6.50	1.65				
HQ ₅	m ³ /s	36.9		33.6	8.31	36.9		33.6	8.31	240	1.05	1.14	2.57	1.29				
MNq	l/(s km ²)	0.782		1.36	0.810	0.788		1.36	0.810	210	0.735	0.803	1.67	1.06				
Mq	l/(s km ²)	6.50		9.81	3.24	6.51		9.81	3.24	183	0.583	0.605	1.47	0.978				
MHq	l/(s km ²)	137		126	51.2	143		126	51.2	150	0.505	0.507	1.30	0.724				
		1969/2004 (*) 36 Jahre		1969/2004				1969/2004		1969/2004		1969/2004		1969/2004				
Mh _N	mm	205		156	51	206		156	51	130	0.454	0.443	1.23	0.648				
Mh _A	mm									120	0.430	0.414	1.20	0.611				
		Niedrigwasser		Hochwasser				Niedrigwasser		Hochwasser				Niedrigwasser				
		m ³ /s		l/(s km ²)		Datum		m ³ /s		l/(s km ²)		cm		Datum				
1		0.040	0.122	15.12.1968	95.9	293	21.12.1993	95.9	293	10	0.124	0.124	0.682	0.231				
2					90.8	277	29.10.1998	90.8	277	9	0.122	0.122	0.681	0.224				
3					90.4	276	31.01.1982	90.4	276	8	0.114	0.114	0.680	0.218				
4					83.3	254	17.03.1988	83.3	254	7	0.111	0.111						

A_{E0} : 327 km²

PNP : NN + 415.51 m

Lage: 180.1 km



Pegel : Thann

Nr. 13402807

Gewässer : Altmühl

Gebiet : Donau, Lech bis Naab

m³/s

	Tag	2002		2003																		
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez							
Tageswerte	1.	10.8	14.2	14.5	3.77	1.70	0.584	0.431	0.638	K 0.507	K 0.363	K 0.329	K 0.259	0.527	0.860							
	2.	10.9	13.3	14.4	2.52	6.58	0.965	0.463	0.662	K 1.14	K 0.409	K 0.330	K 0.295	0.385	0.485							
	3.	14.7	10.8	39.8	5.46	11.6	1.33	0.416	0.638	K 1.29	K 0.277	K 0.426	K 0.440	0.466	0.520							
	4.	26.3	7.16	29.3	13.9	13.0	0.847	0.414	0.542	K 1.22	K 0.253	K 0.318	K 0.406	0.322	0.327							
	5.	23.1	4.36	20.6	R 16.1	11.1	0.710	0.433	0.575	K 0.890	K 0.311	K 0.208	K 0.516	0.353	0.378							
	6.	16.2	3.48	15.1	13.2	5.90	0.606	0.393	0.601	K 0.625	K 0.225	K 0.205	K 0.505	0.361	0.385							
	7.	11.3	2.44	11.0	5.58	5.48	0.535	0.457	0.632	K 0.422	K 0.239	K 0.244	0.929	0.275	0.454							
	8.	7.46	1.81	R 5.08	3.05	5.25	0.488	0.315	0.652	K 0.447	K 0.209	K 0.256	1.80	0.405	R 0.325							
	9.	7.57	1.35	3.42	2.93	3.06	0.521	0.414	0.558	K 0.408	K 0.249	K 0.213	1.24	0.327	R 0.366							
	10.	9.96	R 0.988	2.96	2.65	2.05	0.491	0.473	0.567	K 0.365	K 0.234	K 0.240	0.552	0.283	R 0.377							
	11.	14.2	1.13	2.08	1.90	1.57	0.516	0.444	0.483	K 0.299	K 0.246	K 0.286	0.475	0.374	R 0.419							
	12.	34.4	0.939	1.47	1.46	1.38	0.493	0.477	0.539	K 0.329	K 0.172	K 0.422	0.358	0.298	0.398							
	13.	24.7	0.791	1.32	1.32	1.32	0.450	0.513	0.489	K 0.271	K 0.185	K 0.372	0.191	0.340	0.430							
	14.	15.9	0.745	1.55	1.32	1.12	0.398	0.497	0.631	K 0.336	K 0.157	K 0.290	0.193	0.455	1.18							
	15.	12.2	0.747	5.19	1.25	1.01	0.383	0.660	0.562	K 0.268	K 0.226	K 0.224	0.237	0.370	2.26							
	16.	13.0	0.815	10.1	1.00	0.868	0.398	0.625	0.434	K 0.189	K 0.180	K 0.276	0.336	0.327	1.53							
	17.	11.0	1.59	11.9	0.947	0.832	0.356	0.641	K 0.438	K 0.286	K 0.233	K 0.293	0.256	0.472	0.968							
	18.	5.98	2.12	10.1	0.890	0.848	0.337	0.492	0.438	K 0.357	K 0.179	K 0.177	0.347	0.475	0.747							
	19.	8.41	1.28	4.45	R 0.832	0.810	0.325	0.949	0.505	K 0.252	K 0.194	K 0.199	0.275	0.438	0.678							
	20.	15.2	0.985	3.21	R 0.775	0.764	0.319	1.48	0.491	K 0.214	K 0.216	K 0.212	0.336	0.397	0.582							
	21.	15.5	1.57	4.87	R 0.718	0.724	0.367	1.11	0.483	K 0.229	K 0.191	K 0.200	0.286	0.370	0.712							
	22.	13.7	6.13	3.97	R 0.740	0.687	0.362	0.974	0.417	K 0.234	K 0.261	K 0.207	0.401	0.354	1.17							
	23.	11.2	14.0	5.75	R 0.744	0.594	0.399	0.825	0.390	K 0.222	K 0.166	K 0.201	0.393	0.361	R 0.985							
	24.	9.55	21.4	10.2	R 0.732	0.588	0.345	0.674	0.387	K 0.228	K 0.186	K 0.265	0.275	0.383	0.763							
	25.	5.08	16.0	10.9	R 0.721	0.573	0.350	0.688	0.461	K 0.298	K 0.161	K 0.204	0.368	0.443	0.583							
	26.	3.87	12.0	6.36	0.739	0.553	0.334	0.647	0.362	K 0.733	K 0.197	K 0.171	0.301	0.388	0.469							
