A_{Eo} : 134 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	2005 Nov	2005 Dez	2006 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.815	0.821	2.38	0.948	1.64	1.55	1.04	1.41	0.813	0.776	1.20	1.02	0.801	0.795
2.	0.803	0.782	1.54	0.937	1.59	1.20	0.995	1.41	0.760	0.832	1.04	1.06	0.799	0.778
3.	0.807	0.917	1.23	0.930	1.77	1.90	0.932	1.16	0.770	1.09	0.987	1.01	0.857	0.768
4.	0.801	1.18	1.15	0.929	4.58	3.33	0.882	1.11	0.778	0.939	0.957	1.68	0.860	0.864
5.	0.936	1.24	1.12	0.933	2.30	2.77	0.867	1.11	0.736	0.949	0.962	1.08	0.836	1.14
6.	0.868	1.09	1.08	0.925	2.07	4.43	0.836	1.03	0.882	0.985	0.915	0.945	0.821	1.06
7.	0.849	1.04	1.05	0.963	2.24	2.55	0.835	0.959	1.17	2.15	0.933	0.998	0.814	1.84
8.	0.821	0.969	1.02	0.975	2.21	1.69	0.821	0.922	0.948	1.00	1.36	0.955	0.797	1.12
9.	0.808	0.914	0.995	0.979	14.5	2.11	0.840	0.878	0.805	0.903	0.975	0.922	0.809	1.92
10.	0.801	0.900	0.939	0.987	15.8	4.41	0.852	0.841	0.784	0.927	0.935	0.870	0.832	3.47
11.	0.802	0.904	0.920	0.987	5.86	5.62	0.834	0.836	0.745	0.992	0.886	0.851	0.782	1.51
12.	0.792	0.880	0.922	0.968	3.04	3.86	0.803	0.813	0.745	1.23	0.883	0.845	1.03	1.22
13.	0.792	0.880	0.901	0.962	1.84	3.03	0.788	0.807	0.715	1.02	0.866	0.842	0.985	1.12
14.	0.793	0.893	0.880	0.980	1.38	2.34	1.19	0.795	0.729	1.02	0.852	0.847	0.887	1.00
15.	0.787	0.900	0.903	1.32	1.19	1.66	0.949	0.800	0.703	0.928	0.851	0.870	0.862	0.945
16.	0.771	1.02	0.863	12.8	1.26	1.86	1.17	0.804	0.687	0.895	0.850	0.843	0.825	0.915
17.	0.733	1.18	0.986	5.52	1.33	1.53	1.84	0.809	0.682	0.885	0.910	0.885	0.807	1.02
18.	0.811	1.05	3.38	3.05	1.41	1.35	1.11	0.882	0.671	0.857	0.953	0.858	0.808	1.10
19.	0.872	0.988	1.70	2.44	1.70	1.22	1.09	0.894	0.674	0.812	1.19	0.844	0.777	0.984
20.	0.875	0.944	1.16	2.25	2.69	1.13	0.996	0.839	0.688	0.859	1.01	0.856	0.795	0.930
21.	0.882	0.964	1.37	2.12	3.20	1.07	0.946	0.999	0.666	0.898	0.910	0.946	0.784	0.884
22.	0.858	0.951	1.18	2.01	4.52	1.03	0.918	0.965	0.657	1.05	0.891	0.876	0.890	0.859
23.	0.816	1.00	1.12	1.80	2.30	1.06	0.895	0.847	0.712	0.916	0.895	0.943	0.832	0.849
24.	0.815	1.08	0.983	1.75	1.92	1.02	0.939	0.849	0.677	0.884	0.856	0.981	0.816	0.854
25.	0.836	1.15	1.01	1.69	3.35	0.982	0.855	0.830	0.668	1.01	0.914	0.968	0.784	0.841
26.	0.776	1.16	1.01	1.67	4.37	1.02	0.895	0.805	0.673	0.880	1.65	0.882	0.742	0.825
27.	0.781	1.11	1.00	1.64	3.23	1.03	1.53	0.805	0.638	0.875	1.34	0.817	0.735	0.824
28.	0.812	1.03	0.983	1.63	5.81	1.21	1.89	0.880	0.666	1.42	1.10	0.816	0.747	0.808
29.	0.826	0.949	0.958		4.13	1.22	1.86	0.885	1.10	1.35	1.02	0.917	0.752	0.847
30.	0.858	0.913	0.942		2.71	1.12	2.91	1.01	0.782	2.28	0.937	0.858	0.769	0.847
31.		1.18	0.952		2.47		1.90		0.731	1.84		0.821		0.846

Hauptwerte

	2005 Nov	2005 Dez	2006 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	17.	2.	16.	6.	15.	25.	13.	14.	27.	1.	16.	28.	27.	3.
NQ	0.733	0.782	0.863	0.925	1.19	0.982	0.788	0.795	0.638	0.776	0.850	0.816	0.735	0.768
MQ	0.819	0.999	1.18	1.97	3.49	2.01	1.14	0.932	0.756	1.08	1.00	0.932	0.821	1.09
HQ	1.32	2.28	6.35	20.5	24.6	7.72	4.84	2.75	2.66	3.80	3.37	2.39	1.31	5.90
Tag	24.	31.	18.	16.	9.	11.	30.	21.	29.	7.	26.	4.	18.	10.
h_N mm														
h_A mm	16	20	24	36	70	39	23	18	15	22	19	19	16	22

	1950/2005		1951/2006						56 Jahre					
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.871	0.891	0.878	0.909	0.918	0.898	0.814	0.784	0.769	0.767	0.759	0.817	0.866	0.888
MQ	1.31	1.39	1.39	1.50	1.52	1.36	1.24	1.39	1.29	1.25	1.15	1.22	1.29	1.40
MHQ	5.50	6.02	6.89	7.52	6.72	5.76	6.30	8.25	8.25	9.66	6.22	5.20	5.37	6.10
HQ	26.4	17.8	21.5	22.5	24.6	27.4	27.0	29.6	70.8	126	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	2006	1994	1999	1991	1977	2005	1981	1993	1979	1988
	1950/2005		1951/2006						56 Jahre					
Mh_N mm														
Mh_A mm	25	28	28	27	30	26	25	27	26	25	22	24	25	28

Abflussjahr (*) 2006

		Jahr	Datum	Winter	Sommer
NQ	m³/s	0.638	am 27.07.2006	0.733	0.638
MQ	m³/s	1.36		1.74	0.973
HQ	m³/s	24.6	am 09.03.2006 bei W= 235 cm	24.6	4.84
Nq	l/(s km²)	4.77		5.48	4.77
Mq	l/(s km²)	10.1		13.1	7.28
Hq	l/(s km²)	184		184	36.2
h_N	mm				
h_A	mm	320		207	114
		1951/2006 (*) 56 Jahre			
NQ	m³/s	0.245	am 04.06.1971	0.402	0.245
MNQ	m³/s	0.621		0.758	0.643
MQ	m³/s	1.33		1.41	1.26
MHQ	m³/s	21.2		14.0	18.0
HQ	m³/s	126	am 22.08.2005 bei W= 316 cm	27.4	126
HQ_1	m³/s	16.2		12.3	13.9
HQ_5	m³/s				
MNq	l/(s km²)	4.64		5.67	4.81
Mq	l/(s km²)	9.98		10.6	9.39
MHq	l/(s km²)	158		105	135
		1951/2006 (*) 56 Jahre			
Mh_N	mm				
Mh_A	mm	315		168	147

Kalenderjahr 2006

		Jahr	Datum
NQ	m³/s	0.638	am 27.07.2006
MQ	m³/s	1.36	
HQ	m³/s	24.6	am 09.03.2006 bei W= 235 cm
Nq	l/(s km²)	4.77	
Mq	l/(s km²)	10.2	
Hq	l/(s km²)	184	
h_N	mm		
h_A	mm	320	
		1951/2006	
NQ	m³/s	0.245	am 04.06.1971
MNQ	m³/s	0.620	
MQ	m³/s	1.33	
MHQ	m³/s	21.1	
HQ	m³/s	126	am 22.08.2005 bei W= 316 cm
HQ_1	m³/s	16.2	
HQ_5	m³/s		
MNq	l/(s km²)	4.64	
Mq	l/(s km²)	9.96	
MHq	l/(s km²)	158	
		1951/2006	
Mh_N	mm		
Mh_A	mm	314	

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.83	04.06.1971	126	939		22.08.2005
2				70.8	530		31.07.1977
3				32.8	245		29.09.1981
4				30.9	231		12.08.2002
5				29.6	221		18.06.1991
6				27.6	206		18.07.1993
7				27.4	205		21.09.2000
8				27.4	205		13.04.1994
9				27.0	202		22.05.1999
10				26.6	199		14.06.1995

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abflussjahr (*) 2006	Kalenderjahr 2006	1951/2006 Obere Hüllwerte	56 Kalenderjahre Mittlere Werte	56 Kalenderjahre Untere Hüllwerte
(365)					
364	15.8	15.8	46.3	10.8	4.02
363	14.5	14.5	22.1	8.46	3.21
362	12.8	12.8	20.0	7.33	2.72
361	5.86	5.86	13.9	6.49	2.69
360	5.81	5.81	12.7	5.73	2.60
359	5.62	5.62	11.1	5.29	2.21
358	5.52	5.52	9.63	4.83	2.17
357	4.58	4.58	8.22	4.47	1.93
356	4.52	4.52	7.86	4.22	1.93
350	3.38	3.47	6.04	3.15	1.53
340	2.71	2.77	4.85	2.38	1.23
330	2.25	2.28	3.89	1.99	1.15
320	1.90	1.92	3.12	1.78	1.07
300	1.63	1.65	2.32	1.52	0.997
270	1.18	1.20	1.96	1.31	0.941
240	1.05	1.06	1.69	1.19	0.861
210	0.996	0.996	1.55	1.09	0.843
183	0.957	0.953	1.41	1.04	0.801
150	0.925	0.916	1.27	0.963	0.730
130	0.898	0.886	1.21	0.934	0.690
120	0.884	0.882	1.21	0.915	0.672
110	0.882	0.863	1.16	0.901	0.641
100	0.867	0.857	1.16	0.886	0.620
90	0.857	0.849	1.16	0.871	0.620
80	0.849	0.842	1.12	0.851	0.600
70	0.839	0.834	1.12	0.832	0.572
60	0.817	0.817	1.06	0.811	0.560
50	0.809	0.808	1.06	0.785	0.501
40	0.802	0.797	1.06	0.758	0.500
30	0.784	0.782	1.01	0.729	0.435
25	0.778	0.768	0.957	0.711	0.353
20	0.760	0.747	0.957	0.681	0.348
15	0.729	0.729	0.957	0.651	0.340
10	0.687	0.687	0.950	0.601	0.330
9	0.682	0.682	0.950	0.598	0.330
8	0.677	0.677	0.950	0.578	0.330
7	0.674	0.674	0.910	0.567	0.323
6	0.673	0.673	0.910	0.550	0.315
5	0.671	0.671	0.910	0.541	0.314
4	0.668	0.668	0.910	0.528	0.310
3	0.668	0.668	0.910	0.502	0.308
2	0.668	0.668	0.910	0.471	0.266
1	0.657	0.657	0.910	0.402	0.260
0	0.638	0.638	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Umwelt

