A_{Eo} : 1013 km^2

PNP : NN + 410.55 m

Lage: 357.0 km oberhalb Mündung mittig

Q

m^3/s

Pegel : Blankenstein-Rosent. Nr. 570210

Gewässer : Saale

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	17.1	78.2	59.5	23.1	T 8.82	8.82	K 5.06	K 3.74	K 5.75	K 3.12	K 2.67	K 2.51	2.87	2.37
2.	22.7	53.9	95.3	20.3	12.2	11.7	K 5.06	K 3.42	K 4.72	K 2.37	K 2.87	K 2.67	2.67	2.37
3.	34.0	44.8	155	20.3	27.3	12.8	K 4.39	K 3.42	K 4.39	K 2.67	K 2.51	K 2.51	2.51	2.37
4.	34.9	39.2	102	20.3	39.2	11.7	K 4.39	K 3.12	K 3.74	K 2.37	K 2.51	K 3.12	3.74	2.37
5.	33.2	35.7	71.0	17.5	36.4	10.6	K 4.39	K 3.74	K 5.75	K 2.24	K 2.51	K 3.12	3.12	2.37
6.	24.4	31.5	55.3	16.1	38.5	9.68	K 4.39	6.11	K 4.06	K 2.24	K 2.37	K 2.67	2.87	2.11
7.	21.1	27.3	46.2	14.1	37.8	9.24	K 4.06	4.06	K 3.12	K 2.24	K 2.37	K 6.86	2.67	2.24
8.	20.1	23.8	R 39.2	14.1	35.0	8.82	K 4.39	3.74	K 3.42	K 2.37	K 2.37	K 9.24	2.37	2.24
9.	33.2	R 20.3	R 32.9	13.5	34.3	8.82	K 7.25	3.74	K 2.67	K 2.37	K 2.51	K 12.2	2.51	2.24
10.	45.5	R 16.8	R 30.8	R 12.2	35.0	8.42	K 8.42	3.42	K 2.87	K 2.37	K 2.37	K 8.42	2.37	R 2.11
11.	46.3	R 15.4	R 28.7	R 10.6	33.6	9.24	K 6.86	3.42	K 2.67	K 2.51	K 4.72	K 5.75	2.51	R 2.11
12.	46.3	R 13.5	R 24.5	R 8.42	33.6	8.82	K 6.11	3.42	K 2.67	K 2.51	K 14.1	K 4.72	2.51	R 2.24
13.	34.9	R 13.5	T 23.8	R 8.42	32.2	8.03	K 6.48	4.39	K 2.67	K 2.37	K 7.25	K 3.42	2.24	2.87
14.	28.3	R 12.2	T 23.8	R 9.24	27.3	7.25	K 6.11	K 3.74	K 2.67	K 2.67	K 3.42	K 3.42	2.37	18.2
15.	24.4	R 11.1	R 23.1	R 9.68	23.8	6.86	K 6.11	K 3.42	K 2.51	K 2.51	K 3.12	K 3.42	2.37	17.5
16.	22.7	R 11.1	R 21.7	R 10.6	22.4	6.48	K 6.11	K 3.12	K 2.51	K 2.67	K 2.87	K 3.42	2.37	10.1
17.	20.6	R 12.8	R 20.3	R 8.82	21.0	6.11	K 5.40	K 3.12	K 2.51	K 2.51	K 2.87	K 3.12	4.06	8.42
18.	18.1	R 11.7	18.2	R 8.82	19.6	6.11	K 5.06	K 3.42	K 2.67	2.67	K 2.87	K 2.87	3.42	7.25
19.	27.5	10.6	17.5	R 8.03	17.5	7.64	K 9.24	K 5.06	K 2.67	2.51	K 2.67	K 2.51	2.87	5.75
20.	43.9	10.1	17.5	R 8.03	16.8	9.68	K 12.2	K 3.74	K 2.51	2.51	K 2.67	K 2.87	2.67	5.40
21.	29.9	9.68	18.2	R 8.03	15.4	8.03	K 8.42	K 3.74	K 2.51	2.51	K 2.67	K 2.87	2.67	12.8
22.	25.9	11.7	15.4	R 7.64	13.5	6.86	K 7.25	K 2.67	K 2.87	2.51	K 2.87	K 3.42	2.51	18.2
23.	37.3	41.3	14.8	R 7.64	12.2	6.11	K 5.75	K 3.42	K 3.42	2.51	K 2.67	K 3.42	2.37	12.2
24.	31.6	27.3	25.9	R 7.25	11.7	5.75	K 5.40	K 5.06	K 3.12	2.37	K 3.12	K 3.42	2.24	8.82
25.	25.1	17.5	20.3	R 7.25	11.1	5.75	K 5.06	K 3.12	K 4.06	2.37	K 2.87	K 2.51	2.11	7.64
26.	23.2	14.1	16.1	T 7.64	10.6	5.40	K 7.64	K 3.12	K 2.87	2.51	K 2.67	K 2.67	2.24	8.03
27.	21.6	14.1	16.1	T 7.64	10.1	5.75	K 8.03	K 3.12	K 2.67	2.67	K 2.51	K 2.51	2.24	7.25
28.	20.1	14.1	42.7	T 8.03	9.68	6.48	K 5.40	K 2.67	K 5.06	2.37	K 2.67	K 2.51	2.37	8.03
29.	20.1	14.1	44.1		9.68	5.75	K 4.39	K 2.67	K 5.40	2.67	K 3.42	K 2.67	2.87	7.64
30.	63.8	58.1	31.5		9.24	5.40	K 4.06	K 2.67	K 7.25	3.74	K 3.12	K 3.42	2.51	6.48
31.		103	25.9		9.24		K 4.06		K 3.12	2.87		K 3.12		6.11

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	21.	23.	24.+	1.	26.+	7.+	22.+	15.+	5.+	6.+	1.+	25.	6.+
NQ	17.1	9.68	14.8	7.25	8.82	5.40	4.06	2.67	2.51	2.24	2.37	2.51	2.11	2.11
MQ	29.9	26.4	38.0	11.5	21.8	7.94	6.03	3.59	3.51	2.55	3.34	3.92	2.64	6.64
HQ	91.7	121	171	24.5	40.6	15.4	14.1	9.68	12.8	5.06	18.9	16.8	8.42	25.9
Tag	30.	31.	3.	1.	4.+	3.	20.+	6.+	30.	30.	12.	9.	5.	14.
h_N mm														
h_A mm	77	70	100	27	58	20	16	9	9	7	9	10	7	18
	1963/2002		1964/2003						40 Jahre					
Jahr	1983	1991	1973	1964	1976	1974	1998	1976	1976	1976	1964	1964	1983	1991
NQ	0.960	1.30	1.35	1.88	2.04	2.09	1.70	0.718	0.306	0.593	0.590	0.590	0.960	1.30
MNQ	4.86	5.84	6.42	7.60	7.97	8.19	4.26	3.69	3.13	2.70	2.86	3.22	4.87	5.83
MQ	10.4	16.6	18.0	16.4	21.4	15.7	8.71	7.37	5.95	5.27	5.42	7.31	10.1	16.7
MHQ	33.4	61.3	67.1	55.7	64.2	39.8	26.9	26.9	22.0	19.8	18.2	24.6	32.1	61.7
HQ	192	180	251	197	166	177	172	134	124	128	123	123	192	180
Jahr	1998	1993	1982	1980	1988	1988	1978	1965	1996	1970	1998	1998	1998	1993
Mh_N mm														
Mh_A mm	27	44	48	39	57	40	23	19	16	14	14	19	26	44

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	2.24	am 05.08.2003	5.40	2.24	2.11	am 25.11.2003
MQ m^3/s	13.2		22.8	3.83	9.32	
HQ m^3/s	171	am 03.01.2003	171	18.9	171	am 03.01.2003
Nq $l/(s km^2)$	2.21		5.33	2.21	2.08	
Mq $l/(s km^2)$	13.0		22.5	3.78	9.20	
Hq $l/(s km^2)$	169		169	18.7	169	
h_N mm						
h_A mm	411		352	60	290	
	1964/2003 (*) 40 Jahre				1964/2003	
NQ m^3/s	0.306	am 10.07.1976	0.960	0.306	0.306	am 10.07.1976
MNQ m^3/s	1.86		3.24	2.06	2.02	
MQ m^3/s	11.5		16.5	6.67	11.5	
MHQ m^3/s	122		115	51.5	120	
HQ m^3/s	251	am 05.01.1982	251	172	251	am 05.01.1982
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	1.84		3.20	2.03	1.99	
Mq $l/(s km^2)$	11.4		16.3	6.58	11.4	
MHq $l/(s km^2)$	120		114	50.8	118	
Mh_N mm						
Mh_A mm	358		255	105	358	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.306	0.302	10.07.1976	251	248		05.01.1982
2	0.590	0.582	30.09.1964+	212	209		23.01.1995
3	0.960	0.948	16.09.1991	197	194		06.02.1980
4	0.960	0.948	15.11.1983	192	190		01.11.1998
5	0.960	0.948	18.09.1973	182	180		07.02.1984
6	1.09	1.08	16.10.1979	180	178		22.12.1993
7	1.22	1.20	08.06.1975	177	175		01.04.1988
8	1.22	1.20	09.09.1974+	172	170		08.05.1978
9	1.30	1.28	08.12.1991	171	169		03.01.2003
10	1.35	1.33	22.10.1985+	166	164		26.03.1988

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1964/2003 40 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	155	155	222	109	20.9
363	103	102	219	90.7	19.8
362	102	95.3	140	80.6	17.1
361	95.3	71.0	131	73.0	15.9
360	78.2	59.5	130	67.6	14.3
359	71.0	55.3	116	61.4	13.3
358	63.8	46.2	115	57.8	13.2
357	59.5	44.1	100	54.6	12.5
356	58.1	42.7	99.0	52.3	12.2
350	45.5	36.4	81.1	40.9	11.5
340	37.8	28.7	62.6	31.2	10.2
330	34.0	22.4	54.4	25.6	8.44
320	29.9	19.6	46.2	22.0	7.71
300	23.2	13.5	34.0	17.2	6.36
270	17.1	9.24	23.1	12.8	5.37
240	12.2	8.03	18.1	9.97	4.26
210	9.24	6.11	15.2	8.03	3.57
183	7.64	4.72	13.2	6.73	3.07
150	5.40	3.74	10.9	5.56	1.97
130	4.39	3.42	10.2	4.81	1.65
120	3.74	3.12	9.82	4.55	1.55
110	3.74	3.12	9.46	4.32	1.48
100	3.42	2.87	8.78	4.02	1.40
90	3.42	2.87	8.44	3.78	1.34
80	3.12	2.87	8.10	3.52	1.23
70	2.87	2.67	7.44	3.32	1.22
60	2.87	2.67	6.80	3.09	1.17
50	2.87	2.67	6.48	2.86	0.970
40	2.67	2.67	6.39	2.67	0.970
30	2.67	2.51	6.12	2.49	0.876
25	2.67	2.51	5.85	2.27	0.774
20	2.67	2.51	5.58	2.19	0.710
15	2.51	2.51	5.58	1.96	0.636
10	2.51	2.37	5.31	1.72	0.476
9	2.51	2.37	5.04	1.64	0.461
8	2.51	2.37	5.04	1.57	0.433
7	2.51	2.37	4.79	1.50	0.411
6	2.51	2.37	4.79	1.43	0.395
5	2.51	2.37	4.79	1.33	0.385
4	2.51	2.37	4.76	1.26	0.349
3	2.51	2.24	4.76	1.14	0.338
2	2.37	2.24	4.54	0.971	0.328
1	2.37	2.24	4.54	0.718	0.309
0	2.24	2.11	4.04	0.306	0.306

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

Die Durchflußwerte beinhalten nicht die Umflut durch das ZPR (die um den Pegel geführte Menge entspricht der Pumpenleistung von ca. 0,56 cbm/s im Durchschnitt).

Durchflüsse vom 11.06.1976 bis 09.12.1977 ergänzt/korrigiert: [Q(Hof)+Q(Hölle)]*1,38 - 0,53

37 Tage Randeis, 6 Tage Treibeis/Eisgang, 162 Tage Verkrautung

A_{Eo} : 1665 km^2

PNP : NN + 230.07 m

Lage: 281.0 km oberhalb Mündung links

Q

m^3/s

Pegel : Kaulsdorf Nr. 570250

Gewässer : Saale

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	37.5	55.4	66.2	45.8	7.06	15.3	K 6.80	K 8.62	K 8.36	K 12.8	K 5.24	K 6.02	5.76	4.98
2.	35.0	83.2	73.0	45.8	7.06	8.62	K 8.62	K 8.62	K 8.36	K 12.2	K 5.24	K 5.50	5.50	4.98
3.	35.6	96.8	68.7	39.3	10.5	8.10	K 10.5	K 7.84	K 8.36	K 10.2	K 4.98	K 5.76	5.76	4.98
4.	38.1	99.4	93.4	43.1	6.02	7.06	K 10.5	K 6.80	K 8.62	K 9.66	K 4.72	K 5.50	6.02	4.98
5.	42.4	98.5	109	51.6	4.20	7.06	K 10.7	K 8.62	K 16.7	K 9.92	K 5.24	K 6.02	6.02	4.98
6.	47.2	81.5	120	52.4	13.0	7.06	K 10.5	K 6.80	K 16.7	K 9.92	K 7.32	K 5.76	5.76	5.24
7.	47.9	74.7	128	58.5	23.5	6.80	K 9.92	K 7.32	K 16.0	K 9.92	K 4.98	K 5.50	5.50	4.98
8.	48.6	74.7	132	56.1	25.0	6.80	K 8.62	K 11.9	K 8.36	K 9.92	K 5.24	K 5.24	5.24	5.50
9.	47.2	45.8	130	42.4	25.0	6.80	K 9.66	K 7.06	K 8.36	K 9.92	K 5.24	K 7.58	5.24	5.76
10.	45.8	30.5	129	25.0	25.0	7.06	K 10.5	K 7.32	K 8.36	K 9.92	K 4.98	K 8.88	5.24	5.76
11.	40.6	18.5	127	15.1	27.5	6.80	K 10.5	K 7.06	K 11.6	K 9.92	K 5.24	K 7.06	5.50	5.76
12.	49.4	11.1	127	17.4	30.0	6.80	K 10.5	K 9.14	K 8.36	K 9.14	K 5.24	K 5.50	5.50	5.50
13.	53.1	11.8	108	20.1	30.0	6.80	K 7.06	K 6.80	K 8.36	K 8.62	K 5.24	K 5.76	5.24	5.76
14.	52.4	15.3	90.0	20.1	27.5	6.80	K 6.80	K 6.54	K 10.5	K 8.62	K 4.98	K 5.50	5.50	6.02
15.	53.1	15.3	60.2	20.5	25.0	6.80	K 6.80	K 6.54	K 12.2	K 8.88	K 4.98	K 5.50	5.24	5.50
16.	52.4	15.3	34.4	20.5	25.0	6.80	K 8.88	K 6.54	K 12.2	K 9.66	K 5.24	K 5.50	5.24	5.76
17.	53.1	15.3	17.0	17.0	21.7	7.06	K 10.2	K 6.54	K 11.9	K 8.88	K 4.98	K 5.50	5.24	6.02
18.	31.6	15.3	10.7	12.8	17.0	7.06	K 10.2	K 6.54	K 9.92	K 8.62	K 5.24	K 5.50	5.24	5.76
19.	15.3	15.3	10.7	10.2	15.1	6.80	K 10.5	K 6.54	K 9.14	K 9.14	K 6.02	K 5.76	5.24	6.02
20.	45.1	15.3	10.7	7.06	13.3	6.80	K 10.5	K 6.28	K 8.88	K 8.88	K 7.06	K 5.76	4.98	6.02
21.	51.6	15.3	10.7	7.06	9.14	6.80	K 10.5	K 6.28	K 8.88	K 8.62	K 7.06	K 5.50	4.98	5.76
22.	52.4	15.3	10.7	7.06	7.06	7.06	K 10.2	K 6.28	K 8.88	K 8.62	K 7.06	K 5.76	4.98	5.76
23.	52.4	21.3	11.0	7.06	7.06	7.06	K 9.14	K 6.28	K 8.62	K 8.10	K 7.58	K 6.02	4.98	5.76
24.	53.9	30.0	15.6	7.06	7.06	7.06	K 9.14	K 6.28	K 8.88	K 8.10	K 6.54	K 5.76	4.98	6.02
25.	52.4	30.0	22.2	7.06	7.06	7.06	K 12.5	K 7.06	K 9.40	K 7.06	K 6.28	K 5.76	4.98	6.02
26.	51.6	30.0	24.5	7.06	7.32	6.80	K 8.36	K 7.58	K 9.92	K 5.50	K 6.28	K 6.02	4.98	6.02
27.	52.4	26.5	24.5	7.06	7.32	6.80	K 5.50	K 9.14	K 9.92	K 4.98	K 6.28	K 6.02	4.98	6.02
28.	39.9	20.1	33.8	7.06	12.8	6.80	K 6.28	K 16.7	K 10.7	K 5.24	K 6.28	K 6.02	5.24	6.02
29.	20.5	27.5	44.4		20.1	6.54	K 8.62	K 10.2	K 12.5	K 5.24	K 6.28	K 6.28	5.24	6.02
30.	34.4	42.4	45.1		20.1	6.54	K 8.62	K 8.36	K 12.8	K 5.24	K 6.28	K 6.02	5.50	6.02
31.		66.2	45.8		20.5		K 8.62		K 12.8	K 5.50		K 6.02		6.02

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	19.	12.	18.+	20.+	5.	29.+	27.	20.+	1.+	27.	4.	8.	20.+	1.+
NQ	15.3	11.1	10.7	7.06	4.20	6.54	5.50	6.28	8.36	4.98	4.72	5.24	4.98	4.98
MQ	44.4	39.1	62.4	24.2	16.3	7.26	9.22	7.79	10.5	8.61	5.78	5.94	5.33	5.67
HQ	64.5	103	138	62.8	39.3	94.2	18.5	20.1	17.0	13.0	11.9	9.14	7.32	6.80
Tag	24.	3.	12.	7.+	12.	3.	25.	8.	5.+	1.+	6.	10.	4.	18.
h_N mm														
h_A mm	69	63	100	35	26	11	15	12	17	14	9	10	8	9

	1954/2002		1955/2003						49 Jahre					
Jahr	1964	1982	1965	1965	1977	1977+	1977+	1977	1979	1977	1984	1982	1964	1982
NQ	0.380	0.000	0.500	0.440	0.000	0.000	0.000	1.10	1.98	0.700	1.10	1.43	0.380	0.000
MNQ	7.75	7.37	8.63	9.66	8.78	7.95	6.74	7.50	7.36	7.13	7.35	7.62	7.59	7.21
MQ	15.4	19.3	22.2	21.4	22.6	21.4	13.8	14.1	12.3	11.6	11.7	13.2	15.2	19.1
MHQ	33.3	43.0	46.8	43.3	46.4	46.3	34.3	32.2	26.3	23.0	26.2	31.0	33.0	42.4
HQ	125	141	138	117	121	152	110	91.0	120	85.0	75.1	141	125	141
Jahr	1998	1974	1982+	1980	1987	1988	1970	1965	1958	1970	1970	1970	1998	1974
Mh_N mm														
Mh_A mm	24	31	36	31	36	33	22	22	20	19	18	21	24	31

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	4.20	am 05.03.2003	4.20	4.72	4.20	am 05.03.2003
MQ	m^3/s	20.1		32.5	7.98	14.1	
HQ	m^3/s	138	am 12.01.2003	138	20.1	138	am 12.01.2003
Nq	$l/(s km^2)$	2.52		2.52	2.83	2.52	
Mq	$l/(s km^2)$	12.1		19.5	4.79	8.47	
Hq	$l/(s km^2)$	82.9		82.9	12.1	82.9	
h_N	mm						
h_A	mm	381		305	76	267	
		1955/2003 (*) 49 Jahre				1955/2003	
NQ	m^3/s	0.000	am 14.04.1994	0.000	0.000	0.000	am 14.04.1994
MNQ	m^3/s	3.29		3.98	4.82	3.27	
MQ	m^3/s	16.5		20.4	12.8	16.5	
MHQ	m^3/s	85.2		76.5	51.6	86.9	
HQ	m^3/s	152	am 06.04.1988	152	141	152	am 06.04.1988
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	1.98		2.39	2.89	1.96	
Mq	$l/(s km^2)$	9.91		12.3	7.69	9.91	
MHq	$l/(s km^2)$	51.2		45.9	31.0	52.2	
Mh_N	mm						
Mh_A	mm	313		192	122	313	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.000		14.04.1994	152	91.3		06.04.1988
2	0.000		11.04.1984+	141	84.7		16.12.1974
3	0.000		01.04.1984+	141	84.7		01.10.1970
4	0.000		17.12.1982+	138	82.9		12.01.2003
5	0.000		01.04.1977+	138	82.9		11.01.1982+
6	0.000		16.03.1977+	130	78.1		29.12.1966
7	0.230	0.138	08.04.1972	128	76.9		29.12.1993
8	0.230	0.138	14.04.1964+	125	75.1		03.11.1998
9	0.330	0.198	04.05.1973+	121	72.7		06.03.1987
10	0.380	0.228	20.11.1964+	120	72.1		07.07.1958

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1955/2003 49 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	132	132	147	106	19.0
363	130	130	147	95.5	17.0
362	129	129	131	90.0	16.0
361	128	128	130	84.9	14.2
360	128	128	128	80.0	13.8
359	128	128	128	76.2	13.8
358	120	120	120	71.2	13.8
357	109	109	115	68.0	13.7
356	108	108	115	63.8	13.7
350	83.2	60.2	110	50.8	11.1
340	56.1	43.1	81.7	40.1	9.28
330	53.1	27.5	77.3	32.6	8.48
320	47.9	21.7	69.0	30.6	7.70
300	35.0	13.0	50.5	25.0	7.70
270	20.5	10.7	35.0	18.2	7.46
240	13.0	9.40	28.8	15.2	7.21
210	10.7	8.62	23.3	13.2	6.97
183	9.40	7.32	20.5	11.5	5.82
150	8.62	7.06	18.5	9.91	5.60
130	7.32	6.80	17.5	9.07	5.54
120	7.32	6.54	17.5	8.70	5.38
110	7.32	6.28	17.0	8.20	5.31
100	7.32	6.28	16.5	7.90	5.31
90	7.06	6.02	16.5	7.51	5.31
80	7.06	6.02	15.6	7.15	4.74
70	6.80	5.76	15.6	6.50	3.82
60	6.54	5.76	13.1	6.04	1.88
50	6.28	5.76	12.4	5.58	1.61
40	6.02	5.50	11.8	5.37	1.43
30	5.76	5.50	11.0	5.22	1.10
25	5.76	5.50	11.0	5.16	0.700
20	5.50	5.24	11.0	4.95	0.620
15	5.50	5.24	10.6	4.74	0.280
10	5.50	5.24	10.2	3.70	0.040
9	5.50	5.24	9.91	3.25	0.040
8	5.24	5.24	9.91	3.00	0.040
7	5.24	5.24	9.91	2.66	0.040
6	5.24	5.24	9.40	2.05	0.040
5	5.24	5.24	9.00	1.61	0.040
4	5.24	5.24	9.00	1.41	0.040
3	5.24	5.24	8.00	1.31	0.040
2	5.24	5.24	8.00	0.550	0.040
1	4.72	4.72	8.00	0.040	0.040
0	4.20	4.20	7.44	0.000	0.000

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch TS-Steuerung
184 Tage Verkrautung

A_{Eo} : 2678 km²
PNP : NN + 190.19 m
Lage: 258.0 km oberhalb Mündung rechts

Q

m³/s

Pegel : Rudolstadt Nr. 570270
Gewässer : Saale
Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	51.4	128	131	61.9	13.6	23.5	9.60	K 11.6	K 9.60	K 15.6	K 5.70	K 6.00	7.20	7.60
2.	51.4	141	162	60.9	14.6	16.8	10.1	K 10.6	K 9.20	K 15.1	K 6.00	K 5.70	6.80	7.20
3.	53.2	145	257	55.9	20.4	16.8	12.6	K 10.1	K 9.20	K 13.1	K 6.00	K 5.40	6.80	7.20
4.	58.9	142	235	55.0	22.8	12.6	12.6	K 8.40	K 9.20	K 11.1	K 5.70	K 6.00	7.20	7.20
5.	64.0	137	213	62.9	20.4	12.6	12.6	K 10.1	K 16.8	K 11.1	K 5.70	K 6.40	7.60	7.60
6.	70.6	114	197	62.9	29.1	12.1	12.1	K 9.20	K 18.0	K 11.1	K 7.60	K 6.40	7.20	7.60
7.	68.4	99.0	192	68.4	42.4	12.1	12.1	K 8.40	K 18.6	K 11.1	K 5.70	K 7.60	7.20	7.60
8.	67.3	96.2	181	67.3	43.3	12.1	10.1	K 12.6	K 11.1	K 10.6	K 5.70	K 8.00	7.20	7.20
9.	73.9	69.5	171	55.0	43.3	11.6	14.1	K 8.00	K 9.20	K 11.1	K 5.70	K 10.1	6.80	7.20
10.	76.2	45.1	167	38.4	43.3	11.6	15.6	K 8.00	K 9.20	K 11.1	K 5.70	K 10.6	6.80	7.20
11.	71.7	32.8	165	24.2	44.2	11.6	14.1	K 7.60	K 11.6	K 11.1	K 6.80	K 9.20	7.20	8.00
12.	79.9	25.6	162	26.3	51.4	11.6	13.6	K 9.60	K 8.80	K 11.1	K 9.60	K 7.20	7.20	7.60
13.	83.8	24.2	144	27.7	51.4	11.1	11.1	K 8.00	K 8.80	K 10.1	K 7.60	K 7.20	7.20	8.00
14.	79.9	26.3	120	27.0	47.8	11.1	10.1	K 7.60	K 10.1	K 9.60	K 6.40	K 6.40	7.20	14.6
15.	76.2	26.3	87.8	27.7	43.3	10.6	9.60	K 6.80	K 13.1	K 9.60	K 6.40	K 6.40	6.80	15.1
16.	72.8	26.3	55.9	28.4	41.6	10.1	12.1	K 7.20	K 13.1	K 10.6	K 6.40	K 6.40	6.80	13.6
17.	70.6	26.3	36.0	26.3	39.2	10.1	13.6	K 7.20	K 13.1	K 9.20	K 6.00	K 6.40	7.20	13.1
18.	58.9	25.6	21.0	19.8	32.8	10.6	13.6	K 7.60	K 11.6	K 9.60	K 6.00	K 6.00	7.20	12.6
19.	27.7	24.9	21.0	18.0	29.1	11.1	15.6	K 7.60	K 9.60	K 9.60	K 6.00	K 6.00	7.20	12.1
20.	58.9	24.9	21.0	13.6	27.0	11.6	15.6	K 7.20	K 9.60	K 9.60	K 7.60	K 6.00	7.20	11.6
21.	67.3	24.9	21.0	13.6	21.6	11.1	15.1	K 7.20	K 9.20	K 9.20	K 7.60	K 6.40	7.20	14.6
22.	69.5	24.9	7.60	13.1	18.0	11.1	14.6	K 7.20	K 9.20	K 9.20	K 7.60	K 6.80	6.80	17.4
23.	71.7	34.4	7.60	13.1	17.4	10.6	14.1	K 7.20	K 9.60	K 8.40	K 8.80	K 7.20	6.80	16.8
24.	68.4	43.3	15.1	13.1	16.2	10.6	12.6	K 8.00	K 11.1	K 8.00	K 7.60	K 7.20	7.20	15.6
25.	67.3	42.4	22.8	12.6	16.2	10.1	16.8	K 8.00	K 11.1	K 7.60	K 6.80	K 7.20	7.20	14.6
26.	67.3	42.4	21.0	12.6	15.1	9.60	12.1	K 8.40	K 11.6	K 5.40	K 6.40	K 7.20	6.80	14.1
27.	66.2	40.8	22.8	12.6	14.6	9.60	9.60	K 8.40	K 12.1	K 4.90	K 6.40	K 7.20	6.80	13.6
28.	54.1	32.0	48.7	12.6	17.4	10.1	8.80	K 17.4	K 16.2	K 4.90	K 6.80	K 6.80	7.60	13.1
29.	41.6	38.4	62.9		27.0	9.60	11.6	K 12.1	K 16.8	K 5.70	K 7.20	K 7.20	9.20	12.1
30.	77.4	66.2	64.0		27.0	9.60	11.1	K 8.40	K 16.8	K 5.70	K 6.80	K 7.20	8.00	11.6
31.		130	62.9		27.0		11.6		K 15.6	K 5.70		K 7.20		11.1