	27.	8.42	7.53	3.82	0.829	0.552	0.372	0.735	0.378	K 0.625	K 0.167	K 0.208	0.368	0.357	0.498							
	28.	10.6	4.56	6.70	1.09	0.588	0.385	0.732	0.351	K 0.564	K 0.171	K 0.209	0.287	0.540	0.498							
	29.	9.47	3.41	9.43	0.558	0.588	0.376	0.734	0.343	K 0.569	K 0.217	K 0.222	0.371	1.40	0.453							
	30.	12.9	11.1	9.44	0.528	0.528	0.420	0.676	0.336	K 0.476	K 0.307	K 0.215	0.501	1.66	0.492							
	31.		14.5	6.66	0.578	0.578		0.526		K 0.320	K 0.364		0.464		0.480							
Hauptwerte	Tag	26.	14.	13.	21.	30.	20.	8.	30.	16.	14.	26.	13.	7.	8.							
	NQ	3.87	0.745	1.32	0.718	0.528	0.319	0.315	0.336	0.189	0.157	0.171	0.191	0.275	0.325							
	MQ	13.1	5.91	9.21	3.11	2.67	0.492	0.622	0.499	0.471	0.230	0.253	0.450	0.463	0.669							
	HQ	39.0	22.9	45.7	17.5	13.2	1.67	1.61	0.748	1.40	0.460	0.542	1.87	2.15	2.38							
	Tag	12.	24.	3.	5.	4.	2.	20.	2.	3.	2.	12.	8.	30.	15.							
	h _N	mm																				
	h _A	mm	104	48	75	23	22	4	5	4	4	2	2	4	4	5						
			1968/2002		1969/2003												35 Jahre					
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	2001	1991							
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.216	0.324							
	MNQ	0.685	0.699	0.948	1.10	1.10	0.875	0.661	0.552	0.447	0.311	0.329	0.389	0.688	0.707							
	MQ	1.83	3.18	3.71	4.43	3.95	2.33	1.73	1.30	1.04	0.588	0.548	1.20	1.83	3.18							
	MHQ	6.22	16.0	20.1	26.1	19.2	11.5	8.72	4.97	3.83	1.93	1.52	6.95	6.19	15.9							
	HQ	39.0	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	6.45	90.8	39.0	95.9							
	Jahr	2002	1993	1982	1970	1988	1994	1999	1984	1996	1978	1995	1998	2002	1993							
		1968/2002		1969/2003												35 Jahre						
Mh _N	mm	14	26	30	33	32	18	14	10	8	5	4	10	14	26							
Mh _A	mm																					
		Abflussjahr (*)				Kalenderjahr				Unterschnittene Abflüsse m ³ /s												
		2003				2003				1969/2003 35 Kalenderjahre												
		Jahr		Datum		Winter		Sommer		Jahr		Datum		Untere Hüllwerte								
NQ	m ³ /s	0.157	am 14.08.2003	0.319	0.157	0.157	am 14.08.2003	0.157	am 14.08.2003	Dauertabelle												
MQ	m ³ /s	3.08		5.79	0.422	1.60		1.60														
HQ	m ³ /s	45.7	am 03.01.2003 bei W= 293 cm	45.7	1.87	45.7	am 03.01.2003 bei W= 293 cm	45.7	am 03.01.2003 bei W= 293 cm													
Nq	l/(s km ²)	0.480		0.974	0.480	0.480		0.480														
Mq	l/(s km ²)	9.41		17.7	1.29	4.88		4.88														
Hq	l/(s km ²)	140		140	5.72	140		140														
h _N	mm																					
h _A	mm	297		281	20	297		297														
		1969/2003 (*) 35 Jahre				1969/2003																
NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	am 17.07.1976	0.040	am 17.07.1976													
MNQ	m ³ /s	0.261		0.450	0.271	0.263		0.263														
MQ	m ³ /s	2.14		3.23	1.07	2.14		2.14														
MHQ	m ³ /s	44.8		40.9	16.9	46.6		46.6														
HQ	m ³ /s	95.9	am 21.12.1993 bei W= 324 cm	95.9	90.8	95.9	am 21.12.1993 bei W= 324 cm	95.9	am 21.12.1993 bei W= 324 cm													
HQ ₁	m ³ /s	36.9		33.6	8.31	36.9		36.9														
HQ ₅	m ³ /s																					
MNq	l/(s km ²)	0.797		1.37	0.828	0.803		0.803														
Mq	l/(s km ²)	6.55		9.88	3.26	6.55		6.55														
MHq	l/(s km ²)	137		125	51.6	142		142														
		1969/2003 (*) 35 Jahre				1969/2003																
Mh _N	mm									Dauertabelle												
Mh _A	mm	206		157	51	206		206														
		Niedrigwasser				Hochwasser																
		m ³ /s		l/(s km ²)		Datum		cm								Datum						
1		0.040	0.122	15.12.1968	95.9	293	21.12.1993															
2					90.8	277	29.10.1998															
3					90.4	276	31.01.1982															
4					83.3	254	17.03.1988															
5					82.8	253	22.02.1970															
6					81.6	249	07.02.1984															
7					74.6	228	26.02.1997															
8					72.9	223	08.02.1981															
9					69.0	211	16.10.1981															
10					65.3	199	23.05.1999															