A_{Eo} : 134 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	2004 Nov	2004 Dez	2005 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.857	0.795	1.38	1.09	0.865	1.83	1.26	0.801	1.76	0.790	0.938	0.986	0.815	0.821
2.	0.838	0.784	2.16	1.07	0.884	1.46	1.15	0.769	1.17	0.834	0.921	1.42	0.803	0.782
3.	0.838	0.781	1.64	1.00	0.873	1.35	1.10	0.761	0.961	0.971	0.902	2.21	0.807	0.917
4.	0.832	0.771	1.36	1.04	0.868	1.28	1.19	1.09	0.828	0.824	0.902	1.62	0.801	1.18
5.	0.853	0.770	1.19	0.993	0.880	1.17	1.16	0.976	1.46	0.794	0.902	1.25	0.936	1.24
6.	0.847	0.768	1.18	0.991	0.868	1.10	1.31	0.824	1.15	1.09	0.896	1.14	0.868	1.09
7.	0.848	0.751	1.22	0.955	0.838	1.10	2.08	0.886	0.909	0.869	0.868	1.08	0.849	1.04
8.	0.967	0.738	1.11	0.925	0.837	1.12	2.72	0.805	0.867	0.831	0.809	1.04	0.821	0.969
9.	0.956	0.729	1.09	0.945	0.829	1.33	1.66	0.784	0.805	0.824	0.811	0.997	0.808	0.914
10.	0.982	0.751	1.08	0.949	0.854	1.36	1.46	0.783	1.59	0.815	1.48	0.985	0.801	0.900
11.	1.04	0.737	1.09	2.51	0.995	1.20	1.24	0.754	3.52	0.786	0.990	0.992	0.802	0.904
12.	0.915	0.738	1.08	10.8	1.04	1.13	1.13	0.763	1.50	0.788	0.991	0.960	0.792	0.880
13.	1.03	0.738	1.27	7.98	1.06	1.11	1.02	0.759	1.05	0.772	1.01	0.932	0.792	0.880
14.	1.12	0.716	1.22	2.72	1.03	1.11	0.971	0.772	0.968	0.791	0.953	0.924	0.793	0.893
15.	0.903	0.702	1.11	2.00	1.47	1.07	0.989	1.41	0.885	0.845	0.939	0.907	0.787	0.900
16.	0.831	0.705	1.05	1.66	3.80	1.07	0.986	0.881	0.855	1.08	0.923	0.903	0.771	1.02
17.	0.757	0.723	0.989	1.49	7.91	1.04	1.29	0.799	1.01	0.889	1.12	0.887	0.733	1.18
18.	0.777	0.859	1.01	1.40	4.07	1.01	1.01	0.770	0.886	0.840	0.990	0.905	0.811	1.05
19.	0.839	0.880	1.08	1.32	2.37	2.06	0.940	0.751	1.26	0.863	0.955	0.875	0.872	0.988
20.	0.840	0.783	1.05	1.28	1.76	5.60	0.900	0.748	1.04	0.984	0.933	0.870	0.875	0.944
21.	0.784	0.759	2.38	1.18	1.42	4.15	0.898	0.728	1.02	1.83	0.904	0.869	0.882	0.964
22.	0.862	0.783	1.80	1.16	1.23	1.98	0.914	0.700	0.912	e 19.4	0.901	0.867	0.858	0.951
23.	0.913	0.833	1.43	1.12	1.19	1.61	0.934	0.713	0.861	e 38.6	0.907	0.867	0.816	1.00
24.	0.986	1.38	1.31	1.03	1.18	1.54	0.973	0.703	0.825	6.28	0.906	0.861	0.815	1.08
25.	0.903	1.18	1.25	0.970	1.73	2.53	0.881	0.692	1.81	2.25	0.906	0.866	0.836	1.15
26.	0.910	1.12	1.21	0.964	1.40	3.54	0.822	0.682	1.35	1.79	0.906	0.829	0.776	1.16
27.	0.804	1.13	1.20	0.959	1.27	2.32	0.801	0.699	0.946	1.41	0.920	0.837	0.781	1.11
28.	0.837	1.13	1.14	0.891	2.96	2.40	0.786	0.696	0.853	1.22	0.953	0.869	0.812	1.03
29.	0.811	1.03	1.09		1.83	1.66	0.772	1.01	0.832	1.11	0.992	0.838	0.826	0.949
30.	0.808	0.999	R 1.10		5.86	1.44	0.775	1.03	0.849	1.04	0.979	0.810	0.858	0.913
31.		1.01	R 1.09		3.89		0.863		0.802	1.00		0.830		1.18

Hauptwerte

	2004 Nov	2004 Dez	2005 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	17.	15.	17.	28.	9.	18.	29.	26.	31.	13.	8.	30.	17.	2.
NQ	0.757	0.702	0.989	0.891	0.829	1.01	0.772	0.682	0.802	0.772	0.809	0.810	0.733	0.782
MQ	0.882	0.857	1.27	1.83	1.87	1.76	1.13	0.818	1.14	3.00	0.950	1.01	0.819	0.999
HQ	1.58	1.65	3.46	14.7	16.4	7.82	5.22	2.27	5.69	126	2.90	2.98	1.32	2.28
Tag	22.	28.	21.	12.	17.	20.	8.	29.	10.	22.	10.	3.	24.	31.
h_N mm														
h_A mm	17	17	25	33	38	34	22	16	23	60	18	20	16	20

	1950/2004		1951/2005 55 Jahre											
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.873	0.893	0.878	0.909	0.913	0.897	0.815	0.784	0.771	0.766	0.757	0.817	0.868	0.891
MQ	1.32	1.40	1.40	1.49	1.49	1.34	1.24	1.40	1.30	1.25	1.15	1.22	1.30	1.40
MHQ	5.58	6.08	6.90	7.29	6.40	5.72	6.33	8.35	8.35	9.77	6.27	5.25	5.44	6.10
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	126	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	2005	1981	1993	1979	1988

	1950/2004		1951/2005 55 Jahre											
Mh_N mm														
Mh_A mm	26	28	28	27	30	26	25	27	26	25	22	24	25	28

Abflussjahr (*) 2005

	Jahr	Datum	Winter	Sommer
NQ m³/s	0.682	am 26.06.2005	0.702	0.682
MQ m³/s	1.38		1.41	1.35
HQ m³/s	126	am 22.08.2005 bei W= 316 cm	16.4	126
Nq l/(s km²)	5.10		5.25	5.10
Mq l/(s km²)	10.3		10.5	10.1
Hq l/(s km²)	939		123	939
h_N mm				
h_A mm	326		167	158

Kalenderjahr 2005

Jahr	Datum
0.682	am 26.06.2005
1.38	
126	am 22.08.2005 bei W= 316 cm
5.10	
10.4	
939	
325	

	1951/2005 (*) 55 Jahre				1951/2005	
NQ m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ m³/s	0.620		0.758	0.643	0.620	
MQ m³/s	1.33		1.41	1.26	1.33	
MHQ m³/s	21.1		13.8	18.3	21.0	
HQ m³/s	126	am 22.08.2005 bei W= 316 cm	27.4	126	126	am 22.08.2005 bei W= 316 cm
HQ_1 m³/s	16.1		12.2	14.0	16.1	
HQ_5 m³/s						
MNq l/(s km²)	4.64		5.67	4.81	4.64	
Mq l/(s km²)	9.97		10.5	9.44	9.96	
MHq l/(s km²)	158		103	137	157	

	1951/2005 (*) 55 Jahre			1951/2005
Mh_N mm				
Mh_A mm	315		168	148	314

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.83	04.06.1971	126	939		22.08.2005
2				70.8	530		31.07.1977
3				32.8	245		29.09.1981
4				30.9	231		12.08.2002
5				29.6	221		18.06.1991
6				27.6	206		18.07.1993
7				27.4	205		21.09.2000
8				27.4	205		13.04.1994
9				27.0	202		22.05.1999
10				26.6	199		14.06.1995

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abflussjahr (*) 2005	Kalenderjahr 2005	1951/2005 Obere Hüllwerte	55 Kalenderjahre Mittlere Werte	55 Kalenderjahre Untere Hüllwerte
(365)					
364	38.6	38.6	46.3	10.7	4.02
363	19.4	19.4	22.1	8.46	3.21
362	10.8	10.8	20.0	7.33	2.72
361	7.98	7.98	13.9	6.49	2.69
360	7.91	7.91	12.7	5.73	2.60
359	6.28	6.28	11.1	5.26	2.21
358	5.86	5.86	9.63	4.83	2.17
357	5.60	5.60	8.22	4.46	1.93
356	4.15	4.15	7.86	4.19	1.93
350	2.96	2.96	6.04	3.14	1.53
340	2.21	2.21	4.85	2.37	1.23
330	1.80	1.80	3.89	1.99	1.15
320	1.61	1.61	3.12	1.77	1.07
300	1.36	1.36	2.32	1.52	0.997
270	1.18	1.18	1.96	1.31	0.941
240	1.09	1.09	1.69	1.19	0.861
210	1.02	1.04	1.55	1.10	0.843
183	0.982	0.988	1.41	1.04	0.801
150	0.914	0.925	1.27	0.965	0.730
130	0.898	0.903	1.21	0.935	0.690
120	0.884	0.891	1.21	0.916	0.672
110	0.869	0.881	1.16	0.903	0.641
100	0.862	0.870	1.16	0.888	0.620
90	0.847	0.865	1.16	0.871	0.620
80	0.838	0.853	1.12	0.851	0.600
70	0.830	0.831	1.12	0.832	0.572
60	0.810	0.822	1.06	0.810	0.560
50	0.795	0.810	1.06	0.785	0.501
40	0.784	0.802	1.06	0.758	0.500
30	0.771	0.788	1.01	0.728	0.435
25	0.761	0.783	0.957	0.710	0.353
20	0.754	0.775	0.957	0.681	0.348
15	0.748	0.769	0.957	0.649	0.340
10	0.723	0.751	0.950	0.601	0.330
9	0.716	0.748	0.950	0.595	0.330
8	0.713	0.733	0.950	0.576	0.330
7	0.705	0.728	0.910	0.562	0.323
6	0.703	0.713	0.910	0.549	0.315
5	0.702	0.703	0.910	0.540	0.314
4	0.700	0.700	0.910	0.524	0.310
3	0.699	0.699	0.910	0.501	0.308
2	0.696	0.696	0.910	0.471	0.266
1	0.692	0.692	0.910	0.402	0.260
0	0.682	0.682	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Umwelt

A_{Eo} : 134 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	2003 Nov	2003 Dez	2004 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.898	1.48	1.02	3.20	0.903	1.02	0.929	1.06	0.870	0.568	0.597	0.833	0.857	0.795
2.	0.907	1.34	0.987	4.06	0.903	0.990	0.909	1.20	1.01	0.558	0.583	0.814	0.838	0.784
3.	0.863	1.22	0.961	2.80	0.903	0.952	1.09	1.09	0.974	0.543	0.589	0.748	0.838	0.781
4.	0.853	1.14	0.967	1.66	0.894	0.953	0.970	1.15	0.916	0.537	0.617	0.712	0.832	0.771
5.	0.882	1.13	0.967	1.35	0.895	1.56	0.978	1.10	0.878	0.527	0.516	0.692	0.853	0.770
6.	0.848	1.09	0.966	1.24	0.910	1.79	1.23	1.16	1.01	0.526	0.541	0.646	0.847	0.768
7.	0.776	1.09	1.27	1.18	0.904	2.04	1.64	1.04	0.893	0.521	0.530	0.665	0.848	0.751
8.	0.793	0.989	1.44	1.22	1.01	1.72	1.28	0.961	1.76	0.773	0.545	0.709	0.967	0.738
9.	0.774	0.911	2.88	1.26	1.04	1.60	1.09	0.939	2.97	0.569	0.545	1.02	0.956	0.729
10.	0.785	0.897	3.69	1.19	1.05	1.37	1.10	0.912	1.16	0.569	0.519	2.25	0.982	0.751
11.	0.805	0.888	2.12	1.16	1.05	1.33	1.06	1.06	1.08	0.578	0.533	0.905	1.04	0.737
12.	0.800	0.885	3.76	1.20	1.05	1.24	1.08	1.60	1.93	0.589	0.617	0.757	0.915	0.738
13.	0.846	0.907	5.68	1.16	1.06	1.16	1.10	1.18	2.71	0.772	0.620	0.710	1.03	0.738
14.	0.906	1.32	9.66	1.31	1.18	1.09	1.09	1.09	1.74	0.689	0.539	0.722	1.12	0.716
15.	0.897	1.44	2.86	1.37	1.14	1.07	1.02	0.989	1.32	0.668	0.565	0.863	0.903	0.702
16.	0.870	1.19	1.85	1.31	1.08	1.02	1.01	1.00	1.14	0.650	0.554	1.17	0.831	0.705
17.	0.965	1.12	6.67	1.25	1.01	1.01	0.952	0.983	1.01	0.637	0.535	0.878	0.757	0.723
18.	0.963	1.08	3.76	1.20	0.951	0.981	0.974	0.932	1.08	0.613	0.544	0.888	0.777	0.859
19.	0.916	1.07	1.98	1.17	0.948	1.22	0.938	0.910	0.924	0.583	0.534	0.851	0.839	0.880
20.	0.912	1.06	1.91	1.07	0.902	1.13	0.916	1.10	0.874	0.722	0.573	0.803	0.840	0.783
21.	0.898	1.38	1.75	1.05	0.891	1.03	0.951	1.02	0.859	0.759	0.560	0.988	0.784	0.759
22.	0.904	1.40	1.38	1.05	0.976	0.999	1.40	0.927	0.871	0.724	0.540	1.00	0.862	0.783
23.	0.900	1.17	1.15	1.06	0.983	1.20	1.10	0.955	0.742	0.684	0.624	0.856	0.913	0.833
24.	0.912	1.04	1.03	0.998	2.01	1.10	0.983	1.05	0.819	0.653	0.919	0.818	0.986	1.38
25.	0.911	0.998	1.03	0.968	2.74	0.993	0.897	0.985	0.822	0.615	0.947	0.772	0.903	1.18
26.	0.923	0.967	0.991	0.952	1.91	0.977	0.913	1.04	0.712	0.612	0.887	0.959	0.910	1.12
27.	0.936	0.993	0.998	0.951	1.48	0.938	0.898	1.09	0.743	0.692	0.729	1.20	0.804	1.13
28.	1.06	0.984	0.999	0.911	1.38	0.937	0.971	0.997	0.665	0.594	0.652	1.02	0.837	1.13
29.	2.05	0.967	0.980	0.903	1.27	0.937	0.936	1.00	0.630	0.608	0.628	0.939	0.811	1.03
30.	1.76	0.989	0.940		1.17	0.934	0.901	0.945	0.598	0.607	0.709	0.873	0.808	0.999
31.		1.02	0.921		1.10		0.989		0.595	0.625		0.836		1.01