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	19.	13.	22.+	25.+	1.	26.+	28.	15.	12.+	27.+	1.+	3.	2.+	2.+
NQ	27.7	24.2	7.60	12.6	13.6	9.60	8.80	6.80	8.80	4.90	5.70	5.40	6.80	7.20
MQ	65.6	61.3	99.9	33.2	29.6	11.8	12.5	8.86	11.9	9.54	6.68	7.00	7.19	11.1
HQ	112	149	275	73.9	55.9	34.4	21.0	21.0	19.2	16.8	12.6	13.1	15.1	19.8
Tag	30.	1.	3.	7.	12.	3.	25.	8.	7.+	14.	6.+	9.	13.	22.
h_N mm														
h_A mm	63	61	100	30	30	11	13	9	12	10	6	7	7	11
	1942/2002		1943/2003 57 Jahre											
Jahr	1967	1997	1963	1954	1972	1963	1998	1947	1947	2003	1999	2003	1967	1997
NQ	4.04	6.40	5.20	5.14	6.84	6.88	5.70	3.20	5.40	4.90	4.90	5.40	4.04	6.40
MNQ	13.4	15.2	16.6	19.5	20.4	18.9	12.9	11.9	10.9	10.4	10.8	11.3	13.1	14.8
MQ	22.7	31.2	35.2	35.1	38.7	36.1	21.8	21.7	18.3	16.6	16.7	18.5	22.4	31.1
MHQ	42.1	62.4	73.7	68.8	73.8	69.4	43.3	44.2	37.2	32.8	32.6	37.6	41.9	62.8
HQ	224	175	275	315	179	363	137	121	212	174	81.2	161	224	175
Jahr	1998	1993	2003	1946	2002	1994	1969	1965	1958	1981	1998	1998	1998	1993
Mh_N mm														
Mh_A mm	22	31	35	32	39	35	22	21	18	17	16	19	22	31

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m³/s	4.90	am 27.08.2003	7.60	4.90	4.90	am 27.08.2003
MQ	m³/s	29.9		50.6	9.44	20.8	
HQ	m³/s	275	am 03.01.2003	275	21.0	275	am 03.01.2003
Nq	l/(skm²)	1.83		2.84	1.83	1.83	
Mq	l/(skm²)	11.2		18.9	3.53	7.77	
Hq	l/(skm²)	103		103	7.84	103	
h_N	mm						
h_A	mm	352		295	56	245	
		1943/2003 (*) 59 Jahre				1943/2003	
NQ	m³/s	3.20	am 28.06.1947	4.04	3.20	3.20	am 28.06.1947
MNQ	m³/s	7.50		10.3	7.98	7.51	
MQ	m³/s	26.0		33.1	19.1	26.0	
MHQ	m³/s	131		121	69.0	136	
HQ	m³/s	363	am 13.04.1994	363	212	363	am 13.04.1994
HQ_1	m³/s						
HQ_5	m³/s						
MNq	l/(skm²)	2.80		3.85	2.98	2.80	
Mq	l/(skm²)	9.71		12.4	7.13	9.71	
MHq	l/(skm²)	48.9		45.2	25.8	50.8	
Mh_N	mm						
Mh_A	mm	306		193	113	306	

Extremwerte

	Niedrigwasser m³/s	l/(skm²)	Datum	Hochwasser m³/s	l/(skm²)	cm	Datum
1	3.20	1.19	28.06.1947	363	136		13.04.1994
2	4.04	1.51	25.11.1967+	315	118		09.02.1946
3	4.90	1.83	27.08.2003+	275	103		03.01.2003
4	4.90	1.83	16.09.1999+	229	85.5		27.02.2002
5	5.14	1.92	21.02.1954	224	83.6		01.11.1998
6	5.20	1.94	15.01.1963	221	82.5		02.04.1988
7	5.40	2.02	08.06.1998+	212	79.2		06.01.1982
8	5.40	2.02	23.07.1947+	212	79.2		07.07.1958
9	5.40	2.02	09.08.1946	205	76.5		28.01.2002
10	5.51	2.06	30.09.1997	184	68.7		06.01.1994

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m³/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1943/2003 57 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	257	257	546	156	30.3
363	235	235	235	142	26.7
362	213	213	220	131	25.1
361	197	197	197	125	22.2
360	192	192	192	117	22.2
359	181	181	181	111	22.2
358	171	171	171	105	20.7
357	167	167	167	99.5	20.7
356	165	165	165	94.8	20.7
350	141	87.8	139	73.1	18.7
340	83.8	60.9	127	61.0	18.5
330	71.7	44.2	112	52.9	17.4
320	68.4	32.8	89.1	46.4	16.7
300	53.2	21.6	69.5	38.4	15.9
270	28.4	15.6	57.9	29.8	14.1
240	21.6	13.6	42.4	24.1	13.0
210	15.6	12.1	36.8	20.4	11.6
183	13.1	11.1	33.5	18.0	9.60
150	11.6	10.1	26.8	16.1	8.80
130	10.6	9.20	25.4	14.9	8.00
120	10.1	8.40	24.7	14.3	8.00
110	10.1	8.00	24.0	13.7	7.60
100	9.60	8.00	23.3	13.1	7.60
90	9.20	7.60	23.3	12.4	7.48
80	8.40	7.60	22.6	11.9	7.13
70	8.00	7.60	21.9	11.5	7.13
60	7.60	7.60	21.2	10.9	6.80
50	7.60	7.20	20.5	10.3	6.79
40	7.20	7.20	19.9	9.57	6.79
30	6.80	6.80	18.6	8.94	6.40
25	6.80	6.80	18.6	8.57	6.40
20	6.40	6.40	17.9	8.11	6.00
15	6.40	6.40	17.9	7.66	5.70
10	6.00	6.00	17.3	7.24	5.40
9	6.00	6.00	16.7	7.16	5.40
8	6.00	6.00	16.7	6.90	5.40
7	6.00	6.00	16.1	6.82	5.40
6	6.00	6.00	16.1	6.82	5.40
5	6.00	6.00	16.1	6.50	5.00
4	6.00	6.00	15.1	6.41	5.00
3	5.70	5.70	15.1	6.16	5.00
2	5.70	5.70	14.5	6.00	4.32
1	5.40	5.40	14.5	5.72	4.30
0	4.90	4.90	14.2	3.20	3.20

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1945 ,1951-1952; AJ 1945 ,1952;
Beeinflussung durch TS-Steuerung
153 Tage Verkrautung

A_{Eo} : 3977 km²
PNP : NN + 118.61 m
Lage: 187.0 km oberhalb Mündung links

Q
m³/s

Pegel : Camburg-Stöben Nr. 570330
Gewässer : Saale
Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	56.3	141	141	76.1	20.8	36.8	13.7	17.5	K 12.8	K 16.4	K 9.40	K 10.7	10.4	11.8
2.	53.5	149	150	75.5	23.6	28.8	13.9	14.5	K 13.1	K 15.8	K 9.40	K 10.7	10.2	11.2
3.	59.7	147	189	74.9	28.8	24.2	15.3	14.2	K 12.6	K 14.5	K 9.40	K 10.4	9.65	10.7
4.	64.1	148	217	68.1	41.9	25.4	16.9	13.7	K 12.3	K 13.1	K 8.70	K 11.0	10.4	10.4
5.	66.4	143	222	76.7	35.0	19.7	18.0	13.4	K 13.7	K 12.6	K 8.70	K 11.8	10.4	10.7
6.	70.3	136	205	77.8	36.8	18.6	18.0	19.7	K 21.4	K 12.3	K 8.93	K 11.8	10.4	10.7
7.	71.4	114	194	79.5	48.7	17.5	17.5	13.4	K 21.4	K 12.0	K 9.65	K 11.2	10.2	10.4
8.	70.3	107	185	85.2	57.3	17.5	16.4	13.4	K 18.6	K 12.3	K 9.40	K 13.1	10.2	10.2
9.	72.0	104	175	77.8	56.7	16.9	18.0	16.9	K 12.6	K 12.3	K 8.93	K 13.4	10.2	10.4
10.	78.2	63.6	169	63.5	56.1	16.9	25.9	13.4	K 12.0	K 12.0	K 9.16	K 14.2	9.90	10.4
11.	78.2	52.4	166	45.3	55.6	16.9	21.9	12.6	K 12.0	K 11.8	K 11.2	K 13.9	10.2	10.4
12.	80.5	36.8	162	38.5	62.4	16.9	20.8	12.3	K 13.4	K 12.0	K 16.4	K 12.3	9.90	10.7
13.	85.2	30.2	159	41.3	65.3	16.4	21.4	15.3	K 11.8	K 11.5	K 11.8	K 11.2	9.90	10.7
14.	84.6	32.4	138	40.7	63.5	15.3	17.5	13.1	K 11.5	K 11.0	K 10.7	K 11.0	9.90	12.3
15.	81.7	33.0	123	40.2	58.4	14.9	16.4	12.3	K 13.4	K 11.2	K 9.40	K 10.7	9.90	17.5
16.	78.2	31.9	90.9	40.2	55.6	14.9	14.9	12.6	K 13.9	K 11.5	K 9.65	K 11.0	9.65	15.3
17.	74.8	31.9	68.1	40.2	54.4	14.5	18.0	12.8	K 14.5	K 12.0	K 9.40	K 10.2	10.7	14.9
18.	72.5	30.8	45.9	33.9	48.7	14.2	19.1	13.1	K 14.5	K 11.5	K 9.40	K 10.4	10.4	14.2
19.	47.9	31.3	40.2	30.5	42.5	15.3	21.9	13.1	K 12.6	K 11.5	K 8.93	K 10.2	10.4	13.7
20.	59.7	30.8	37.3	25.9	40.7	21.4	23.6	12.3	K 11.8	K 11.8	K 9.40	K 10.4	10.2	13.1
21.	73.1	30.8	36.2	22.5	35.0	17.5	21.9	12.3	K 12.3	K 11.8	K 10.2	K 10.4	10.2	13.1
22.	76.5	30.8	35.6	20.2	28.8	14.5	20.2	11.5	K 12.3	K 11.2	K 10.2	K 10.2	10.4	18.6
23.	82.8	53.5	35.0	19.7	25.9	14.5	20.2	11.5	K 14.2	K 11.0	K 9.90	K 10.2	10.2	18.0
24.	79.3	54.6	38.5	19.1	24.8	14.2	17.5	12.0	K 13.1	K 10.7	K 10.7	K 9.90	10.2	16.9
25.	77.6	57.4	49.3	18.6	24.2	14.2	19.7	12.0	K 12.8	K 10.7	K 9.90	K 9.90	10.2	16.4
26.	75.3	54.6	49.3	18.0	23.1	14.2	20.2	12.0	K 12.3	K 9.90	K 9.65	K 9.90	10.2	14.9
27.	73.7	55.7	52.1	18.6	23.1	13.7	16.4	12.3	K 13.4	K 8.93	K 9.16	K 9.90	10.2	14.9
28.	69.7	49.6	56.7	20.2	23.1	13.9	13.4	13.7	K 20.8	K 8.70	K 9.40	K 10.2	11.0	14.5
29.	60.2	44.5	77.2		32.8	14.2	13.4	20.2	K 19.1	K 9.16	K 12.0	K 10.2	13.7	13.9
30.	82.8	75.3	80.1		37.3	13.9	14.9	12.3	K 18.6	K 9.40	K 11.5	K 11.0	12.6	13.4
31.		125	78.4		37.3		14.9		K 16.4	K 9.65		K 10.7		12.8

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	19.	13.	23.	26.	1.	27.	28.+	22.+	14.	28.	4.+	24.+	3.+	8.
NQ	47.9	30.2	35.0	18.0	20.8	13.7	13.4	11.5	11.5	8.70	8.70	9.90	9.65	10.2
MQ	71.9	71.8	112	46.0	40.9	17.6	18.1	13.6	14.4	11.6	10.0	11.0	10.4	13.1
HQ	131	157	227	85.8	67.0	37.9	31.6	27.1	28.8	19.1	20.8	16.4	15.3	21.4
Tag	30.	2.	4.+	8.+	13.	1.+	10.	6.	28.	1.	12.	11.	29.	15.+
h_N mm														
h_A mm	47	48	75	28	28	11	12	9	10	8	7	7	7	9
	1931/2002		1932/2003						72 Jahre					
Jahr	1947	1947	1964	1963	1949	1949	1949	1934	1934	1949	1947	1949	1947	1947
NQ	6.50	6.08	6.84	8.00	8.18	9.10	8.60	6.60	5.40	6.50	5.55	6.08	6.50	6.08
MNQ	18.7	19.3	21.5	24.5	26.9	24.6	17.9	16.4	15.2	14.0	14.2	14.7	18.7	19.3
MQ	29.2	35.4	40.0	39.8	46.3	43.4	28.5	27.1	23.3	21.0	20.9	22.6	29.0	35.3
MHQ	50.8	65.8	77.6	70.3	81.7	76.6	53.2	54.6	46.3	38.6	36.8	41.4	50.6	65.6
HQ	258	299	227	273	193	282	235	274	236	173	141	162	258	299
Jahr	1940	1939	2003	1946	2002	1994	1941	1941	1958	1981	1939	1998	1940	1939
Mh_N mm														
Mh_A mm	19	24	27	24	31	28	19	18	16	14	14	15	19	24

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m³/s	8.70	am 28.08.2003	13.7	8.70	8.70	am 28.08.2003
MQ	m³/s	36.6		60.4	13.1	26.5	
HQ	m³/s	227	am 04.01.2003	227	31.6	227	am 04.01.2003
Nq	l/(skm²)	2.19		3.44	2.19	2.19	
Mq	l/(skm²)	9.20		15.2	3.29	6.66	
Hq	l/(skm²)	57.1		57.1	7.95	57.1	
h_N	mm						
h_A	mm	290		238	52	210	
		1932/2003 (*) 72 Jahre				1932/2003	
NQ	m³/s	5.40	am 08.07.1934	6.08	5.40	5.40	am 08.07.1934
MNQ	m³/s	10.8		14.3	11.5	11.0	
MQ	m³/s	31.4		39.0	23.9	31.4	
MHQ	m³/s	139		128	83.9	142	
HQ	m³/s	299	am 03.12.1939	299	274	299	am 03.12.1939
HQ_1	m³/s						
HQ_5	m³/s						
MNq	l/(skm²)	2.72		3.60	2.89	2.77	
Mq	l/(skm²)	7.90		9.81	6.01	7.90	
MHq	l/(skm²)	35.0		32.2	21.1	35.7	
Mh_N	mm						
Mh_A	mm	249		153	96	249	

Extremwerte

	Niedrigwasser m³/s	l/(skm²)	Datum	Hochwasser m³/s	l/(skm²)	cm	Datum
1	5.40	1.36	08.07.1934	299	75.2		03.12.1939
2	5.55	1.40	16.09.1947	282	70.9		14.04.1994
3	5.80	1.46	14.07.1935+	274	68.9		01.06.1941
4	6.08	1.53	23.09.1949+	273	68.6		10.02.1946
5	6.50	1.63	07.08.1949	258	64.9		06.11.1940
6	6.60	1.66	10.09.1933	248	62.4		30.11.1939
7	6.84	1.72	12.01.1964	236	59.3		08.07.1958+
8	7.00	1.76	16.08.1998+	235	59.1		31.05.1941
9	7.20	1.81	01.06.1963+	227	57.1		04.01.2003+
10	7.25	1.82	04.11.1951	205	51.5		03.04.1988+

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1932/2003 72 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	222	222	291	168	29.8
363	217	217	276	154	29.8
362	205	205	276	145	29.8
361	194	194	276	137	25.4
360	189	189	221	129	25.2
359	185	185	218	123	25.2
358	175	175	191	117	25.2
357	169	169	181	112	24.6
356	166	166	175	107	24.6
350	147	123	164	86.1	23.6
340	104	76.1	139	70.9	22.8
330	79.5	57.3	128	61.5	22.7
320	76.7	49.3	113	54.5	22.7
300	64.1	36.2	93.8	44.9	19.6
270	47.9	21.9	78.4	35.6	17.2
240	32.4	18.0	70.4	29.7	16.0
210	21.9	15.3	64.1	25.7	14.3
183	18.6	14.2	59.2	23.0	13.0
150	14.9	12.8	51.6	20.3	10.8
130	13.9	12.6	47.1	18.9	9.70
120	13.7	12.3	43.7	18.3	9.70
110	13.1	12.0	42.0	17.7	9.70
100	12.6	11.5	39.8	17.0	9.40
90	12.6	11.2	38.7	16.4	9.10
80	12.3	11.0	36.1	15.8	9.10
70	12.0	10.7	34.0	15.0	8.85
60	11.5	10.7	33.0	14.5	8.50
50	11.0	10.4	31.0	13.7	8.50
40	10.7	10.4	29.5	13.0	8.20
30	10.2	10.2	28.1	12.3	7.80
25	10.2	9.90	27.7	11.7	7.80
20	9.90	9.90	25.7	11.3	7.50
15	9.65	9.65	23.9	10.8	7.34
10	9.65	9.65	23.0	9.92	7.20
9	9.40	9.40	23.0	9.72	6.92
8	9.40	9.40	22.1	9.51	6.92
7	9.40	9.40	22.1	9.44	6.92
6	9.16	9.16	22.0	9.16	6.90
5	9.16	9.16	21.6	8.90	6.90
4	9.16	9.16	21.5	8.75	6.90
3	9.16	9.16	21.2	8.38	6.60
2	8.93	8.93	21.2	7.92	6.50
1	8.93	8.93	19.4	7.50	6.08
0	8.70	8.70	19.0	5.40	5.40

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch TS-Steuerung
123 Tage Verkrautung

A_{Eo} : 158 km^2

PNP : NN + 395.65 m

Lage: 11.7 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Möschlitz Nr. 571700

Gewässer : Wisenta

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.34	17.5	11.6	3.24	R 1.45	0.570	K 0.307	K 0.095	1.01	0.263	0.114	K 0.351	0.307	0.175
2.	1.45	11.8	10.8	2.40	3.50	0.470	K 0.351	K 0.080	0.790	0.219	0.095	K 0.351	0.263	0.175
3.	4.15	6.49	16.2	2.16	6.10	0.470	K 0.219	K 0.114	1.34	0.175	0.080	K 0.351	0.219	0.139
4.	6.88	5.32	12.7	2.28	6.88	0.680	K 0.219	K 0.139	0.900	0.175	0.080	K 0.307	0.219	0.139
5.	5.06	4.67	8.44	1.68	5.19	0.680	K 0.219	K 0.351	0.680	0.175	0.080	K 0.351	0.175	0.139
6.	3.63	3.89	5.84	1.56	4.41	0.570	K 0.175	K 0.790	1.23	0.139	0.080	K 0.263	0.139	0.175
7.	3.00	3.00	4.15	1.45	3.76	0.570	K 0.175	K 0.263	0.790	0.139	0.080	K 0.395	0.175	0.175
8.	2.52	1.80	R 2.52	R 1.34	3.24	0.570	K 0.175	K 0.219	0.395	0.175	0.080	K 0.351	0.175	0.175
9.	3.89	R 1.68	R 2.16	R 0.900	3.12	0.570	K 0.395	K 0.175	0.570	0.114	0.080	K 0.570	0.175	0.139
10.	5.45	R 1.45	R 1.80	R 0.790	2.16	0.570	K 0.570	K 0.139	0.470	0.114	0.095	K 0.351	0.175	0.114
11.	7.53	R 1.34	R 1.34	R 0.790	1.56	0.570	K 0.351	K 0.139	0.395	0.114	0.395	K 0.470	0.219	0.114
12.	7.66	R 1.23	R 1.12	R 0.680	1.56	0.470	K 0.263	K 0.114	0.395	0.114	0.790	K 0.263	0.219	0.114
13.	5.45	T 1.12	R 1.45	R 0.680	2.28	0.307	K 0.175	K 0.114	0.395	0.114	0.307	K 0.307	0.263	0.219
14.	3.89	R 0.900	R 1.45	R 0.680	2.04	0.307	K 0.139	K 0.095	0.395	0.114	0.219	K 0.307	0.263	0.395
15.	2.64	R 0.900	R 1.56	R 0.570	1.23	0.307	K 0.139	K 0.095	0.395	0.114	0.219	K 0.351	0.263	0.307
16.	2.88	0.900	1.45	R 0.570	1.01	0.307	K 0.219	K 0.095	0.470	0.114	0.219	K 0.570	0.114	0.219
17.	2.40	0.900	1.23	R 0.570	1.01	0.307	K 0.307	K 0.095	0.900	0.114	0.175	K 0.570	0.263	0.263
18.	1.80	0.900	1.01	R 0.470	0.790	0.307	K 0.307	K 0.095	0.790	0.114	0.175	K 0.900	0.219	0.219
19.	4.67	0.680	1.34	R 0.470	0.570	0.395	K 0.307	K 0.080	0.351	0.114	0.139	K 0.470	0.175	0.219
20.	10.7	0.570	1.23	R 0.470	0.680	1.01	K 0.263	K 0.175	0.470	0.114	0.139	K 0.570	0.114	0.175
21.	5.32	0.570	1.12	R 0.470	0.790	1.56	K 0.175	K 0.219	0.570	0.114	0.139	K 0.470	0.139	0.395
22.	4.67	0.680	1.23	R 0.470	0.680	1.01	K 0.139	K 0.219	0.900	0.114	0.139	K 0.351	0.263	0.470
23.	5.71	4.41	1.34	R 0.470	0.395	0.570	K 0.114	K 0.395	0.395	0.114	0.219	K 0.263	0.175	0.395
24.	5.45	4.15	3.63	R 0.470	0.351	0.395	K 0.095	K 0.219	0.351	0.114	0.175	K 0.351	0.139	0.900
25.	4.02	1.68	4.54	D 0.470	0.395	0.395	K 0.095	K 0.114	0.307	0.114	0.139	K 0.351	0.114	0.790
26.	3.50	1.01	1.45	D 0.470	0.900	0.307	K 0.095	K 0.175	0.263	0.114	0.139	K 0.263	0.114	0.790
27.	2.88	1.23	1.92	T 0.470	1.23	0.263	K 0.114	K 0.263	0.263	0.095	0.139	K 0.263	0.219	0.790
28.	2.04	1.68	5.58	R 0.470	1.01	0.307	K 0.114	K 0.307	0.900	0.139	0.263	K 0.263	0.219	0.900
29.	1.56	2.04	7.27		0.790	0.351	K 0.139	K 0.395	0.790	0.175	0.351	K 0.307	0.395	0.900
30.	12.0	7.66	5.32		0.680	0.351	K 0.139	K 0.351	0.395	0.175	0.307	K 0.470	0.263	0.570
31.		16.5	4.41		0.680		K 0.114		0.307	0.114		K 0.307		0.307

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	20.+	18.	18.+	24.	27.	24.+	2.+	26.+	27.	3.+	6.+	16.+	10.+
NQ	1.34	0.570	1.01	0.470	0.351	0.263	0.095	0.080	0.263	0.095	0.080	0.263	0.114	0.114
MQ	4.47	3.50	4.10	0.982	1.95	0.517	0.213	0.204	0.599	0.136	0.188	0.390	0.206	0.355
HQ	18.1	19.0	18.3	3.37	7.40	1.80	0.790	4.41	4.54	0.570	2.28	1.12	0.680	1.12
Tag	30.	1.	3.	1.	4.	19.	9.+	23.	22.	30.	11.	7.+	29.	28.
h_N mm														
h_A mm	73	59	69	15	33	8	4	3	10	2	3	7	3	6

	1924/2002		1925/2003											
Jahr	1929+	1993	1972	1963	1993	1930	1943+	1968	1976	1929+	1929	1929	1929+	1993
NQ	0.040	0.040	0.060	0.050	0.050	0.020	0.040	0.030	0.010	0.010	0.000	0.010	0.040	0.040
MNQ	0.424	0.472	0.676	0.699	0.722	0.599	0.351	0.279	0.240	0.199	0.217	0.275	0.417	0.471
MQ	0.989	1.42	1.83	1.89	2.36	1.81	1.05	0.986	0.756	0.574	0.544	0.850	0.969	1.42
MHQ	3.13	5.13	7.20	7.17	8.08	6.46	4.32	5.15	4.20	3.39	2.28	3.47	3.06	5.17
HQ	18.1	38.4	31.2	57.6	29.9	29.4	31.3	27.4	37.4	31.7	15.1	30.6	18.1	38.4
Jahr	2002	1974	1932	1935	1970	1970	1969	1969	1932	1970	1995	1974	2002	1974
Mh_N mm														
Mh_A mm	16	24	31	29	40	30	18	16	13	10	9	14	16	24

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.080	am 02.06.2003	0.263	0.080	0.080	am 02.06.2003
MQ	m^3/s	1.44		2.62	0.289	0.825	
HQ	m^3/s	19.0	am 01.12.2002	19.0	4.54	18.3	am 03.01.2003
Nq	$l/(s km^2)$	0.505		1.66	0.505	0.505	
Mq	$l/(s km^2)$	9.10		16.6	1.83	5.21	
Hq	$l/(s km^2)$	120		120	28.7	116	
h_N	mm						
h_A	mm	287		259	29	164	