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.

A_{E0} : 328 km²

PNP :NN + 415.51 m

Lage: 180.1 km



m³/s

Pegel : Thann

Nr. 13402807

Gewässer : Altmühl

Gebiet : Donau, Lech bis Naab

	Tag	2001		2002												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	0.339	14.1	8.04	2.16	12.4	1.32	0.995	1.25	0.642	K 0.627	K 0.504	K 0.482	10.8	14.2	
	2.	0.386	15.8	4.00	1.60	7.55	1.23	0.894	1.12	0.603	K 1.31	K 0.588	K 0.406	10.9	13.3	
	3.	0.377	14.9	D 2.52	1.30	3.48	1.18	0.898	1.04	0.743	K 1.66	K 0.461	K 0.448	14.7	10.8	
	4.	0.313	12.7	D 1.78	1.06	2.33	1.10	1.05	0.990	0.643	K 1.18	K 0.483	K 0.444	26.3	7.16	
	5.	0.302	10.3	D 1.36	0.990	1.91	1.04	1.86	2.10	0.695	K 0.956	K 0.499	K 0.459	23.1	4.36	
	6.	0.216	9.57	D 1.09	1.06	1.67	0.941	1.61	16.3	0.715	K 0.662	K 0.453	K 1.28	16.2	3.48	
	7.	0.386	10.2	D 1.02	1.29	1.40	0.827	1.24	12.6	0.621	K 0.676	K 0.399	K 4.80	11.3	2.44	
	8.	4.16	8.38	D 1.00	1.05	1.18	0.832	1.10	5.56	0.694	K 0.690	K 0.427	K 3.60	7.46	1.81	
	9.	10.3	3.28	D 0.935	1.25	1.08	0.756	1.00	1.72	0.713	K 0.695	K 0.425	1.13	7.57	1.35	
	10.	11.1	1.35	D 0.886	7.15	1.05	0.765	0.891	1.31	0.716	K 0.822	K 0.543	0.670	9.96	R 0.988	
	11.	5.28	0.923	D 0.860	11.8	0.949	0.759	1.03	1.46	0.823	K 0.805	K 0.689	0.626	14.2	1.13	
	12.	0.914	0.892	D 0.829	10.2	0.874	0.755	5.04	1.15	0.883	K 1.30	K 0.530	0.556	34.4	0.939	
	13.	0.800	0.968	D 0.863	9.08	0.860	0.716	12.0	0.931	0.695	K 1.25	K 0.531	0.518	24.7	0.791	
	14.	1.65	0.814	D 0.850	31.3	0.785	0.875	11.3	0.806	0.841	K 0.961	K 0.501	0.469	15.9	0.745	
	15.	1.06	0.651	D 0.834	21.4	0.788	0.968	4.85	0.765	0.876	K 0.796	K 0.393	0.531	12.2	0.747	
	16.	0.653	0.550	D 0.784	13.3	0.764	0.842	1.79	0.786	K 1.26	K 0.562	K 0.379	0.492	13.0	0.815	
	17.	0.694	0.508	D 0.794	7.06	0.682	0.858	1.26	0.825	K 4.70	K 0.598	K 0.347	1.74	11.0	1.59	
	18.	1.00	D 0.454	0.764	2.53	0.661	0.961	1.21	0.723	K 6.50	K 0.582	K 0.321	5.64	5.98	2.12	
	19.	1.22	D 0.470	0.774	1.94	1.90	0.921	7.95	0.714	K 9.14	K 0.533	K 0.388	8.83	8.41	1.28	
	20.	1.25	D 0.454	3.11	7.53	10.6	1.01	12.4	0.669	K 6.46	K 0.520	K 0.433	8.71	15.2	0.985	
	21.	1.24	D 0.436	22.6	20.7	36.0	0.886	11.1	0.891	K 2.57	K 0.633	K 0.496	4.20	15.5	1.57	
	22.	1.21	D 0.407	37.6	20.3	49.6	0.772	4.43	1.39	K 1.05	K 0.649	K 0.564	3.86	13.7	6.13	
	23.	4.94	D 0.393	22.0	15.5	37.3	0.639	1.77	0.838	K 0.842	K 0.613	K 0.503	K 5.49	11.2	14.0	
	24.	5.63	D 0.499	15.6	15.0	19.6	0.737	7.61	1.62	K 0.687	K 0.589	K 0.520	3.21	9.55	21.4	
	25.	4.28	D 0.556	15.0	18.2	13.2	1.14	10.3	K 1.18	K 0.808	K 0.517	K 0.658	1.91	5.08	16.0	
	26.	8.77	D 0.684	14.5	31.1	6.60	1.22	7.09	K 0.870	K 0.869	K 0.527	K 0.877	7.20	3.87	12.0	
	27.	12.5	D 0.675	13.2	19.2	3.24	1.58	4.10	K 0.730	K 0.805	K 0.541	K 1.13	12.1	8.42	7.53	
	28.	14.3	D 0.986	13.0	14.6	2.45	1.61	8.43	K 0.693	K 0.698	K 0.506	K 1.21	12.8	10.6	4.56	
	29.	14.5	10.5	12.9	1.94	1.94	1.33	5.53	K 0.625	K 0.643	K 0.587	K 0.802	10.6	9.47	3.41	
	30.	13.9	12.7	8.95	1.71	1.20	2.48	1.64	K 0.641	K 0.639	K 0.534	K 0.547	5.20	12.9	11.1	
	31.		11.8	3.62	1.44					K 0.590	K 0.502		8.04		14.5	
Hauptwerte	Tag	6.	23.	18.	5.	18.	23.	10.	29.	31.	31.	18.	2.	26.	14.	
	NQ	0.216	0.393	0.764	0.990	0.661	0.639	0.891	0.625	0.590	0.502	0.321	0.406	3.87	0.745	
	MQ	4.12	4.74	6.85	10.3	7.29	0.992	4.35	2.08	1.58	0.754	0.553	3.76	13.1	5.91	
	HQ	15.2	16.2	43.5	39.8	52.5	1.87	12.5	18.5	9.42	1.76	1.40	13.1	39.0	22.9	
	Tag	28.	2.	21.	14.	22.	27.	20.	6.	19.	2.	28.	28.	12.	24.	
	h _N	mm														
	h _A	mm	32	39	56	76	60	8	36	16	13	6	4	31	104	48
			1968/2001		1969/2002 34 Jahre											
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	2001	1991	
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.216	0.324	
	MNQ	0.591	0.697	0.937	1.11	1.12	0.892	0.671	0.559	0.454	0.316	0.334	0.395	0.700	0.718	
	MQ	1.50	3.10	3.55	4.46	3.98	2.39	1.77	1.32	1.06	0.599	0.557	1.22	1.87	3.26	
	MHQ	5.25	15.8	19.3	26.3	19.4	11.8	8.93	5.09	3.90	1.97	1.55	7.10	6.31	16.3	
	HQ	26.8	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	6.45	90.8	39.0	95.9	
	Jahr	1998	1993	1982	1970	1988	1994	1999	1984	1996	1978	1995	1998	2002	1993	
		1968/2001		1969/2002 34 Jahre												
Mh _N	mm	12	25	29	33	32	19	14	10	9	5	4	10	15	26	
Mh _A	mm															
		Abflussjahr (*)				Kalenderjahr				Unterschnittene Abflüsse m ³ /s						
		2002		2002		2002		2002		1969/2002		34 Kalenderjahre				
		Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschreitungs dauer in Tagen	Abfluss- jahr (*) 2002	Kalender- jahr 2002	1969/2002 Obere Hüllwerte	34 Mittlere Werte	Untere Hüllwerte			
NQ	m ³ /s	0.216	am 06.11.2001	0.216	0.321	0.321	am 18.09.2002	(365)	49.6	49.6	79.5	36.1	7.49			
MQ	m ³ /s	9.92		5.68	2.19	4.76		364	37.6	37.6	53.0	26.3	7.28			
HQ	m ³ /s	52.5	am 22.03.2002 bei W= 297 cm	52.5	18.5	52.5	am 22.03.2002 bei W= 297 cm	363	37.3	37.3	42.4	22.9	5.87			
Nq	l/(s km ²)	0.658		0.658	0.979	0.979		361	36.0	36.0	41.6	20.7	5.57			
Mq	l/(s km ²)	12.0		17.3	6.67	14.5		360	31.3	34.4	40.9	18.8	3.81			
Hq	l/(s km ²)	160		160	56.4	160		359	31.1	31.3	31.3	17.2	2.71			
h _N	mm							358	22.6	31.1	31.1	16.3	2.70			
h _A	mm	377		275	104	377		357	22.0	26.3	26.3	15.4	2.48			
		1969/2002 (*) 34 Jahre				1969/2002				Dauertabelle						
NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	am 17.07.1976	340	14.3	15.5	15.5	6.33	1.38			
MNQ	m ³ /s	0.264		0.454	0.274	0.266		330	12.7	14.2	14.2	4.46	1.21			
MQ	m ³ /s	2.12		3.16	1.09	2.16		320	11.1	12.9	12.9	3.36	1.13			
MHQ	m ³ /s	44.8		40.7	17.3	46.6		300	8.04	10.6	10.6	2.35	0.900			
HQ	m ³ /s	95.9	am 21.12.1993 bei W= 324 cm	95.9	90.8	95.9	am 21.12.1993 bei W= 324 cm	270	3.86	6.50	6.50	1.68	0.710			
HQ ₅	m ³ /s	36.7		33.4	8.50	36.9		240	1.65	2.57	2.57	1.31	0.590			
MNq	l/(s km ²)	0.805		1.38	0.835	0.811		210	1.22	1.59	1.67	1.08	0.450			
Mq	l/(s km ²)	6.45		9.63	3.32	6.58		183	1.04	1.22	1.47	0.999	0.390			
MHq	l/(s km ²)	136		124	52.9	142		150	0.875	0.985	1.30	0.741	0.350			
		1969/2002 (*) 34 Jahre				1969/2002										
Mh _N	mm							130	0.814	0.875	1.23	0.670	0.330			
Mh _A	mm							120	0.786	0.850	1.20	0.631	0.320			
		Niedrigwasser				Hochwasser										
		m ³ /s	l/(s km ²)	Datum	m ³ /s	l/(s km ²)	cm	Datum								
1		0.040	0.122	15.12.1968	95.9	292		21.12.1993								
2					90.8	277		29.10.1998								
3					90.4	275		31.01.1982								
4					83.3	254		17.03.1988								
5					82.8	252		22.02.1970								
6					81.6	249		07.02.1984								
7					74.6	227		26.02.1997								
8					72.9	222		08.02.1981								
9					69.0	210		16.10.1991								
10					65.3	199		23.05.1999								