Hauptwerte

	2003 Nov	2003 Dez	2004 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	9.	12.	31.	29.	21.	30.	25.	19.	31.	7.	5.	6.	17.	15.
NQ	0.774	0.885	0.921	0.903	0.891	0.934	0.897	0.910	0.595	0.521	0.516	0.646	0.757	0.702
MQ	0.950	1.10	2.18	1.38	1.15	1.18	1.04	1.05	1.11	0.624	0.613	0.899	0.882	0.857
HQ	2.78	1.87	15.9	8.59	4.00	2.66	2.09	4.09	5.88	1.21	1.18	4.15	1.58	1.65
Tag	6.	14.	14.	1.	24.	6.	22.	12.	8.	13.	25.	10.	22.	28.
h_N mm														
h_A mm	18	22	44	26	23	23	21	20	22	12	12	18	17	17

	1950/2003		1951/2004						54 Jahre					
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.875	0.896	0.876	0.910	0.914	0.895	0.816	0.786	0.771	0.766	0.756	0.817	0.871	0.893
MQ	1.33	1.41	1.40	1.48	1.48	1.34	1.24	1.41	1.30	1.22	1.16	1.23	1.31	1.41
MHQ	5.65	6.17	6.96	7.15	6.21	5.68	6.35	8.46	8.40	7.63	6.34	5.29	5.52	6.18
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	1977	1981	1993	1979	1988

	1950/2003		1951/2004						54 Jahre					
Mh_N mm														
Mh_A mm	26	28	28	28	30	26	25	27	26	24	22	24	25	28

Abflussjahr (*) 2004

		Jahr	Datum	Winter	Sommer
NQ	m³/s	0.516	am 05.09.2004	0.774	0.516
MQ	m³/s	1.11		1.33	0.890
HQ	m³/s	15.9	am 14.01.2004 bei W= 185 cm	15.9	5.88
Nq	l/(s km²)	3.86		5.79	3.86
Mq	l/(s km²)	8.28		9.92	6.66
Hq	l/(s km²)	119		119	44.0
h_N	mm				
h_A	mm	261		158	104

Kalenderjahr 2004

Jahr	Datum
0.516	am 05.09.2004
1.08	
15.9	am 14.01.2004 bei W= 185 cm
3.86	
8.08	
119	
262	

	1951/2004 (*) 54 Jahre				1951/2004	
NQ	m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ	m³/s	0.619		0.759	0.642	0.619	
MQ	m³/s	1.33		1.41	1.26	1.33	
MHQ	m³/s	19.2		13.7	16.3	19.1	
HQ	m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8	70.8	am 31.07.1977 bei W= 296 cm
HQ_1	m³/s	16.1		12.1	14.0	16.1	
HQ_5	m³/s						
MNq	l/(s km²)	4.63		5.68	4.80	4.63	
Mq	l/(s km²)	9.96		10.5	9.42	9.96	
MHq	l/(s km²)	144		103	122	143	

	1951/2004 (*) 54 Jahre			1951/2004
Mh_N	mm				
Mh_A	mm	314	167	147	315

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.83	04.06.1971	70.8	530		31.07.1977
2				32.8	245		29.09.1981
3				30.9	231		12.08.2002
4				29.6	221		18.06.1991
5				27.6	206		18.07.1993
6				27.4	205		21.09.2000
7				27.4	205		13.04.1994
8				27.0	202		22.05.1999
9				26.6	199		14.06.1995
10				26.4	198		07.11.1979

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abflussjahr (*) 2004	Kalenderjahr 2004	1951/2004 Obere Hüllwerte	54 Kalenderjahre Mittlere Werte	54 Kalenderjahre Untere Hüllwerte
(365)	9.66	9.66			
364	6.67	6.67	46.3	10.4	4.02
363	5.68	5.68	22.1	8.41	3.21
362	4.06	4.06	20.0	7.31	2.72
361	3.76	3.76	13.9	6.49	2.69
360	3.76	3.76	12.7	5.71	2.60
359	3.69	3.69	11.1	5.26	2.21
358	3.20	3.20	9.63	4.83	2.17
357	2.97	2.97	8.22	4.46	1.93
356	2.88	2.88	7.86	4.19	1.93
350	2.12	2.12	6.04	3.14	1.53
340	1.76	1.75	4.85	2.37	1.23
330	1.48	1.40	3.89	1.99	1.15
320	1.38	1.31	3.12	1.78	1.07
300	1.20	1.18	2.32	1.53	0.997
270	1.10	1.09	1.96	1.31	0.941
240	1.05	1.02	1.69	1.19	0.861
210	0.999	0.985	1.55	1.10	0.843
183	0.970	0.953	1.41	1.04	0.801
150	0.932	0.905	1.27	0.966	0.730
130	0.909	0.880	1.21	0.937	0.690
120	0.902	0.856	1.21	0.917	0.672
110	0.894	0.836	1.16	0.903	0.641
100	0.874	0.808	1.16	0.888	0.620
90	0.851	0.773	1.16	0.871	0.620
80	0.803	0.757	1.12	0.851	0.600
70	0.757	0.737	1.12	0.832	0.572
60	0.710	0.710	1.06	0.809	0.560
50	0.653	0.653	1.06	0.783	0.501
40	0.620	0.620	1.06	0.755	0.500
30	0.594	0.594	1.01	0.726	0.435
25	0.578	0.578	0.957	0.708	0.353
20	0.565	0.565	0.957	0.681	0.348
15	0.554	0.554	0.957	0.647	0.340
10	0.539	0.539	0.950	0.601	0.330
9	0.537	0.537	0.950	0.592	0.330
8	0.535	0.535	0.950	0.574	0.330
7	0.534	0.534	0.910	0.561	0.323
6	0.533	0.533	0.910	0.547	0.315
5	0.530	0.530	0.910	0.538	0.314
4	0.527	0.527	0.910	0.521	0.310
3	0.526	0.526	0.910	0.501	0.308
2	0.521	0.521	0.910	0.471	0.266
1	0.519	0.519	0.910	0.402	0.260
0	0.516	0.516	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Umwelt

A_{Eo} : 134 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.42	2.68	2.61	1.48	1.65	0.980	1.04	0.965	0.894	0.965	0.882	0.965	0.898	1.48
2.	4.02	2.32	4.51	1.37	4.20	1.22	1.03	0.927	0.854	0.909	0.822	1.01	0.907	1.34
3.	8.22	2.09	4.39	1.70	4.18	1.15	1.11	0.930	0.876	0.882	0.781	0.979	0.863	1.22
4.	11.1	1.94	3.58	3.09	2.58	1.06	1.00	0.923	0.860	0.896	0.780	1.13	0.853	1.14
5.	6.39	1.67	4.48	1.92	2.03	1.07	1.00	1.12	0.818	0.858	0.774	2.74	0.882	1.13
6.	2.84	1.80	2.24	1.64	1.84	1.04	0.977	3.04	0.819	0.869	0.772	1.99	0.848	1.09
7.	2.10	1.68	1.73	1.45	2.43	1.02	0.955	1.04	0.779	0.861	0.769	1.46	0.776	1.09
8.	3.43	1.44	1.47	1.40	1.80	0.995	0.923	0.910	0.802	0.854	0.784	2.15	0.793	0.989
9.	2.67	1.32	1.38	1.38	1.55	1.01	1.76	0.863	0.737	0.846	0.793	2.42	0.774	0.911
10.	2.26	1.24	1.27	1.34	1.48	1.07	1.09	0.845	0.745	0.840	0.781	1.70	0.785	0.897
11.	3.73	1.15	1.18	1.31	1.41	1.10	1.30	0.832	0.727	0.860	0.866	1.24	0.805	0.888
12.	2.94	1.11	1.06	1.29	1.42	1.04	1.11	0.829	0.726	0.894	0.834	1.06	0.800	0.885
13.	1.72	1.11	1.02	1.24	1.51	1.04	1.10	0.888	0.722	0.871	0.816	1.12	0.846	0.907
14.	1.54	1.12	1.13	1.20	1.33	1.02	1.18	0.973	0.710	0.854	0.789	1.00	0.906	1.32
15.	1.50	1.12	1.23	1.13	1.26	1.01	1.12	0.999	0.712	1.10	0.784	1.02	0.897	1.44
16.	1.38	1.20	1.22	1.14	1.19	0.991	1.02	0.883	0.773	0.954	0.787	1.03	0.870	1.19
17.	1.44	4.22	1.22	1.12	1.16	0.991	0.982	0.839	1.60	0.913	0.776	0.878	0.965	1.12
18.	1.26	1.95	1.19	1.11	1.14	1.00	0.972	0.973	1.08	0.912	0.834	0.897	0.963	1.08
19.	5.19	1.51	1.12	1.09	1.14	1.00	1.00	0.852	0.896	0.898	0.887	0.870	0.916	1.07
20.	2.72	1.39	1.13	1.08	1.14	1.01	1.38	0.827	0.846	0.893	0.904	0.878	0.912	1.06
21.	1.74	5.24	1.17	1.08	1.12	1.11	1.31	0.788	0.826	0.889	0.897	0.989	0.898	1.38
22.	2.73	3.89	1.19	1.08	1.09	1.24	1.11	0.794	0.805	0.876	0.959	0.947	0.904	1.40
23.	2.59	3.76	1.65	1.03	1.07	1.11	1.07	0.784	0.893	0.876	1.02	0.890	0.900	1.17
24.	1.64	1.95	3.23	1.10	1.04	1.08	1.03	0.848	0.906	0.820	1.01	0.886	0.912	1.04
25.	1.41	1.59	1.97	1.09	1.04	1.04	0.976	0.802	1.13	0.799	0.955	0.884	0.911	0.998
26.	1.34	1.44	1.63	1.09	1.05	1.03	0.961	0.784	0.888	0.810	0.991	0.917	0.923	0.967
27.	1.68	1.43	1.94	1.14	1.00	1.02	1.01	0.764	0.914	0.794	0.968	0.875	0.936	0.993
28.	1.46	2.13	4.36	1.22	0.999	1.00	1.42	0.742	1.05	0.805	0.951	0.819	1.06	0.984
29.	5.81	4.46	2.54		1.00	1.01	1.66	0.733	0.940	0.826	1.04	0.836	2.05	0.967
30.	4.56	3.40	1.92		0.964	1.03	1.09	0.754	0.892	0.869	0.996	0.890	1.76	0.989
31.		1.88	1.73		0.970		1.01		0.882	1.04		0.871		1.02