		1925/2003 (*) 78 Jahre				1925/2003	
NQ	m^3/s	0.000	am 03.09.1929	0.020	0.000	0.000	am 03.09.1929
MNQ	m^3/s	0.114		0.257	0.129	0.118	
MQ	m^3/s	1.25		1.71	0.793	1.25	
MHQ	m^3/s	16.1		14.2	10.3	16.1	
HQ	m^3/s	57.6	am 17.02.1935	57.6	37.4	57.6	am 17.02.1935
HQ_1	m^3/s			0.002			
HQ_5	m^3/s						
MNq	$l/(s km^2)$	0.720		1.62	0.815	0.745	
Mq	$l/(s km^2)$	7.90		10.8	5.01	7.90	
MHq	$l/(s km^2)$	102		89.7	65.1	102	
Mh_N	mm						
Mh_A	mm	249		169	80	249	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.000		03.09.1929+	57.6	364		17.02.1935
2	0.010	0.063	17.07.1976+	38.4	243		08.12.1974
3	0.020	0.126	11.10.1959+	37.4	236		15.07.1932
4	0.020	0.126	19.09.1947+	31.7	200		21.08.1970
5	0.020	0.126	18.08.1946	31.3	198		07.05.1969
6	0.020	0.126	04.07.1930+	31.2	197		04.01.1932
7	0.020	0.126	24.09.1928	30.6	193		23.10.1974
8	0.030	0.190	29.06.1968+	29.9	189		23.03.1970
9	0.030	0.190	19.08.1965+	29.4	186		01.04.1970
10	0.030	0.190	18.09.1963+	28.6	181		28.10.1966

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1925/2003 77 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	17.5	16.2	47.1	15.9	1.35
363	16.5	12.7	32.2	12.8	1.29
362	16.2	11.6	32.2	11.1	1.18
361	12.7	10.8	32.2	9.61	1.13
360	12.0	8.44	27.3	8.65	1.13
359	11.8	7.27	25.1	7.91	1.13
358	11.6	6.88	25.1	7.27	0.960
357	10.8	6.10	25.1	6.75	0.910
356	10.7	5.84	23.2	6.43	0.910
350	7.27	4.54	17.2	4.88	0.690
340	5.45	2.40	11.7	3.57	0.520
330	4.54	1.68	9.30	2.91	0.470
320	3.76	1.45	7.86	2.46	0.470
300	2.28	1.01	5.52	1.85	0.360
270	1.45	0.790	4.38	1.35	0.300
240	1.01	0.570	3.49	1.02	0.250
210	0.680	0.470	3.14	0.800	0.250
183	0.570	0.395	2.59	0.630	0.210
150	0.395	0.307	2.10	0.480	0.170
130	0.351	0.263	1.81	0.400	0.150
120	0.351	0.263	1.73	0.370	0.140
110	0.307	0.219	1.51	0.340	0.120
100	0.307	0.219	1.44	0.307	0.090
90	0.263	0.219	1.30	0.280	0.070
80	0.219	0.175	1.24	0.260	0.060
70	0.219	0.175	1.11	0.230	0.060
60	0.175	0.175	1.00	0.219	0.040
50	0.175	0.139	0.940	0.190	0.030
40	0.139	0.139	0.740	0.170	0.030
30	0.139	0.139	0.690	0.139	0.020
25	0.139	0.139	0.650	0.130	0.020
20	0.114	0.114	0.650	0.114	0.020
15	0.114	0.114	0.600	0.110	0.020
10	0.114	0.114	0.560	0.090	0.020
9	0.114	0.114	0.560	0.090	0.010
8	0.095	0.095	0.560	0.080	0.010
7	0.095	0.095	0.520	0.080	0.010
6	0.095	0.095	0.520	0.070	0.010
5	0.095	0.095	0.520	0.070	0.010
4	0.095	0.095	0.520	0.060	0.010
3	0.095	0.095	0.480	0.050	0.010
2	0.095	0.095	0.480	0.050	0.010
1	0.095	0.095	0.480	0.030	0.010
0	0.080	0.080	0.400	0.000	0.000

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1933-1934; AJ 1934;
Beeinflußt durch TS-Steuerung;Pegel Möschlitz ab 1955 als
Ersatz für Pegel Grochwitz,lj. Statistik keine Q-Umrechnung,
HHQ wurde mit Faktor 0,975 auf Pegel Möschlitz = 97,5mü/s
nur HHQ vom 15.8.1924=100mü/s wurde mit
umgerechnet

A_{Eo} : 362 km^2

PNP : NN + 239.34 m

Lage: 1.8 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Kaulsdorf-Eichicht Nr. 572010

Gewässer : Loquitz

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	3.63	38.4	18.3	5.72	2.81	2.35	1.16	1.16	1.03	0.570	0.160	0.380	0.470	0.900
2.	5.14	25.5	31.3	5.52	3.78	2.97	1.03	0.900	1.94	0.470	0.160	0.300	0.470	0.770
3.	5.79	17.3	82.8	5.52	5.93	2.65	0.900	0.770	0.900	0.300	0.160	0.380	0.470	0.670
4.	7.92	12.3	62.4	5.32	7.98	2.35	0.900	0.670	0.770	0.300	0.160	0.470	0.770	0.670
5.	8.42	9.46	29.9	4.72	8.21	2.21	0.900	0.770	0.670	0.230	0.160	0.570	0.670	0.670
6.	7.67	7.17	20.8	4.33	8.21	2.07	0.900	0.770	0.670	0.230	0.190	0.570	0.570	0.570
7.	6.69	5.79	16.0	4.14	8.67	2.07	0.900	0.770	0.470	0.230	0.190	1.03	0.570	0.670
8.	6.01	4.93	R 12.6	3.95	8.21	1.94	0.900	0.670	0.470	0.230	0.160	1.29	0.470	R 0.470
9.	9.20	4.15	R 10.1	R 3.78	7.75	1.94	1.81	0.570	0.470	0.230	0.190	1.68	0.470	R 0.570
10.	10.3	3.30	R 8.44	R 3.45	7.52	1.94	1.55	0.470	0.470	0.190	0.190	1.16	0.470	R 0.570
11.	11.7	R 2.98	R 7.29	R 3.13	7.52	1.94	1.29	0.470	0.380	0.160	0.570	0.900	0.470	R 0.570
12.	11.7	R 2.98	R 6.15	R 2.81	8.67	1.81	1.16	0.470	0.380	0.160	1.55	0.670	R 0.470	R 0.570
13.	11.1	R 2.34	5.72	R 2.65	8.90	1.55	1.55	0.670	0.300	0.160	0.670	0.470	R 0.470	0.570
14.	9.46	R 2.05	5.32	R 2.65	8.21	1.55	1.29	0.570	0.230	0.136	0.470	0.470	R 0.470	2.35
15.	7.67	R 1.92	5.12	R 2.50	7.52	1.55	1.29	0.470	0.190	0.136	0.380	0.470	0.470	2.21
16.	6.46	R 1.69	4.72	R 2.50	6.83	1.42	1.42	0.470	0.230	0.136	0.380	0.470	0.470	1.94
17.	5.57	R 1.69	4.33	R 2.50	6.15	1.42	1.16	0.470	0.230	0.136	0.300	0.470	0.770	1.68
18.	4.53	R 1.58	3.95	R 2.35	5.72	1.29	1.16	0.570	0.230	0.160	0.380	0.470	0.770	1.55
19.	6.01	R 1.48	3.78	R 2.35	5.32	1.68	2.21	0.570	0.230	0.160	0.300	0.470	0.670	1.55
20.	7.17	R 1.38	3.61	R 2.35	4.92	1.81	1.94	0.380	0.230	0.160	0.300	0.470	0.570	1.42
21.	6.93	R 1.38	3.61	R 2.35	4.52	1.55	1.68	0.380	0.190	0.160	0.300	0.470	0.570	3.78
22.	6.93	R 1.58	3.45	R 2.21	4.14	1.42	1.42	0.380	0.190	0.160	0.230	0.470	0.570	4.14
23.	7.67	3.46	3.45	R 2.21	3.78	1.29	1.42	0.570	0.470	0.136	0.230	0.470	0.470	R 3.61
24.	6.69	2.50	4.92	R 2.07	3.61	1.29	1.42	1.03	1.03	0.160	0.230	0.380	0.470	R 3.13
25.	6.23	2.34	4.52	R 2.07	3.45	1.16	1.29	0.470	0.670	0.160	0.380	0.380	0.470	R 2.65
26.	5.57	2.19	4.33	R 2.21	3.29	1.16	1.03	0.380	0.470	0.160	0.230	0.300	0.470	R 2.50
27.	4.73	2.19	4.33	2.21	3.13	1.16	1.03	0.380	0.470	0.136	0.230	0.300	0.470	2.35
28.	4.34	2.34	6.83	2.35	2.97	1.29	1.03	0.470	1.68	0.136	0.300	0.380	0.670	2.21
29.	4.93	2.34	7.52		2.97	1.16	0.900	0.380	1.55	0.136	0.470	0.380	1.16	2.07
30.	22.3	5.57	7.06		2.81	1.16	0.900	0.470	1.03	0.160	0.380	0.470	1.03	1.81
31.		18.3	6.37		2.50		1.42		0.670	0.160		0.570		1.68

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	20.+	22.+	24.+	31.	25.+	3.+	20.+	15.+	14.+	1.+	2.+	1.+	8.
NQ	3.63	1.38	3.45	2.07	2.50	1.16	0.900	0.380	0.190	0.136	0.160	0.300	0.470	0.470
MQ	7.62	6.21	12.9	3.21	5.68	1.70	1.26	0.585	0.610	0.198	0.333	0.572	0.578	1.64
HQ	41.0	42.0	89.4	6.15	9.59	3.45	3.13	3.45	3.61	0.900	2.97	2.07	1.42	6.60
Tag	30.	1.	3.	1.	13.	2.	19.	23.	23.	1.	12.	9.	29.	21.
h_N mm														
h_A mm	55	46	95	21	42	12	9	4	5	1	2	4	4	12
	1922/2002		1923/2003						79 Jahre					
Jahr	1988	1948	1963	1963	1996	1933	1933	1948	1959	1943	2003	1959	1988	1948
NQ	0.180	0.300	0.080	0.120	0.680	0.680	0.420	0.130	0.100	0.090	0.160	0.080	0.180	0.300
MNQ	1.60	1.95	2.10	2.33	2.80	3.03	1.64	1.21	0.947	0.787	0.781	0.899	1.57	1.91
MQ	3.57	5.13	5.58	5.58	6.77	6.21	3.26	2.80	2.27	1.70	1.70	2.21	3.53	5.02
MHQ	9.79	15.1	18.4	15.3	18.2	15.3	8.12	9.11	8.07	5.61	5.38	6.81	9.79	14.9
HQ	54.4	60.5	89.4	71.3	73.2	129	40.9	68.8	60.4	25.6	37.6	39.7	54.4	60.5
Jahr	1940	1925	2003	1946	1962	1994	1969	1946	1958	1981	1939	1974	1940	1925
Mh_N mm														
Mh_A mm	26	38	41	37	50	44	24	20	17	13	12	16	25	37

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.136	am 14.08.2003	1.16	0.136	0.136	am 14.08.2003
MQ m^3/s	3.41		6.28	0.594	2.45	
HQ m^3/s	89.4	am 03.01.2003	89.4	3.61	89.4	am 03.01.2003
Nq $l/(s km^2)$	0.375		3.20	0.375	0.375	
Mq $l/(s km^2)$	9.41		17.3	1.64	6.76	
Hq $l/(s km^2)$	247		247	9.96	247	
h_N mm						
h_A mm	297		271	26	213	
	1923/2003 (*) 80 Jahre				1923/2003	
NQ m^3/s	0.080	am 25.01.1963	0.080	0.080	0.080	am 25.01.1963
MNQ m^3/s	0.474		0.994	0.548	0.506	
MQ m^3/s	3.88		5.47	2.31	3.88	
MHQ m^3/s	36.5		34.6	17.5	37.4	
HQ m^3/s	129	am 13.04.1994	129	68.8	129	am 13.04.1994
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	1.31		2.74	1.51	1.40	
Mq $l/(s km^2)$	10.7		15.1	6.38	10.7	
MHq $l/(s km^2)$	101		95.5	48.3	103	
Mh_N mm						
Mh_A mm	338		236	101	338	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.080	0.221	25.01.1963	129	356		13.04.1994
2	0.080	0.221	25.10.1959+	89.4	247		03.01.2003
3	0.090	0.248	22.08.1943	77.0	213		06.01.1982
4	0.110	0.304	09.07.1934+	73.2	202		31.03.1962
5	0.120	0.331	10.08.1925	71.3	197		09.02.1946
6	0.130	0.359	10.06.1948	69.0	190		26.02.1997
7	0.136	0.375	14.08.2003+	68.8	190		14.06.1946
8	0.180	0.497	15.08.1988+	63.1	174		01.04.1962
9	0.180	0.497	30.10.1949+	61.8	171		27.02.2002
10	0.180	0.497	11.09.1948	60.5	167		31.12.1925

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1923/2003 79 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	82.8	82.8	95.8	33.6	9.03
363	62.4	62.4	62.4	28.6	7.39
362	38.4	31.3	51.2	25.3	7.39
361	31.3	29.9	45.7	23.3	6.62
360	29.9	20.8	38.4	21.6	6.62
359	25.5	18.3	36.8	20.1	6.00
358	22.3	16.0	33.5	19.1	5.72
357	20.8	12.6	33.5	18.1	5.72
356	20.8	10.1	32.0	17.2	5.72
350	12.3	8.44	29.2	13.7	4.92
340	8.90	7.06	26.9	10.6	4.16
330	7.75	5.72	20.9	8.80	3.12
320	7.06	4.72	18.1	7.66	2.46
300	5.72	3.61	13.3	6.06	2.10
270	3.95	2.50	10.7	4.57	1.78
240	2.65	1.81	8.83	3.57	1.43
210	2.05	1.29	7.32	2.80	1.17
183	1.48	1.03	6.50	2.26	0.940
150	1.16	0.670	5.73	1.79	0.670
130	0.770	0.570	5.12	1.57	0.570
120	0.670	0.570	4.92	1.47	0.560
110	0.570	0.570	4.70	1.36	0.500
100	0.570	0.570	4.34	1.25	0.460
90	0.570	0.570	4.00	1.15	0.460
80	0.470	0.470	3.97	1.04	0.420
70	0.470	0.470	3.50	0.950	0.380
60	0.380	0.380	3.50	0.860	0.350
50	0.300	0.300	3.00	0.790	0.300
40	0.300	0.300	2.77	0.700	0.300
30	0.230	0.230	2.50	0.610	0.230
25	0.190	0.190	2.36	0.570	0.190
20	0.190	0.190	2.36	0.510	0.170
15	0.190	0.190	2.22	0.470	0.140
10	0.190	0.190	2.08	0.390	0.130
9	0.190	0.190	1.94	0.380	0.120
8	0.190	0.190	1.94	0.360	0.120
7	0.160	0.160	1.94	0.350	0.120
6	0.160	0.160	1.94	0.320	0.120
5	0.160	0.160	1.94	0.310	0.120
4	0.160	0.160	1.80	0.280	0.110
3	0.160	0.160	1.80	0.250	0.110
2	0.160	0.160	1.80	0.220	0.110
1	0.160	0.160	1.60	0.170	0.090
0	0.136	0.136	1.47	0.080	0.080

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929; AJ 1929;
47 Tage Randeis

A_{Eo} : 123 km^2

PNP : NN + 415.37 m

Lage: 36.0 km oberhalb Mündung links

Q

m^3/s

Pegel : Katzhütte Nr. 572110

Gewässer : Schwarza

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	2.29	5.78	14.8	1.96	R 1.14	1.49	1.05	0.870	0.435	0.405	0.385	0.370	0.720	1.05
2.	3.33	5.59	23.7	1.96	1.24	1.80	0.960	0.870	0.385	0.405	0.385	0.370	0.720	0.970
3.	3.33	4.83	37.5	1.96	1.64	1.49	0.870	0.780	0.357	0.385	0.370	0.370	0.780	0.900
4.	3.69	4.26	23.7	2.12	1.80	1.36	0.780	0.780	0.370	0.385	0.370	0.435	0.840	0.900
5.	3.51	4.26	17.1	2.12	2.12	1.24	0.620	0.780	0.357	0.385	0.370	0.435	0.780	0.900
6.	3.33	4.45	12.9	2.12	2.29	2.46	0.550	0.780	0.357	0.385	0.357	0.435	0.720	0.900
7.	2.97	4.07	R 9.17	2.12	2.46	1.24	0.550	0.700	0.344	0.370	0.370	1.15	0.720	0.900
8.	2.80	3.69	R 7.14	2.12	2.63	1.14	0.620	0.700	0.344	0.370	0.370	1.15	0.660	0.840
9.	4.45	3.33	R 5.97	2.12	2.80	1.14	1.24	0.700	0.344	0.370	0.370	1.80	0.660	0.780
10.	4.45	2.63	R 5.78	T 1.96	2.80	1.05	1.80	0.620	0.344	0.357	0.357	1.05	0.660	0.780
11.	5.21	2.29	R 5.21	R 1.96	3.33	1.49	1.14	0.550	0.344	0.344	0.780	0.970	0.600	0.840
12.	5.21	2.46	R 4.64	R 1.80	4.64	1.14	1.05	0.550	0.344	0.344	0.660	0.900	0.540	0.840
13.	5.21	2.29	R 4.64	R 1.64	4.83	1.14	1.05	0.550	0.357	0.344	0.435	0.780	0.540	1.53
14.	4.83	2.29	R 4.45	R 1.49	4.45	1.05	1.05	0.550	0.357	0.344	0.405	0.720	0.540	5.91
15.	4.07	2.29	4.26	R 1.49	4.07	1.05	1.05	0.420	0.357	0.357	0.385	0.660	0.540	5.15
16.	3.88	2.29	3.88	R 1.49	3.51	0.960	1.05	0.370	0.357	0.344	0.385	0.660	0.485	4.20
17.	4.07	2.29	3.69	R 1.36	3.33	0.960	0.960	0.370	0.357	0.344	0.370	0.660	0.970	3.63
18.	3.69	2.29	3.51	R 1.36	2.97	0.960	1.05	0.550	0.370	0.357	0.370	0.600	0.780	3.23
19.	3.69	2.29	3.51	R 1.24	2.97	1.05	1.96	0.480	0.370	0.357	0.370	0.540	0.900	2.65
20.	3.51	2.29	2.63	R 1.24	2.80	1.14	2.12	0.550	0.370	0.344	0.357	0.540	0.840	2.46
21.	3.33	2.29	1.80	R 1.14	2.63	0.960	1.80	0.420	0.357	0.344	0.344	0.540	0.840	4.39
22.	3.33	2.63	1.80	R 1.14	2.63	0.960	1.64	0.420	0.357	0.344	0.344	0.540	0.900	4.39
23.	3.15	3.69	1.80	R 1.14	2.46	0.960	1.36	0.550	0.385	0.344	0.357	0.540	0.900	4.20
24.	2.97	2.97	1.80	R 1.05	2.46	0.960	1.24	0.550	0.385	0.344	0.357	0.540	0.900	4.01
25.	2.80	2.97	1.80	R 0.960	2.29	0.870	1.05	0.420	0.357	0.331	0.357	0.485	0.840	3.82
26.	2.63	2.97	1.64	R 0.960	2.12	0.870	0.960	0.370	0.344	0.344	0.357	0.600	0.970	3.43
27.	2.46	3.15	1.64	R 0.870	1.96	0.870	0.960	0.370	0.344	0.344	0.344	0.660	0.900	3.03
28.	2.29	3.33	2.12	R 0.960	1.80	0.960	0.870	0.370	0.840	0.344	0.357	0.600	1.15	2.84
29.	2.97	3.88	1.96		1.64	0.960	0.870	0.370	0.540	0.405	0.405	0.600	1.27	2.65
30.	5.21	11.3	1.96		1.64	0.960	0.870	0.370	0.435	0.485	0.385	0.780	1.05	2.28
31.		18.9	1.96		1.49		0.870		0.435	0.385		0.780		1.95

Hauptwerte

Tag	1.+	11.+	26.+	27.	1.	25.+	6.+	16.+	7.+	25.	21.+	1.+	16.	9.+
NQ	2.29	2.29	1.64	0.870	1.14	0.870	0.550	0.370	0.344	0.331	0.344	0.370	0.485	0.780
MQ	3.62	4.00	7.05	1.57	2.61	1.16	1.10	0.558	0.387	0.365	0.394	0.686	0.790	2.46
HQ	6.35	20.1	41.4	2.12	5.02	7.94	3.69	0.870	1.40	0.660	2.65	2.84	1.66	7.62
Tag	13.	31.	3.	5.+	12.+	11.	19.	1.+	29.	30.	11.	9.	17.	14.
h_N mm														
h_A mm	77	87	154	31	57	25	24	12	8	8	8	15	17	54

	1945/2002		1946/2003						58 Jahre					
Jahr	1991	1962	1963	1963	1963	1948	1999	2000	1976	1991	1982	1982	1991	1962
NQ	0.220	0.360	0.330	0.290	0.380	0.540	0.330	0.260	0.230	0.150	0.130	0.160	0.220	0.360
MNQ	1.11	1.49	1.47	1.48	1.59	2.01	1.05	0.750	0.699	0.571	0.579	0.727	1.07	1.44
MQ	2.50	3.89	4.04	3.50	4.16	4.45	2.00	1.56	1.35	0.978	1.16	1.63	2.44	3.84
MHQ	7.46	13.8	14.6	10.1	13.8	12.0	4.83	5.04	4.95	3.37	4.17	5.37	7.35	13.7
HQ	36.6	59.6	52.8	46.8	57.8	68.9	12.4	28.8	23.3	20.2	34.2	24.4	36.6	59.6
Jahr	1998	1986	1987	1946	1981	1994	1970	1986	1958	1981	1998	1986	1998	1986
Mh_N mm														
Mh_A mm	53	85	88	69	91	94	44	33	29	21	25	36	52	84

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.331	am 25.08.2003	0.870	0.331	0.331	am 25.08.2003
MQ	m^3/s	1.97		3.37	0.582	1.60	
HQ	m^3/s	41.4	am 03.01.2003	41.4	3.69	41.4	am 03.01.2003
Nq	$l/(s km^2)$	2.70		7.10	2.70	2.70	
Mq	$l/(s km^2)$	16.1		27.5	4.75	13.1	
Hq	$l/(s km^2)$	338		338	30.1	338	
h_N	mm						
h_A	mm	507		430	75	412	
		1946/2003 (*) 58 Jahre				1946/2003	
NQ	m^3/s	0.130	am 18.09.1982	0.220	0.130	0.130	am 18.09.1982
MNQ	m^3/s	0.392		0.678	0.436	0.409	
MQ	m^3/s	2.60		3.76	1.45	2.59	
MHQ	m^3/s	28.0		27.5	9.90	28.2	
HQ	m^3/s	68.9	am 13.04.1994	68.9	34.2	68.9	am 13.04.1994
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	3.20		5.53	3.56	3.34	
Mq	$l/(s km^2)$	21.2		30.7	11.8	21.1	
MHq	$l/(s km^2)$	228		224	80.8	230	
Mh_N	mm						
Mh_A	mm	669		480	188	666	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.130	1.06	18.09.1982+	68.9	562		13.04.1994
2	0.140	1.14	22.09.1976	59.6	486		31.12.1986
3	0.150	1.22	28.08.1991+	57.8	471		11.03.1981
4	0.170	1.39	14.09.1999+	56.4	460		31.03.1962
5	0.210	1.71	16.08.1983+	52.8	431		01.01.1987
6	0.220	1.79	02.09.1986	48.6	396		20.04.1970
7	0.240	1.96	06.07.2002+	46.8	382		08.02.1946
8	0.250	2.04	18.08.1988	44.8	365		06.01.1982
9	0.250	2.04	28.08.1959+	44.7	365		27.01.2002+
10	0.260	2.12	27.08.2001	42.9	350		03.03.1999

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalenderjahr 2003	1946/2003 58 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	37.5	37.5	53.9	23.1	6.22
363	37.5	37.5	49.0	18.7	6.22
362	37.5	37.5	48.8	16.9	6.22
361	18.9	17.1	42.9	14.9	5.97
360	17.1	14.8	42.9	13.7	5.55
359	14.8	12.9	36.7	12.8	4.87
358	12.9	9.17	34.0	12.1	4.64
357	11.3	7.14	32.4	11.5	4.64
356	9.17	5.97	31.8	11.0	4.64
350	5.59	4.83	15.6	8.90	3.99
340	4.83	4.07	10.8	7.03	3.57
330	4.26	3.43	10.0	5.97	3.20
320	3.88	2.80	9.27	5.17	2.80
300	3.15	2.28	7.70	4.08	2.22
270	2.46	1.80	6.02	2.98	1.54
240	1.96	1.15	4.42	2.34	1.14
210	1.36	0.970	3.25	1.84	0.850
183	1.14	0.900	2.81	1.50	0.760
150	0.900	0.780	2.32	1.21	0.600
130	0.660	0.620	2.06	1.06	0.480
120	0.600	0.600	1.96	1.00	0.430
110	0.550	0.550	1.96	0.950	0.370
100	0.480	0.480	1.96	0.880	0.370
90	0.420	0.420	1.75	0.810	0.340
80	0.405	0.405	1.70	0.730	0.340
70	0.385	0.385	1.57	0.690	0.340
60	0.385	0.385	1.43	0.630	0.280
50	0.385	0.385	1.43	0.580	0.280
40	0.370	0.370	1.32	0.530	0.250
30	0.370	0.370	1.27	0.485	0.220
25	0.357	0.357	1.19	0.435	0.190
20	0.357	0.357	1.18	0.430	0.190
15	0.357	0.357	1.18	0.380	0.190
10	0.357	0.357	1.18	0.331	0.170
9	0.357	0.357	1.18	0.331	0.170
8	0.357	0.357	1.18	0.310	0.170
7	0.357	0.357	1.18	0.310	0.170
6	0.357	0.357	1.18	0.300	0.170
5	0.357	0.357	1.06	0.280	0.170
4	0.357	0.357	1.05	0.270	0.160
3	0.357	0.357	1.05	0.250	0.160
2	0.357	0.357	1.05	0.220	0.160
1	0.357	0.357	0.970	0.180	0.160
0	0.331	0.331	0.960	0.130	0.130

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch TS-Steuerung
27 Tage Randeis, 1 Tag Treibeis/Eisgang

A_{Eo} : 341 km^2

PNP : NN + 271.22 m

Lage: 13.0 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Schwarzburg Nr. 572115