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.

A_{E0} : 328 km²

PNP :NN + 415.51 m

Lage: 180.1 km



m³/s

Pegel : Thann

Nr. 13402807

Gewässer : Altmühl

Gebiet : Donau, Lech bis Naab

	Tag	2000		2001														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
Tageswerte	1.	K 0.535	0.748	0.520	1.05	0.686	3.03	1.98	0.519	K 0.646	K 0.284	0.267	K 0.589	0.339	14.1			
	2.	K 0.517	0.670	0.779	0.886	0.662	1.95	1.15	0.550	K 0.653	K 0.300	0.507	K 0.567	0.386	15.8			
	3.	K 0.510	0.681	1.59	0.846	0.713	1.49	0.915	0.737	K 0.636	K 0.318	0.420	K 0.547	0.377	14.9			
	4.	K 0.560	0.637	1.21	5.34	2.66	1.28	0.854	0.851	K 0.616	K 0.411	0.348	K 0.931	0.313	12.7			
	5.	K 0.654	0.592	2.42	15.7	6.04	1.34	0.744	0.720	K 0.625	K 0.367	0.419	K 1.93	0.302	10.3			
	6.	K 0.523	0.582	10.6	26.0	3.28	1.14	0.776	0.678	K 0.590	K 0.350	0.410	K 1.17	0.216	9.57			
	7.	K 0.545	0.556	13.3	17.1	1.34	1.26	0.775	0.581	K 0.566	K 0.405	0.402	K 0.712	0.386	10.2			
	8.	K 0.839	0.580	11.2	11.9	1.22	1.18	0.732	0.617	K 0.735	K 0.371	0.473	K 0.736	4.16	8.38			
	9.	K 0.604	0.540	4.46	4.31	2.01	0.939	0.702	0.690	K 0.724	K 0.430	0.559	K 0.758	10.3	3.28			
	10.	K 0.687	0.565	2.09	1.70	2.47	0.891	0.629	0.682	K 0.678	K 0.395	0.470	K 0.674	11.1	1.35			
	11.	K 0.541	1.32	2.68	1.24	2.10	0.904	0.605	1.00	K 0.645	K 0.379	0.413	K 0.594	5.28	0.923			
	12.	K 0.554	2.07	4.22	1.10	5.62	0.910	0.547	1.38	K 0.636	K 0.339	0.475	K 0.538	0.914	0.892			
	13.	K 0.517	1.12	2.47	1.08	11.3	0.785	0.537	1.02	K 0.605	K 0.297	0.782	K 0.485	0.800	0.968			
	14.	K 0.577	0.822	1.22	1.36	11.6	0.706	0.520	0.812	K 0.614	K 0.330	0.809	K 0.394	1.65	0.814			
	15.	K 1.38	0.787	0.814	1.09	10.2	0.759	0.871	0.795	K 0.642	K 0.295	0.707	K 0.379	1.06	0.651			
	16.	K 1.40	0.880	0.738	0.908	16.8	2.32	0.669	0.793	K 2.14	K 0.338	0.503	K 0.454	0.653	0.550			
	17.	K 1.38	0.952	0.663	0.961	17.7	3.39	0.789	0.823	K 4.37	K 0.327	0.923	K 0.360	0.694	0.508			
	18.	K 1.83	1.04	0.587	1.19	14.4	2.14	0.953	0.882	K 2.63	K 0.267	1.74	K 0.328	1.00	D 0.454			
	19.	K 1.36	1.79	0.512	1.03	12.9	1.67	0.988	0.895	K 0.994	K 0.269	1.48	K 0.390	1.22	D 0.470			
	20.	K 0.957	2.89	0.415	0.904	9.93	1.35	0.819	0.803	K 0.854	K 0.248	1.13	K 0.447	1.25	D 0.454			
	21.	K 0.825	1.70	0.504	0.860	7.70	1.35	0.690	0.784	K 0.948	K 0.390	3.93	K 0.485	1.24	D 0.436			
	22.	K 0.636	0.983	0.549	1.07	41.9	8.21	0.671	0.742	K 0.558	0.354	4.82	K 0.619	1.21	D 0.407			
	23.	K 0.705	0.760	1.40	1.79	44.1	12.6	0.815	0.742	K 0.474	0.318	2.03	K 0.547	4.94	D 0.393			
	24.	K 0.674	0.765	3.00	1.84	31.7	13.4	0.597	0.635	K 0.442	0.317	0.952	K 0.561	5.63	D 0.499			
	25.	K 0.704	0.677	7.53	1.36	21.6	8.43	0.556	0.640	K 0.432	0.328	0.689	K 0.545	4.28	D 0.556			
	26.	K 0.650	0.685	8.18	1.09	17.2	2.44	0.523	0.593	K 0.369	0.308	0.699	K 0.599	8.77	D 0.684			
	27.	K 0.730	0.713	4.70	0.882	14.3	2.83	0.532	0.561	K 0.398	0.253	0.647	K 0.556	12.5	D 0.675			
	28.	0.829	0.643	3.45	0.775	12.2	1.91	0.537	0.697	K 0.380	0.323	0.558	K 0.462	14.3	D 0.986			
	29.	0.904	0.739	2.83		7.86	2.89	0.487	0.832	K 0.330	0.205	0.527	K 0.311	14.5	10.5			
	30.	0.801	0.588	1.68		7.40	4.36	0.481	0.659	K 0.305	K 0.212	0.559	K 0.403	13.9	12.7			
	31.		0.590	1.26		6.25		0.509		K 0.362	0.267		K 0.348		11.8			
Hauptwerte	Tag	3.	9.	20.	28.	2.	14.	30.	1.	30.	29.	1.	29.	6.	23.			
	NQ	0.510	0.540	0.415	0.775	0.662	0.706	0.481	0.519	0.305	0.205	0.267	0.311	0.216	0.393			
	MQ	0.791	0.924	3.15	3.76	11.2	2.93	0.734	0.757	0.825	0.322	0.955	0.594	4.12	4.74			
	HQ	2.24	3.09	13.7	28.2	55.9	13.6	2.95	1.47	4.62	0.450	5.70	2.06	15.2	16.2			
	Tag	17.	20.	7.	6.	22.	24.	1.	12.	17.	9.	21.	5.	28.	2.			
	h _N	mm																
	h _A	mm	6	8	26	28	91	23	6	6	7	3	8	5	32	39		
			1968/2000		1969/2001												33 Jahre	
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	2001	1991			
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.216	0.324			
	MNQ	0.603	0.707	0.942	1.12	1.13	0.900	0.664	0.557	0.450	0.310	0.334	0.394	0.604	0.717			
	MQ	1.42	3.05	3.45	4.29	3.88	2.43	1.69	1.30	1.04	0.594	0.557	1.14	1.53	3.18			
	MHQ	4.95	15.8	18.6	25.9	18.4	12.1	8.83	4.69	3.74	1.98	1.56	6.92	5.32	16.1			
	HQ	26.8	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	6.45	90.8	26.8	95.9			
	Jahr	1998	1993	1982	1970	1988	1994	1999	1984	1996	1978	1995	1998	1998	1993			
		1968/2000		1969/2001												33 Jahre		
Mh _N	mm	11	25	28	32	32	19	14	10	8	5	4	9	12	26			
Mh _A	mm																	
		Abflussjahr (*)				Kalenderjahr				Unterschnittene Abflüsse m ³ /s								
		2001		2001		2001		2001		1969/2001		33 Kalenderjahre						
		Jahr	Datum	Winter	Sommer	Jahr	Datum			Unterschreitungsdauer in Tagen	Abflussjahr (*)	Kalenderjahr	1969/2001	Oberer Hüllwert	Mittlere Werte	Untere Hüllwerte		
NQ	m ³ /s	0.205	am 29.08.2001	0.415	0.205	0.205	am 29.08.2001			(365)	44.1	44.1	79.5	35.2	7.49			
MQ	m ³ /s	2.24		3.81	0.696	2.84				364	41.9	41.9	53.0	25.7	7.28			
HQ	m ³ /s	55.9	am 22.03.2001 bei W= 300 cm	55.9	5.70	55.9	am 22.03.2001 bei W= 300 cm			363	31.7	31.7	42.4	22.1	5.87			
Nq	l/(s km ²)	0.625		1.26	0.625	0.625				362	26.0	26.0	41.6	20.0	5.57			
Mq	l/(s km ²)	6.83		11.6	2.12	8.65				361	21.6	21.6	40.9	18.4	3.81			
Hq	l/(s km ²)	170		170	17.4	170				360	17.7	17.7	30.4	16.9	2.71			
h _N	mm									358	17.2	17.2	27.8	15.8	2.70			
h _A	mm	216		184	33	215				357	17.1	17.1	25.0	14.8	2.48			
		1969/2001 (*)				1969/2001				Dauertabelle								
NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	am 17.07.1976			340	8.43	12.5	13.1	5.81	1.38			
MNQ	m ³ /s	0.266		0.461	0.273	0.264				330	5.34	10.3	10.3	4.17	1.21			
MQ	m ³ /s	2.06		3.08	1.06	2.08				320	3.39	8.18	8.18	3.21	1.13			
MHQ	m ³ /s	44.5		40.4	17.3	46.5				300	2.07	4.16	4.16	2.28	0.900			
HQ	m ³ /s	95.9	am 21.12.1993 bei W= 324 cm	95.9	90.8	95.9	am 21.12.1993 bei W= 324 cm			270	1.34	1.79	2.55	1.66	0.710			
HQ ₁	m ³ /s	33.6		29.3	6.91	33.6				240	0.957	1.18	2.04	1.30	0.590			
HQ ₅	m ³ /s									210	0.822	0.910	1.67	1.07	0.450			
MNq	l/(s km ²)	0.811		1.40	0.832	0.805				183	0.738	0.789	1.47	0.991	0.390			
Mq	l/(s km ²)	6.28		9.40	3.22	6.34				150	0.669	0.682	1.30	0.736	0.350			
MHq	l/(s km ²)	136		123	52.8	142				130	0.625	0.635	1.23	0.661	0.330			
		1969/2001 (*)				1969/2001												
Mh _N	mm	199		150	50	200				120	0.597	0.599	1.20	0.621	0.320			
Mh _A	mm									110	0.581	0.566	1.17	0.591	0.300			
		Niedrigwasser				Hochwasser												
		m ³ /s	l/(s km ²)	Datum	m ³ /s	l/(s km ²)	cm	Datum										
1		0.040	0.122	15.12.1968	95.9	292		21.12.1993										
2					90.8	277		29.10.1998										
3					90.4	275		31.01.1982										
4					83.3	254		17.03.1988										
5					82.8	252		22.02.1970										
6					81.6	249		07.02.1984										
7					74.6	227		26.02.1997										
8					72.9	222		08.02.1981										
9					69.0	210		16.10.1981										
10					65.3	199		23.05.1999										