Hauptwerte

	Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
	Tag	18.	12.	13.	23.	30.	1.	8.	29.	14.	27.	7.	28.	9.	12.
	NQ	1.26	1.11	1.02	1.03	0.964	0.980	0.923	0.733	0.710	0.794	0.769	0.819	0.774	0.885
	MQ	3.09	2.10	2.02	1.33	1.54	1.05	1.12	0.942	0.874	0.881	0.866	1.17	0.950	1.10
	HQ	17.2	8.49	11.3	6.44	9.02	2.14	4.14	7.12	2.53	1.52	1.27	5.62	2.78	1.87
	Tag	4.	21.	2.	3.	2.	11.	9.	6.	17.	15.	11.	5.	6.	14.
h_N	mm														
h_A	mm	60	42	40	24	31	20	22	18	18	18	17	23	18	22

	1950/2002		1951/2003						53 Jahre					
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.877	0.897	0.875	0.910	0.915	0.894	0.814	0.784	0.774	0.771	0.761	0.820	0.873	0.896
MQ	1.33	1.42	1.38	1.49	1.48	1.34	1.25	1.42	1.31	1.23	1.17	1.23	1.32	1.42
MHQ	5.71	6.25	6.80	7.12	6.25	5.74	6.43	8.54	8.45	7.75	6.43	5.31	5.59	6.26
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	1977	1981	1993	1979	1988

	1950/2002		1951/2003						53 Jahre					
Mh_N	mm													
Mh_A	mm	26	28	28	27	30	26	25	27	26	25	23	25	26	28

Abflussjahr (*) 2003

		Jahr	Datum	Winter	Sommer
NQ	m³/s	0.710	am 14.07.2003	0.964	0.710
MQ	m³/s	1.42		1.86	0.977
HQ	m³/s	17.2	am 04.11.2002 bei W= 199 cm	17.2	7.12
Nq	l/(s km²)	5.31		7.21	5.31
Mq	l/(s km²)	10.6		13.9	7.31
Hq	l/(s km²)	128		128	53.2
h_N	mm				
h_A	mm	334		221	114

Kalenderjahr 2003

Jahr	Datum
0.710	am 14.07.2003
1.16	
11.3	am 02.01.2003 bei W= 148 cm
5.31	
8.64	
84.4	
334	

	1951/2003 (*) 53 Jahre				1951/2003	
NQ	m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ	m³/s	0.621		0.759	0.644	0.621	
MQ	m³/s	1.34		1.41	1.27	1.34	
MHQ	m³/s	19.3		13.7	16.5	19.1	
HQ	m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8	70.8	am 31.07.1977 bei W= 296 cm
HQ_1	m³/s	16.1		12.1	14.0	16.1	
HQ_5	m³/s						
MNq	l/(s km²)	4.64		5.68	4.82	4.64	
Mq	l/(s km²)	10.0		10.5	9.48	9.98	
MHq	l/(s km²)	144		102	123	143	

	1951/2003 (*) 53 Jahre			1951/2003	
Mh_N	mm				
Mh_A	mm	315		167	148	315	

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.83	04.06.1971	70.8	530		31.07.1977
2				32.8	245		29.09.1981
3				30.9	231		12.08.2002
4				29.6	221		18.06.1991
5				27.6	206		18.07.1993
6				27.4	205		21.09.2000
7				27.4	205		13.04.1994
8				27.0	202		22.05.1999
9				26.6	199		14.06.1995
10				26.4	198		07.11.1979

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2003	Kalenderjahr 2003	1951/2003 53 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	11.1	4.51	46.3	10.7	4.02
363	8.22	4.48	22.1	8.46	3.21
362	6.39	4.39	20.0	7.34	2.72
361	5.81	4.36	13.9	6.51	2.69
360	5.24	4.20	12.7	5.75	2.60
359	5.19	4.18	11.1	5.30	2.21
358	4.56	3.58	9.63	4.85	2.17
357	4.51	3.23	8.22	4.51	1.93
356	4.48	3.09	7.86	4.25	1.93
350	4.18	2.43	6.04	3.16	1.53
340	3.04	1.92	4.85	2.40	1.23
330	2.58	1.65	3.89	2.00	1.15
320	2.09	1.47	3.12	1.79	1.07
300	1.70	1.30	2.32	1.53	0.997
270	1.41	1.14	1.96	1.32	0.941
240	1.20	1.09	1.69	1.19	0.861
210	1.11	1.03	1.55	1.10	0.843
183	1.06	1.00	1.41	1.04	0.801
150	1.01	0.964	1.27	0.968	0.730
130	0.979	0.913	1.21	0.939	0.690
120	0.968	0.907	1.21	0.919	0.672
110	0.930	0.898	1.16	0.905	0.641
100	0.906	0.889	1.16	0.890	0.620
90	0.894	0.883	1.16	0.871	0.620
80	0.883	0.875	1.12	0.851	0.600
70	0.875	0.861	1.12	0.834	0.572
60	0.858	0.848	1.06	0.811	0.560
50	0.839	0.827	1.06	0.786	0.501
40	0.820	0.810	1.06	0.758	0.500
30	0.799	0.794	1.01	0.729	0.435
25	0.788	0.785	0.957	0.711	0.353
20	0.787	0.784	0.957	0.681	0.348
15	0.776	0.776	0.957	0.651	0.340
10	0.764	0.764	0.950	0.601	0.330
9	0.754	0.754	0.950	0.599	0.330
8	0.745	0.745	0.950	0.580	0.330
7	0.742	0.742	0.910	0.567	0.323
6	0.737	0.737	0.910	0.550	0.315
5	0.733	0.733	0.910	0.540	0.314
4	0.727	0.727	0.910	0.517	0.310
3	0.726	0.726	0.910	0.501	0.308
2	0.722	0.722	0.910	0.471	0.266
1	0.712	0.712	0.910	0.402	0.260
0	0.710	0.710	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Umwelt

A_{Eo} : 134 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	2001 Nov	2001 Dez	2002 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.42	4.72	1.47	1.06	2.09	1.14	1.20	0.906	0.694	7.86	1.36	1.40	1.42	2.68
2.	1.05	5.85	1.33	1.06	2.96	1.41	1.18	0.861	0.830	4.73	1.31	1.29	4.02	2.32
3.	0.962	2.51	1.24	1.01	2.80	1.35	1.16	0.827	0.788	1.38	1.26	1.19	8.22	2.09
4.	0.933	1.90	1.07	0.993	1.73	1.24	1.47	0.830	0.767	1.14	1.27	1.28	11.1	1.94
5.	0.924	1.97	1.02	0.977	1.48	1.25	1.41	1.28	0.715	1.32	3.68	1.36	6.39	1.67
6.	0.932	1.73	R0.983	1.12	1.32	1.23	1.29	1.91	1.07	3.20	1.55	6.26	2.84	1.80
7.	1.19	1.60	0.999	2.35	1.25	1.26	1.24	22.1	1.20	2.44	1.33	4.57	2.10	1.68
8.	1.91	1.33	0.999	1.63	1.19	1.19	1.27	5.80	0.837	1.31	1.24	1.86	3.43	1.44
9.	1.36	1.10	0.999	1.81	1.13	1.17	1.24	2.25	0.734	1.14	1.18	1.38	2.67	1.32
10.	1.08	1.02	0.984	1.84	1.09	1.17	1.22	2.44	0.706	4.85	1.41	1.22	2.26	1.24
11.	0.989	1.02	0.913	1.65	1.36	1.18	1.41	1.37	0.707	24.6	1.24	1.10	3.73	1.15
12.	0.996	0.992	0.908	1.32	1.42	1.28	1.50	1.06	0.778	20.0	1.08	1.12	2.94	1.11
13.	1.11	1.02	0.899	1.20	1.43	1.34	1.32	0.912	1.35	6.04	1.05	1.24	1.72	1.11
14.	1.32	0.918	0.874	1.14	1.49	1.26	1.35	0.887	1.32	3.00	1.00	1.24	1.54	1.12
15.	1.15	0.864	0.856	1.09	1.50	1.30	1.20	0.848	1.08	2.12	1.04	1.71	1.50	1.12
16.	1.06	R0.866	0.854	1.05	1.50	1.30	1.19	0.725	1.08	1.28	1.07	2.12	1.38	1.20
17.	1.04	0.863	0.854	1.02	1.53	1.24	1.18	0.718	1.00	1.12	1.08	3.13	1.44	4.22
18.	0.994	0.878	0.854	1.02	1.56	1.24	1.68	0.660	2.42	1.01	1.07	2.66	1.26	1.95
19.	0.963	0.890	0.865	1.00	2.29	1.27	9.63	0.642	1.29	0.961	1.08	2.13	5.19	1.51
20.	0.900	0.867	1.14	1.02	7.58	1.27	2.00	0.877	0.979	1.16	1.89	1.82	2.72	1.39
21.	0.888	0.862	1.92	1.18	4.48	1.25	1.33	0.959	0.873	6.52	1.51	1.51	1.74	5.24
22.	0.973	0.983	1.49	1.17	5.60	1.24	1.13	0.844	0.929	3.12	1.28	1.34	2.73	3.89
23.	1.79	1.01	1.26	1.22	3.92	1.21	1.14	0.718	0.811	1.60	3.48	1.22	2.59	3.76
24.	1.24	0.932	1.28	1.41	2.12	1.70	1.10	5.24	0.841	1.30	13.9	1.15	1.64	1.95
25.	1.71	0.962	1.34	2.39	1.74	1.74	1.10	1.80	1.01	1.47	12.7	3.64	1.41	1.59
26.	4.93	1.22	1.28	2.41	1.53	1.51	1.22	1.02	0.961	1.23	7.02	2.75	1.34	1.44
27.	1.98	1.13	1.24	1.99	1.36	2.03	1.59	0.831	0.916	4.12	5.74	1.34	1.68	1.43
28.	2.16	1.46	1.33	5.72	1.26	1.38	2.32	0.808	0.832	2.12	5.22	1.06	1.46	2.13
29.	2.05	7.71	1.20		1.22	1.26	1.41	0.736	0.781	1.70	2.30	0.999	5.81	4.46
30.	3.83	5.54	1.12		1.17	1.22	1.18	0.705	0.749	1.44	1.65	0.919	4.56	3.40
31.		2.09	1.09		1.13		1.01		2.04	1.33		1.92		1.88

Hauptwerte

	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	21.	21.	16.+	5.	10.	1.	31.	19.	1.	19.	14.	30.	18.	12.
NQ	0.888	0.862	0.854	0.977	1.09	1.14	1.01	0.642	0.694	0.961	1.00	0.919	1.26	1.11
MQ	1.46	1.83	1.12	1.53	2.07	1.32	1.60	2.05	1.00	3.76	2.73	1.87	3.09	2.10
HQ	6.88	9.83	2.18	8.83	11.2	3.66	20.3	27.8	14.3	30.9	23.7	12.6	17.2	8.49
Tag	26.	29.	21.	28.	20.	27.	19.	7.	31.	12.	25.	6.	4.	21.
h_N mm														
h_A mm	28	37	22	28	42	26	32	40	20	75	53	37	60	42

	1950/2001		1951/2002							52 Jahre				
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.870	0.892	0.872	0.907	0.914	0.893	0.812	0.785	0.775	0.771	0.761	0.820	0.875	0.896
MQ	1.30	1.40	1.37	1.49	1.48	1.34	1.25	1.42	1.32	1.24	1.17	1.23	1.32	1.42
MHQ	5.49	6.20	6.71	7.13	6.20	5.81	6.47	8.57	8.56	7.87	6.53	5.30	5.65	6.35
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	1977	1981	1993	1979	1988

	1950/2001		1951/2002							52 Jahre				
Mh_N mm														
Mh_A mm	25	28	27	27	30	26	25	28	26	25	23	25	26	28