Gewässer : Schwarza

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	5.26	22.4	27.4	5.03	R 2.88	2.65	1.19	1.08	0.650	0.450	0.550	0.550	0.650	1.08
2.	6.48	18.5	43.8	5.03	R 3.35	3.11	1.08	0.860	0.650	0.550	0.550	0.450	0.650	0.970
3.	6.79	14.7	82.0	5.03	4.55	3.11	1.08	0.750	0.550	0.450	0.550	0.450	0.550	0.970
4.	8.46	12.0	61.8	5.03	5.50	2.42	0.970	0.650	0.650	0.450	0.450	0.650	0.750	0.860
5.	9.34	10.7	41.5	4.79	5.74	2.42	0.970	0.650	0.650	0.370	0.450	0.860	0.650	0.860
6.	8.90	8.90	31.0	4.79	6.22	2.42	0.860	0.650	0.650	0.310	0.370	0.860	0.550	0.860
7.	8.02	7.58	21.7	4.55	7.16	2.42	0.650	0.650	0.650	0.310	0.370	1.76	0.550	0.860
8.	7.16	6.48	16.1	4.55	6.79	2.20	0.650	0.750	0.550	0.310	0.450	1.76	0.550	R 0.860
9.	10.7	5.98	13.8	4.07	7.16	2.20	1.76	0.750	0.550	0.310	0.370	2.42	0.550	R 0.860
10.	11.6	5.26	11.6	3.59	7.16	2.20	2.42	0.750	0.550	0.370	0.370	1.30	0.550	R 0.860
11.	12.9	4.55	9.79	3.83	7.16	2.42	1.50	0.650	0.450	0.310	0.860	1.19	0.550	R 0.650
12.	13.4	R 4.79	8.90	3.83	10.2	2.20	1.30	0.650	0.450	0.310	1.76	1.08	0.550	R 0.860
13.	12.9	R 4.55	8.02	3.59	10.2	1.98	1.50	0.750	0.370	0.310	0.860	0.860	0.450	1.19
14.	11.6	R 3.35	7.58	R 3.35	9.34	1.76	1.30	0.750	0.450	0.260	0.750	0.650	0.450	5.74
15.	9.79	R 3.59	7.16	G 3.11	8.02	1.50	1.19	0.650	0.450	0.310	0.650	0.650	0.450	5.50
16.	8.02	R 3.35	6.22	G 3.11	7.58	1.50	1.19	0.650	0.450	0.310	0.550	0.650	0.450	4.55
17.	8.02	R 3.11	5.50	G 2.88	7.16	1.30	1.08	0.310	0.450	0.310	0.550	0.650	0.970	4.07
18.	6.48	R 2.88	5.26	G 2.88	6.48	1.19	1.08	0.750	0.450	0.310	0.550	0.650	0.970	3.83
19.	6.48	R 2.65	5.03	G 2.65	6.22	1.50	2.42	0.750	0.450	0.370	0.450	0.650	0.970	3.59
20.	6.22	2.65	4.55	T 2.65	5.74	1.76	2.42	0.750	0.370	0.310	0.450	0.650	0.860	3.59
21.	5.74	2.65	4.07	T 2.65	5.50	1.30	1.98	0.650	0.450	0.310	0.450	0.750	0.860	5.03
22.	5.74	2.88	3.83	T 2.20	5.03	1.30	1.76	0.550	0.370	0.310	0.370	0.750	0.860	5.26
23.	5.98	5.03	3.83	R 2.20	4.55	1.30	1.76	0.550	0.370	0.310	0.450	0.750	0.860	5.03
24.	5.50	4.07	4.31	R 1.98	4.31	1.19	1.50	0.650	0.750	0.310	0.550	0.650	0.860	4.55
25.	5.26	4.07	3.83	R 1.76	4.31	1.19	1.30	0.450	0.750	0.310	0.450	0.550	0.750	4.31
26.	5.03	4.07	3.59	R 1.98	3.83	1.08	1.08	0.450	0.550	0.310	0.450	0.550	0.750	3.83
27.	4.79	4.31	3.59	R 2.20	3.83	1.19	0.970	0.450	0.550	0.310	0.450	0.650	0.750	3.59
28.	4.55	4.55	5.03	R 2.42	3.59	1.30	0.860	0.370	0.550	0.310	0.450	0.550	1.08	3.59
29.	5.26	4.79	5.50		3.35	1.19	0.750	0.450	1.19	0.650	0.750	0.550	1.76	3.35
30.	16.1	12.9	5.50		3.35	1.19	0.750	0.450	0.860	0.750	0.650	0.650	1.30	3.11
31.		31.0	5.26		3.11		1.08		0.750	0.750		0.650		2.88

Hauptwerte

Tag	28.	19.+	26.+	25.	1.	26.	7.+	17.	13.+	14.	6.+	2.+	13.+	11.
NQ	4.55	2.65	3.59	1.76	2.88	1.08	0.650	0.310	0.370	0.260	0.370	0.450	0.450	0.650
MQ	8.08	7.36	15.1	3.42	5.79	1.82	1.30	0.641	0.567	0.375	0.564	0.832	0.750	2.81
HQ	21.7	32.5	90.3	5.26	11.1	6.79	3.59	1.19	3.11	0.970	3.59	3.59	2.20	7.58
Tag	30.	31.	3.	1.	12.	11.	19.	1.	28.	30.	12.	7.	17.	14.
h_N mm														
h_A mm	61	58	119	24	46	14	10	5	4	3	4	7	6	22

	1983/2002		1984/2003					20 Jahre						
Jahr	1991	1997	1997	1997	1996	2002+	1999+	2003	2000+	2003	1999	1991	1991	1997
NQ	0.440	0.640	0.640	0.640	0.700	1.08	0.640	0.310	0.370	0.260	0.240	0.350	0.440	0.640
MNQ	1.81	2.19	2.66	2.96	3.29	3.39	1.63	1.24	0.873	0.710	0.726	0.984	1.76	2.11
MQ	4.48	7.08	8.78	7.05	8.84	7.86	3.15	2.81	1.71	1.17	1.84	2.39	4.39	7.03
MHQ	14.1	25.3	34.1	20.1	30.4	28.0	7.43	8.82	7.40	4.53	7.59	8.63	13.4	25.4
HQ	70.0	65.5	90.3	79.0	77.5	218	16.0	35.6	23.2	18.9	55.0	43.8	70.0	65.5
Jahr	1998	1986	2003	1997	1999	1994	1984	1986	1996	1987	1998	1998	1998	1986
Mh_N mm														
Mh_A mm	34	56	69	50	69	60	25	21	13	9	14	19	33	55

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.260	am 14.08.2003	1.08	0.260	0.260	am 14.08.2003
MQ m^3/s	3.83		7.00	0.715	2.84	
HQ m^3/s	90.3	am 03.01.2003	90.3	3.59	90.3	am 03.01.2003
Nq $l/(s km^2)$	0.763		3.17	0.763	0.763	
Mq $l/(s km^2)$	11.2		20.5	2.10	8.33	
Hq $l/(s km^2)$	265		265	10.5	265	
h_N mm						
h_A mm	354		321	33	263	

	1984/2003 (*) 20 Jahre				1984/2003	
NQ m^3/s	0.240	am 16.09.1999	0.440	0.240	0.240	am 16.09.1999
MNQ m^3/s	0.628		1.20	0.628	0.628	
MQ m^3/s	4.75		7.37	2.18	4.74	
MHQ m^3/s	62.6		61.6	15.3	62.3	
HQ m^3/s	218	am 13.04.1994	218	55.0	218	am 13.04.1994
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	1.84		3.52	1.84	1.84	
Mq $l/(s km^2)$	13.9		21.6	6.40	13.9	
MHq $l/(s km^2)$	184		181	44.9	183	
Mh_N mm						
Mh_A mm	440		338	102	439	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.240	0.704	16.09.1999+	218	640		13.04.1994
2	0.260	0.763	14.08.2003	90.3	265		03.01.2003
3	0.320	0.939	15.06.2000	89.5	263		28.01.2002
4	0.350	1.03	16.09.1991+	79.0	232		26.02.1997
5	0.370	1.09	19.08.1998	77.5	227		03.03.1999
6	0.420	1.23	05.08.1994+	76.0	223		30.01.1995
7	0.440	1.29	25.09.1992+	70.0	205		01.11.1998
8	0.450	1.32	18.09.2002+	68.5	201		27.02.2002
9	0.450	1.32	27.08.2001+	66.4	195		06.01.1994
10	0.520	1.53	08.10.1997	66.1	194		01.01.1987

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1984/2003 20 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	82.0	82.0	160	52.9	12.5
363	61.8	61.8	89.5	42.3	12.5
362	43.8	43.8	64.0	37.8	12.5
361	41.5	41.5	63.3	33.3	12.0
360	41.5	31.0	55.0	30.8	12.0
359	41.5	27.4	43.8	28.8	10.7
358	27.4	21.7	41.5	26.7	10.7
357	22.4	16.1	40.0	24.7	10.7
356	21.7	13.8	39.3	23.1	9.90
350	13.4	8.90	31.9	17.9	8.90
340	10.7	7.58	25.5	14.0	7.58
330	8.46	5.74	18.3	11.6	5.74
320	7.58	5.26	15.6	9.53	4.76
300	5.98	4.31	13.5	7.30	3.60
270	4.79	3.35	8.81	5.24	2.71
240	3.59	2.20	6.42	3.99	2.14
210	2.65	1.30	5.53	3.01	1.30
183	1.76	1.08	4.70	2.43	1.08
150	1.08	0.860	4.18	1.92	0.860
130	0.860	0.750	3.44	1.58	0.750
120	0.860	0.750	3.21	1.45	0.750
110	0.750	0.750	2.98	1.30	0.750
100	0.750	0.750	2.98	1.17	0.750
90	0.750	0.650	2.75	1.11	0.650
80	0.650	0.650	2.52	1.02	0.650
70	0.650	0.650	2.52	0.940	0.640
60	0.550	0.550	2.52	0.870	0.550
50	0.550	0.550	2.32	0.800	0.550
40	0.550	0.550	2.14	0.720	0.520
30	0.450	0.450	1.97	0.680	0.440
25	0.450	0.450	1.97	0.650	0.440
20	0.370	0.370	1.97	0.620	0.370
15	0.370	0.370	1.97	0.570	0.370
10	0.370	0.370	1.92	0.510	0.370
9	0.370	0.370	1.92	0.510	0.370
8	0.370	0.370	1.92	0.470	0.370
7	0.370	0.370	1.92	0.470	0.370
6	0.370	0.370	1.92	0.440	0.320
5	0.370	0.370	1.92	0.440	0.320
4	0.370	0.370	1.82	0.420	0.320
3	0.370	0.370	1.82	0.380	0.280
2	0.370	0.370	1.82	0.380	0.280
1	0.370	0.370	1.82	0.320	0.280
0	0.260	0.260	1.76	0.240	0.240

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflußt durch TS-Steuerung
5 Tage Grundeis, 22 Tage Randeis, 3 Tage Treibeis/Eisgang

A_{Eo} : 255 km²
PNP : NN + 170.63 m
Lage: 1.8 km oberhalb Mündung rechts

Q
m³/s

Pegel : Freienorla — Nr. 572400
Gewässer : Orla
Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.910	11.9	7.68	2.41	1.36	1.16	K 1.80	K 0.580	K 0.650	0.720	K 0.720	K 0.720	0.650	0.650
2.	1.45	7.88	8.88	2.28	2.16	1.36	K 1.80	K 0.580	K 0.470	0.650	K 0.650	K 0.800	0.580	0.580
3.	1.90	5.68	9.48	2.28	3.18	1.26	K 1.80	K 0.580	K 0.520	0.650	K 0.720	K 0.800	0.580	0.580
4.	3.06	4.50	8.28	2.41	4.50	1.57	K 1.80	K 0.580	K 0.520	0.650	K 0.720	K 1.16	0.580	0.580
5.	2.55	3.93	6.08	2.28	3.36	1.26	K 1.80	K 0.720	K 0.580	0.650	K 0.650	K 1.26	0.520	0.580
6.	1.90	3.18	4.69	2.04	2.85	1.16	K 1.80	K 0.720	K 0.580	0.650	K 0.580	K 1.07	0.520	0.580
7.	1.75	2.85	4.12	1.92	2.85	1.16	K 1.80	K 0.580	K 0.580	0.650	K 0.580	K 1.36	0.520	0.520
8.	1.60	2.55	R 3.36	1.92	2.85	1.07	K 1.68	K 0.580	K 0.580	0.580	K 0.580	1.26	0.520	0.520
9.	2.06	2.28	R 2.55	1.92	2.70	1.07	K 2.16	K 0.580	K 0.650	0.580	K 0.580	1.57	0.520	0.520
10.	1.90	2.04	R 2.41	1.92	2.55	1.07	K 2.04	K 0.580	K 0.650	0.580	K 0.470	1.16	0.520	0.520
11.	3.06	1.80	R 2.16	1.80	2.41	0.980	K 1.80	K 0.580	K 0.650	0.580	K 1.57	1.16	0.520	0.520
12.	3.06	1.57	2.04	1.68	2.70	0.980	K 1.80	K 0.650	K 0.650	0.580	K 1.92	0.980	0.520	0.520
13.	2.22	1.57	1.92	1.57	2.55	0.980	K 1.80	K 0.980	K 0.580	0.580	K 0.980	1.07	0.520	0.650
14.	2.22	1.36	2.16	1.46	2.28	0.980	K 1.80	K 0.580	K 0.580	K 0.720	K 0.890	0.980	0.520	0.980
15.	1.90	1.36	2.41	1.36	2.16	0.980	K 1.68	K 0.580	K 0.580	K 0.720	K 0.720	0.980	0.520	0.800
16.	1.60	1.36	2.41	1.36	2.16	0.980	K 1.57	K 0.580	K 0.580	K 0.650	K 0.650	0.980	0.520	0.720
17.	1.45	1.26	2.41	1.36	2.04	0.980	K 1.26	K 0.580	K 1.26	K 0.650	K 0.650	0.890	0.520	0.800
18.	1.09	1.07	2.16	1.26	1.92	0.980	K 1.26	K 0.650	K 1.07	K 0.650	K 0.650	0.890	0.520	0.800
19.	3.23	1.07	2.16	1.26	1.80	1.46	K 1.46	K 0.650	K 0.980	K 0.650	K 0.650	0.800	0.520	0.800
20.	4.25	1.07	2.16	1.26	1.68	2.16	K 1.16	K 0.650	K 0.890	K 0.580	K 0.650	0.650	0.470	0.800
21.	3.23	0.980	2.16	1.16	1.46	1.36	K 0.980	K 0.650	K 0.800	K 0.580	K 0.650	0.650	0.470	0.890
22.	2.89	1.26	2.28	1.16	1.26	1.36	K 0.890	K 0.650	K 1.07	K 0.580	K 0.580	0.720	0.420	0.890
23.	4.08	4.12	2.28	1.16	1.16	1.36	K 0.890	K 0.650	K 0.980	K 0.580	K 0.720	0.720	0.420	0.890
24.	3.57	2.85	3.01	1.16	1.16	1.46	K 0.890	K 0.650	K 0.980	K 0.580	K 0.650	0.720	0.420	0.890
25.	3.40	2.55	2.85	1.16	1.16	1.36	K 0.800	K 0.650	K 1.07	K 0.580	K 0.520	0.720	0.420	0.890
26.	2.89	2.16	2.55	1.16	1.07	1.46	K 0.720	K 0.650	K 0.980	K 0.580	K 0.520	0.720	0.420	0.890
27.	2.38	2.04	2.55	1.16	1.07	1.68	K 0.720	K 0.650	K 0.980	K 0.580	K 0.520	0.650	0.420	0.800
28.	2.06	2.16	3.55	1.26	1.07	1.92	K 0.650	K 0.650	K 1.46	K 0.580	K 0.580	0.650	0.580	0.800
29.	2.38	2.16	3.36		1.07	1.80	K 0.650	K 0.650	K 1.36	K 0.800	K 1.07	0.650	0.980	0.800
30.	11.9	5.88	3.01		1.07	1.80	K 0.580	K 0.520	K 0.980	K 0.890	K 0.720	0.890	0.720	0.720
31.		10.9	2.70		1.07		K 0.980		K 0.800	K 0.720		0.720		0.720
Tag	1.	21.	13.	21.+	26.+	11.+	30.	30.	2.	8.+	10.	20.+	22.+	7.+
NQ	0.910	0.980	1.92	1.16	1.07	0.980	0.580	0.520	0.470	0.580	0.470	0.650	0.420	0.520
MQ	2.73	3.14	3.54	1.61	2.02	1.31	1.38	0.631	0.808	0.638	0.737	0.915	0.531	0.716
HQ	18.4	14.9	10.9	2.55	5.08	3.93	3.93	4.88	3.18	0.980	5.68	2.16	1.16	1.16
Tag	30.	1.	2.	1.+	3.+	20.	9.	12.	28.+	29.	11.	7.	29.	14.
h_N mm														
h_A mm	28	33	37	15	21	13	14	6	8	7	7	10	5	8

Hauptwerte

	1927/2002		1928/2003						66 Jahre					
Jahr	1959+	1967	1986	1936	1930	1943	1943	1990	1960	1992	1991	1991+	1959+	1967
NQ	0.170	0.170	0.180	0.150	0.060	0.120	0.110	0.260	0.210	0.180	0.260	0.260	0.170	0.170
MNQ	0.772	0.743	0.842	0.919	0.957	0.964	0.823	0.752	0.773	0.760	0.841	0.848	0.770	0.750
MQ	1.19	1.24	1.42	1.47	1.76	1.63	1.43	1.45	1.27	1.12	1.18	1.28	1.18	1.23
MHQ	3.20	3.52	3.80	3.63	4.77	4.86	4.98	5.67	5.40	4.21	3.49	3.35	3.09	3.40
HQ	21.1	16.4	18.4	14.9	38.4	25.6	26.5	26.7	45.0	19.5	16.7	18.1	21.1	16.4
Jahr	1941	1974	1953	1941	1942	1980	1941	1961	1932	1977	1995	1974	1941	1974
Mh_N mm														
Mh_A mm	12	13	15	14	18	17	15	15	13	12	12	13	12	13

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m³/s	0.470	am 02.07.2003	0.910	0.470	0.420	am 22.11.2003
MQ m³/s	1.62		2.41	0.853	1.24	
HQ m³/s	18.4	am 30.11.2002	18.4	5.68	10.9	am 02.01.2003
Nq l/(skm²)	1.84		3.56	1.84	1.65	
Mq l/(skm²)	6.35		9.44	3.34	4.86	
Hq l/(skm²)	72.1		72.1	22.2	42.7	
h_N mm						
h_A mm	200		148	53	153	
	1928/2003 (*) 69 Jahre				1928/2003	
NQ m³/s	0.060	am 20.03.1930	0.060	0.110	0.060	am 20.03.1930
MNQ m³/s	0.398		0.525	0.479	0.405	
MQ m³/s	1.35		1.44	1.27	1.37	
MHQ m³/s	11.9		7.97	9.60	12.2	
HQ m³/s	45.0	am 15.07.1932	38.4	45.0	45.0	am 15.07.1932
HQ_1 m³/s						
HQ_5 m³/s						
MNq l/(skm²)	1.56		2.06	1.88	1.59	
Mq l/(skm²)	5.29		5.64	4.97	5.37	
MHq l/(skm²)	46.6		31.2	37.6	47.8	
Mh_N mm						
Mh_A mm	167		88	79	169	

Extremwerte

	Niedrigwasser m³/s	l/(skm²)	Datum	Hochwasser m³/s	l/(skm²)	cm	Datum
1	0.060	0.235	20.03.1930	45.0	176		15.07.1932
2	0.100	0.392	11.03.1944	38.4	150		18.03.1942
3	0.100	0.392	24.03.1943	26.7	105		10.06.1961
4	0.120	0.470	25.05.1990+	26.5	104		21.05.1941
5	0.150	0.588	16.02.1936	25.6	100		28.04.1980
6	0.170	0.666	26.11.1967+	24.8	97.1		13.04.1994
7	0.170	0.666	15.11.1959+	23.3	91.3		06.07.1958
8	0.180	0.705	28.08.1992+	23.1	90.5		07.05.1969
9	0.180	0.705	08.02.1986+	21.1	82.6		07.11.1941
10	0.180	0.705	11.01.1986	19.6	76.8		02.06.1995

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m³/s: Abflußjahr (*) 2003	Kalenderjahr 2003	1928/2003 66 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	12.0	9.48	23.9	9.84	1.45
363	12.0	8.88	22.7	7.88	1.45
362	10.9	8.28	15.5	6.80	1.45
361	9.48	7.68	15.4	6.15	1.45
360	8.88	6.08	13.8	5.63	1.42
359	8.28	4.69	13.2	5.37	1.41
358	7.88	4.50	11.8	5.11	1.41
357	7.68	4.12	10.1	4.88	1.36
356	6.08	3.55	10.1	4.72	1.30
350	4.25	3.18	8.89	3.78	1.09
340	3.40	2.70	6.81	3.08	0.860
330	3.01	2.41	6.11	2.65	0.780
320	2.85	2.28	5.51	2.36	0.750
300	2.38	1.92	5.23	1.92	0.650
270	2.04	1.57	4.84	1.56	0.560
240	1.75	1.26	3.85	1.33	0.540
210	1.45	1.07	3.52	1.15	0.510
183	1.26	0.980	2.64	1.00	0.480
150	1.07	0.800	2.43	0.870	0.440
130	0.910	0.720	2.33	0.800	0.350
120	0.890	0.720	2.33	0.760	0.310
110	0.800	0.720	2.23	0.720	0.310
100	0.800	0.720	2.23	0.690	0.270
90	0.720	0.720	2.12	0.660	0.250
80	0.720	0.650	2.12	0.620	0.230
70	0.720	0.650	1.92	0.610	0.230
60	0.720	0.650	1.82	0.570	0.190
50	0.650	0.650	1.72	0.530	0.180
40	0.650	0.650	1.63	0.510	0.180
30	0.650	0.580	1.46	0.460	0.160
25	0.650	0.580	1.46	0.430	0.160
20	0.650	0.580	1.46	0.430	0.160
15	0.650	0.580	1.31	0.400	0.160
10	0.650	0.580	1.07	0.360	0.140
9	0.650	0.520	1.04	0.350	0.140
8	0.650	0.520	1.04	0.350	0.140
7	0.580	0.520	1.04	0.350	0.140
6	0.580	0.520	1.04	0.330	0.140
5	0.580	0.470	1.04	0.320	0.140
4	0.580	0.470	0.990	0.300	0.120
3	0.580	0.470	0.990	0.270	0.120
2	0.580	0.470	0.990	0.230	0.120
1	0.520	0.470	0.960	0.180	0.070
0	0.470	0.420	0.930	0.060	0.060

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929 ,1937-1940 ,1944-1947; AJ 1929; AJ 1938-1940 ,1945-1947
4 Tage Randeis, 147 Tage Verkrautung

A_{Eo} : 254 km^2

PNP : NN + 159.69 m

Lage: 5.0 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Zöllnitz Nr. 572600

Gewässer : Roda

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.670	4.83	3.23	2.02	1.46	1.13	1.13	K 0.950	K 0.850	K 0.630	K 0.590	K 0.800	0.670	0.670
2.	0.950	2.38	6.43	1.93	1.93	1.19	1.07	K 0.900	K 0.710	K 0.590	K 0.550	K 0.950	0.670	0.670
3.	1.19	2.02	6.03	1.93	2.02	1.13	1.07	K 0.900	K 0.550	K 0.590	K 0.550	K 1.01	0.630	0.630
4.	1.69	1.77	4.83	1.53	2.20	1.07	1.07	K 0.850	K 0.550	K 0.590	K 0.550	K 1.07	0.630	0.630
5.	1.07	1.53	3.33	1.93	1.85	1.01	1.13	K 0.850	K 0.510	K 0.590	K 0.550	K 0.950	0.590	0.630
6.	0.950	1.53	2.65	1.85	1.85	1.01	1.19	K 0.850	K 0.550	K 0.590	K 0.550	K 0.800	0.590	0.630
7.	0.900	1.39	R 2.38	1.77	2.29	0.950	1.25	K 0.850	K 0.550	K 0.550	K 0.550	K 0.710	0.590	0.630
8.	0.900	1.32	R 2.29	1.85	2.02	1.01	1.19	K 0.850	K 0.590	K 0.550	K 0.590	K 0.850	0.630	R 0.630
9.	1.13	R 1.25	V 2.11	1.77	1.69	1.01	1.46	K 1.01	K 0.710	K 0.510	K 0.590	K 1.07	0.630	R 0.590
10.	0.950	G 1.25	V 2.02	1.69	1.69	1.07	1.46	K 0.850	K 0.710	K 0.510	K 0.630	K 0.900	0.630	0.590
11.	1.53	V 1.13	T 1.93	R 1.61	1.61	1.07	1.19	K 0.800	K 0.710	K 0.450	K 0.850	K 0.900	0.630	0.590
12.	1.39	V 1.13	R 1.85	R 1.53	1.77	1.07	1.25	K 0.800	K 0.590	K 0.450	K 1.07	K 0.750	0.630	0.630
13.	1.07	V 1.13	R 1.93	R 1.46	1.69	1.07	1.39	K 0.950	K 0.510	K 0.420	K 0.800	K 0.710	0.630	0.670
14.	1.01	V 1.13	2.20	G 1.46	1.53	1.07	1.32	K 0.800	K 0.480	K 0.420	K 0.710	K 0.710	0.590	0.800
15.	1.07	T 1.13	2.38	G 1.39	1.53	1.01	1.25	K 0.800	K 0.510	K 0.450	K 0.750	K 0.710	0.590	0.670
16.	0.950	R 1.13	2.11	G 1.39	1.39	1.07	1.19	K 0.800	K 0.510	K 0.420	K 0.750	K 0.710	0.590	0.670
17.	0.950	R 1.13	2.02	G 1.32	1.25	1.01	1.13	K 0.750	K 0.590	K 0.420	K 0.750	K 0.710	0.750	0.670
18.	0.900	R 1.13	1.93	G 1.32	1.25	1.01	1.19	K 0.800	K 0.670	K 0.450	K 0.710	K 0.710	0.630	0.670
19.	1.53	R 1.13	1.93	G 1.32	1.25	1.13	1.46	K 0.800	K 0.710	K 0.450	K 0.670	K 0.710	0.630	0.710
20.	1.53	1.25	1.93	G 1.32	1.32	1.69	1.32	K 0.800	K 0.670	K 0.420	K 0.590	K 0.710	0.630	0.670
21.	1.19	1.25	1.93	G 1.25	1.25	1.39	1.19	K 0.710	K 0.670	K 0.360	K 0.590	K 0.710	0.590	0.630
22.	1.07	2.02	2.11	G 1.25	1.19	1.25	1.13	K 0.710	K 1.01	K 0.360	K 0.590	K 0.710	0.590	0.670
23.	1.85	5.63	2.11	G 1.25	1.13	1.13	1.07	K 0.850	K 0.750	K 0.360	K 0.670	K 0.710	0.590	0.670
24.	1.39	2.83	2.56	G 1.25	1.13	1.13	1.07	K 0.800	K 0.630	K 0.390	K 0.750	K 0.710	0.590	0.670
25.	1.19	2.56	2.29	G 1.25	1.13	1.07	1.01	K 0.800	K 0.630	K 0.420	K 0.750	K 0.710	0.630	0.670
26.	1.13	2.29	2.11	G 1.25	1.13	1.13	1.01	K 0.800	K 0.590	K 0.420	K 0.710	K 0.670	0.630	0.670
27.	1.07	2.56	2.38	G 1.25	1.13	1.13	1.01	K 0.750	K 0.480	K 0.450	K 0.710	K 0.670	0.630	0.710
28.	1.07	2.38	3.13	R 1.32	1.19	1.13	1.01	K 0.750	K 0.630	K 0.480	K 0.710	K 0.630	0.850	0.710
29.	1.07	2.29	2.74		1.19	1.13	1.01	K 0.800	K 0.630	K 0.590	K 0.950	K 0.670	0.850	0.710
30.	8.21	6.13	2.56		1.13	1.13	0.950	K 0.800	K 0.630	K 0.590	K 0.800	K 0.800	0.750	0.710
31.		6.13	2.29		1.13		1.01		K 0.630	K 0.590		K 0.670		0.710