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.

A_{E0} : 328 km²

PNP :NN + 415.51 m

Lage: 180.1 km



m³/s

Pegel : Thann

Nr. 13402807

Gewässer : Altmühl

Gebiet : Donau, Lech bis Naab

	Tag	1999		2000												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	0.382	0.613	2.79	14.8	7.07	27.1	0.819	1.58	0.427	K 0.995	K 0.354	K 0.461	K 0.535	0.748	
	2.	0.441	0.863	5.01	9.07	8.33	18.8	1.58	1.35	0.502	K 0.694	K 0.467	K 0.373	K 0.517	0.670	
	3.	0.403	1.04	6.96	3.62	5.73	10.8	1.24	0.905	0.604	K 0.613	K 0.591	K 0.545	K 0.510	0.681	
	4.	0.465	0.756	4.57	2.88	6.18	4.05	1.08	1.06	0.728	K 0.603	K 0.528	K 0.406	K 0.560	0.637	
	5.	0.422	1.29	3.50	2.58	6.93	2.86	1.40	1.04	0.826	K 0.998	K 0.717	K 0.407	K 0.654	0.592	
	6.	0.491	1.18	3.37	2.50	4.15	2.32	1.85	1.29	0.713	K 1.12	K 0.525	K 0.484	K 0.523	0.582	
	7.	0.395	0.897	2.62	2.18	3.10	1.88	1.14	1.32	0.491	K 0.904	K 0.643	K 0.430	K 0.545	0.556	
	8.	0.374	0.898	2.18	2.18	2.81	1.70	1.04	1.38	0.772	K 0.864	K 0.818	K 0.670	K 0.639	0.580	
	9.	0.492	1.04	1.95	6.31	3.00	1.46	0.977	1.24	0.752	K 1.48	K 0.610	K 0.524	K 0.604	0.540	
	10.	1.75	0.941	1.98	7.56	3.03	1.37	1.20	1.22	1.12	K 1.22	K 0.613	K 0.626	K 0.687	0.565	
	11.	4.29	0.765	2.19	4.49	3.27	1.37	1.02	1.02	1.40	K 0.790	K 0.526	K 0.582	K 0.541	1.32	
	12.	3.18	0.768	1.98	3.74	2.99	1.64	0.870	4.48	0.978	K 0.648	K 0.378	K 1.10	K 0.554	2.07	
	13.	1.19	1.13	1.63	2.99	2.53	1.94	1.01	2.33	0.936	K 0.569	K 0.300	K 1.26	K 0.517	1.12	
	14.	0.653	3.16	1.40	4.17	2.40	1.76	0.963	1.17	0.897	K 0.529	K 0.350	K 0.919	K 0.577	0.822	
	15.	0.630	6.05	1.21	4.48	4.31	1.57	0.996	1.19	0.796	K 0.410	K 0.379	K 0.492	K 1.38	0.788	
	16.	0.546	3.56	1.08	6.10	4.29	1.29	0.975	0.937	1.41	K 0.248	K 0.352	K 0.618	K 1.40	0.881	
	17.	0.555	1.42	1.06	7.37	4.47	1.19	0.813	0.912	1.50	K 0.347	K 0.492	K 0.372	K 1.38	0.953	
	18.	0.478	1.97	1.35	5.49	5.51	1.09	1.06	0.837	1.19	K 0.288	K 0.548	K 0.520	K 1.83	1.04	
	19.	0.486	6.32	2.00	7.63	10.7	1.06	1.06	0.744	0.983	K 0.451	K 0.482	K 0.449	K 1.36	1.79	
	20.	0.475	5.26	1.56	10.8	10.7	1.03	1.17	0.712	0.796	K 0.444	K 0.422	K 0.505	K 0.957	2.89	
	21.	0.450	3.02	1.27	9.44	5.76	0.948	1.22	0.491	0.418	K 0.332	K 0.540	K 0.548	K 0.825	1.70	
	22.	0.440	2.12	R 1.23	5.53	3.39	0.913	1.25	0.777	0.537	K 0.806	K 1.21	K 0.531	K 0.636	0.982	
	23.	0.436	1.99	R 1.18	4.85	2.71	0.987	1.39	0.476	0.304	K 1.03	K 1.07	K 0.387	K 0.705	0.759	
	24.	0.420	1.66	D 1.14	4.40	2.41	0.854	1.16	0.519	0.321	K 0.753	K 0.685	K 0.373	K 0.674	0.765	
	25.	0.558	4.02	D 1.10	4.60	2.48	0.899	1.11	0.689	0.464	K 0.628	K 0.498	K 0.423	K 0.704	0.677	
	26.	0.806	22.3	D 1.06	6.18	2.09	0.849	1.31	0.762	0.553	K 0.507	K 0.384	K 0.467	K 0.650	0.685	
	27.	1.15	40.9	D 1.02	4.69	1.89	0.869	0.888	0.821	0.743	K 0.333	K 0.436	K 0.555	K 0.730	0.713	
	28.	0.981	21.4	D 1.02	3.53	2.14	0.753	1.00	0.893	0.825	K 0.330	K 0.422	K 0.696	0.829	0.643	
	29.	0.881	14.0	D 1.50	3.36	1.86	0.855	1.26	0.652	1.17	K 0.364	K 0.540	K 0.533	0.904	0.739	
	30.	0.786	8.57	D 9.14	14.4	6.32	0.874	1.11	0.495	1.31	K 0.362	K 0.419	K 0.421	0.801	0.588	
	31.		3.74			18.5		1.48		1.20	K 0.346		K 0.472		0.590	
Hauptwerte	Tag	8.	1.	28.	8.	29.	28.	17.	23.	23.	16.	13.	17.	3.	9.	
	NQ	0.374	0.613	1.02	2.18	1.86	0.753	0.813	0.476	0.304	0.248	0.300	0.372	0.510	0.540	
	MQ	0.833	5.28	2.72	5.43	4.87	3.16	1.14	1.11	0.828	0.645	0.543	0.553	0.791	0.925	
	HQ	4.67	47.3	15.7	15.8	23.6	29.3	2.72	5.58	1.63	1.60	1.34	1.31	2.24	3.09	
	Tag	11.	27.	31.	1.	31.	1.	5.	12.	17.	10.	22.	13.	17.	20.	
	h _N	mm														