Abflussjahr (*) 2002

		Jahr	Datum	Winter	Sommer
NQ	m³/s	0.642	am 19.06.2002	0.854	0.642
MQ	m³/s	1.86		1.56	2.17
HQ	m³/s	30.9	am 12.08.2002 bei W= 266 cm	11.2	30.9
Nq	l/(s km²)	4.80		6.39	4.80
Mq	l/(s km²)	14.0		11.7	16.2
Hq	l/(s km²)	231		83.7	231
h_N	mm				
h_A	mm	440		185	254

	1951/2002 (*) 52 Jahre				
NQ	m³/s	0.245	am 04.06.1971	0.402	0.245
MNQ	m³/s	0.619		0.755	0.643
MQ	m³/s	1.34		1.40	1.27
MHQ	m³/s	19.3		13.6	16.7
HQ	m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8
HQ_1	m³/s	16.1		12.1	14.1
HQ_5	m³/s				
MNq	l/(s km²)	4.63		5.65	4.81
Mq	l/(s km²)	9.98		10.5	9.52
MHq	l/(s km²)	144		102	125

	1951/2002 (*) 52 Jahre			
Mh_N	mm			
Mh_A	mm	315	166	149

Kalenderjahr 2002

		Jahr	Datum
NQ	m³/s	0.642	am 19.06.2002
MQ	m³/s	2.02	
HQ	m³/s	30.9	am 12.08.2002 bei W= 266 cm
Nq	l/(s km²)	4.80	
Mq	l/(s km²)	15.1	
Hq	l/(s km²)	231	
h_N	mm		
h_A	mm	440	

	1951/2002		
NQ	m³/s	0.245	am 04.06.1971
MNQ	m³/s	0.619	
MQ	m³/s	1.34	
MHQ	m³/s	19.3	
HQ	m³/s	70.8	am 31.07.1977 bei W= 296 cm
HQ_1	m³/s	16.1	
HQ_5	m³/s		
MNq	l/(s km²)	4.63	
Mq	l/(s km²)	10.0	
MHq	l/(s km²)	144	

	1951/2002	
Mh_N	mm	
Mh_A	mm	316

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.83	04.06.1971	70.8	530		31.07.1977
2				32.8	245		29.09.1981
3				30.9	231		12.08.2002
4				29.6	221		18.06.1991
5				27.6	206		18.07.1993
6				27.4	205		21.09.2000
7				27.4	205		13.04.1994
8				27.0	202		22.05.1999
9				26.6	199		14.06.1995
10				26.4	198		07.11.1979

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abflussjahr (*) 2002	Kalenderjahr 2002	1951/2002 Obere Hüllwerte	52 Kalenderjahre Mittlere Werte	Untere Hüllwerte
(365)					
364	24.6	24.6	46.3	11.0	4.02
363	22.1	22.1	22.1	8.48	3.21
362	20.0	20.0	20.0	7.41	2.72
361	13.9	13.9	13.9	6.66	2.69
360	12.7	12.7	12.7	5.76	2.60
359	9.63	11.1	11.1	5.35	2.21
358	7.86	9.63	9.63	4.96	2.17
357	7.71	8.22	8.22	4.55	1.93
356	7.58	7.86	7.86	4.26	1.93
350	5.80	6.04	6.04	3.17	1.53
340	4.72	4.85	4.85	2.40	1.23
330	3.13	3.89	3.89	2.01	1.15
320	2.42	3.12	3.12	1.79	1.07
300	1.99	2.32	2.32	1.54	0.997
270	1.56	1.80	1.96	1.32	0.941
240	1.38	1.50	1.69	1.19	0.861
210	1.30	1.38	1.55	1.10	0.843
183	1.24	1.31	1.41	1.04	0.801
150	1.18	1.24	1.27	0.968	0.730
130	1.13	1.20	1.21	0.940	0.690
120	1.10	1.18	1.21	0.920	0.672
110	1.08	1.15	1.16	0.906	0.641
100	1.05	1.13	1.16	0.890	0.620
90	1.02	1.10	1.16	0.871	0.620
80	1.00	1.08	1.12	0.851	0.600
70	0.984	1.04	1.12	0.833	0.572
60	0.959	1.00	1.06	0.811	0.560
50	0.912	0.979	1.06	0.785	0.501
40	0.874	0.908	1.06	0.756	0.500
30	0.856	0.856	1.01	0.727	0.435
25	0.841	0.841	0.957	0.710	0.353
20	0.831	0.831	0.957	0.681	0.348
15	0.781	0.781	0.957	0.650	0.340
10	0.734	0.734	0.950	0.601	0.330
9	0.725	0.725	0.950	0.596	0.330
8	0.725	0.725	0.950	0.577	0.330
7	0.725	0.725	0.910	0.562	0.323
6	0.715	0.715	0.910	0.548	0.315
5	0.707	0.707	0.910	0.536	0.314
4	0.706	0.706	0.910	0.516	0.310
3	0.705	0.705	0.910	0.501	0.308
2	0.694	0.694	0.910	0.471	0.266
1	0.660	0.660	0.910	0.402	0.260
0	0.642	0.642	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Wasserwirtschaft

A_{Eo} : 134 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	2000 Nov	2000 Dez	2001 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.39	1.16	0.819	0.938	1.11	1.49	1.25	1.27	1.05	0.773	0.893	1.22	1.42	4.72
2.	1.11	1.14	0.919	0.917	1.13	1.44	1.20	1.15	0.974	0.765	0.789	1.15	1.05	5.85
3.	1.02	1.10	1.08	1.26	2.84	1.36	1.20	1.32	0.978	0.816	0.770	1.05	0.962	2.51
4.	1.04	1.08	1.00	8.24	4.34	1.33	1.18	1.15	0.965	1.54	0.890	1.08	0.933	1.90
5.	1.01	1.09	0.974	3.09	9.90	1.38	1.15	1.14	0.941	1.80	1.24	1.04	0.924	1.97
6.	1.02	1.09	1.42	2.14	3.25	1.34	1.30	1.74	0.930	0.990	1.13	0.957	0.932	1.73
7.	1.11	1.05	5.43	1.69	2.10	2.73	1.21	1.66	1.33	0.895	0.930	0.930	1.19	1.60
8.	1.04	1.01	5.23	1.44	1.78	2.10	1.18	1.39	1.30	0.881	1.56	0.987	1.91	1.33
9.	0.991	0.936	3.89	1.35	4.39	1.64	1.14	2.94	1.18	0.869	4.89	1.02	1.36	1.10
10.	0.945	0.949	2.09	1.27	2.59	1.83	1.11	3.33	1.02	1.34	1.50	1.12	1.08	1.02
11.	0.936	1.03	2.77	1.19	2.52	1.89	1.10	4.07	0.975	1.05	1.20	1.01	0.989	1.02
12.	0.930	0.981	3.05	1.12	3.03	1.60	1.07	2.17	0.974	0.889	1.06	e 0.914	0.996	0.992
13.	0.944	0.964	1.69	1.12	4.83	1.46	1.03	1.57	1.19	0.853	1.26	e 0.855	1.11	1.02
14.	1.05	0.907	1.28	1.10	2.88	1.38	1.11	1.50	1.02	0.827	2.52	e 0.874	1.32	0.918
15.	1.62	0.905	1.10	1.06	3.51	1.57	1.24	1.31	1.09	0.798	1.85	0.852	1.15	0.864
16.	1.13	0.966	1.01	1.02	2.03	2.70	1.19	2.24	1.86	0.793	2.14	0.834	1.06	R 0.866
17.	1.54	1.04	0.984	1.01	1.72	2.74	1.22	2.05	1.15	0.951	3.18	0.855	1.04	0.863
18.	1.67	1.03	0.948	0.998	1.89	2.00	2.31	1.95	1.02	0.853	1.94	0.868	0.994	0.878
19.	1.26	2.00	0.892	0.966	1.67	2.00	1.55	1.87	1.07	0.780	1.44	0.862	0.963	0.890
20.	1.48	1.41	0.907	1.02	1.59	1.86	1.25	1.50	0.964	0.793	1.28	0.874	0.900	0.867
21.	1.97	1.10	0.912	1.02	8.20	2.23	1.18	1.28	0.888	0.806	3.32	1.36	0.888	0.862
22.	1.53	0.990	1.13	1.14	4.38	4.10	1.15	1.17	0.888	0.773	2.63	1.16	0.973	0.983
23.	1.32	0.901	1.14	1.84	6.03	4.27	1.13	1.10	0.868	0.771	1.60	e 1.15	1.79	1.01
24.	1.22	0.844	1.29	1.69	5.60	2.57	1.08	1.05	0.859	0.721	1.64	e 1.43	1.24	0.932
25.	1.98	0.856	1.48	1.41	9.66	1.89	1.08	1.05	0.848	0.718	1.37	e 1.52	1.71	0.962
26.	1.70	0.995	1.36	1.24	4.72	1.63	1.03	1.02	0.835	0.700	1.12	1.31	4.93	1.22
27.	1.36	0.985	1.20	1.17	2.65	1.48	1.05	1.02	0.823	0.790	1.19	1.09	1.98	1.13
28.	1.48	0.997	1.09	1.14	2.07	1.43	1.02	1.04	0.796	0.961	1.25	0.982	2.16	1.46
29.	1.41	1.06	1.03		1.88	1.37	1.02	1.02	0.796	0.763	1.17	0.976	2.05	7.71
30.	1.23	1.02	0.964		1.81	1.29	0.988	0.981	0.780	0.754	1.15	0.942	3.83	5.54
31.		0.933	0.964		1.63		1.40		0.784	0.785		0.963		2.09

Hauptwerte

	2000 Nov	2000 Dez	2001 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	12.	24.	1.	2.	1.	30.	30.	30.	30.	26.	3.	16.	21.	21.
NQ	0.930	0.844	0.819	0.917	1.11	1.29	0.988	0.981	0.780	0.700	0.770	0.834	0.888	0.862
MQ	1.28	1.05	1.61	1.56	3.48	1.94	1.20	1.60	1.00	0.896	1.63	1.04	1.46	1.83
HQ	2.68	2.78	7.94	13.5	14.5	6.35	4.10	6.35	3.21	2.84	9.47	2.28	6.88	9.83
Tag	21.	19.	7.	4.	5.	22.	18.	10.	7.	5.	9.	27.	26.	29.
h_N mm														
h_A mm	25	21	32	28	70	38	24	31	20	18	32	21	28	37

	1950/2000		1951/2001											
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.870	0.893	0.873	0.906	0.910	0.888	0.808	0.788	0.777	0.767	0.756	0.818	0.867	0.892
MQ	1.30	1.40	1.38	1.49	1.47	1.34	1.24	1.41	1.32	1.19	1.14	1.22	1.29	1.41
MHQ	5.46	6.14	6.80	7.10	6.10	5.85	6.20	8.19	8.45	7.42	6.20	5.16	5.42	6.30
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	1977	1981	1993	1979	1988

	1950/2000		1951/2001											
Mh_N mm														
Mh_A mm	25	28	28	27	30	26	25	27	26	24	22	24	25	28

Abflussjahr (*) / Kalenderjahr

	Abflussjahr (*) 2001 Jahr	Datum	Winter	Sommer	Kalenderjahr 2001 Jahr	Datum
NQ m³/s	0.700	am 26.08.2001	0.819	0.700	0.700	am 26.08.2001
MQ m³/s	1.52		1.83	1.22	1.60	
HQ m³/s	14.5	am 05.03.2001 bei W= 174 cm	14.5	9.47	14.5	am 05.03.2001 bei W= 174 cm
Nq l/(s km²)	5.24		6.12	5.24	5.24	
Mq l/(s km²)	11.4		13.7	9.16	12.0	
Hq l/(s km²)	108		108	70.8	108	
h_N mm						
h_A mm	360		217	143	359	

	1951/2001 (*) 51 Jahre				1951/2001	
NQ m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ m³/s	0.619		0.753	0.643	0.618	
MQ m³/s	1.32		1.40	1.26	1.33	
MHQ m³/s	19.1		13.7	16.4	19.1	
HQ m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8	70.8	am 31.07.1977 bei W= 296 cm
HQ_1 m³/s	15.5		12.2	13.7	15.5	
HQ_5 m³/s						
MNq l/(s km²)	4.63		5.63	4.81	4.62	
Mq l/(s km²)	9.91		10.4	9.39	9.92	
MHq l/(s km²)	142		102	123	142	