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	11.+	12.	21.+	23.+	7.	30.	21.+	14.+	21.+	2.+	28.	5.+	9.+
NQ	0.670	1.13	1.85	1.25	1.13	0.950	0.950	0.710	0.480	0.360	0.550	0.630	0.590	0.590
MQ	1.39	2.15	2.64	1.52	1.49	1.11	1.17	0.824	0.629	0.486	0.686	0.777	0.642	0.664
HQ	14.2	10.2	7.99	2.11	2.56	2.47	1.85	1.53	1.61	0.590	1.25	1.19	0.850	0.850
Tag	30.	23.	1.	1.	3.+	20.	10.	9.	22.	29.+	12.	9.	28.+	14.+
h_N mm														
h_A mm	14	23	28	14	16	11	12	8	7	5	7	8	7	7

	1947/2002		1948/2003 56 Jahre											
Jahr	1991	1991	1959+	1993	1993	1971	1993	1992+	1992	1964	1964	1964	1991	1991
NQ	0.330	0.360	0.460	0.480	0.510	0.260	0.300	0.330	0.360	0.250	0.220	0.250	0.330	0.360
MNQ	0.858	0.868	0.912	0.933	0.941	0.976	0.958	0.830	0.797	0.758	0.793	0.809	0.853	0.862
MQ	1.09	1.19	1.31	1.27	1.44	1.43	1.34	1.27	1.14	1.04	0.972	1.05	1.08	1.17
MHQ	2.17	2.67	3.22	2.73	3.34	4.78	4.09	5.36	3.63	3.47	2.00	2.65	2.16	2.60
HQ	14.2	10.4	24.2	17.0	14.6	34.7	44.0	48.8	38.0	26.2	9.86	17.5	14.2	10.4
Jahr	2002	1981	1969	1970	1979	1965	1969	1961	1958	1981	1952	1966	2002	1981
Mh_N mm														
Mh_A mm	11	13	14	12	15	15	14	13	12	11	10	11	11	12

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.360	am 21.08.2003	0.670	0.360	0.360	am 21.08.2003
MQ	m^3/s	1.24		1.73	0.762	1.05	
HQ	m^3/s	14.2	am 30.11.2002	14.2	1.85	7.99	am 01.01.2003
Nq	$l/(s km^2)$	1.41		2.63	1.41	1.41	
Mq	$l/(s km^2)$	4.87		6.80	2.99	4.13	
Hq	$l/(s km^2)$	55.8		55.8	7.27	31.4	
h_N	mm						
h_A	mm	154		106	48	130	

		1948/2003 (*) 56 Jahre				1948/2003	
NQ	m^3/s	0.220	am 21.09.1964	0.260	0.220	0.220	am 21.09.1964
MNQ	m^3/s	0.615		0.740	0.667	0.597	
MQ	m^3/s	1.21		1.29	1.14	1.21	
MHQ	m^3/s	12.0		7.11	9.89	12.0	
HQ	m^3/s	48.8	am 04.06.1961	34.7	48.8	48.8	am 04.06.1961
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	2.42		2.91	2.62	2.35	
Mq	$l/(s km^2)$	4.75		5.07	4.48	4.75	
MHq	$l/(s km^2)$	47.2		27.9	38.9	47.2	
Mh_N	mm						
Mh_A	mm	150		79	71	150	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.220	0.864	21.09.1964	48.8	192		04.06.1961
2	0.260	1.02	20.04.1971	44.0	173		07.05.1969
3	0.300	1.18	21.05.1993	38.0	149		06.07.1958
4	0.330	1.30	18.10.1991+	34.7	136		29.04.1965
5	0.330	1.30	31.08.1976	29.4	116		11.06.1965
6	0.360	1.41	21.08.2003+	26.2	103		10.08.1981
7	0.370	1.45	20.09.1959	25.4	99.8		27.04.1980
8	0.370	1.45	21.07.1957	24.7	97.1		22.05.1978
9	0.390	1.53	28.07.1964+	24.2	95.1		25.01.1969
10	0.420	1.65	10.07.1993	24.1	94.7		13.04.1994

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1948/2003 56 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	8.21	6.43	37.1	7.66	1.07
363	6.43	6.03	28.8	6.15	1.01
362	6.43	4.83	18.2	5.30	1.01
361	6.43	3.33	14.2	4.78	1.01
360	6.03	3.23	12.3	4.32	0.950
359	5.63	3.13	10.2	3.90	0.900
358	5.63	2.74	10.0	3.74	0.850
357	5.63	2.65	10.0	3.50	0.850
356	3.33	2.65	10.0	3.26	0.850
350	2.65	2.38	6.37	2.64	0.850
340	2.38	2.11	5.49	2.15	0.800
330	2.20	2.02	4.57	1.91	0.710
320	2.02	1.85	4.05	1.71	0.710
300	1.77	1.46	3.67	1.47	0.670
270	1.39	1.25	3.29	1.26	0.630
240	1.25	1.13	2.93	1.16	0.630
210	1.19	1.07	2.59	1.08	0.590
183	1.13	0.850	2.42	1.02	0.590
150	1.01	0.750	2.25	0.930	0.510
130	0.900	0.750	2.25	0.880	0.480
120	0.850	0.710	2.11	0.860	0.480
110	0.800	0.710	2.11	0.830	0.480
100	0.750	0.710	2.11	0.810	0.480
90	0.750	0.670	1.97	0.790	0.480
80	0.750	0.670	1.97	0.760	0.480
70	0.710	0.670	1.97	0.740	0.450
60	0.670	0.630	1.83	0.720	0.450
50	0.630	0.630	1.83	0.690	0.390
40	0.630	0.630	1.83	0.670	0.390
30	0.590	0.590	1.69	0.640	0.390
25	0.550	0.550	1.69	0.610	0.390
20	0.550	0.550	1.69	0.600	0.360
15	0.480	0.480	1.55	0.560	0.360
10	0.450	0.450	1.55	0.490	0.320
9	0.450	0.450	1.55	0.490	0.320
8	0.450	0.450	1.44	0.480	0.320
7	0.450	0.450	1.44	0.460	0.320
6	0.450	0.450	1.44	0.460	0.320
5	0.450	0.450	1.44	0.460	0.320
4	0.450	0.450	1.44	0.450	0.320
3	0.390	0.390	1.44	0.450	0.320
2	0.390	0.390	1.44	0.370	0.320
1	0.390	0.390	1.22	0.350	0.320
0	0.360	0.360	1.00	0.220	0.220

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

15 Tage Grundeis, 6 Tage Eisversetzung/Eisstau, 15 Tage Randeis, 2 Tage Treibeis/Eisgang, 153 Tage Verkrautung

A_{Eo} : 155 km^2

PNP : NN + 407.53 m

Lage: 108.0 km oberhalb Mündung links

Q

m^3/s

Pegel : Gräfinau-Angstedt Nr. 572890

Gewässer : Ilm

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	4.26	7.65	18.8	2.56	1.45	1.35	0.750	1.05	0.510	0.390	0.350	0.390	0.700	1.05
2.	5.75	6.75	26.2	2.42	2.29	2.02	0.750	0.850	0.510	0.350	0.350	0.430	0.700	0.850
3.	5.95	6.15	42.2	2.56	2.83	1.55	0.700	0.800	0.600	0.350	0.310	0.550	0.750	0.800
4.	6.75	5.35	29.1	2.42	2.97	1.35	0.650	0.750	0.550	0.350	0.270	0.600	0.750	0.800
5.	6.35	4.75	18.8	2.29	2.83	1.25	0.600	0.700	0.470	0.310	0.270	0.750	0.700	0.750
6.	5.95	4.09	13.5	2.16	2.83	1.15	0.600	0.650	0.430	0.310	0.230	0.700	0.650	0.750
7.	5.55	3.76	9.81	2.02	3.10	1.15	0.550	0.650	0.430	0.270	0.270	1.88	0.650	0.700
8.	5.15	3.60	7.20	2.02	2.97	1.15	0.550	0.650	0.470	0.230	0.310	1.65	0.650	0.700
9.	8.55	3.26	5.95	2.02	2.97	1.05	1.45	0.650	0.430	0.230	0.230	2.29	0.650	0.650
10.	7.88	2.70	5.15	1.55	2.97	1.05	1.45	0.650	0.430	0.193	0.230	1.35	0.600	0.650
11.	7.88	2.29	4.42	1.55	3.43	0.950	0.950	0.650	0.390	0.193	0.800	1.05	0.600	0.750
12.	7.88	2.56	3.76	1.45	5.15	0.950	1.05	0.600	0.350	0.161	0.950	0.850	0.600	0.850
13.	7.65	2.42	3.60	1.35	5.15	0.950	1.15	0.550	0.310	0.161	0.550	0.750	0.550	1.55
14.	7.42	2.29	3.43	1.55	4.58	0.850	1.05	0.550	0.270	0.129	0.430	0.750	0.600	6.75
15.	6.75	2.02	3.10	R 1.35	4.26	0.850	0.950	0.510	0.270	0.129	0.430	0.650	0.600	5.35
16.	5.75	2.16	2.83	1.35	3.92	0.800	0.850	0.510	0.270	0.129	0.350	0.650	0.600	4.42
17.	5.55	2.16	2.56	1.35	3.43	0.750	0.850	0.510	0.230	0.129	0.310	0.650	1.05	3.92
18.	4.26	1.88	2.29	1.25	2.97	0.750	0.850	0.800	0.230	0.129	0.270	0.650	0.950	3.76
19.	4.26	1.75	2.29	1.25	2.70	0.850	1.88	0.600	0.270	0.129	0.270	0.600	0.850	4.42
20.	3.92	1.65	2.29	1.25	2.70	0.950	1.65	0.510	0.270	0.161	0.270	0.600	0.850	2.70
21.	3.60	1.65	2.29	1.25	2.42	0.800	1.55	0.470	0.270	0.193	0.270	0.650	0.850	4.95
22.	3.60	2.02	2.02	1.25	2.29	0.800	1.35	0.470	0.350	0.193	0.310	0.600	0.800	4.58
23.	3.43	3.92	2.42	1.25	2.02	0.750	1.35	0.430	0.510	0.193	0.430	0.600	0.800	4.09
24.	3.10	3.10	2.97	1.25	1.88	0.700	1.25	0.470	0.510	0.161	0.390	0.550	0.800	3.60
25.	2.83	3.10	2.42	1.25	1.75	0.700	1.15	0.430	0.350	0.161	0.310	0.510	0.750	3.43
26.	2.70	3.10	2.02	1.15	1.65	0.650	1.05	0.430	0.310	0.193	0.270	0.700	0.800	3.10
27.	2.29	3.26	2.02	1.05	1.65	0.750	0.950	0.430	0.310	0.193	0.270	0.750	0.750	2.83
28.	2.16	3.26	3.10	1.15	1.65	0.800	0.850	0.390	1.15	0.193	0.310	0.800	1.25	2.70
29.	3.43	3.60	2.97		1.55	0.700	0.800	0.390	0.470	0.230	0.390	0.750	1.65	2.56
30.	8.55	10.9	2.83		1.55	0.750	0.800	0.430	0.430	0.270	0.350	0.700	1.35	2.29
31.		23.3	2.70		1.45		1.75		0.430	0.310		0.750		1.88

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	28.	20.+	22.+	27.	1.+	26.	7.+	28.+	17.+	14.+	6.+	1.	13.	9.+
NQ	2.16	1.65	2.02	1.05	1.45	0.650	0.550	0.390	0.230	0.129	0.230	0.390	0.550	0.650
MQ	5.30	4.21	7.58	1.62	2.75	0.971	1.04	0.584	0.412	0.217	0.358	0.811	0.795	2.52
HQ	10.4	25.2	46.4	2.70	5.75	2.56	8.78	2.83	5.55	0.390	3.76	3.10	2.29	9.00
Tag	30.	31.	3.	1.	13.	2.	31.	18.	23.	1.+	11.	7.+	28.	14.
h_N mm														
h_A mm	89	73	131	25	48	16	18	10	7	4	6	14	13	44

	1922/2002		1923/2003 81 Jahre											
Jahr	1991	1953	1954	1963	1963	1960	1943	1954	1934	2003	1928	1933	1991	1953
NQ	0.220	0.180	0.230	0.210	0.210	0.540	0.280	0.140	0.190	0.129	0.160	0.220	0.220	0.180
MNQ	1.09	1.22	1.32	1.45	1.60	2.07	1.08	0.772	0.648	0.545	0.597	0.701	1.07	1.20
MQ	2.51	3.20	3.45	3.32	3.77	4.16	2.11	1.67	1.30	1.05	1.19	1.71	2.47	3.17
MHQ	7.35	10.3	10.8	9.29	10.6	9.43	5.31	5.29	4.39	4.88	3.60	4.94	7.26	10.3
HQ	49.2	47.7	55.6	69.3	60.8	49.3	18.0	23.2	14.7	79.6	25.7	24.8	49.2	47.7
Jahr	1940	1947	2002	1946	1981	1994	1969	1972	1996	1981	1998	1960	1940	1947
Mh_N mm														
Mh_A mm	42	55	60	52	65	70	37	28	22	18	20	30	41	55

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.129	am 14.08.2003	0.650	0.129	0.129	am 14.08.2003
MQ	m^3/s	2.16		3.78	0.571	1.65	
HQ	m^3/s	46.4	am 03.01.2003	46.4	8.78	46.4	am 03.01.2003
Nq	$l/(s km^2)$	0.833		4.20	0.833	0.833	
Mq	$l/(s km^2)$	14.0		24.4	3.69	10.7	
Hq	$l/(s km^2)$	300		300	56.7	300	
h_N	mm						
h_A	mm	440		382	59	336	
		1923/2003 (*) 81 Jahre				1923/2003	
NQ	m^3/s	0.129	am 14.08.2003	0.180	0.129	0.129	am 14.08.2003
MNQ	m^3/s	0.378		0.664	0.419	0.391	
MQ	m^3/s	2.45		3.40	1.51	2.44	
MHQ	m^3/s	22.3		21.3	10.4	22.3	
HQ	m^3/s	79.6	am 10.08.1981	69.3	79.6	79.6	am 10.08.1981
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	2.44		4.29	2.71	2.53	
Mq	$l/(s km^2)$	15.8		22.0	9.75	15.8	
MHq	$l/(s km^2)$	144		138	67.2	144	
Mh_N	mm						
Mh_A	mm	499		343	155	497	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.129	0.833	14.08.2003+	79.6	514		10.08.1981
2	0.140	0.904	18.06.1954	69.3	448		08.02.1946
3	0.160	1.03	21.09.1928+	60.8	393		12.03.1981
4	0.180	1.16	12.12.1953+	55.6	359		28.01.2002
5	0.180	1.16	21.08.1947+	49.3	318		13.04.1994
6	0.190	1.23	07.08.1935+	49.2	318		05.11.1940
7	0.190	1.23	08.07.1934	47.7	308		28.12.1947
8	0.190	1.23	31.08.1929+	46.4	300		03.01.2003
9	0.200	1.29	09.07.1976+	45.4	293		06.01.1982
10	0.210	1.36	18.09.1964+	41.0	265		26.02.1997

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1923/2003 81 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	42.2	42.2	57.1	19.7	5.54
363	29.1	29.1	50.2	15.9	5.28
362	26.2	26.2	45.5	13.9	4.70
361	23.3	26.2	45.5	12.4	4.42
360	23.3	26.2	45.5	11.6	4.38
359	23.3	13.5	29.2	11.0	4.38
358	13.5	9.81	25.2	10.5	4.23
357	10.9	7.20	23.5	10.2	4.19
356	9.81	6.75	21.8	9.74	3.81
350	7.88	4.95	15.4	8.07	2.95
340	6.15	3.92	12.1	6.56	2.47
330	5.35	3.43	10.3	5.58	2.22
320	4.09	2.97	8.62	4.88	2.11
300	3.26	2.42	7.52	3.89	1.62
270	2.56	1.65	5.76	2.91	1.17
240	2.02	1.35	4.73	2.24	0.770
210	1.45	0.950	4.27	1.82	0.570
183	1.15	0.850	3.50	1.50	0.510
150	0.800	0.750	2.71	1.21	0.470
130	0.700	0.700	2.47	1.06	0.440
120	0.650	0.650	2.35	0.980	0.410
110	0.600	0.600	2.22	0.930	0.400
100	0.550	0.550	1.98	0.870	0.390
90	0.510	0.510	1.89	0.810	0.380
80	0.470	0.470	1.62	0.770	0.350
70	0.430	0.430	1.50	0.720	0.340
60	0.390	0.390	1.42	0.660	0.310
50	0.350	0.350	1.38	0.620	0.310
40	0.310	0.310	1.27	0.550	0.280
30	0.310	0.310	1.27	0.500	0.240
25	0.270	0.270	1.27	0.460	0.220
20	0.270	0.270	1.17	0.430	0.220
15	0.230	0.230	1.17	0.400	0.220
10	0.193	0.193	1.07	0.340	0.193
9	0.193	0.193	1.07	0.330	0.193
8	0.193	0.193	1.07	0.320	0.193
7	0.193	0.193	1.07	0.310	0.193
6	0.193	0.193	1.07	0.300	0.193
5	0.161	0.161	1.07	0.290	0.161
4	0.161	0.161	1.07	0.270	0.161
3	0.161	0.161	0.970	0.250	0.161
2	0.161	0.161	0.970	0.240	0.161
1	0.161	0.161	0.970	0.220	0.161
0	0.129	0.129	0.870	0.129	0.129

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

1 Tag Randeis

A_{Eo} : 627 km^2

PNP : NN + 222.80 m

Lage: 53.8 km oberhalb Mündung links

Q

m^3/s

Pegel : Mellingen Nr. 572910

Gewässer : Ilm

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	6.63	32.8	37.0	7.50	4.06	4.20	2.22	2.85	1.03	0.700	0.450	0.390	0.600	1.63
2.	6.45	19.4	48.8	7.15	4.97	4.20	2.32	1.80	1.03	0.600	0.420	0.360	0.550	1.54
3.	9.06	16.6	61.6	6.98	6.98	4.35	2.11	1.54	1.12	0.600	0.450	0.390	0.600	1.46
4.	10.5	14.4	76.6	6.98	7.89	4.20	2.11	1.37	1.20	0.500	0.450	0.500	0.600	1.46
5.	9.88	13.2	47.7	6.63	7.50	3.66	2.01	1.90	1.12	0.500	0.450	0.600	0.600	1.46
6.	8.87	12.1	29.4	6.28	7.33	3.52	2.01	3.66	1.03	0.450	0.420	0.700	0.600	1.37
7.	8.28	10.7	21.8	5.93	8.09	3.39	2.01	1.80	1.03	0.450	0.420	0.600	0.500	1.29
8.	8.28	9.66	17.6	5.93	7.89	3.25	1.90	1.63	0.950	0.450	0.450	1.29	0.550	1.29
9.	10.1	8.87	14.1	5.93	7.33	3.12	2.11	1.54	0.900	0.420	0.450	1.46	0.550	1.12
10.	11.8	8.48	12.5	5.75	7.15	2.98	3.39	1.46	0.900	0.420	0.390	1.37	0.550	1.03
11.	11.6	7.89	11.2	5.28	6.98	2.98	2.74	1.29	0.850	0.390	0.500	0.950	0.550	1.12
12.	12.1	7.50	9.88	5.13	8.28	2.85	2.32	1.37	0.850	0.390	1.12	0.900	0.550	1.12
13.	11.0	7.15	9.06	4.97	9.06	2.85	2.22	1.71	0.850	0.390	0.800	0.750	0.550	1.20
14.	10.5	6.80	9.06	4.51	8.67	2.74	2.22	1.46	0.800	0.390	0.600	0.650	0.500	2.64
15.	10.3	6.45	9.45	4.51	8.09	2.64	2.22	1.37	0.850	0.390	0.450	0.650	0.500	5.59
16.	9.06	6.10	8.67	4.66	7.50	2.53	1.90	1.29	0.750	0.390	0.420	0.600	0.500	4.66
17.	8.28	6.10	8.09	4.66	7.15	2.53	1.71	1.29	0.750	0.450	0.420	0.550	0.650	4.51
18.	7.50	5.75	7.33	4.51	6.80	2.43	1.71	1.29	0.800	0.420	0.390	0.550	0.750	4.06
19.	7.15	5.44	6.80	4.51	6.45	2.53	2.11	1.54	0.750	0.420	0.390	0.500	0.750	3.52
20.	7.69	5.28	6.63	4.35	6.10	3.12	2.64	1.46	0.750	0.390	0.390	0.500	0.700	3.25
21.	6.98	4.97	6.45	4.20	5.75	2.74	2.43	1.29	0.700	0.390	0.360	0.500	0.650	3.79
22.	6.45	5.59	6.45	3.93	5.28	2.43	2.32	1.29	0.650	0.390	0.300	0.600	0.650	5.28
23.	6.98	13.9	6.28	3.79	5.28	2.32	2.22	1.20	0.500	0.390	0.330	0.650	0.700	4.51
24.	6.63	11.4	7.50	3.79	5.13	2.22	2.11	1.20	0.650	0.390	0.360	0.500	0.700	4.06
25.	6.10	11.0	7.33	3.66	4.82	2.22	2.01	1.12	0.800	0.390	0.360	0.550	0.800	3.93
26.	5.75	10.1	6.80	3.66	4.66	2.32	1.90	1.03	0.650	0.390	0.360	0.550	0.850	3.52
27.	5.44	10.1	6.63	3.66	4.51	2.32	1.80	1.03	0.600	0.390	0.330	0.600	0.850	3.39
28.	5.13	10.3	7.89	3.79	4.51	2.32	1.71	1.03	1.12	0.390	0.300	0.700	0.950	3.12
29.	5.44	8.67	9.06		4.35	2.32	1.63	1.03	1.37	0.420	0.390	0.650	2.01	2.85
30.	47.7	19.2	8.67		4.35	2.22	1.46	0.950	0.900	0.450	0.420	0.700	1.90	2.64
31.		42.3	8.09		4.20		1.54		0.750	0.450		0.650		2.32

Hauptwerte

	2002 Nov	2002 Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	28.	21.	23.	25.+	1.	24.+	30.	30.	23.	11.+	22.+	2.	7.+	10.
NQ	5.13	4.97	6.28	3.66	4.06	2.22	1.46	0.950	0.500	0.390	0.300	0.360	0.500	1.03
MQ	9.59	11.6	17.2	5.09	6.36	2.92	2.10	1.49	0.871	0.437	0.445	0.675	0.725	2.73
HQ	67.5	60.3	80.6	7.69	9.06	4.35	3.52	6.98	2.01	0.700	1.46	1.80	2.32	6.63
Tag	30.	1.	4.	1.	12.	2.+	10.	6.	28.+	1.	12.	9.+	29.	14.
h_N mm														
h_A mm	40	50	73	20	27	12	9	6	4	2	2	3	3	12

	1922/2002		1923/2003						81 Jahre					
Jahr	1991	1989+	1954	1963	1963	1991	1990	1934	1976	1991	1929	1991	1991	1989+
NQ	0.350	0.490	0.330	0.360	0.360	1.10	0.390	0.220	0.220	0.220	0.150	0.180	0.350	0.490
MNQ	2.02	2.17	2.39	2.84	3.33	4.05	2.53	1.88	1.43	1.15	1.07	1.26	1.99	2.12
MQ	4.04	4.91	5.58	5.58	6.63	7.07	4.27	3.62	2.64	2.01	1.93	2.62	3.98	4.84
MHQ	11.5	14.2	17.0	14.0	17.3	15.3	9.73	11.0	7.68	6.11	4.62	7.01	11.4	14.1
HQ	88.8	70.7	80.6	57.3	71.8	98.3	52.5	70.7	67.7	95.9	22.6	38.0	88.8	70.7
Jahr	1940	1947	2003	1940	1981	1994	1969	1961	1956	1981	1998	1939	1940	1947
Mh_N mm														
Mh_A mm	17	21	24	22	28	29	18	15	11	9	8	11	16	21

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.300	am 22.09.2003	2.22	0.300	0.300	am 22.09.2003
MQ	m^3/s	4.91		8.88	1.00	3.43	
HQ	m^3/s	80.6	am 04.01.2003	80.6	6.98	80.6	am 04.01.2003
Nq	$l/(s km^2)$	0.478		3.54	0.478	0.478	
Mq	$l/(s km^2)$	7.83		14.2	1.59	5.47	
Hq	$l/(s km^2)$	129		129	11.1	129	
h_N	mm						
h_A	mm	247		221	25	173	
		1923/2003 (*) 81 Jahre				1923/2003	
NQ	m^3/s	0.150	am 10.09.1929	0.330	0.150	0.150	am 10.09.1929
MNQ	m^3/s	0.757		1.36	0.844	0.768	
MQ	m^3/s	4.23		5.64	2.85	4.22	
MHQ	m^3/s	35.3		31.7	19.1	36.2	
HQ	m^3/s	98.3	am 13.04.1994	98.3	95.9	98.3	am 13.04.1994
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	1.21		2.17	1.35	1.22	
Mq	$l/(s km^2)$	6.75		9.00	4.55	6.73	
MHq	$l/(s km^2)$	56.3		50.6	30.5	57.7	
Mh_N	mm						
Mh_A	mm	213		141	72	212	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.150	0.239	10.09.1929+	98.3	157		13.04.1994
2	0.170	0.271	09.09.1928	95.9	153		11.08.1981
3	0.180	0.287	03.09.1991+	88.8	142		05.11.1940
4	0.220	0.351	13.07.1976+	80.6	129		04.01.2003
5	0.220	0.351	25.06.1934	77.8	124		01.01.1926
6	0.280	0.447	15.09.1923	71.8	115		12.03.1981+
7	0.300	0.478	22.09.2003+	70.7	113		10.06.1961
8	0.300	0.478	02.08.1990+	70.7	113		29.12.1947
9	0.300	0.478	08.10.1926	69.5	111		14.03.1947
10	0.320	0.510	06.08.1947+	69.5	111		31.12.1925