	h _A	mm	6	43	22	42	40	25	9	9	7	5	4	4	6	8
			1968/1999		1969/2000 32 Jahre											
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	1971	1991	
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.220	0.324	
	MNQ	0.606	0.712	0.959	1.13	1.14	0.906	0.670	0.558	0.455	0.313	0.336	0.397	0.616	0.727	
	MQ	1.44	3.12	3.46	4.30	3.66	2.41	1.72	1.32	1.04	0.603	0.545	1.16	1.45	3.13	
	MHQ	5.04	16.2	18.7	25.9	17.2	12.0	9.01	4.79	3.71	2.03	1.43	7.08	5.01	16.1	
	HQ	26.8	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	6.45	90.8	26.8	95.9	
	Jahr	1998	1993	1982	1970	1988	1994	1999	1984	1996	1978	1995	1998	1998	1993	
		1968/1999		1969/2000 32 Jahre												
Mh _N	mm	11	25	28	33	30	19	14	10	8	5	4	9	11	26	
Mh _A	mm															
		Abflussjahr (*) 2000				Kalenderjahr 2000				Unterschnittene Abflüsse m ³ /s						
		Jahr		Datum		Winter		Sommer		Jahr		Datum		Unterschnittene Abflüsse m ³ /s		
														1969/2000 32 Kalenderjahre		
														Obere Hüllwerte		
														Mittlere Werte		
														Untere Hüllwerte		
NQ	m ³ /s	0.248	am 16.08.2000	0.374	0.248	0.248	1.88	am 16.08.2000	(365)							
MQ	m ³ /s	2.25		3.72	0.804	0.804	1.58		364	27.1	18.8	79.5	35.1	7.49		
HQ	m ³ /s	47.3	am 27.12.1999 bei W= 294 cm	47.3	5.58	5.58	29.3	am 01.04.2000 bei W= 278 cm	363	22.3	18.5	53.0	25.4	7.28		
Nq	l/(s km ²)	0.756		1.14	0.756	0.756	0.756		362	21.4	14.8	42.4	22.1	5.87		
Mq	l/(s km ²)	6.87		11.3	2.45	2.45	5.73		361	18.8	14.4	41.6	20.0	5.57		
Hq	l/(s km ²)	144		144	17.0	17.0	89.4		360	18.5	10.8	40.9	18.4	3.81		
h _N	mm								359	14.8	10.8	30.4	16.8	2.71		
h _A	mm	217		181	38	38	217		358	14.4	10.7	27.8	15.8	2.70		
		1969/2000 (*) 32 Jahre				1969/2000				Dauertabelle						
NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	0.266	am 17.07.1976	340	6.32	5.73	13.1	5.66	1.38		
MNQ	m ³ /s	0.268		0.463	0.275	0.275	2.06		330	5.49	4.49	9.34	4.01	1.21		
MQ	m ³ /s	2.06		3.06	1.06	1.06	2.06		320	4.47	3.62	6.84	3.15	1.13		
MHQ	m ³ /s	44.2		39.9	17.7	17.7	46.2		300	3.16	2.53	4.10	2.27	0.900		
HQ	m ³ /s	95.9	am 21.12.1993 bei W= 324 cm	95.9	90.8	90.8	95.9	am 21.12.1993 bei W= 324 cm	270	1.98	1.58	2.55	1.66	0.710		
HQ ₁	m ³ /s	33.6		29.3	7.12	7.12	33.6		240	1.38	1.26	2.04	1.31	0.590		
HQ ₅	m ³ /s								210	1.18	1.09	1.67	1.08	0.450		
MNq	l/(s km ²)	0.817		1.41	0.838	0.838	0.811		183	1.04	0.977	1.47	0.993	0.390		
Mq	l/(s km ²)	6.26		9.33	3.25	3.25	6.27		150	0.888	0.821	1.30	0.741	0.350		
MHq	l/(s km ²)	135		122	53.9	53.9	141		130	0.806	0.743	1.23	0.661	0.330		
		1969/2000 (*) 32 Jahre				1969/2000				Dauertabelle						
Mh _N	mm	198		148	51	51	198		120	0.756	0.696	1.20	0.623	0.320		
Mh _A	mm								110	0.694	0.674	1.17	0.591	0.300		
		Niedrigwasser				Hochwasser				Dauertabelle						
		m ³ /s		l/(s km ²)		Datum		m ³ /s		l/(s km ²)		cm		Datum		
1		0.040	0.122	15.12.1968	95.9	292	21.12.1993	90.8	277	29.10.1998	90.4	275	31.01.1982	83.3	254	
2					90.8	277	29.10.1998	90.4	275	31.01.1982	83.3	254	17.03.1988	82.8	252	
3					90.4	275	31.01.1982	83.3	254	17.03.1988	82.8	252	22.02.1970	81.6	249	
4					83.3	254	17.03.1988	82.8	252	22.02.1970	81.6	249	07.02.1984	74.6	227	
5					82.8	252	22.02.1970	81.6	249	07.02.1984	74.6	227	26.02.1997	72.9	222	
6					81.6	249	07.02.1984	74.6	227	26.02.1997	72.9	222	08.02.1981	69.0	210	
7					74.6	227	26.02.1997	72.9	222	08.02.1981	69.0	210	16.10.1981	65.3	199	
8					72.9	222	08.02.1981	69.0	210	16.10.1981	65.3	199	23.05.1999			
9					69.0	210	16.10.1981	65.3	199	23.05.1999						
10					65.3	199	23.05.1999									