	1951/2001 (*) 51 Jahre			1951/2001
Mh_N mm				
Mh_A mm	313		167	147	313

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.83	04.06.1971	70.8	530		31.07.1977
2				32.8	245		29.09.1981
3				29.6	221		18.06.1991
4				27.6	206		18.07.1993
5				27.4	205		21.09.2000
6				27.4	205		13.04.1994
7				27.0	202		22.05.1999
8				26.6	199		14.06.1995
9				26.4	198		07.11.1979
10				24.8	185		07.08.1968

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2001	Kalenderjahr 2001	1951/2001 Obere Hüllwerte	51 Kalenderjahre Mittlere Werte	Untere Hüllwerte
(365)					
364	9.90	9.90	46.3	10.4	4.02
363	9.66	9.66	18.1	8.40	3.21
362	8.24	8.24	13.4	7.29	2.72
361	8.20	8.20	12.0	6.47	2.69
360	6.03	7.71	10.0	5.67	2.60
359	5.60	6.03	9.84	5.24	2.21
358	5.43	5.85	8.00	4.75	2.17
357	5.23	5.60	7.50	4.41	1.93
356	4.89	5.54	7.27	4.15	1.93
350	4.27	4.83	5.22	3.11	1.53
340	3.05	3.51	3.58	2.36	1.23
330	2.63	2.84	2.89	1.99	1.15
320	2.14	2.52	2.55	1.77	1.07
300	1.86	1.97	2.28	1.53	0.997
270	1.53	1.63	1.96	1.31	0.941
240	1.36	1.38	1.69	1.19	0.861
210	1.22	1.25	1.55	1.10	0.843
183	1.15	1.15	1.41	1.04	0.801
150	1.09	1.09	1.27	0.963	0.730
130	1.04	1.04	1.21	0.935	0.690
120	1.02	1.02	1.21	0.916	0.672
110	1.02	1.01	1.16	0.902	0.641
100	0.995	0.989	1.16	0.887	0.620
90	0.982	0.975	1.16	0.871	0.620
80	0.965	0.964	1.12	0.851	0.600
70	0.945	0.933	1.12	0.831	0.572
60	0.933	0.914	1.06	0.808	0.560
50	0.895	0.889	1.06	0.782	0.501
40	0.869	0.867	1.06	0.754	0.500
30	0.852	0.855	1.01	0.724	0.435
25	0.827	0.827	0.957	0.707	0.353
20	0.798	0.798	0.957	0.681	0.348
15	0.790	0.790	0.957	0.647	0.340
10	0.784	0.784	0.950	0.601	0.330
9	0.780	0.780	0.950	0.592	0.330
8	0.780	0.780	0.950	0.574	0.330
7	0.771	0.771	0.910	0.561	0.323
6	0.770	0.770	0.910	0.547	0.315
5	0.765	0.765	0.910	0.535	0.314
4	0.763	0.763	0.910	0.514	0.310
3	0.754	0.754	0.910	0.499	0.308
2	0.721	0.721	0.910	0.471	0.266
1	0.718	0.718	0.910	0.402	0.260
0	0.700	0.700	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Wasserwirtschaft

A_{Eo} : 133 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	1999 Nov	1999 Dez	2000 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.624	0.690	1.23	1.80	e 1.74	2.23	1.63	1.56	0.680	1.20	7.41	1.36	1.39	1.16
2.	0.624	2.76	1.74	1.46	2.11	1.72	1.91	0.997	0.703	1.12	2.16	1.71	1.11	1.14
3.	0.724	1.92	1.68	1.43	1.44	1.49	2.81	0.896	0.957	1.08	2.13	2.04	1.02	1.10
4.	0.720	2.45	1.47	1.20	2.52	1.33	2.05	0.873	1.07	1.09	4.14	1.76	1.04	1.08
5.	0.641	3.28	1.80	1.54	1.64	1.24	1.24	0.878	0.885	1.14	2.97	1.64	1.01	1.09
6.	0.723	1.66	1.57	1.40	1.31	1.26	1.10	3.94	0.758	12.0	1.84	2.60	1.02	1.09
7.	0.740	1.29	1.27	1.24	1.20	1.19	1.06	1.76	0.986	6.74	3.54	4.68	1.11	1.05
8.	0.697	1.98	1.17	1.16	1.15	1.11	1.11	1.09	1.45	3.00	2.17	3.31	1.04	1.01
9.	1.37	1.30	1.17	1.64	1.10	1.06	1.17	0.955	0.919	2.36	1.60	2.06	0.991	0.936
10.	7.12	1.03	1.30	1.58	1.09	1.04	0.910	0.830	0.945	1.59	1.39	1.76	0.945	0.949
11.	3.33	0.928	1.18	2.47	1.06	1.01	0.838	0.760	1.05	1.36	1.24	1.71	0.936	1.03
12.	1.67	0.901	1.06	1.79	1.05	1.24	1.38	0.739	1.35	1.20	1.14	7.01	0.930	0.981
13.	1.11	0.858	1.02	1.57	0.995	1.26	1.61	0.760	1.01	1.09	1.49	2.66	0.944	0.964
14.	0.954	1.55	0.974	1.84	1.00	1.20	0.956	1.61	1.14	1.06	1.48	1.90	1.05	0.907
15.	0.915	1.68	0.899	2.40	1.37	1.06	0.887	1.26	2.44	1.05	1.23	1.60	1.62	0.905
16.	0.875	1.16	0.841	3.15	1.30	0.982	0.828	1.00	1.83	1.03	1.32	1.45	1.13	0.966
17.	0.829	0.972	0.828	1.96	4.69	0.942	0.861	0.828	1.35	1.02	2.35	1.35	1.54	1.04
18.	0.789	4.18	1.33	1.60	12.1	1.08	1.16	0.769	1.02	1.18	1.67	1.33	1.67	1.03
19.	0.792	11.6	1.43	2.54	5.67	0.986	1.08	0.752	0.894	1.09	1.36	1.34	1.26	2.00
20.	0.744	3.25	1.06	2.44	2.94	0.935	0.937	0.720	0.841	0.968	1.23	1.36	1.48	1.41
21.	0.705	1.88	0.964	1.82	2.04	0.906	0.829	0.702	0.794	1.45	16.9	1.29	1.97	1.11
22.	0.637	1.41	0.971	1.56	1.66	0.850	1.06	0.684	0.759	2.19	18.6	1.23	1.53	0.992
23.	0.664	1.16	0.987	1.43	1.41	0.843	0.928	1.05	0.776	1.23	4.77	1.20	1.32	0.903
24.	0.711	1.14	0.896	1.60	1.27	0.887	0.858	0.842	0.908	1.10	2.72	1.24	1.22	0.846
25.	0.771	2.58	0.783	2.62	1.18	0.915	0.796	0.854	1.01	1.04	2.12	1.24	1.98	0.857
26.	0.786	5.24	0.775	2.35	1.20	0.878	0.751	0.805	0.838	0.985	1.96	1.20	1.70	0.997
27.	0.742	3.80	0.765	1.56	1.89	0.877	0.766	0.758	0.835	0.958	1.81	1.23	1.36	0.986
28.	0.713	2.46	0.787	e 1.38	2.36	0.842	0.754	0.719	1.06	1.03	1.76	1.13	1.48	0.998
29.	0.684	1.75	0.986	e 1.39	1.64	0.860	0.766	0.704	1.72	0.982	1.60	1.08	1.41	1.06
30.	0.648	1.50	5.59		7.46	0.980	0.829	0.684	2.07	1.00	1.46	1.06	1.23	1.02
31.		1.32	3.52		4.84		3.69		1.90	2.15		1.41		0.933

Hauptwerte

	1999 Nov	1999 Dez	2000 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.+	1.	27.	8.	13.	28.	26.	22.+	1.	27.	12.	30.	12.	24.
NQ	0.624	0.690	0.765	1.16	0.995	0.842	0.751	0.684	0.680	0.958	1.14	1.06	0.930	0.846
MQ	1.10	2.25	1.36	1.79	2.40	1.11	1.21	1.02	1.12	1.82	3.25	1.87	1.28	1.05
HQ	9.23	15.5	9.51	4.15	15.9	2.73	12.8	6.79	4.53	23.3	27.4	10.7	2.68	2.78
Tag	10.	19.	30.	16.	18.	1.	3.	6.	30.	6.	21.	12.	21.	19.
h_N mm														
h_A mm	21	45	27	34	48	22	24	20	23	37	63	38	25	21

	1950/1999		1951/2000						50 Jahre					
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.868	0.894	0.874	0.906	0.906	0.880	0.805	0.784	0.777	0.768	0.755	0.818	0.867	0.893
MQ	1.30	1.40	1.37	1.49	1.43	1.33	1.24	1.41	1.33	1.19	1.13	1.22	1.29	1.40
MHQ	5.52	6.20	6.78	6.97	5.94	5.84	6.24	8.23	8.55	7.51	6.13	5.22	5.39	6.23
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	1977	1981	1993	1979	1988

	1950/1999		1951/2000						50 Jahre					
Mh_N mm														
Mh_A mm	25	28	28	28	29	26	25	27	27	24	22	25	25	28

Abflussjahr (*) 2000

	Jahr	Datum	Winter	Sommer
NQ m³/s	0.624	am 01.11.1999	0.624	0.680
MQ m³/s	1.69		1.67	1.71
HQ m³/s	27.4	am 21.09.2000 bei W= 254 cm	15.9	27.4
Nq l/(s km²)	4.69		4.69	5.11
Mq l/(s km²)	12.7		12.6	12.9
Hq l/(s km²)	206		119	206
h_N mm				
h_A mm	401		201	201

Kalenderjahr 2000

Jahr	Datum
0.680	am 01.07.2000
1.61	
27.4	am 21.09.2000 bei W= 254 cm
5.11	
12.1	
206	
402	

	1951/2000 (*) 50 Jahre				1951/2000	
NQ m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ m³/s	0.617		0.752	0.642	0.617	
MQ m³/s	1.32		1.39	1.26	1.32	
MHQ m³/s	19.2		13.7	16.5	19.2	
HQ m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8	70.8	am 31.07.1977 bei W= 296 cm
HQ_1 m³/s	15.7		12.0	13.9	15.7	
HQ_5 m³/s						
MNq l/(s km²)	4.64		5.65	4.83	4.64	
Mq l/(s km²)	9.93		10.4	9.44	9.92	
MHq l/(s km²)	144		103	124	144	

	1951/2000 (*) 50 Jahre			1951/2000	
Mh_N mm					
Mh_A mm	313		166	148	314

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m³/s: Abflussjahr (*) 2000	Kalenderjahr 2000	1951/2000 Obere Hüllwerte	50 Kalenderjahre Mittlere Werte	50 Kalenderjahre Untere Hüllwerte
(365)					
364	16.9	16.9	46.3	10.4	4.02
363	12.1	12.1	18.1	8.40	3.21
362	12.0	12.0	13.4	7.27	2.72
361	11.6	7.46	12.0	6.47	2.69
360	7.46	7.41	10.0	5.64	2.60
359	7.41	7.01	9.84	5.22	2.21
358	7.12	6.74	8.00	4.72	2.17
357	7.01	5.67	7.50	4.35	1.93
356	6.74	5.59	7.27	4.09	1.93
350	4.69	3.94	5.22	3.07	1.53
340	3.31	2.72	3.58	2.32	1.23
330	2.66	2.36	2.89	1.98	1.15
320	2.45	2.12	2.55	1.77	1.07
300	1.96	1.81	2.28	1.51	0.997
270	1.67	1.60	1.96	1.31	0.941
240	1.46	1.41	1.69	1.18	0.861
210	1.32	1.26	1.55	1.09	0.843
183	1.20	1.18	1.41	1.04	0.801
150	1.09	1.08	1.27	0.959	0.730
130	1.05	1.05	1.21	0.932	0.690
120	1.01	1.03	1.21	0.913	0.672
110	0.987	1.01	1.16	0.901	0.641
100	0.958	0.991	1.16	0.884	0.620
90	0.935	0.980	1.16	0.868	0.620
80	0.899	0.955	1.12	0.851	0.600
70	0.861	0.933	1.12	0.831	0.572
60	0.842	0.903	1.06	0.806	0.560
50	0.829	0.877	1.06	0.781	0.501
40	0.775	0.843	1.06	0.752	0.500
30	0.759	0.829	1.01	0.721	0.435
25	0.742	0.794	0.957	0.704	0.353
20	0.723	0.769	0.957	0.681	0.348
15	0.705	0.765	0.957	0.642	0.340
10	0.690	0.752	0.950	0.601	0.330
9	0.690	0.751	0.950	0.591	0.330
8	0.690	0.739	0.950	0.571	0.330
7	0.690	0.720	0.910	0.561	0.323
6	0.680	0.719	0.910	0.544	0.315
5	0.664	0.704	0.910	0.532	0.314
4	0.648	0.703	0.910	0.512	0.310
3	0.641	0.702	0.910	0.498	0.308
2	0.637	0.702	0.910	0.466	0.266
1	0.637	0.702	0.910	0.402	0.260
0	0.624	0.680	0.870	0.245	0.245