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1923/2003 81 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	76.6	76.6	76.6	30.9	7.26
363	61.6	61.6	61.8	25.2	6.53
362	48.8	48.8	55.4	22.2	6.38
361	48.8	47.7	53.6	20.5	5.95
360	48.8	37.0	46.0	19.0	5.95
359	42.3	29.4	42.3	18.1	5.95
358	37.0	21.8	41.0	17.2	5.55
357	32.8	17.6	41.0	16.6	5.27
356	29.4	14.1	41.0	15.8	5.27
350	14.4	9.45	28.5	13.2	3.98
340	11.2	8.28	18.6	10.7	3.87
330	10.3	7.50	16.3	9.07	3.51
320	9.45	6.98	14.7	8.03	3.40
300	7.69	5.59	13.0	6.63	2.75
270	6.80	4.06	11.2	5.13	1.76
240	5.28	2.85	9.46	4.06	1.24
210	3.79	2.22	8.23	3.34	1.00
183	2.43	1.63	7.35	2.86	0.880
150	1.80	1.20	5.82	2.36	0.760
130	1.37	0.900	4.87	2.08	0.750
120	1.20	0.850	4.48	1.96	0.660
110	1.03	0.750	4.23	1.81	0.620
100	0.900	0.700	4.10	1.70	0.620
90	0.800	0.650	3.87	1.56	0.540
80	0.700	0.650	3.63	1.47	0.490
70	0.650	0.600	3.28	1.35	0.390
60	0.550	0.550	3.07	1.25	0.350
50	0.500	0.500	2.86	1.13	0.300
40	0.450	0.450	2.75	1.02	0.240
30	0.420	0.420	2.65	0.890	0.220
25	0.420	0.420	2.65	0.820	0.210
20	0.420	0.420	2.55	0.760	0.200
15	0.420	0.420	2.45	0.690	0.190
10	0.420	0.420	2.35	0.570	0.190
9	0.420	0.420	2.35	0.560	0.190
8	0.390	0.390	2.35	0.540	0.190
7	0.390	0.390	2.27	0.500	0.190
6	0.390	0.390	2.27	0.490	0.190
5	0.390	0.390	2.27	0.450	0.190
4	0.390	0.390	2.14	0.420	0.190
3	0.360	0.360	2.14	0.390	0.190
2	0.360	0.360	2.14	0.350	0.190
1	0.330	0.330	2.02	0.270	0.190
0	0.300	0.300	1.91	0.150	0.150

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

A_{Eo} : 894 km^2

PNP : NN + 133.40 m

Lage: 10.0 km oberhalb Mündung links

Q

m^3/s

Pegel : Niedertrebra Nr. 572920

Gewässer : Ilm

Gebiet : Obere Saale

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	7.60	57.8	41.5	12.7	6.18	6.70	5.20	4.80	2.49	2.25	1.65	1.65	2.37	2.85
2.	7.90	27.9	42.7	12.0	7.00	6.70	5.40	3.95	2.37	2.13	1.77	1.65	2.37	2.85
3.	11.0	23.5	57.2	12.7	9.60	7.00	5.20	3.65	2.61	2.01	1.77	1.65	2.37	2.85
4.	13.4	20.7	68.3	12.7	11.7	6.70	5.00	3.33	2.49	2.01	1.77	1.89	2.37	3.01
5.	12.4	19.0	66.7	11.7	10.3	6.44	4.80	4.10	2.61	2.01	1.65	2.13	2.37	2.85
6.	11.0	17.6	38.8	11.3	9.94	6.18	4.80	7.90	2.49	2.01	1.65	2.25	2.37	2.85
7.	9.94	16.1	29.8	10.6	11.3	5.92	4.80	3.95	2.49	1.89	1.65	2.49	2.25	2.85
8.	10.3	14.4	25.2	10.6	11.3	5.66	4.80	3.65	2.37	1.89	1.77	3.01	2.37	2.85
9.	11.7	13.4	21.8	10.3	10.6	5.66	6.18	3.65	2.37	1.89	1.77	3.80	2.25	2.85
10.	15.7	12.4	19.3	9.94	10.6	5.40	7.60	3.33	2.37	1.89	1.89	3.65	2.37	2.61
11.	15.4	11.0	17.9	9.32	10.3	5.20	6.18	3.17	2.37	1.77	2.85	3.01	2.25	2.61
12.	16.1	9.94	16.7	8.76	12.7	5.20	5.66	2.85	2.25	1.77	3.17	2.73	2.25	2.73
13.	14.7	9.60	15.7	8.20	13.7	5.20	5.40	3.65	2.25	2.01	2.85	2.61	2.25	2.73
14.	14.1	9.60	16.4	7.30	12.7	5.00	5.20	2.85	2.25	2.49	2.13	2.37	2.25	3.65
15.	13.4	9.32	16.7	7.30	12.0	5.00	5.00	2.85	2.25	2.49	1.89	2.37	2.25	8.20
16.	12.4	8.76	15.7	7.00	11.3	5.00	4.80	2.73	2.25	2.61	1.77	2.25	2.25	7.00
17.	10.6	9.04	14.7	7.30	10.6	5.00	4.40	2.73	2.25	2.49	1.77	2.25	2.49	7.00
18.	9.94	8.48	13.7	7.00	10.3	4.80	4.40	2.73	2.25	2.61	1.65	2.13	2.01	6.18
19.	9.94	7.60	12.7	6.70	9.60	5.66	5.20	2.85	2.25	2.61	1.59	2.37	2.01	5.66
20.	10.6	7.30	12.0	6.44	9.32	8.20	5.66	3.17	2.13	2.61	1.59	2.25	1.89	5.00
21.	9.32	6.70	12.4	6.44	8.76	5.92	5.20	2.73	2.13	2.61	1.59	2.25	1.89	4.80
22.	8.76	7.60	12.0	6.18	8.48	5.40	5.00	2.73	2.37	2.61	1.52	2.37	1.89	7.30
23.	10.6	20.4	11.3	6.18	8.20	5.20	4.80	2.61	2.25	2.49	1.65	2.49	1.89	6.44
24.	9.32	15.4	13.4	5.92	7.90	5.20	4.40	2.73	2.37	2.61	1.52	2.25	1.89	5.92
25.	8.48	17.6	13.1	5.92	7.60	5.00	4.40	2.49	2.37	2.49	1.59	2.37	1.89	5.40
26.	7.90	15.4	12.0	5.66	7.30	5.00	4.25	2.37	2.37	2.61	1.59	2.37	1.89	5.40
27.	7.60	15.7	12.0	5.66	7.30	5.00	4.10	2.37	2.13	2.61	1.59	2.49	1.89	5.00
28.	7.00	15.7	13.7	5.92	7.60	5.20	3.95	2.37	3.65	2.61	1.52	2.61	2.49	4.80
29.	7.60	14.7	16.1		7.00	5.40	3.80	2.37	3.49	3.01	2.01	2.61	3.49	4.60
30.	29.1	23.9	15.0		6.70	5.20	3.65	2.37	2.85	3.17	1.65	2.73	3.49	4.60
31.		40.8	13.7		6.70		3.80		2.37	3.01		2.61		4.25
Tag	28.	21.	23.	26.+	1.	18.	30.	26.+	20.+	11.+	22.+	1.+	20.+	10.+
NQ	7.00	6.70	11.3	5.66	6.18	4.80	3.65	2.37	2.13	1.77	1.52	1.65	1.89	2.61
MQ	11.5	16.4	22.8	8.49	9.50	5.64	4.94	3.23	2.44	2.36	1.83	2.44	2.27	4.44
HQ	45.8	72.8	80.7	13.7	14.4	11.3	9.94	14.7	7.00	4.40	6.18	5.20	4.40	9.32
Tag	30.	1.	4.+	3.	12.+	20.	9.	5.	28.	30.	12.	9.	28.	15.
h_N mm														
h_A mm	33	49	68	23	28	16	15	9	7	7	5	7	7	13

Hauptwerte

	1922/2002		1923/2003						81 Jahre					
Jahr	1947	1949	1964	1963	1963	1938	1934	1934	1934	1949	1929	1949	1947	1949
NQ	0.810	0.810	0.950	0.950	0.950	2.00	1.37	0.630	0.570	0.590	0.570	0.590	0.810	0.810
MNQ	3.18	3.46	3.85	4.39	4.90	5.80	4.13	3.35	2.65	2.23	2.16	2.32	3.15	3.38
MQ	5.43	6.53	7.29	7.55	8.87	9.33	6.29	5.47	4.16	3.31	3.09	3.88	5.36	6.45
MHQ	13.1	16.2	18.6	17.0	20.9	18.8	13.1	15.3	10.5	8.37	6.32	8.76	13.0	16.1
HQ	84.1	77.0	84.6	84.6	82.0	105	72.2	82.7	76.4	96.6	21.8	44.5	84.1	77.0
Jahr	1940	1939	1926	1946	1942	1994	1969	1953	1956	1981	1998	1939	1940	1939
Mh_N mm														
Mh_A mm	16	20	22	20	27	27	19	16	12	10	9	12	16	19

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	1.52	am 22.09.2003	4.80	1.52	1.52	am 22.09.2003
MQ m^3/s	7.64		12.5	2.88	5.88	
HQ m^3/s	80.7	am 04.01.2003	80.7	14.7	80.7	am 04.01.2003
Nq $l/(skm^2)$	1.70		5.37	1.70	1.70	
Mq $l/(skm^2)$	8.54		14.0	3.22	6.57	
Hq $l/(skm^2)$	90.2		90.2	16.4	90.2	
h_N mm						
h_A mm	269		219	51	207	
	1923/2003 (*) 81 Jahre				1923/2003	
NQ m^3/s	0.570	am 29.07.1934	0.810	0.570	0.570	am 29.07.1934
MNQ m^3/s	1.63		2.45	1.77	1.68	
MQ m^3/s	5.92		7.50	4.37	5.91	
MHQ m^3/s	40.6		36.3	23.9	41.3	
HQ m^3/s	105	am 14.04.1994	105	96.6	105	am 14.04.1994
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(skm^2)$	1.82		2.74	1.98	1.88	
Mq $l/(skm^2)$	6.62		8.39	4.89	6.61	
MHq $l/(skm^2)$	45.4		40.6	26.7	46.2	
Mh_N mm						
Mh_A mm	209		131	78	208	

Extremwerte

	Niedrigwasser m^3/s	$l/(skm^2)$	Datum	Hochwasser m^3/s	$l/(skm^2)$	cm	Datum
1	0.570	0.637	29.07.1934	105	117		14.04.1994
2	0.570	0.637	15.09.1929+	96.6	108		12.08.1981
3	0.590	0.660	20.08.1949+	84.6	94.6		10.02.1946
4	0.690	0.772	04.10.1947	84.6	94.6		01.01.1926
5	0.720	0.805	10.07.1930+	84.1	94.0		06.11.1940
6	0.810	0.906	02.09.1952	82.7	92.5		27.06.1953
7	0.850	0.950	18.09.1991+	82.0	91.7		19.03.1942
8	0.860	0.962	15.09.1964	81.6	91.2		11.06.1961
9	0.860	0.962	05.08.1943	81.5	91.1		25.02.1940
10	0.950	1.06	22.01.1964+	80.7	90.2		04.01.2003+

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1923/2003 81 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	68.3	68.3	101	39.3	8.19
363	66.7	66.7	81.7	31.4	8.19
362	57.8	57.2	74.2	27.2	7.54
361	57.2	42.7	67.4	24.8	6.90
360	42.7	41.5	63.8	23.3	6.70
359	41.5	38.8	62.3	21.9	6.49
358	40.8	29.8	58.7	21.1	6.49
357	38.8	25.2	49.2	20.1	6.49
356	29.8	21.8	43.0	19.4	6.30
350	21.8	16.1	29.8	16.5	5.70
340	16.4	13.1	24.2	13.5	5.17
330	15.7	12.4	21.1	11.8	4.76
320	14.1	11.7	19.7	10.5	4.60
300	12.4	8.48	17.8	8.76	3.82
270	10.3	6.70	15.8	7.10	3.16
240	7.90	5.40	13.7	5.88	2.70
210	6.44	5.00	12.6	4.99	2.35
183	5.40	3.65	11.5	4.37	2.11
150	3.95	2.85	9.32	3.75	1.58
130	3.17	2.73	7.97	3.35	1.32
120	2.85	2.61	7.54	3.20	1.20
110	2.73	2.49	6.90	3.02	1.18
100	2.73	2.49	6.49	2.86	1.09
90	2.61	2.49	6.30	2.71	1.09
80	2.49	2.37	6.10	2.55	0.990
70	2.49	2.37	5.91	2.39	0.950
60	2.37	2.37	5.73	2.26	0.950
50	2.37	2.13	5.54	2.08	0.880
40	2.13	2.01	4.99	1.92	0.880
30	2.01	2.01	4.82	1.76	0.810
25	1.89	1.89	4.66	1.66	0.810
20	1.89	1.89	4.66	1.52	0.810
15	1.77	1.77	4.56	1.39	0.730
10	1.77	1.77	4.35	1.26	0.730
9	1.77	1.77	4.28	1.21	0.730
8	1.65	1.65	4.28	1.20	0.730
7	1.65	1.65	4.28	1.15	0.690
6	1.65	1.65	4.28	1.12	0.690
5	1.65	1.65	4.18	1.08	0.660
4	1.65	1.65	4.18	1.01	0.660
3	1.65	1.65	4.18	0.990	0.660
2	1.59	1.59	4.18	0.890	0.660
1	1.59	1.59	4.18	0.800	0.640
0	1.52	1.52	3.99	0.570	0.570

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

A_{Eo} : 183 km^2

PNP : NN + 210.27 m

Lage: 161.2 km oberhalb Mündung links

Q

m^3/s

Pegel : Ammern — Nr. 573000

Gewässer : Unstrut

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.85	4.28	4.72	2.88	2.52	2.18	2.29	1.08	1.08	0.770	0.530	0.530	0.390	0.390
2.	4.17	3.36	16.6	2.88	3.24	2.29	2.29	1.08	1.08	0.770	0.600	0.530	0.390	0.460
3.	6.22	2.88	17.0	3.00	3.72	2.29	2.29	1.08	1.08	0.770	0.600	0.530	0.460	0.390
4.	6.94	2.64	7.72	2.88	3.48	2.18	2.18	1.08	1.08	0.770	0.530	0.600	0.530	0.460
5.	3.72	2.64	4.61	2.76	3.12	2.18	2.07	0.970	1.08	0.680	0.530	0.600	0.390	0.390
6.	2.76	2.52	3.83	2.64	2.88	2.18	1.96	1.08	1.08	0.770	0.530	0.600	0.390	0.390
7.	2.40	2.40	3.48	2.52	3.60	2.18	1.96	1.08	0.970	0.770	0.600	0.680	0.390	0.390
8.	3.36	2.18	3.12	2.52	2.88	2.18	1.96	1.30	0.970	0.770	0.530	0.680	0.390	0.390
9.	12.4	2.18	3.00	2.64	2.76	2.18	1.96	1.19	0.970	0.680	0.530	0.770	0.390	0.460
10.	4.61	2.07	2.88	2.52	2.52	2.18	2.07	1.41	0.970	0.680	0.600	0.600	0.390	0.390
11.	8.28	1.96	2.76	2.40	2.40	2.18	2.07	1.08	0.970	0.680	1.41	0.600	0.390	0.390
12.	5.38	1.96	2.76	2.40	3.48	2.18	2.18	0.970	0.970	0.600	0.870	0.600	0.330	0.390
13.	3.72	1.96	2.76	2.29	3.12	2.18	2.07	0.970	0.870	0.600	0.680	0.460	0.390	0.530
14.	3.12	1.96	3.24	2.29	2.76	2.18	1.96	0.970	0.870	0.600	0.600	0.460	0.390	1.74
15.	2.88	1.96	3.48	2.29	2.64	2.18	1.85	0.970	0.870	0.600	0.600	0.460	0.330	1.08
16.	2.64	1.96	3.12	2.29	2.52	2.18	1.85	0.970	0.870	0.600	0.530	0.460	0.330	0.770
17.	2.64	2.52	2.88	2.29	2.40	2.18	1.85	0.970	0.870	0.600	0.530	0.460	0.680	0.770
18.	2.40	1.96	2.76	2.18	2.40	2.18	1.74	1.08	0.870	0.600	0.530	0.460	0.460	0.770
19.	2.29	1.85	2.76	2.18	2.40	2.40	1.96	1.08	0.870	0.600	0.530	0.460	0.390	0.680
20.	2.18	1.85	2.76	2.18	2.29	2.76	1.85	1.08	0.770	0.600	0.530	0.460	0.330	0.600
21.	2.18	1.85	2.76	2.18	2.29	2.40	1.41	0.970	0.870	0.600	0.530	0.460	0.330	0.770
22.	2.18	4.61	2.76	2.18	2.29	2.29	1.19	0.970	0.870	0.600	0.530	0.460	0.330	0.970
23.	2.18	12.6	3.24	2.18	2.29	2.29	1.19	0.970	0.870	0.600	0.530	0.460	0.330	0.680
24.	2.07	3.12	3.36	2.07	2.18	2.18	1.19	0.970	0.870	0.600	0.530	0.460	0.330	0.600
25.	2.07	3.24	2.88	2.07	2.18	2.18	1.19	0.970	0.970	0.600	0.280	0.460	0.330	0.600
26.	1.96	3.83	2.76	2.07	2.18	2.07	1.19	0.970	0.770	0.600	0.530	0.460	0.330	0.600
27.	1.96	6.34	2.88	2.07	2.29	2.07	1.08	0.970	0.870	0.600	0.530	0.460	0.330	0.770
28.	1.96	4.06	4.06	2.18	2.29	2.07	1.08	0.970	1.08	0.600	0.530	0.460	0.530	0.970
29.	2.52	4.28	4.06		2.18	2.07	1.08	0.970	0.870	0.600	0.530	0.460	0.460	0.870
30.	6.82	20.7	3.83		2.18	2.18	1.08	0.970	0.770	0.600	0.530	0.390	0.390	0.770
31.		11.0	3.24		2.18		1.08		0.770	0.600		0.390		0.680

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	19.+	11.+	24.+	24.+	26.+	27.+	5.+	20.+	12.+	25.	30.+	12.+	1.+
NQ	1.85	1.85	2.76	2.07	2.18	2.07	1.08	0.970	0.770	0.600	0.280	0.390	0.330	0.390
MQ	3.66	3.96	4.26	2.39	2.63	2.21	1.72	1.04	0.927	0.649	0.581	0.514	0.394	0.649
HQ	26.2	42.8	33.7	3.12	4.17	3.94	2.40	4.06	1.85	0.770	2.76	1.30	0.870	3.12
Tag	9.	30.	3.	3.+	3.+	20.+	1.+	8.	28.	1.+	11.	9.	17.+	2.
h_N mm														
h_A mm	52	58	62	32	38	31	25	15	14	9	8	8	6	9

	1940/2002		1941/2003 56 Jahre											
Jahr	1959	1959	1960	1972	1960	1960	1960	1960	1960	1960	1959	1959	1959	1959
NQ	0.170	0.130	0.130	0.150	0.150	0.230	0.320	0.290	0.210	0.210	0.170	0.210	0.170	0.130
MNQ	0.693	0.806	1.04	1.17	1.31	1.45	1.21	0.976	0.833	0.705	0.636	0.632	0.680	0.793
MQ	1.21	1.71	1.95	2.10	2.33	1.97	1.59	1.35	1.12	0.922	0.838	0.938	1.15	1.70
MHQ	7.53	9.87	13.1	10.7	11.5	6.79	4.88	6.43	4.00	2.61	2.06	3.00	5.88	10.1
HQ	104	53.2	52.0	42.4	67.5	54.4	39.0	115	70.2	14.4	10.8	18.0	63.2	53.2
Jahr	1940	1988	1995	2000	1956	1983	1997	1981	1956	2002	1987	1998	1998	1988
Mh_N mm														
Mh_A mm	17	25	29	28	34	28	23	19	16	13	12	14	16	25

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.280	am 25.09.2003	1.85	0.280	0.280	am 25.09.2003
MQ m^3/s	2.04		3.20	0.905	1.50	
HQ m^3/s	42.8	am 30.12.2002	42.8	4.06	33.7	am 03.01.2003
Nq $l/(s km^2)$	1.53		10.1	1.53	1.53	
Mq $l/(s km^2)$	11.1		17.5	4.95	8.20	
Hq $l/(s km^2)$	234		234	22.2	184	
h_N mm						
h_A mm	352		273	79	258	
	1941/2003 (*) 58 Jahre				1941/2003	
NQ m^3/s	0.130	am 22.12.1959	0.130	0.170	0.130	am 04.01.1960
MNQ m^3/s	0.434		0.614	0.554	0.455	
MQ m^3/s	1.51		1.90	1.13	1.49	
MHQ m^3/s	31.5		28.3	11.3	29.6	
HQ m^3/s	115	am 04.06.1981	104	115	115	am 04.06.1981
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	2.37		3.36	3.03	2.49	
Mq $l/(s km^2)$	8.25		10.4	6.17	8.14	
MHq $l/(s km^2)$	172		155	61.7	162	
Mh_N mm						
Mh_A mm	260		162	98	257	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.130	0.710	22.12.1959+	115	628		04.06.1981
2	0.140	0.765	23.12.1976	104	568		04.11.1940
3	0.150	0.820	06.02.1972	70.2	384		15.07.1956
4	0.150	0.820	24.03.1960	67.5	369		04.03.1956
5	0.160	0.874	12.12.1991	65.0	355		08.02.1946
6	0.210	1.15	22.07.1960+	63.2	345		01.11.1998
7	0.240	1.31	17.11.1989+	54.4	297		20.04.1983
8	0.240	1.31	22.10.1989+	53.2	291		19.12.1988
9	0.240	1.31	13.11.1986	52.0	284		23.01.1995
10	0.250	1.37	04.03.1963	43.6	238		05.12.1965

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1941/2003 56 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	20.7	17.0	32.2	14.7	4.01
363	17.0	16.6	28.2	11.2	2.66
362	16.6	7.72	28.2	9.05	2.30
361	12.6	4.72	18.0	7.53	2.18
360	12.4	4.61	17.6	6.60	2.00
359	11.0	4.61	14.6	5.83	1.81
358	8.28	4.61	14.2	5.40	1.36
357	7.72	4.06	13.4	5.02	1.36
356	6.94	4.06	12.6	4.68	1.36
350	4.72	3.60	8.42	3.75	1.05
340	4.06	3.12	5.40	3.01	1.05
330	3.48	3.00	4.28	2.65	0.890
320	3.24	2.88	3.72	2.41	0.790
300	2.88	2.52	3.29	2.08	0.670
270	2.52	2.29	2.76	1.70	0.630
240	2.29	2.18	2.52	1.42	0.620
210	2.29	1.19	2.30	1.28	0.610
183	2.07	1.08	2.17	1.10	0.610
150	1.19	0.970	2.11	0.980	0.550
130	1.08	0.770	2.05	0.890	0.430
120	1.08	0.680	1.98	0.880	0.430
110	1.08	0.680	1.86	0.800	0.390
100	0.970	0.680	1.86	0.780	0.390
90	0.870	0.680	1.80	0.710	0.390
80	0.770	0.600	1.74	0.690	0.370
70	0.680	0.600	1.68	0.640	0.330
60	0.680	0.600	1.62	0.610	0.330
50	0.680	0.530	1.62	0.610	0.330
40	0.600	0.530	1.50	0.560	0.320
30	0.600	0.460	1.44	0.500	0.280
25	0.600	0.460	1.41	0.470	0.280
20	0.600	0.460	1.41	0.450	0.280
15	0.530	0.460	1.41	0.410	0.280
10	0.530	0.390	1.30	0.360	0.240
9	0.530	0.390	1.30	0.340	0.240
8	0.530	0.390	1.30	0.340	0.230
7	0.530	0.390	1.30	0.330	0.230
6	0.530	0.390	1.30	0.330	0.230
5	0.530	0.390	1.30	0.310	0.230
4	0.530	0.390	1.30	0.290	0.230
3	0.530	0.390	1.30	0.290	0.210
2	0.460	0.390	1.30	0.250	0.170
1	0.460	0.390	1.30	0.240	0.150
0	0.280	0.280	1.19	0.130	0.130

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1950; AJ 1945; AJ 1947-1950

Beeinflussung durch Rückhaltebecken Luhne in Hochwassersituationen

A_{Eo} : 716 km^2

PNP : NN + 167.16 m

Lage: 133.2 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Nägelstedt Nr. 573010

Gewässer : Unstrut

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	3.90	15.8	22.0	9.06	6.92	5.60	K 5.16	K 3.70	K 3.13	K 2.45	K 2.30	1.89	1.76	1.89
2.	6.04	11.2	39.8	8.81	8.08	5.82	K 4.73	K 3.50	K 3.13	K 2.30	K 2.45	1.76	1.76	1.89
3.	11.9	9.32	59.1	9.58	9.32	5.82	K 4.73	K 3.70	K 3.31	K 2.30	K 2.30	1.76	1.89	1.89
4.	18.0	8.08	31.8	9.32	9.32	5.60	K 4.73	K 3.70	K 2.95	K 2.30	K 2.16	1.89	2.02	1.64
5.	9.58	8.08	20.6	8.56	8.32	5.38	K 4.73	K 3.50	K 2.95	K 2.45	K 2.02	1.89	1.76	1.76
6.	6.70	7.84	17.3	8.08	8.08	5.38	K 4.73	K 3.50	K 2.95	K 2.02	K 1.89	1.76	1.64	1.76
7.	6.48	7.15	15.3	7.84	9.32	5.38	K 4.52	K 3.50	K 2.95	K 2.61	K 2.30	1.76	1.52	1.76
8.	6.92	6.70	14.0	7.84	8.08	5.38	K 4.73	K 3.50	K 2.95	K 2.16	K 2.02	2.02	1.52	1.64
9.	20.3	6.48	13.0	7.84	7.38	5.38	K 4.94	K 5.38	K 3.13	K 2.45	K 2.61	2.45	1.64	1.52
10.	13.3	6.26	11.7	7.84	7.15	5.38	K 5.38	K 3.70	K 2.78	K 2.02	K 2.30	1.89	1.64	1.64
11.	16.6	6.04	11.7	7.61	6.92	5.38	K 4.52	K 4.73	K 2.78	K 2.30	K 2.95	1.76	1.64	1.52
12.	15.0	5.82	11.2	7.38	8.56	5.16	K 4.52	K 3.70	K 2.95	K 2.30	K 3.50	1.64	1.52	1.52
13.	10.3	5.60	11.2	7.15	8.08	5.16	K 5.16	K 3.70	K 2.61	K 2.30	K 2.30	1.64	1.52	1.76
14.	8.81	5.60	11.7	6.92	7.38	5.16	K 4.73	K 3.50	K 2.78	K 2.30	K 2.16	1.64	1.76	4.31
15.	7.84	5.38	12.8	6.92	6.92	4.94	K 4.31	K 3.31	K 2.61	K 2.45	K 2.02	1.52	1.64	3.31
16.	7.38	5.60	10.6	6.70	6.70	5.16	K 4.10	K 3.50	K 2.61	K 2.45	K 2.02	1.64	1.64	2.61
17.	6.92	6.70	11.5	6.70	6.70	4.94	K 4.10	K 3.31	K 2.78	K 2.30	K 2.02	1.76	1.89	2.45
18.	5.82	4.94	10.9	7.15	6.48	4.94	K 4.31	K 3.90	K 2.78	K 2.30	K 2.02	1.52	1.89	2.45
19.	6.48	5.38	10.6	7.38	6.48	5.16	K 4.73	K 3.90	K 2.78	K 2.45	K 1.89	1.40	1.76	2.45
20.	6.04	5.38	10.6	7.15	6.26	6.70	K 5.16	K 3.70	K 2.61	K 2.30	K 1.89	1.76	1.76	2.16
21.	6.04	5.60	11.5	7.15	6.26	5.16	K 4.31	K 3.50	K 2.61	K 2.30	K 1.89	1.64	1.64	2.30
22.	5.82	6.48	10.1	6.92	6.26	5.16	K 4.10	K 3.31	K 2.78	K 2.16	K 1.64	1.76	1.64	2.45
23.	6.04	35.7	10.9	6.92	6.04	4.94	K 4.10	K 3.31	K 2.78	K 2.16	K 1.89	1.76	1.76	2.45
24.	5.60	12.1	11.9	6.92	6.04	4.94	K 4.10	K 3.31	K 2.95	K 2.16	K 2.16	1.64	1.64	2.02
25.	5.60	11.5	10.6	6.92	6.04	5.16	K 4.10	K 3.13	K 3.13	K 2.45	K 1.89	1.52	1.64	2.02
26.	5.38	11.9	10.3	6.70	6.04	4.94	K 3.90	K 3.31	K 2.95	K 2.30	K 1.89	1.64	1.76	2.02
27.	5.16	16.3	9.85	6.70	6.04	4.94	K 3.90	K 3.31	K 2.78	K 2.30	K 1.89	1.64	1.64	2.02
28.	5.16	13.8	11.2	6.70	6.26	4.94	K 3.90	K 3.31	K 3.13	K 2.30	K 1.89	1.76	1.89	2.02
29.	6.04	13.8	12.1		5.82	4.94	K 3.70	K 3.13	K 3.13	K 2.61	K 1.89	1.76	2.30	2.16
30.	16.8	34.5	11.7		5.82	4.94	K 3.70	K 3.13	K 2.78	K 2.78	K 1.89	1.64	1.89	2.02
31.		47.4	10.3		5.82		K 3.70		K 2.61	K 2.45		1.64		1.76