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.

A_{E0} : 328 km²

PNP : NN + 415.51 m

Lage: 180.1 km



Pegel : Thann

Gewässer: Altmühl

Gebiet : Donau, Lech bis Naab

Nr. 13402807

m³/s

	Tag	1998		1999												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	24.7	2.00	1.62	R 2.87	12.1	0.888	0.751	1.02	1.26	0.797	0.903	0.500	0.382	0.613	
	2.	19.1	1.69	1.45	R 2.33	12.2	0.794	0.960	1.03	1.28	0.596	0.739	0.456	0.441	0.863	
	3.	15.4	1.43	1.43	R 2.30	13.2	0.665	0.797	1.13	1.19	0.653	0.621	0.455	0.403	1.04	
	4.	12.6	1.29	2.85	R 6.70	12.2	0.686	0.630	2.53	1.12	0.589	0.663	0.509	0.465	0.756	
	5.	10.8	1.23	3.15	R 13.6	6.89	0.888	0.697	1.90	0.940	0.736	0.590	0.469	0.422	1.29	
	6.	7.65	1.03	2.48	R 16.6	4.74	0.830	0.852	1.44	0.876	0.630	0.569	0.516	0.491	1.18	
	7.	4.01	R 1.10	2.18	R 15.1	3.83	1.29	1.11	1.36	1.39	0.831	0.453	0.466	0.395	0.887	
	8.	2.70	R 1.57	5.84	R 10.8	3.04	1.82	1.09	1.34	1.48	1.01	0.547	0.495	0.374	0.898	
	9.	6.10	R 1.35	10.0	R 5.00	5.33	1.37	1.29	1.50	1.82	1.12	0.557	0.457	0.492	1.04	
	10.	11.9	R 1.29	8.45	R 3.67	11.8	1.06	1.10	1.46	1.73	1.39	0.507	0.570	1.75	0.941	
	11.	14.5	1.27	4.93	R 2.88	14.3	0.902	0.989	1.52	1.84	1.37	0.470	0.487	4.29	0.765	
	12.	15.0	1.30	3.34	R 2.27	13.0	0.895	1.32	e 1.90	1.94	1.39	0.472	0.352	3.18	0.768	
	13.	11.8	7.63	2.64	R 2.08	6.26	1.01	1.56	e 1.85	2.27	1.17	0.380	0.382	1.19	1.13	
	14.	7.18	19.3	2.87	R 2.03	3.05	1.24	1.43	e 1.66	7.57	0.824	0.369	0.372	0.653	3.16	
	15.	9.21	19.0	6.20	R 1.83	2.30	1.46	1.28	1.86	8.78	0.706	0.370	0.501	0.630	6.05	
	16.	12.4	13.4	8.14	R 1.87	1.91	2.25	1.18	1.58	5.36	0.781	0.334	0.353	0.546	3.56	
	17.	14.0	7.02	5.96	R 1.79	1.55	2.39	0.975	1.38	3.28	1.05	0.354	0.410	0.555	1.42	
	18.	13.7	3.85	3.53	R 1.68	1.37	2.08	1.04	1.28	2.20	1.27	0.316	0.408	0.478	1.97	
	19.	11.0	3.38	2.61	R 2.57	1.34	1.55	0.884	1.48	1.80	1.59	0.330	0.438	0.486	6.32	
	20.	5.98	4.54	2.27	22.3	1.50	1.70	1.18	1.30	1.60	1.30	0.306	0.405	0.475	5.26	
	21.	3.48	3.65	1.99	49.8	1.31	1.61	5.15	1.87	1.56	0.856	0.381	0.401	0.450	3.02	
	22.	2.49	2.70	1.79	27.8	1.21	1.85	16.3	3.32	1.36	0.661	0.408	0.499	0.440	2.12	
	23.	2.07	2.32	1.63	19.0	1.33	1.49	41.4	3.08	1.20	0.608	0.340	0.414	0.436	1.99	
	24.	R 1.86	2.12	1.48	14.1	1.75	1.33	60.2	2.04	1.26	0.591	0.377	0.446	0.420	1.66	
	25.	R 1.76	2.04	1.56	7.70	1.42	1.50	41.5	1.50	1.20	0.609	0.461	0.433	0.558	4.02	
	26.	R 1.64	2.21	2.81	5.45	1.17	1.15	17.1	1.47	1.05	0.606	0.539	0.594	0.806	22.3	
	27.	R 1.60	2.98	7.64	5.97	1.08	0.876	5.80	1.26	0.984	0.652	0.532	0.454	1.15	40.9	
	28.	R 1.92	2.61	10.6	9.21	1.22	0.836	1.81	1.32	0.979	0.821	0.465	0.532	0.981	21.4	
	29.	R 2.73	2.15	11.8	1.42	0.758	1.21	1.22	1.22	0.750	1.30	0.504	0.339	0.881	14.0	
	30.	R 2.48	1.90	7.89	1.24	0.729	1.12	1.29	1.12	0.915	1.66	0.499	0.414	0.786	8.57	
	31.		1.75	3.91	1.08		1.02		1.02	0.834	1.30		0.441		3.74	
Hauptwerte	Tag	27.	6.	3.	18.	31.	3.	4.	1.	29.	4.	20.	29.	8.	1.	
	NQ	1.60	1.03	1.43	1.68	1.08	0.665	0.630	1.02	0.750	0.589	0.306	0.339	0.374	0.613	
	MQ	8.39	3.90	4.36	9.26	4.71	1.26	6.89	1.63	1.99	0.950	0.478	0.450	0.833	5.28	
	HQ	26.8	22.5	12.3	61.3	14.8	2.88	65.3	3.64	10.5	1.75	1.09	0.716	4.67	47.3	
	Tag	1.	14.	29.	21.	11.	16.	23.	22.	14.	30.	1.	26.	11.	27.	
	h _N	mm														
	h _A	mm	66	32	36	68	38	10	56	13	16	8	4	4	6	43
			1968/1998		1969/1999 31 Jahre											