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.84	04.06.1971	70.8	533		31.07.1977
2				32.8	246		29.09.1981
3				29.6	222		18.06.1991
4				27.6	207		18.07.1993
5				27.4	206		21.09.2000
6				27.4	206		13.04.1994
7				27.0	203		22.05.1999
8				26.6	200		14.06.1995
9				26.4	199		07.11.1979
10				24.8	186		07.08.1968

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

Vor 1961 nach Lattenpegelbeobachtungen

Bayer. Landesamt für Wasserwirtschaft

A_{Eo} : 133 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	1998 Nov	1998 Dez	1999 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	3.84	1.04	0.906	1.06	1.70	0.804	0.817	0.785	0.913	0.726	0.673	0.866	0.624	0.690
2.	1.83	0.939	0.900	1.05	3.71	0.776	0.775	0.982	0.790	0.719	0.666	0.802	0.624	2.76
3.	e 7.10	0.923	0.957	1.04	2.83	0.768	0.763	3.94	0.728	0.730	0.668	1.01	0.724	1.92
4.	e 5.34	0.875	0.965	1.38	2.51	0.895	0.760	1.48	0.710	0.735	0.666	1.47	0.720	2.45
5.	e 3.08	0.854	0.972	3.45	2.80	0.974	0.750	1.11	0.755	0.766	0.639	0.961	0.641	3.28
6.	1.89	0.887	0.922	2.10	2.16	0.850	0.844	0.990	0.981	0.954	0.654	0.989	0.723	1.66
7.	1.52	0.811	0.920	1.80	1.83	2.16	0.836	1.29	0.855	0.737	0.687	1.05	0.740	1.29
8.	1.21	0.812	2.11	1.60	1.40	1.42	0.912	2.04	0.886	0.715	0.689	0.954	0.697	1.98
9.	4.14	0.782	1.70	1.48	6.29	1.08	0.940	1.62	1.09	0.716	0.652	0.966	1.37	1.30
10.	6.88	0.811	1.31	1.32	3.47	0.913	0.844	1.17	1.46	0.834	0.633	0.883	7.12	1.03
11.	5.25	0.961	1.21	1.24	4.01	0.965	1.17	2.51	1.78	0.889	0.631	0.931	3.33	0.928
12.	2.76	2.52	1.08	1.07	2.32	1.07	3.75	1.49	5.46	0.958	0.595	0.793	1.67	0.901
13.	1.84	9.91	1.07	1.08	1.69	0.987	4.15	1.15	2.52	0.771	0.601	1.02	1.11	0.858
14.	1.77	3.00	1.07	1.10	1.42	1.76	3.16	1.10	3.09	0.711	0.627	0.867	0.954	1.55
15.	2.69	2.18	1.16	1.09	1.28	1.10	3.29	1.02	2.28	0.692	0.614	0.751	0.915	1.68
16.	5.48	1.68	1.17	1.10	1.19	1.55	1.64	1.00	1.59	0.848	0.649	0.609	0.875	1.16
17.	4.08	1.46	1.14	1.12	1.11	3.36	1.24	0.969	1.41	1.08	0.665	0.608	0.829	0.972
18.	2.18	1.33	1.01	1.10	0.974	3.13	1.07	1.01	1.06	0.868	0.691	0.622	0.789	4.18
19.	1.84	1.23	0.961	2.32	0.974	2.96	0.977	0.927	0.943	0.817	0.668	0.606	0.792	11.6
20.	1.36	1.26	0.932	18.1	1.02	1.92	1.06	0.865	0.934	0.727	0.710	0.608	0.744	3.25
21.	1.17	1.18	0.904	12.0	0.984	1.65	10.0	1.46	0.962	0.713	0.784	0.595	0.705	1.88
22.	1.09	1.08	0.867	9.84	1.06	1.49	21.8	1.39	0.876	0.664	0.719	0.621	0.637	1.41
23.	1.06	1.02	0.850	4.34	1.18	1.22	7.05	1.10	3.16	0.661	0.671	0.582	0.664	1.16
24.	1.00	1.01	0.843	2.89	1.19	1.09	3.01	0.894	2.12	0.679	0.810	0.540	0.711	1.14
25.	0.951	0.983	0.811	2.24	1.04	1.16	1.99	0.858	1.19	0.657	0.744	e 0.665	0.771	2.58
26.	0.932	0.979	1.14	2.05	0.949	1.02	1.57	0.834	0.985	0.649	1.03	e 0.664	0.786	5.24
27.	1.06	1.02	1.85	1.96	0.887	0.942	1.33	0.874	0.850	0.703	0.926	0.617	0.742	3.80
28.	1.30	1.03	1.62	1.76	0.849	0.926	1.18	0.875	0.828	0.760	0.878	0.610	0.713	2.46
29.	1.24	0.945	1.81		0.831	0.876	1.04	0.865	0.790	0.838	0.883	0.998	0.684	1.75
30.	1.16	0.934	1.31		0.821	0.830	0.927	0.849	0.758	0.744	0.957	e 0.720	0.648	1.50
31.		0.906	1.14		0.808		0.825		0.725	0.698		e 0.621		1.32

Hauptwerte

	1998 Nov	1998 Dez	1999 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	26.	9.	25.	3.	31.	3.	5.	1.	4.	26.	12.	24.	1.+	1.
NQ	0.932	0.782	0.811	1.04	0.808	0.768	0.750	0.785	0.710	0.649	0.595	0.540	0.624	0.690
MQ	2.57	1.46	1.15	2.95	1.78	1.36	2.60	1.25	1.40	0.766	0.716	0.793	1.10	2.25
HQ	14.0	14.6	3.92	22.5	11.0	6.48	27.0	9.07	9.49	1.40	1.32	1.86	9.23	15.5
Tag	3.	13.	8.	20.	9.	17.	22.	3.	12.	6.	22.	4.	10.	19.
h_N mm														
h_A mm	50	29	23	54	36	26	52	24	28	15	14	16	21	45

1950/1998 | 1951/1999 | 49 Jahre

	1950/1998		1951/1999											
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.873	0.898	0.876	0.901	0.905	0.881	0.806	0.786	0.779	0.764	0.748	0.813	0.866	0.894
MQ	1.30	1.39	1.37	1.48	1.41	1.34	1.24	1.42	1.33	1.18	1.09	1.21	1.29	1.41
MHQ	5.44	6.01	6.72	7.03	5.73	5.91	6.11	8.26	8.63	7.18	5.70	5.11	5.44	6.30
HQ	26.4	17.8	21.5	22.5	22.0	27.4	27.0	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1999	1988	1994	1999	1991	1977	1977	1981	1993	1979	1988

1950/1998 | 1951/1999 | 49 Jahre

Mh_N mm														
Mh_A mm	25	28	28	27	28	26	25	28	27	24	21	24	25	28

Abflussjahr (*) 1999

		Jahr	Datum	Winter	Sommer
NQ	m³/s	0.540	am 24.10.1999	0.768	0.540
MQ	m³/s	1.56		1.86	1.26
HQ	m³/s	27.0	am 22.05.1999 bei W= 254 cm	22.5	27.0
Nq	l/(s km²)	4.06		5.77	4.06
Mq	l/(s km²)	11.7		14.0	9.45
Hq	l/(s km²)	203		169	203
h_N	mm				
h_A	mm	369		222	148

Kalenderjahr 1999

Jahr	Datum
0.540	am 24.10.1999
1.50	
27.0	am 22.05.1999 bei W= 254 cm
4.06	
11.3	
203	
369	

1951/1999 (*) 49 Jahre | 1951/1999

NQ	m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ	m³/s	0.617		0.754	0.641	0.616	
MQ	m³/s	1.31		1.38	1.24	1.31	
MHQ	m³/s	19.0		13.6	16.3	19.0	
HQ	m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8	70.8	am 31.07.1977 bei W= 296 cm
HQ_1	m³/s	15.3		12.0	13.7	15.4	
HQ_5	m³/s						
MNq	l/(s km²)	4.64		5.67	4.82	4.63	
Mq	l/(s km²)	9.87		10.4	9.37	9.88	
MHq	l/(s km²)	143		102	123	143	

1951/1999 (*) 49 Jahre | 1951/1999

Mh_N	mm						
Mh_A	mm	311		165	146	312	

Dauertabelle

Unterschreitungsdauer in Tagen | Unterschrittene Abflüsse m³/s: Abflussjahr (*) 1999 | Kalenderjahr 1999 | 1951/1999 49 Kalenderjahre: Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte

Unterschreitungsdauer in Tagen	Abflussjahr (*) 1999	Kalenderjahr 1999	1951/1999 Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	21.8	21.8	46.3	10.4	4.02
363	18.1	18.1	18.1	8.39	3.21
362	12.0	12.0	13.4	7.23	2.72
361	10.0	11.6	12.0	6.40	2.69
360	9.91	10.0	10.0	5.59	2.60
359	9.84	9.84	9.84	5.20	2.21
358	7.10	7.12	8.00	4.66	2.17
357	7.05	7.05	7.50	4.33	1.93
356	6.88	6.29	7.27	4.06	1.93
350	4.34	4.01	5.22	3.06	1.53
340	3.45	3.28	3.58	2.31	1.23
330	2.96	2.80	2.89	1.97	1.15
320	2.32	2.28	2.55	1.76	1.07
300	1.83	1.76	2.28	1.51	0.997
270	1.42	1.40	1.96	1.30	0.941
240	1.18	1.14	1.69	1.18	0.861
210	1.07	1.06	1.55	1.09	0.843
183	1.00	0.974	1.41	1.03	0.801
150	0.942	0.906	1.27	0.956	0.730
130	0.904	0.866	1.21	0.931	0.690
120	0.878	0.850	1.21	0.911	0.672
110	0.866	0.830	1.16	0.901	0.641
100	0.848	0.804	1.16	0.882	0.620
90	0.828	0.776	1.16	0.866	0.620
80	0.808	0.755	1.12	0.851	0.600
70	0.775	0.730	1.12	0.828	0.572
60	0.750	0.720	1.06	0.803	0.560
50	0.720	0.703	1.06	0.781	0.501
40	0.698	0.673	1.06	0.751	0.500
30	0.668	0.665	1.01	0.720	0.435
25	0.665	0.652	0.957	0.701	0.353
20	0.652	0.637	0.957	0.678	0.348
15	0.627	0.627	0.957	0.641	0.340
10	0.614	0.614	0.950	0.601	0.330
9	0.610	0.610	0.950	0.589	0.330
8	0.609	0.609	0.950	0.571	0.330
7	0.609	0.609	0.910	0.561	0.323
6	0.609	0.609	0.910	0.541	0.315
5	0.606	0.606	0.910	0.531	0.314
4	0.601	0.601	0.910	0.509	0.310
3	0.601	0.601	0.910	0.495	0.308
2	0.601	0.601	0.910	0.464	0.266
1	0.582	0.582	0.910	0.402	0.260
0	0.540	0.540	0.870	0.245	0.245