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	18.	27.	16.+	29.+	15.+	29.+	25.+	13.+	6.+	22.	19.	7.+	9.+
NQ	3.90	4.94	9.85	6.70	5.82	4.94	3.70	3.13	2.61	2.02	1.64	1.40	1.52	1.52
MQ	8.73	11.4	15.4	7.53	7.06	5.26	4.44	3.59	2.88	2.34	2.13	1.73	1.73	2.10
HQ	34.1	67.2	64.0	10.6	10.3	8.81	6.04	7.38	3.70	3.50	4.94	3.13	2.95	6.48
Tag	9.	31.	3.	3.	4.	20.	10.+	9.	3.+	29.	11.	9.+	4.	14.
h_N mm														
h_A mm	32	43	58	25	26	19	17	13	11	9	8	6	6	8

	1936/2002		1937/2003 67 Jahre											
Jahr	1959	1947	1977	1960	1954	1960	1960	1977	1992	1976	1960	1960	1959	1947
NQ	0.600	0.640	0.700	0.800	0.870	1.00	0.800	0.560	0.540	0.560	0.700	0.600	0.600	0.640
MNQ	2.01	2.39	2.86	3.31	3.70	3.89	3.21	2.78	2.50	2.18	1.99	1.91	2.02	2.38
MQ	3.10	4.28	4.99	6.00	6.63	5.34	4.29	3.84	3.30	2.86	2.42	2.51	3.10	4.26
MHQ	12.8	18.1	22.4	23.8	25.9	14.1	12.8	11.5	9.23	7.00	4.65	6.07	12.7	18.1
HQ	147	80.9	85.2	124	147	65.0	50.4	80.8	87.2	37.6	19.5	30.1	147	80.9
Jahr	1940	1947	1948	1946	1956	1994	1950	1981	1956	1972	1987	1974	1940	1947
Mh_N mm														
Mh_A mm	11	16	19	20	25	19	16	14	12	11	9	9	11	16

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	1.40	am 19.10.2003	3.90	1.40	1.40	am 19.10.2003
MQ m^3/s	6.04		9.28	2.85	4.68	
HQ m^3/s	67.2	am 31.12.2002	67.2	7.38	64.0	am 03.01.2003
Nq $l/(s km^2)$	1.96		5.45	1.96	1.96	
Mq $l/(s km^2)$	8.44		13.0	3.98	6.54	
Hq $l/(s km^2)$	93.9		93.9	10.3	89.4	
h_N mm						
h_A mm	266		203	63	206	

	1937/2003 (*) 67 Jahre				1937/2003	
NQ m^3/s	0.540	am 30.07.1992	0.600	0.540	0.540	am 30.07.1992
MNQ m^3/s	1.43		1.86	1.76	1.55	
MQ m^3/s	4.12		5.05	3.20	4.12	
MHQ m^3/s	49.5		46.5	20.5	51.2	
HQ m^3/s	147	am 05.11.1940	147	87.2	147	am 05.11.1940
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	2.00		2.60	2.46	2.16	
Mq $l/(s km^2)$	5.75		7.05	4.47	5.75	
MHq $l/(s km^2)$	69.1		64.9	28.6	71.5	
Mh_N mm						
Mh_A mm	181		110	71	181	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.540	0.754	30.07.1992	147	205		05.03.1956
2	0.560	0.782	17.06.1977	147	205		05.11.1940
3	0.560	0.782	25.08.1976	124	173		09.02.1946
4	0.600	0.838	11.10.1960	124	173		20.03.1942
5	0.600	0.838	01.11.1959+	122	170		15.03.1947
6	0.640	0.894	07.10.1949+	116	162		09.02.1941
7	0.640	0.894	08.12.1947+	87.2	122		20.07.1956
8	0.650	0.908	22.06.1954	85.2	119		14.01.1948
9	0.670	0.936	01.07.1992	80.9	113		28.12.1947
10	0.670	0.936	15.12.1991+	80.8	113		04.06.1981

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1937/2003 67 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	59.1	59.1	117	33.6	8.22
363	47.4	39.8	76.6	26.3	7.86
362	39.8	31.8	69.4	21.8	6.92
361	35.7	22.0	69.4	19.6	6.70
360	34.5	20.6	69.4	17.6	6.04
359	31.8	17.3	53.8	16.4	5.84
358	22.0	15.3	32.6	15.0	5.68
357	20.6	14.0	31.2	14.1	4.40
356	20.3	13.0	29.3	13.4	4.40
350	15.8	11.9	21.9	10.7	2.83
340	12.8	10.9	17.7	8.60	2.22
330	11.7	9.58	16.1	7.40	2.12
320	10.9	8.32	13.6	6.70	1.96
300	8.32	7.15	11.5	5.56	1.80
270	7.15	5.82	9.00	4.57	1.63
240	6.26	5.16	7.70	3.91	1.62
210	5.60	3.90	6.98	3.47	1.44
183	5.16	3.50	6.52	3.14	1.35
150	3.90	2.78	5.78	2.78	1.17
130	3.50	2.61	5.64	2.55	1.06
120	3.31	2.45	5.42	2.48	1.06
110	3.13	2.45	5.42	2.34	1.06
100	2.95	2.30	5.42	2.22	1.06
90	2.78	2.16	5.42	2.13	1.06
80	2.61	2.02	5.21	2.02	1.06
70	2.45	2.02	5.00	1.90	1.06
60	2.45	2.02	5.00	1.77	0.960
50	2.30	1.89	5.00	1.65	0.960
40	2.02	1.89	4.80	1.56	0.960
30	2.02	1.76	4.60	1.42	0.930
25	1.89	1.76	4.60	1.35	0.930
20	1.89	1.76	4.60	1.27	0.870
15	1.89	1.76	4.60	1.20	0.870
10	1.76	1.64	4.40	1.10	0.800
9	1.76	1.64	4.40	1.07	0.800
8	1.76	1.64	4.40	1.05	0.800
7	1.76	1.64	4.40	1.02	0.800
6	1.76	1.64	4.40	1.00	0.800
5	1.76	1.64	4.40	0.990	0.760
4	1.76	1.64	4.40	0.920	0.760
3	1.64	1.64	4.40	0.900	0.700
2	1.64	1.64	4.20	0.880	0.700
1	1.64	1.64	4.20	0.800	0.630
0	1.40	1.40	4.00	0.540	0.540

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch Talsperren in Nebenläufen
153 Tage Verkrautung

A_{Eo} : 4174 km^2

PNP : NN + 122.65 m

Lage: 76.6 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Oldisleben Nr. 573110

Gewässer : Unstrut

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	25.5	80.7	119	48.6	30.9	26.4	19.7	21.6	12.0	9.77	8.64	8.46	9.77	10.9
2.	25.2	75.4	140	46.8	33.3	27.0	19.2	19.2	12.4	9.38	8.64	8.27	9.77	10.7
3.	34.5	77.3	186	46.8	38.7	27.3	20.0	14.2	12.0	9.20	8.46	8.46	9.57	10.3
4.	44.7	68.7	191	50.0	41.2	25.5	19.5	14.8	11.8	8.82	8.27	9.01	9.96	9.96
5.	51.0	53.4	177	47.2	39.3	24.9	19.0	14.6	11.4	8.46	7.93	10.5	10.2	9.96
6.	44.4	49.6	136	44.4	38.7	24.6	19.0	18.7	11.4	7.93	9.77	10.7	9.77	10.2
7.	39.0	46.1	119	42.2	44.4	24.1	18.5	18.2	11.1	7.93	8.64	9.38	9.77	9.96
8.	38.1	42.6	114	41.9	43.3	24.1	18.2	16.7	11.1	7.93	8.64	9.57	9.77	9.96
9.	42.6	39.6	111	42.6	39.9	23.8	19.2	17.7	10.9	7.76	8.46	10.7	9.77	9.57
10.	59.5	T 36.6	108	41.2	38.4	24.1	21.6	16.2	10.9	7.76	8.46	10.5	10.2	9.57
11.	57.1	T 35.4	99.8	39.6	36.9	23.8	20.5	17.5	10.9	7.93	9.77	9.96	12.0	9.96
12.	62.6	T 33.9	96.3	38.4	41.2	22.9	20.5	16.0	10.5	7.76	13.3	9.57	13.1	9.96
13.	57.1	33.6	93.3	37.2	43.3	22.7	21.3	15.8	10.5	7.59	12.6	9.38	13.1	10.2
14.	42.6	33.0	80.0	35.7	39.0	20.5	21.6	14.2	10.3	7.76	11.4	9.38	13.7	13.1
15.	41.9	32.1	75.8	34.8	37.2	17.2	20.8	13.5	9.96	7.76	10.5	9.38	13.5	21.3
16.	44.7	31.5	70.9	34.2	35.7	16.0	20.3	13.3	9.77	7.76	8.82	9.38	13.3	17.0
17.	44.0	33.3	66.1	33.6	35.1	15.8	19.5	12.8	9.77	7.59	8.27	9.38	13.9	15.8
18.	40.5	32.4	62.6	33.3	34.8	15.8	18.7	12.6	9.77	7.59	8.82	9.38	13.9	14.6
19.	36.3	29.4	59.1	33.3	34.2	16.2	20.0	13.3	9.38	7.76	7.93	9.38	13.1	13.7
20.	34.2	29.4	58.1	33.0	33.3	22.7	21.0	13.3	9.20	7.42	8.10	9.38	12.2	12.8
21.	32.7	29.1	58.1	32.7	32.7	19.7	19.7	13.1	9.01	7.42	8.10	9.96	12.2	12.8
22.	31.5	29.1	56.7	32.1	31.2	18.0	19.2	12.6	9.38	7.42	8.10	10.2	11.8	15.1
23.	31.8	65.8	53.4	31.5	30.6	17.5	19.0	12.4	9.20	7.42	8.10	10.2	10.5	15.3
24.	29.7	60.1	57.4	30.9	30.3	17.5	18.7	12.4	9.38	7.42	8.27	9.96	9.57	13.1
25.	28.5	61.5	54.6	30.6	29.7	18.2	18.0	12.2	9.57	7.42	8.10	9.77	9.57	12.2
26.	27.0	62.2	51.8	30.6	29.1	21.3	17.0	12.0	10.9	7.59	8.10	9.57	9.57	12.2
27.	25.8	70.2	50.6	30.0	28.8	20.5	16.5	11.8	10.3	8.10	8.10	9.57	9.77	12.4
28.	24.9	70.2	53.4	30.3	29.4	20.5	16.2	11.8	10.3	7.93	8.10	9.57	10.2	12.2
29.	26.4	64.4	60.8		28.2	20.5	16.2	11.6	12.4	8.27	8.64	9.57	14.4	12.0
30.	55.7	90.3	59.5		27.6	20.3	16.0	11.6	11.4	9.01	8.64	9.96	12.4	11.8
31.		141	54.2		27.0		16.7		10.2	8.82		9.96		11.4

Hauptwerte

Tag	28.	21.+	27.	27.	31.	17.+	30.	29.+	21.	20.+	5.+	2.	3.+	9.+
NQ	24.9	29.1	50.6	30.0	27.0	15.8	16.0	11.6	9.01	7.42	7.93	8.27	9.57	9.57
MQ	39.3	52.8	89.5	37.6	34.9	21.3	19.1	14.5	10.6	8.02	8.92	9.63	11.3	12.3
HQ	82.1	155	201	51.4	47.8	28.5	22.7	24.1	13.3	10.2	16.0	15.3	15.3	22.9
Tag	30.	31.	4.	4.	7.	3.	10.	6.	29.	27.	12.	5.	18.	15.
h_N mm														
h_A mm	24	34	57	22	22	13	12	9	7	5	6	6	7	8
	1922/2002		1923/2003 77 Jahre											
Jahr	1949	1976	1954	1949	1963	1934	1977	1934	1976	1976	1976	1949	1949	1976
NQ	3.32	3.45	4.44	5.04	5.82	5.52	4.40	3.94	3.15	2.85	2.50	3.44	3.32	3.45
MNQ	10.9	11.9	13.9	16.1	17.9	19.3	14.8	12.2	9.65	8.85	8.56	8.81	10.8	11.6
MQ	15.8	19.2	23.6	25.5	29.2	27.9	20.8	17.6	14.1	11.7	10.9	12.3	15.7	18.9
MHQ	29.0	39.6	50.0	48.7	54.3	44.0	34.9	32.1	27.0	20.2	18.0	21.5	28.7	39.5
HQ	124	155	201	117	220	157	113	146	138	120	61.5	65.4	124	155
Jahr	1998	2002	2003	1982	1947	1994	1961	1961	1956	1981	1998	1998	1998	2002
Mh_N mm														
Mh_A mm	10	12	15	15	19	17	13	11	9	8	7	8	10	12

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	7.42	am 20.08.2003	15.8	7.42	7.42	am 20.08.2003
MQ	m^3/s	28.9		46.2	11.8	23.1	
HQ	m^3/s	201	am 04.01.2003	201	24.1	201	am 04.01.2003
Nq	$l/(s km^2)$	1.78		3.79	1.78	1.78	
Mq	$l/(s km^2)$	6.92		11.1	2.83	5.53	
Hq	$l/(s km^2)$	48.2		48.2	5.77	48.2	
h_N	mm						
h_A	mm	218		173	45	175	
		1923/2003 (*) 78 Jahre				1923/2003	
NQ	m^3/s	2.50	am 02.09.1976	3.32	2.50	2.50	am 02.09.1976
MNQ	m^3/s	7.07		9.61	7.66	7.34	
MQ	m^3/s	18.9		23.4	14.5	19.0	
MHQ	m^3/s	79.3		76.1	46.3	82.7	
HQ	m^3/s	220	am 16.03.1947	220	146	220	am 16.03.1947
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	1.69		2.30	1.84	1.76	
Mq	$l/(s km^2)$	4.53		5.61	3.47	4.55	
MHq	$l/(s km^2)$	19.0		18.2	11.1	19.8	
Mh_N	mm						
Mh_A	mm	143		88	55	144	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	2.50	0.599	02.09.1976+	220	52.7		16.03.1947
2	3.32	0.795	03.11.1949	201	48.2		04.01.2003
3	3.41	0.817	06.07.1934+	164	39.3		28.03.1987
4	3.80	0.910	07.09.1991	157	37.6		14.04.1994+
5	4.00	0.958	03.06.1977	157	37.6		02.01.1987
6	4.08	0.977	25.08.1935+	155	37.1		31.12.2002
7	4.20	1.01	10.12.1948	146	35.0		13.06.1961
8	4.38	1.05	17.12.1933	144	34.5		04.01.1982
9	4.44	1.06	08.01.1954	138	33.1		23.07.1956
10	4.60	1.10	22.07.1977+	135	32.3		05.12.1981

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1923/2003 77 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	191	191	196	97.1	19.4
363	186	186	186	84.4	16.7
362	177	177	177	78.5	12.7
361	141	140	140	74.5	12.5
360	140	136	136	71.2	12.4
359	136	136	136	68.7	12.4
358	136	136	136	66.1	12.4
357	136	114	119	63.6	12.0
356	114	111	117	61.7	12.0
350	90.3	75.8	99.4	52.6	11.2
340	66.1	56.7	84.7	43.1	10.1
330	60.1	47.2	80.7	37.6	9.34
320	54.2	41.9	76.5	33.3	8.78
300	44.0	33.6	69.6	27.7	8.00
270	36.3	24.9	53.5	22.4	6.56
240	31.2	20.0	42.1	18.8	5.40
210	25.2	16.5	38.6	16.1	5.16
183	20.3	13.5	33.6	14.2	4.92
150	16.5	12.0	28.4	12.5	4.71
130	12.8	10.7	25.6	11.5	4.44
120	12.0	10.3	24.3	11.1	4.44
110	11.4	10.2	22.8	10.6	4.32
100	10.7	10.2	22.0	10.2	4.27
90	10.2	9.96	21.1	9.68	4.27
80	9.96	9.77	20.8	9.20	4.27
70	9.57	9.57	19.9	8.66	4.16
60	9.57	9.57	19.3	8.24	4.16
50	9.01	9.01	18.8	7.74	4.16
40	8.64	8.64	18.5	7.22	4.05
30	8.27	8.27	17.8	6.72	4.00
25	8.27	8.27	17.5	6.43	3.80
20	8.10	8.10	17.2	6.14	3.60
15	7.93	7.93	16.5	5.84	3.60
10	7.93	7.93	16.0	5.41	3.45
9	7.76	7.76	16.0	5.30	3.30
8	7.76	7.76	16.0	5.18	3.30
7	7.76	7.76	15.5	5.08	3.15
6	7.76	7.76	15.5	4.93	3.15
5	7.59	7.59	15.5	4.82	3.15
4	7.59	7.59	15.5	4.67	2.85
3	7.59	7.59	15.0	4.40	2.70
2	7.59	7.59	15.0	4.20	2.70
1	7.59	7.59	15.0	4.00	2.70
0	7.42	7.42	14.5	2.50	2.50

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1943-1946; AJ 1944-1946

Beinflussung durch Talsperren

3 Tage Treibeis/Eisgang

A_{Eo} : 175 km^2

PNP : NN + 293.58 m

Lage: 45.2 km oberhalb Mündung links

Q

m^3/s

Pegel : Arnstadt — Nr. 574200

Gewässer : Gera

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	3.02	5.04	12.8	2.66	1.64	1.36	0.970	1.09	0.490	0.430	0.490	0.660	0.970	1.22
2.	3.77	5.04	15.3	2.48	1.95	1.64	0.970	0.760	0.490	0.430	0.490	0.660	0.970	1.22
3.	4.39	4.82	23.1	2.48	2.48	1.50	0.970	0.570	0.490	0.430	0.490	0.660	0.860	1.36
4.	4.82	4.82	20.1	2.48	2.48	1.50	0.970	0.570	0.490	0.430	0.490	0.760	0.760	1.36
5.	4.82	4.60	15.0	2.30	2.48	1.36	0.860	0.490	0.490	0.430	0.490	0.760	0.760	1.50
6.	4.60	4.39	12.2	2.12	2.48	1.36	0.860	0.570	0.490	0.430	0.490	0.860	0.660	1.36
7.	4.39	3.97	9.82	2.12	2.66	1.36	0.860	0.490	0.490	0.370	0.490	0.860	0.570	1.36
8.	4.18	3.58	8.42	2.12	2.66	1.36	0.860	0.490	0.430	0.370	0.490	1.09	0.660	1.36
9.	6.14	3.20	7.36	2.12	2.48	1.36	1.36	0.570	0.430	0.370	0.490	1.50	0.660	1.36
10.	5.92	3.02	6.37	2.12	2.48	1.22	1.09	0.490	0.490	0.370	0.490	1.36	0.660	1.22
11.	5.70	2.84	5.92	1.79	2.66	1.22	1.09	0.570	0.490	0.370	0.760	1.22	0.570	1.22
12.	5.92	2.66	5.48	1.79	3.20	1.22	1.09	0.490	0.430	0.370	1.09	1.09	0.570	1.22
13.	6.37	2.66	4.82	1.79	3.02	1.22	1.22	0.490	0.430	0.370	0.860	0.660	0.570	1.36
14.	6.14	2.48	4.60	1.64	2.84	1.22	1.09	0.490	0.430	0.370	0.660	0.660	0.570	3.39
15.	5.48	2.48	3.77	1.64	2.66	1.22	1.09	0.570	0.370	0.370	0.570	0.660	0.570	3.02
16.	5.04	2.48	3.58	1.79	2.48	1.22	1.09	0.490	0.370	0.370	0.570	0.760	0.570	2.30
17.	4.60	2.48	3.20	1.64	2.48	1.36	0.970	0.490	0.370	0.370	0.570	0.760	0.660	1.79
18.	3.97	2.30	3.20	1.64	2.30	1.36	1.09	0.570	0.370	0.370	0.570	0.760	0.660	1.64
19.	4.18	2.12	3.20	1.64	2.30	1.36	1.36	0.570	0.370	0.370	0.570	0.760	0.760	1.50
20.	3.77	2.12	3.20	1.50	2.12	1.36	1.36	0.490	0.430	0.370	0.570	0.760	0.760	1.36
21.	3.58	1.95	3.02	1.50	2.12	1.36	1.36	0.490	0.430	0.370	0.570	0.760	0.760	1.95
22.	3.20	2.12	3.02	1.50	1.95	1.36	1.22	0.490	0.430	0.370	0.570	0.760	0.760	1.95
23.	2.84	3.58	2.84	1.50	1.79	1.22	1.09	0.570	0.430	0.370	0.660	0.760	0.760	1.50
24.	2.66	3.39	2.84	1.50	1.64	1.22	0.970	0.490	0.490	0.370	0.660	0.760	0.760	1.36
25.	2.48	3.20	2.66	1.50	1.64	1.22	0.970	0.490	0.570	0.370	0.660	0.760	0.760	1.22
26.	2.48	3.20	2.48	1.36	1.50	1.22	0.970	0.490	0.490	0.370	0.660	0.760	0.860	1.22
27.	2.30	3.20	2.48	1.36	1.50	1.36	0.970	0.490	0.490	0.370	0.660	0.760	0.860	1.22
28.	2.48	3.20	2.84	1.50	1.50	1.36	0.970	0.490	0.570	0.370	0.660	0.760	0.970	1.09
29.	2.84	3.20	2.84		1.50	1.36	0.970	0.490	0.490	0.430	0.660	0.760	1.50	1.22
30.	5.26	8.98	2.84		1.50	1.22	0.970	0.430	0.490	0.430	0.760	0.760	1.36	1.09
31.		16.3	2.84		1.50		1.22		0.490	0.490		0.760		0.970

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	27.	21.	26.+	26.+	26.+	10.+	5.+	30.	15.+	7.+	1.+	1.+	7.+	31.
NQ	2.30	1.95	2.48	1.36	1.50	1.22	0.860	0.430	0.370	0.370	0.490	0.660	0.570	0.970
MQ	4.24	3.85	6.52	1.84	2.19	1.32	1.06	0.541	0.458	0.389	0.607	0.826	0.771	1.51
HQ	7.11	17.7	24.4	3.02	3.77	1.95	2.30	1.36	0.860	0.760	1.36	1.79	1.50	3.97
Tag	9.	31.	3.	1.	12.	2.	31.	1.	3.	31.	12.	9.	29.	14.
h_N mm														
h_A mm	63	59	100	25	34	20	16	8	7	6	9	13	11	23

	1924/2002		1925/2003						74 Jahre					
Jahr	1948	1948	1949	1949	1963	1959	1963	2003	1949	1964	1964	1964	1964	1962
NQ	0.250	0.210	0.210	0.310	0.330	0.740	0.720	0.430	0.340	0.250	0.250	0.330	0.320	0.420
MNQ	1.22	1.34	1.47	1.66	1.82	2.35	1.65	1.27	1.02	0.904	0.841	0.929	1.22	1.36
MQ	2.29	2.74	2.99	2.93	3.38	3.93	2.53	2.03	1.55	1.33	1.28	1.61	2.27	2.79
MHQ	6.16	7.40	8.23	6.70	7.63	8.06	4.75	4.48	3.46	3.74	2.71	3.82	5.99	7.54
HQ	50.0	34.5	32.1	27.2	28.5	58.9	15.9	25.5	14.0	75.7	14.4	16.0	50.0	34.5
Jahr	1940	1939	1993	2002	1981	1994	1941	1933	1955	1981	1998	1954	1940	1939
Mh_N mm														
Mh_A mm	34	42	46	41	52	58	39	30	24	20	19	25	34	43

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.370	am 15.07.2003	1.22	0.370	0.370	am 15.07.2003
MQ m^3/s	1.99		3.36	0.648	1.51	
HQ m^3/s	24.4	am 03.01.2003	24.4	2.30	24.4	am 03.01.2003
Nq $l/(s km^2)$	2.12		6.98	2.12	2.12	
Mq $l/(s km^2)$	11.4		19.2	3.71	8.64	
Hq $l/(s km^2)$	140		140	13.2	140	
h_N mm						
h_A mm	359		301	59	273	
	1925/2003 (*) 75 Jahre				1925/2003	
NQ m^3/s	0.210	am 27.12.1948	0.210	0.250	0.210	am 01.01.1949
MNQ m^3/s	0.678		0.939	0.728	0.684	
MQ m^3/s	2.38		3.05	1.73	2.38	
MHQ m^3/s	17.0		15.6	8.38	16.8	
HQ m^3/s	75.7	am 10.08.1981	58.9	75.7	75.7	am 10.08.1981
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	3.88		5.37	4.17	3.92	
Mq $l/(s km^2)$	13.6		17.5	9.90	13.6	
MHq $l/(s km^2)$	97.3		89.3	48.0	96.2	
Mh_N mm						
Mh_A mm	430		273	157	430	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.210	1.20	27.12.1948+	75.7	433		10.08.1981
2	0.250	1.43	28.08.1964+	58.9	337		13.04.1994
3	0.300	1.72	08.09.1949	50.0	286		05.11.1940
4	0.320	1.83	13.12.1924+	34.5	197		01.12.1939
5	0.330	1.89	05.02.1963+	32.1	184		12.01.1993
6	0.350	2.00	15.02.1954+	30.0	172		20.01.1986
7	0.370	2.12	15.07.2003+	29.6	169		30.11.1939
8	0.390	2.23	17.08.1976	28.5	163		28.03.1981+
9	0.400	2.29	07.01.1954+	27.2	156		27.02.2002
10	0.420	2.40	17.01.1964	26.8	153		31.12.1925