	Jahr	1968	1968	1969	1969	1979	1969	1969	1976	1976	1976	1973	1970	1971	1991	
	NQ	0.180	0.040	0.120	0.140	0.270	0.160	0.160	0.100	0.040	0.070	0.130	0.190	0.220	0.324	
	MNQ	0.613	0.715	0.957	1.10	1.12	0.911	0.665	0.561	0.460	0.315	0.337	0.398	0.619	0.734	
	MQ	1.46	3.05	3.48	4.27	3.62	2.39	1.74	1.32	1.05	0.601	0.545	1.18	1.47	3.20	
	MHQ	5.05	15.2	18.8	26.2	17.0	11.5	9.21	4.76	3.78	2.04	1.43	7.26	5.10	16.5	
	HQ	26.8	95.9	90.4	82.8	83.3	81.5	65.3	21.8	33.6	10.2	6.45	90.8	26.8	95.9	
	Jahr	1998	1993	1982	1970	1988	1994	1999	1984	1996	1978	1995	1998	1998	1993	
		1968/1998		1969/1999 31 Jahre												
M _{hN}	mm	12	25	28	31	30	19	14	10	8	5	4	10	12	26	
M _{hA}	mm															
Hauptwerte	Abflussjahr (*)		1999				Kalenderjahr				Unterschrittene Abflüsse m ³ /s					
			Jahr		Datum		Jahr		Datum		Unterschrittene Abflüsse m ³ /s		Untere Hüllwerte			
			1999		1999		1999		1999		1999		1999			
			Winter		Sommer		1999		1999		1999		1999			
	NQ	m ³ /s	0.306	am 20.09.1999	0.665	0.306	0.306	am 20.09.1999	(365)							
	MQ	m ³ /s	3.65		5.25	2.08	3.15		364							
	HQ	m ³ /s	65.3	am 23.05.1999 bei W= 308 cm	61.3	65.3	65.3	am 23.05.1999 bei W= 308 cm	363	60.2	60.2	79.5	36.0	7.49		
	Nq	l/(s km ²)	0.933		2.03	0.933	0.933		362	49.8	49.8	53.0	25.7	7.28		
	Mq	l/(s km ²)	11.1		16.0	6.33	9.60		361	41.5	41.5	42.4	22.2	5.87		
	Hq	l/(s km ²)	199		187	199	199		360	41.4	41.4	41.6	20.2	5.57		
	h _N	mm							359	27.8	27.8	27.8	18.5	3.81		
	h _A	mm	351		255	99	351		358	24.7	24.7	30.4	16.9	2.71		
			1969/1999 (*) 31 Jahre		1969/1999		1969/1999		1969/1999		1969/1999		1969/1999		1969/1999	
	NQ	m ³ /s	0.040	am 17.07.1976	0.040	0.040	0.040	am 17.07.1976	357	22.3	22.3	27.8	15.9	2.70		
	MNQ	m ³ /s	0.268		0.466	0.276	0.266		356	19.3	19.3	25.0	14.9	2.48		
MQ	m ³ /s	2.05		3.04	1.08	2.06		355	19.1	19.1	22.6	14.1	2.45			
MHQ	m ³ /s	44.1		39.6	18.1	46.7		350	15.4	14.3	16.9	9.43	1.86			
HQ	m ³ /s	95.9	am 21.12.1993 bei W= 324 cm	95.9	90.8	95.9	am 21.12.1993 bei W= 324 cm	340	13.2	11.8	13.1	5.66	1.38			
HQ ₁	m ³ /s	33.6		27.8	8.27	34.6		330	11.8	7.70	9.34	3.99	1.21			
HQ ₅	m ³ /s							320	8.14	5.96	6.84	3.12	1.13			
MNQ	l/(s km ²)	0.817		1.42	0.841	0.811		300	5.36	3.32	4.10	2.26	0.900			
Mq	l/(s km ²)	6.25		9.26	3.28	6.29		270	2.70	2.12	2.55	1.66	0.710			
MHQ	l/(s km ²)	134		121	55.1	142		240	2.00	1.66	2.04	1.31	0.590			
		1969/1999 (*) 31 Jahre		1969/1999		1969/1999		1969/1999		1969/1999		1969/1999		1969/1999		
M _{hN}	mm	197		147	51	198		210	1.66	1.42	1.67	1.08	0.450			
M _{hA}	mm							183	1.45	1.28	1.47	0.891	0.390			
		Niedrigwasser		Hochwasser												
		m ³ /s		l/(s km ²)		Datum		m ³ /s		l/(s km ²)		cm		Datum		
1		0.040	0.122	15.12.1968	95.9	292	21.12.1993	80	0.781	0.608	0.957	0.493	0.240			
2					90.8	277	20.10.1998	70	0.665	0.557	0.904	0.461	0.210			
3					90.4	275	31.01.1982	60	0.606	0.504	0.854	0.431	0.160			
4					83.3	254	17.03.1988	50	0.539	0.478	0.814	0.401	0.150			
5					82.8	252	22.02.1970	40	0.500	0.456	0.786	0.379	0.130			
6					81.6	249	07.02.1984	30	0.456	0.436	0.741	0.345	0.110			
7					74.6	227	26.02.1997	25	0.441	0.420	0.724	0.321	0.110			
8					72.9	222	08.02.1981	20	0.410	0.403	0.709	0.301	0.100			
9					69.0	210	16.10.1981	15	0.382	0.381	0.698	0.272	0.100			
10					65.3	199	23.05.1999	10	0.370	0.370	0.682	0.241	0.090			

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.