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.84	04.06.1971	70.8	533		31.07.1977
2				32.8	246		29.09.1981
3				29.6	222		18.06.1991
4				27.6	207		18.07.1993
5				27.4	206		13.04.1994
6				27.0	203		22.05.1999
7				26.6	200		14.06.1995
8				26.4	199		07.11.1979
9				24.8	186		07.08.1968
10				24.1	181		11.06.1965

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

Vor 1961 nach Lattenpegelbeobachtungen

A_{Eo} : 133 km²
PNP :NN + 486.73 m
Lage: 68.6 km

Q
m³/s

Pegel : Fischach Nr. 11942009
Gewässer : Schmutter
Gebiet : Donau, Iller bis Lech

Tageswerte

Tag	1997 Nov	1997 Dez	1998 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.591	0.722	0.962	0.689	0.929	0.897	0.703	0.636	0.665	0.604	0.480	0.983	3.84	1.04
2.	0.586	0.742	0.951	0.663	0.947	0.844	3.77	0.629	0.782	0.713	0.470	2.84	1.83	0.939
3.	0.584	0.789	0.926	0.668	0.880	0.854	2.64	0.642	0.850	0.576	0.565	1.07	e 7.10	0.923
4.	0.620	0.756	1.11	0.656	0.809	0.831	1.17	0.637	0.813	0.546	0.603	0.918	e 5.34	0.875
5.	0.590	0.753	1.52	0.633	0.924	0.820	0.943	0.584	0.757	0.534	1.01	0.857	e 3.08	0.854
6.	0.600	0.709	1.42	0.634	0.902	0.875	0.801	0.568	0.763	0.516	0.984	0.676	1.89	0.887
7.	0.593	0.696	1.33	0.629	0.927	0.824	0.712	0.698	1.00	0.498	0.710	2.87	1.52	0.811
8.	0.577	0.774	1.12	0.663	1.62	0.792	0.646	1.18	2.20	0.485	0.649	4.45	1.21	0.812
9.	0.591	0.851	1.01	0.675	1.88	0.771	0.615	0.727	1.32	0.471	0.602	1.32	4.14	0.782
10.	0.642	1.02	0.947	0.684	1.20	0.742	0.576	0.657	0.880	0.465	0.600	0.857	6.88	0.811
11.	0.678	1.68	0.933	0.720	1.05	0.729	0.573	0.897	0.839	0.480	2.14	0.827	5.25	0.961
12.	0.659	3.87	0.905	0.713	0.933	0.741	0.557	3.46	0.718	0.474	4.16	0.829	2.76	2.52
13.	0.705	2.04	0.873	0.739	0.874	0.776	0.541	1.97	0.712	0.512	1.45	0.715	1.84	9.91
14.	0.650	1.40	0.848	0.742	0.844	1.11	0.522	0.950	0.920	0.533	0.805	0.647	1.77	3.00
15.	0.630	1.19	0.828	0.733	0.942	1.14	0.515	0.804	0.753	0.481	0.737	0.634	2.69	2.18
16.	0.654	1.06	0.905	0.733	3.48	0.921	0.513	0.906	0.675	0.466	0.698	0.774	5.48	1.68
17.	0.651	0.901	0.933	0.738	1.98	0.833	0.510	0.971	0.714	0.456	0.797	0.693	4.08	1.46
18.	0.652	0.878	0.871	0.728	1.40	0.750	0.545	0.756	0.627	0.483	1.13	1.04	2.18	1.33
19.	0.627	0.822	0.937	0.701	1.35	0.717	0.584	0.696	0.595	0.560	0.728	0.901	1.84	1.23
20.	0.641	0.897	0.974	0.694	1.24	0.669	0.558	0.637	0.559	0.496	0.580	0.728	1.36	1.26
21.	0.639	5.23	0.899	0.690	1.31	0.743	0.557	0.586	0.540	0.515	0.553	0.640	1.17	1.18
22.	0.689	3.65	0.848	0.746	1.18	0.734	0.622	0.563	0.637	0.529	0.510	e 0.612	1.09	1.08
23.	0.614	1.80	0.814	1.33	1.14	0.677	0.577	0.528	0.588	0.550	0.503	e 0.622	1.06	1.02
24.	0.677	2.03	0.775	1.22	1.20	0.662	0.548	0.543	0.535	0.592	0.498	e 0.636	1.00	1.01
25.	0.673	1.82	0.763	1.10	1.17	0.658	0.549	0.547	0.679	0.672	0.490	e 2.58	0.951	0.983
26.	0.682	1.75	0.787	0.961	1.20	0.650	0.539	1.10	0.650	0.539	0.454	1.64	0.932	0.979
27.	0.674	1.44	0.773	0.840	1.60	0.713	0.561	1.36	0.666	0.521	0.694	1.44	1.06	1.02
28.	0.718	1.20	0.751	0.795	1.98	0.753	0.555	1.00	0.707	0.522	0.615	1.06	1.30	1.03
29.	0.729	1.31	0.750		1.54	0.830	0.591	0.745	0.594	0.515	0.545	9.08	1.24	0.945
30.	0.698	1.13	0.752		1.18	0.717	0.568	0.636	0.559	0.501	0.517	3.59	1.16	0.934
31.		1.03	0.716		1.00		0.571		0.558	0.467		2.13		0.906

Hauptwerte

	1997 Nov	1997 Dez	1998 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	8.	7.	31.	7.	4.	26.	17.	23.	24.	17.	26.	22.	26.	9.
NQ	0.577	0.696	0.716	0.629	0.809	0.650	0.510	0.528	0.535	0.456	0.454	0.612	0.932	0.782
MQ	0.643	1.45	0.932	0.768	1.28	0.792	0.781	0.887	0.769	0.524	0.842	1.57	2.57	1.46
HQ	1.10	7.58	1.84	1.52	5.96	1.73	5.43	6.38	5.96	1.19	6.50	16.3	14.0	14.6
Tag	22.	21.	5.	23.	16.	14.	2.	12.	8.	1.	12.	29.	3.	13.
h_N mm														
h_A mm	12	29	19	14	26	15	16	17	15	10	16	32	50	29

	1950/1997		1951/1998						48 Jahre					
Jahr	1972	1956	1964	1979	1979	1960	1971	1971	1959	1958	1973	1973	1972	1956
NQ	0.553	0.630	0.620	0.410	0.402	0.509	0.395	0.245	0.420	0.450	0.279	0.349	0.553	0.630
MNQ	0.872	0.901	0.877	0.898	0.907	0.883	0.807	0.786	0.780	0.767	0.751	0.818	0.871	0.898
MQ	1.28	1.38	1.38	1.45	1.41	1.34	1.22	1.42	1.33	1.19	1.10	1.22	1.29	1.39
MHQ	5.26	5.83	6.78	6.71	5.62	5.90	5.67	8.24	8.62	7.31	5.79	5.17	5.37	6.11
HQ	26.4	17.8	21.5	21.5	22.0	27.4	20.5	29.6	70.8	52.1	32.8	18.5	26.4	17.8
Jahr	1979	1988	1968	1990	1988	1994	1995	1991	1977	1977	1981	1993	1979	1988

	1950/1997		1951/1998						48 Jahre					
Mh_N mm														
Mh_A mm	25	28	28	26	28	26	24	28	27	24	21	24	25	28

Abflussjahr (*) 1998

	Jahr	Datum	Winter	Sommer
NQ m³/s	0.454	am 26.09.1998	0.577	0.454
MQ m³/s	0.940		0.984	0.896
HQ m³/s	16.3	am 29.10.1998 bei W= 193 cm	7.58	16.3
Nq l/(s km²)	3.41		4.34	3.41
Mq l/(s km²)	7.07		7.40	6.74
Hq l/(s km²)	122		57.0	122
h_N mm				
h_A mm	223		118	105

Kalenderjahr 1998

Jahr	Datum
0.454	am 26.09.1998
1.10	
16.3	am 29.10.1998 bei W= 193 cm
3.41	
8.26	
122	
223	

	1951/1998 (*) 48 Jahre				1951/1998	
NQ m³/s	0.245	am 04.06.1971	0.402	0.245	0.245	am 04.06.1971
MNQ m³/s	0.619		0.754	0.643	0.617	
MQ m³/s	1.31		1.37	1.24	1.31	
MHQ m³/s	18.8		13.4	16.1	18.8	
HQ m³/s	70.8	am 31.07.1977 bei W= 296 cm	27.4	70.8	70.8	am 31.07.1977 bei W= 296 cm
HQ_1 m³/s	15.3		11.8	13.7	15.3	
HQ_5 m³/s						
MNq l/(s km²)	4.65		5.67	4.83	4.64	
Mq l/(s km²)	9.83		10.3	9.37	9.85	
MHq l/(s km²)	142		101	121	142	

	1951/1998 (*) 48 Jahre			1951/1998
Mh_N mm				
Mh_A mm	310		164	146	311

Extremwerte

	Niedrigwasser m³/s	Niedrigwasser l/(s km²)	Niedrigwasser Datum	Hochwasser m³/s	Hochwasser l/(s km²)	Hochwasser cm	Hochwasser Datum
1	0.245	1.84	04.06.1971	70.8	533		31.07.1977
2				32.8	246		29.09.1981
3				29.6	222		18.06.1991
4				27.6	207		18.07.1993
5				27.4	206		13.04.1994
6				26.6	200		14.06.1995
7				26.4	199		07.11.1979
8				24.8	186		07.08.1968
9				24.1	181		11.06.1965
10				22.6	170		08.06.1969

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m³/s: Abflussjahr (*) 1998	Kalenderjahr 1998	1951/1998 Obere Hüllwerte	48 Kalenderjahre Mittlere Werte	48 Kalenderjahre Untere Hüllwerte
(365)					
364	9.08	9.91	46.3	10.3	4.02
363	5.23	9.08	15.1	8.27	3.21
362	4.45	7.10	13.4	7.17	2.72
361	4.16	6.88	12.0	6.33	2.69
360	3.87	5.48	9.86	5.59	2.60
359	3.77	5.34	9.23	5.16	2.21
358	3.65	5.25	8.00	4.65	2.17
357	3.59	4.45	7.50	4.33	1.93
356	3.48	4.16	7.27	4.05	1.93
350	2.20	3.48	5.22	3.01	1.53
340	1.80	2.52	3.58	2.30	1.23
330	1.44	1.88	2.89	1.96	1.15
320	1.31	1.52	2.55	1.75	1.07
300	1.11	1.23	2.28	1.50	0.997
270	0.937	1.04	1.96	1.30	0.941
240	0.850	0.934	1.69	1.18	0.861
210	0.775	0.871	1.55	1.09	0.843
183	0.734	0.801	1.41	1.04	0.801
150	0.696	0.734	1.27	0.957	0.730
130	0.665	0.703	1.21	0.931	0.690
120	0.651	0.684	1.21	0.912	0.672
110	0.640	0.665	1.16	0.901	0.641
100	0.633	0.647	1.16	0.883	0.620
90	0.620	0.636	1.16	0.868	0.620
80	0.593	0.612	1.12	0.851	0.600
70	0.586	0.586	1.12	0.831	0.572
60	0.571	0.571	1.06	0.806	0.560
50	0.558	0.558	1.06	0.781	0.501
40	0.543	0.543	1.06	0.752	0.500
30	0.528	0.528	1.01	0.722	0.435
25	0.516	0.516	0.957	0.704	0.353
20	0.512	0.512	0.957	0.681	0.348
15	0.501	0.501	0.957	0.641	0.340
10	0.481	0.481	0.950	0.601	0.330
9	0.481	0.481	0.950	0.587	0.330
8	0.481	0.481	0.950	0.571	0.330
7	0.474	0.474	0.910	0.560	0.323
6	0.471	0.471	0.910	0.541	0.315
5	0.470	0.470	0.910	0.531	0.314
4	0.467	0.467	0.910	0.509	0.310
3	0.466	0.466	0.910	0.490	0.308
2	0.465	0.465	0.910	0.454	0.266
1	0.456	0.456	0.910	0.402	0.260
0	0.454	0.454	0.870	0.245	0.245

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

Vor 1961 nach Lattenpegelbeobachtungen