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1925/2003 74 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	23.1	23.1	45.6	14.9	4.03
363	20.1	20.1	36.5	12.5	3.90
362	16.3	15.3	27.2	11.1	3.60
361	15.3	15.0	26.2	10.2	3.45
360	15.0	12.8	20.5	9.51	3.45
359	12.8	12.2	20.1	9.00	3.45
358	12.2	9.82	16.3	8.64	2.99
357	9.82	8.42	15.6	8.27	2.99
356	8.98	7.36	15.3	7.94	2.99
350	6.37	3.77	12.0	6.77	2.83
340	5.26	3.20	9.71	5.53	2.47
330	4.60	2.84	8.42	4.82	1.95
320	3.77	2.66	7.65	4.26	1.79
300	3.20	2.12	6.52	3.60	1.50
270	2.66	1.64	5.13	2.85	1.22
240	1.95	1.50	4.41	2.32	1.09
210	1.50	1.36	3.90	1.96	1.01
183	1.36	1.09	3.45	1.73	0.960
150	1.09	0.860	2.98	1.50	0.800
130	0.860	0.760	2.69	1.37	0.720
120	0.760	0.760	2.69	1.29	0.720
110	0.760	0.660	2.54	1.23	0.610
100	0.660	0.660	2.37	1.16	0.610
90	0.660	0.660	2.18	1.10	0.500
80	0.570	0.570	2.12	1.07	0.500
70	0.570	0.570	1.95	1.00	0.500
60	0.570	0.570	1.95	0.930	0.500
50	0.570	0.570	1.80	0.870	0.420
40	0.490	0.490	1.79	0.830	0.410
30	0.490	0.490	1.79	0.763	0.410
25	0.430	0.430	1.64	0.680	0.410
20	0.430	0.430	1.64	0.670	0.400
15	0.430	0.430	1.64	0.590	0.340
10	0.430	0.430	1.50	0.540	0.300
9	0.430	0.430	1.50	0.520	0.300
8	0.430	0.430	1.50	0.520	0.300
7	0.430	0.430	1.50	0.500	0.300
6	0.430	0.430	1.50	0.500	0.300
5	0.430	0.430	1.50	0.470	0.300
4	0.430	0.430	1.50	0.450	0.300
3	0.430	0.430	1.50	0.430	0.300
2	0.430	0.430	1.50	0.430	0.300
1	0.430	0.430	1.50	0.340	0.230
0	0.370	0.370	1.22	0.210	0.210

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1944-1948; AJ 1945-1948

Beeinflussung durch Überleitung in das Einzugsgebiet der Talsperre Ohra

A_{Eo} : 843 km^2

PNP : NN + 213.21 m

Lage: 29.7 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Erfurt-Möbisburg Nr. 574210

Gewässer : Gera

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	6.62	31.0	46.0	9.70	6.62	5.58	3.86	3.64	2.18	1.51	1.32	1.32	1.42	1.70
2.	9.35	20.7	56.0	9.35	8.36	6.62	3.86	3.20	2.06	1.42	1.23	1.32	1.32	1.70
3.	13.5	18.8	71.5	10.0	10.0	5.90	3.64	2.84	2.06	1.42	1.16	1.32	1.32	1.82
4.	16.4	17.2	64.5	10.4	10.4	5.58	3.64	2.66	2.06	1.42	1.16	1.42	1.51	1.70
5.	14.2	16.4	46.0	9.35	9.70	5.26	3.64	2.66	2.06	1.42	1.16	1.51	1.51	1.70
6.	12.5	15.7	36.6	8.69	10.0	5.26	3.20	2.48	2.06	1.42	1.16	1.42	1.42	1.70
7.	11.4	14.6	27.4	8.36	11.4	4.94	3.20	2.48	2.06	1.32	1.16	1.61	1.42	1.61
8.	11.4	13.5	23.4	8.03	10.4	4.94	3.20	2.30	2.06	1.32	1.23	1.61	1.42	1.61
9.	19.4	12.8	20.2	8.36	9.70	4.62	5.26	2.18	2.06	1.94	1.23	1.82	1.32	1.61
10.	17.6	12.2	19.1	8.03	9.35	4.62	4.62	2.18	1.82	1.61	1.16	1.70	1.23	1.70
11.	18.8	11.1	18.8	7.70	9.35	4.62	3.86	2.48	1.82	1.23	1.51	1.70	1.16	1.61
12.	17.9	10.4	16.8	7.34	11.4	4.30	4.62	2.48	1.82	1.16	1.70	1.51	1.16	1.61
13.	16.4	10.0	16.8	6.98	10.8	4.30	4.62	2.66	1.70	1.16	1.42	1.51	1.16	1.61
14.	14.6	10.0	19.1	5.90	10.0	4.08	4.30	2.30	1.82	1.16	1.32	1.51	1.16	4.62
15.	12.8	10.0	16.4	5.90	9.70	4.08	3.86	2.30	1.94	1.23	1.23	1.42	1.16	4.94
16.	11.4	10.0	15.0	5.90	9.02	4.08	3.64	2.48	1.94	1.16	1.16	1.42	1.23	3.86
17.	10.8	10.0	13.9	5.58	9.02	3.86	3.42	2.18	1.94	1.16	1.16	1.42	1.42	3.20
18.	9.35	9.70	12.8	5.26	9.02	3.86	3.64	2.48	1.94	1.23	1.23	1.82	1.32	2.84
19.	9.35	9.35	12.5	5.26	8.36	4.08	4.30	2.30	1.94	1.23	1.23	1.82	1.42	2.48
20.	9.02	9.35	12.2	5.26	8.03	4.30	4.08	2.18	1.94	1.23	1.16	1.82	1.42	2.30
21.	8.36	9.02	11.8	5.90	7.70	4.08	4.08	2.18	1.94	1.23	1.16	1.94	1.42	2.84
22.	7.70	9.70	11.4	5.90	7.34	3.86	3.42	2.18	1.94	1.23	1.16	1.94	1.42	3.42
23.	7.70	17.6	10.8	5.58	6.98	3.64	3.20	2.18	2.06	1.23	1.32	1.82	1.51	2.84
24.	6.62	16.8	11.4	5.58	6.62	3.42	3.20	2.18	2.06	1.23	1.32	1.61	1.32	2.66
25.	6.26	16.4	10.4	5.26	6.62	3.42	3.02	2.06	2.30	1.23	1.32	1.61	1.23	2.48
26.	5.90	15.3	10.0	5.26	6.26	3.42	3.02	2.06	1.70	1.23	1.23	1.61	1.42	2.48
27.	5.26	15.3	10.0	5.26	6.26	3.42	3.20	2.06	1.61	1.23	1.23	1.70	1.42	2.30
28.	5.58	15.7	10.4	5.58	6.26	3.86	3.02	1.94	2.06	1.23	1.42	1.94	1.82	2.30
29.	7.70	15.0	11.1		6.26	3.64	3.02	2.06	1.70	1.42	1.42	1.61	2.18	2.06
30.	43.0	31.0	10.8		5.58	3.64	2.84	2.06	1.61	1.32	1.32	1.51	1.94	1.94
31.		68.5	10.4		5.58		4.08		1.61	1.32		1.51		1.94
Tag	27.	21.	26.+	18.+	30.+	24.+	30.	28.	27.+	12.+	3.+	1.+	11.+	7.+
NQ	5.26	9.02	10.0	5.26	5.58	3.42	2.84	1.94	1.61	1.16	1.16	1.32	1.16	1.61
MQ	12.2	16.2	22.0	6.99	8.45	4.38	3.70	2.38	1.93	1.31	1.27	1.61	1.41	2.36
HQ	61.5	82.4	81.7	10.8	12.5	7.34	8.69	4.94	3.64	4.30	3.86	2.18	2.48	5.90
Tag	30.	31.	3.	3.+	12.	2.	9.	1.	25.	9.	11.	9.	28.	14.
h_N mm														
h_A mm	38	51	70	20	27	13	12	7	6	4	4	5	4	8

	1930/2002		1931/2003						73 Jahre					
Jahr	1949	1991	1963	1963	1963	1974	1992	1976	1959	1964	1959	1959	1949	1991
NQ	0.780	0.760	0.810	0.730	0.810	1.76	1.45	0.750	0.600	0.560	0.480	0.480	0.780	0.760
MNQ	2.73	3.08	3.38	3.99	4.61	5.39	3.69	2.82	2.28	1.96	1.85	2.01	2.70	3.07
MQ	5.17	6.70	7.58	8.05	9.23	9.68	6.02	5.04	3.83	3.22	2.88	3.58	5.04	6.68
MHQ	15.0	20.4	24.0	21.8	25.7	23.4	13.8	16.7	10.6	11.1	6.61	8.59	14.5	20.4
HQ	114	133	81.7	166	133	220	84.4	121	66.3	176	31.4	57.6	114	133
Jahr	1940	1947	2003	1946	1942	1994	1969	1961	1956	1981	1998	1960	1940	1947
Mh_N mm														
Mh_A mm	16	21	24	23	29	30	19	16	12	10	9	11	16	21

Hauptwerte

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	1.16	am 12.08.2003	3.42	1.16	1.16	am 12.08.2003
MQ	m^3/s	6.90		11.8	2.03	4.83	
HQ	m^3/s	82.4	am 31.12.2002	82.4	8.69	81.7	am 03.01.2003
Nq	$l/(skm^2)$	1.38		4.06	1.38	1.38	
Mq	$l/(skm^2)$	8.19		14.0	2.41	5.73	
Hq	$l/(skm^2)$	97.8		97.8	10.3	96.9	
h_N	mm						
h_A	mm	258		219	38	181	
		1931/2003 (*) 73 Jahre				1931/2003	
NQ	m^3/s	0.480	am 24.09.1959	0.730	0.480	0.480	am 24.09.1959
MNQ	m^3/s	1.36		2.05	1.56	1.50	
MQ	m^3/s	5.90		7.73	4.10	5.89	
MHQ	m^3/s	54.2		48.0	28.2	53.8	
HQ	m^3/s	220	am 13.04.1994	220	176	220	am 13.04.1994
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(skm^2)$	1.61		2.43	1.85	1.78	
Mq	$l/(skm^2)$	7.00		9.17	4.86	6.99	
MHq	$l/(skm^2)$	64.3		57.0	33.5	63.8	
Mh_N	mm						
Mh_A	mm	221		143	77	220	

Extremwerte

	Niedrigwasser m^3/s	$l/(skm^2)$	Datum	Hochwasser m^3/s	$l/(skm^2)$	cm	Datum
1	0.480	0.570	24.09.1959+	220	261		13.04.1994
2	0.490	0.581	02.09.1962	176	209		11.08.1981
3	0.500	0.593	30.09.1948+	166	197		09.02.1946
4	0.560	0.664	27.08.1964+	133	158		29.12.1947
5	0.620	0.736	28.10.1949	133	158		18.03.1942
6	0.660	0.783	10.07.1976+	121	144		10.06.1961
7	0.760	0.902	17.12.1991	114	135		05.11.1940
8	0.850	1.01	16.08.1989+	99.9	119		11.03.1981
9	0.900	1.07	11.08.1935+	91.1	108		29.04.1961+
10	0.940	1.12	13.08.1990	84.5	100		21.08.1977

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1931/2003 73 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	71.5	71.5	172	43.5	11.8
363	68.5	64.5	114	35.6	8.42
362	64.5	56.0	91.8	31.5	8.09
361	56.0	56.0	77.4	28.6	7.76
360	56.0	56.0	71.0	26.9	7.43
359	56.0	36.6	68.4	25.3	7.10
358	43.0	27.4	65.9	24.2	6.84
357	36.6	23.4	61.8	23.3	6.84
356	36.6	20.2	59.7	22.3	6.84
350	19.4	16.4	46.4	18.7	6.04
340	17.2	11.8	29.6	14.9	5.51
330	15.7	10.8	24.1	12.6	4.40
320	13.5	10.0	22.8	11.1	3.61
300	11.1	7.34	19.4	8.84	3.07
270	9.70	5.58	15.1	6.87	2.62
240	6.98	4.08	12.7	5.58	2.35
210	5.58	3.20	11.1	4.50	2.15
183	4.08	2.48	10.4	3.86	1.78
150	3.02	2.06	8.64	3.25	1.45
130	2.30	1.94	7.62	2.89	1.18
120	2.18	1.82	7.62	2.72	1.18
110	2.06	1.70	7.28	2.56	1.18
100	2.06	1.70	7.28	2.43	1.10
90	1.94	1.61	7.28	2.31	0.980
80	1.70	1.51	6.94	2.19	0.920
70	1.61	1.51	6.94	2.06	0.860
60	1.51	1.42	6.31	1.95	0.840
50	1.51	1.42	6.31	1.81	0.840
40	1.42	1.32	6.02	1.66	0.820
30	1.32	1.32	5.73	1.51	0.680
25	1.32	1.32	5.73	1.45	0.600
20	1.32	1.23	5.44	1.35	0.600
15	1.23	1.23	5.44	1.24	0.560
10	1.23	1.23	5.44	1.10	0.560
9	1.23	1.23	5.44	1.06	0.560
8	1.23	1.23	5.15	1.06	0.520
7	1.23	1.23	5.15	1.00	0.520
6	1.23	1.23	5.15	0.950	0.520
5	1.23	1.23	5.15	0.920	0.520
4	1.23	1.23	5.15	0.850	0.520
3	1.23	1.23	5.15	0.830	0.520
2	1.23	1.23	5.15	0.760	0.520
1	1.23	1.23	5.15	0.680	0.520
0	1.16	1.16	4.86	0.480	0.480

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

Beeinflussung durch Talsperre Ohra und in geringfügigem Maße durch die Talsperren Tambach-Dietharz und Heyda

A_{Eo} : 12.1 km^2

PNP : NN + 473.60 m

Lage: 35.2 km oberhalb Mündung links

Q

m^3/s

Pegel : Tambach-Dietharz 1 Nr. 574600

Gewässer : Apfelstädt

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.710	0.360	2.75	0.390	0.100	0.170	0.090	0.140	0.040	0.020	0.020	0.030	0.070	0.220
2.	0.750	0.460	2.41	0.390	0.120	0.170	0.090	0.130	0.040	0.020	0.020	0.030	0.070	0.220
3.	0.900	0.490	2.66	0.370	0.220	0.170	0.090	0.130	0.040	0.020	0.020	0.030	0.060	0.220
4.	1.40	0.490	2.50	0.340	0.260	0.170	0.090	0.110	0.040	0.020	0.020	0.030	0.070	0.220
5.	1.53	0.480	2.01	0.310	0.310	0.170	0.090	0.110	0.040	0.020	0.020	0.030	0.070	0.220
6.	1.40	0.440	1.66	0.290	0.360	0.160	0.090	0.100	0.040	0.020	0.020	0.030	0.070	0.220
7.	1.23	0.410	1.34	0.260	0.420	0.140	0.090	0.100	0.040	0.020	0.020	0.040	0.070	0.210
8.	0.900	0.370	0.980	0.240	0.440	0.140	0.080	0.090	0.040	0.020	0.020	0.070	0.070	0.210
9.	0.980	0.330	0.770	0.210	0.440	0.130	0.090	0.100	0.030	0.020	0.020	0.140	0.080	0.190
10.	1.28	0.310	0.650	0.190	0.440	0.130	0.100	0.090	0.030	0.020	0.020	0.140	0.080	0.190
11.	1.28	0.280	0.510	0.180	0.460	0.130	0.090	0.090	0.030	0.020	0.040	0.130	0.080	0.180
12.	1.34	0.250	0.440	0.170	0.590	0.130	0.120	0.080	0.030	0.020	0.070	0.130	0.080	0.170
13.	1.34	0.240	0.390	0.160	0.650	0.120	0.120	0.070	0.030	0.020	0.050	0.130	0.080	0.240
14.	1.28	0.240	0.340	0.160	0.610	0.120	0.120	0.060	0.030	0.020	0.040	0.130	0.080	0.420
15.	0.940	0.220	0.310	0.140	0.570	0.120	0.140	0.060	0.030	0.020	0.040	0.120	0.080	0.650
16.	0.790	0.220	0.280	0.140	0.480	0.110	0.170	0.060	0.030	0.020	0.040	0.120	0.070	0.730
17.	0.670	0.220	0.250	0.140	0.420	0.100	0.180	0.060	0.030	0.020	0.040	0.120	0.100	0.610
18.	0.550	0.220	0.220	0.130	0.390	0.100	0.190	0.060	0.020	0.020	0.040	0.120	0.120	0.570
19.	0.490	0.210	0.210	0.110	0.360	0.100	0.220	0.060	0.020	0.020	0.030	0.110	0.160	0.510
20.	0.440	0.190	0.220	0.110	0.310	0.100	0.220	0.010	0.020	0.020	0.030	0.110	0.180	0.490
21.	0.390	0.190	0.220	0.100	0.310	0.090	0.240	0.000	0.020	0.020	0.020	0.110	0.210	0.490
22.	0.370	0.240	0.210	0.100	0.290	0.090	0.250	0.000	0.020	0.020	0.020	0.100	0.210	0.490
23.	0.340	0.810	0.190	0.100	0.260	0.090	0.250	0.000	0.030	0.020	0.020	0.090	0.210	0.510
24.	0.330	0.980	0.190	0.100	0.250	0.090	0.260	0.000	0.040	0.020	0.020	0.090	0.210	0.510
25.	0.290	0.870	0.180	0.100	0.240	0.080	0.260	0.000	0.040	0.020	0.030	0.090	0.210	0.490
26.	0.280	0.810	0.180	0.100	0.210	0.080	0.250	0.000	0.040	0.020	0.030	0.090	0.190	0.440
27.	0.250	0.770	0.180	0.100	0.190	0.080	0.240	0.000	0.030	0.020	0.030	0.090	0.190	0.410
28.	0.250	0.710	0.260	0.100	0.190	0.100	0.210	0.000	0.030	0.020	0.030	0.090	0.190	0.370
29.	0.240	0.670	0.340		0.180	0.100	0.180	0.000	0.030	0.020	0.030	0.080	0.210	0.340
30.	0.290	1.59	0.390		0.170	0.090	0.180	0.000	0.030	0.020	0.030	0.080	0.210	0.310
31.		3.56	0.410		0.170		0.160		0.030	0.020		0.070		0.280

Hauptwerte

	2002 Nov	2002 Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	29.	20.+	25.+	21.+	1.	25.+	8.	21.+	18.+	1.+	1.+	1.+	3.	12.
NQ	0.240	0.190	0.180	0.100	0.100	0.080	0.080	0.000	0.020	0.020	0.020	0.030	0.060	0.170
MQ	0.774	0.569	0.763	0.187	0.336	0.119	0.160	0.057	0.032	0.020	0.029	0.089	0.126	0.365
HQ	1.53	4.03	3.20	0.410	0.670	0.170	0.260	0.160	0.090	0.030	0.120	0.140	0.210	0.770
Tag	5.	31.	1.	1.	14.	1.+	24.+	1.	24.	1.	11.	8.+	21.+	16.
h_N mm														
h_A mm	166	126	169	37	74	25	35	12	7	4	6	20	27	81

	1930/2002		1931/2003						73 Jahre					
Jahr	1968	1962	1954+	1963	1942+	2002	1934+	2003	1997	1934+	1934+	1947+	1968	1962
NQ	0.000	0.010	0.020	0.010	0.020	0.000	0.040	0.000	0.000	0.010	0.010	0.010	0.000	0.010
MNQ	0.114	0.137	0.124	0.134	0.156	0.231	0.123	0.085	0.072	0.064	0.065	0.073	0.112	0.138
MQ	0.311	0.405	0.371	0.361	0.445	0.564	0.266	0.212	0.176	0.146	0.159	0.211	0.303	0.408
MHQ	0.826	1.32	1.14	0.925	1.22	1.29	0.619	0.595	0.453	0.455	0.455	0.599	0.807	1.32
HQ	4.22	7.16	5.21	5.89	6.63	6.88	3.70	5.01	2.41	9.66	4.61	4.41	4.22	7.16
Jahr	1939	1947	1987	1946	1981	1994	1941	1933	1966	1981	1998	1960	1939	1947
Mh_N mm														
Mh_A mm	67	90	82	72	99	121	59	45	39	32	34	47	65	90

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.000	am 21.06.2003	0.080	0.000	0.000	am 21.06.2003
MQ m^3/s	0.262		0.463	0.065	0.191	
HQ m^3/s	4.03	am 31.12.2002	4.03	0.260	3.20	am 01.01.2003
Nq $l/(s km^2)$			6.61			
Mq $l/(s km^2)$	21.7		38.3	5.37	15.8	
Hq $l/(s km^2)$	333		333	21.5	264	
h_N mm						
h_A mm	683		598	85	498	

	1931/2003 (*) 73 Jahre				1931/2003	
NQ m^3/s	0.000	am 21.06.2003	0.000	0.000	0.000	am 21.06.2003
MNQ m^3/s	0.029		0.056	0.037	0.031	
MQ m^3/s	0.302		0.410	0.195	0.301	
MHQ m^3/s	2.77		2.53	1.44	2.79	
HQ m^3/s	9.66	am 10.08.1981	7.16	9.66	9.66	am 10.08.1981
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	2.40		4.63	3.06	2.56	
Mq $l/(s km^2)$	25.0		33.9	16.1	24.9	
MHq $l/(s km^2)$	229		209	119	231	
Mh_N mm						
Mh_A mm	787		530	256	784	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.000		21.06.2003+	9.66	798		10.08.1981
2	0.000		12.04.2002+	7.16	592		28.12.1947
3	0.000		31.07.1997	6.88	569		13.04.1994
4	0.000		06.11.1968+	6.63	548		11.03.1981+
5	0.010	0.826	02.09.1982+	5.89	487		09.02.1946
6	0.010	0.826	29.07.1976+	5.21	431		02.01.1987
7	0.010	0.826	01.11.1971+	5.01	414		01.12.1939
8	0.010	0.826	22.09.1964+	5.01	414		25.06.1933
9	0.010	0.826	10.11.1962+	4.61	381		16.09.1998
10	0.010	0.826	06.09.1949+	4.41	364		31.12.1986

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1931/2003 73 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	3.56	2.75	6.63	2.58	0.630
363	2.75	2.66	6.38	2.17	0.610
362	2.66	2.50	5.89	2.01	0.610
361	2.50	2.41	5.45	1.80	0.610
360	2.41	2.01	5.45	1.66	0.590
359	2.01	1.66	5.45	1.57	0.590
358	1.66	1.34	3.70	1.53	0.590
357	1.59	0.980	3.02	1.47	0.550
356	1.53	0.770	2.50	1.40	0.550
350	1.34	0.650	1.89	1.12	0.530
340	0.870	0.510	1.53	0.900	0.460
330	0.710	0.440	1.23	0.750	0.360
320	0.510	0.390	1.08	0.650	0.280
300	0.410	0.280	0.830	0.510	0.210
270	0.280	0.220	0.670	0.370	0.170
240	0.220	0.180	0.590	0.290	0.130
210	0.170	0.140	0.510	0.220	0.090
183	0.130	0.110	0.460	0.180	0.070
150	0.110	0.100	0.390	0.140	0.050
130	0.100	0.090	0.360	0.120	0.030
120	0.090	0.080	0.340	0.110	0.030
110	0.070	0.070	0.310	0.110	0.020
100	0.050	0.050	0.290	0.100	0.020
90	0.050	0.050	0.260	0.090	0.020
80	0.040	0.040	0.250	0.080	0.020
70	0.040	0.040	0.210	0.070	0.020
60	0.030	0.030	0.180	0.070	0.020
50	0.030	0.030	0.160	0.060	0.020
40	0.030	0.030	0.140	0.050	0.020
30	0.030	0.030	0.130	0.050	0.020
25	0.030	0.030	0.120	0.050	0.020
20	0.030	0.030	0.120	0.040	0.020
15	0.030	0.030	0.110	0.030	0.020
10	0.010	0.010	0.110	0.030	0.010
9	0.010	0.010	0.110	0.030	0.010
8	0.010	0.010	0.100	0.030	0.010
7	0.010	0.010	0.100	0.030	0.010
6	0.010	0.010	0.100	0.030	0.010
5	0.010	0.010	0.090	0.030	0.010
4	0.010	0.010	0.090	0.020	0.010
3	0.010	0.010	0.090	0.020	0.010
2	0.010	0.010	0.080	0.020	0.010
1	0.010	0.010	0.080	0.020	0.010
0	0.000	0.000	0.070	0.000	0.000

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

A_{Eo} : 318 km^2

PNP : NN + 213.91 m

Lage: 58.3 km oberhalb Mündung links

Q

m^3/s

Pegel : Wipperdorf Nr. 575210

Gewässer : Wipper

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	2.30	9.60	16.4	5.92	2.78	2.61	K 3.13	1.73	1.24	0.920	0.720	0.620	0.720	0.820
2.	4.90	7.42	38.6	5.30	3.31	2.61	K 2.95	1.47	1.13	0.820	0.720	0.720	0.720	0.820
3.	6.76	6.55	41.0	5.71	3.50	2.61	K 2.78	1.87	1.02	0.820	0.720	0.820	0.820	0.820
4.	9.00	5.92	32.8	5.71	3.50	2.45	K 2.61	1.35	1.02	0.820	0.620	0.920	1.02	0.720
5.	5.30	5.71	19.4	4.90	3.50	2.45	K 2.45	1.24	1.02	0.920	0.720	0.720	0.820	0.720
6.	4.30	5.10	14.0	4.50	3.90	2.45	K 2.30	2.95	1.02	0.820	0.720	0.720	0.720	0.720
7.	3.90	4.70	10.4	4.30	6.13	2.30	K 2.15	1.24	1.13	0.820	0.920	0.820	0.720	0.720
8.	4.30	4.30	8.78	4.30	4.70	2.30	K 2.01	1.35	1.13	0.820	0.720	1.02	0.720	0.720
9.	10.2	3.90	8.10	4.50	4.30	2.30	K 2.30	2.15	1.13	0.720	0.620	1.47	0.720	0.720
10.	7.20	3.70	7.64	4.10	3.70	2.30	K 2.30	1.13	1.13	0.620	0.620	0.920	0.720	0.720
11.	10.8	3.31	6.98	3.70	3.70	2.30	K 1.87	2.01	1.13	0.540	2.01	0.820	0.720	0.720
12.	8.78	2.95	6.13	3.31	6.34	2.15	K 1.87	1.13	1.13	0.540	1.24	0.720	0.720	0.820
13.	6.55	2.78	5.71	3.13	5.10	2.01	K 2.01	1.35	1.13	0.540	0.820	0.820	0.620	1.02
14.	5.50	2.78	11.4	2.95	4.50	2.01	K 1.87	1.02	1.13	0.620	0.720	0.720	0.620	2.61
15.	4.90	2.78	8.10	2.95	4.10	2.15	K 1.87	1.02	1.13	0.720	0.620	0.720	0.620	2.61
16.	4.30	2.78	7.20	2.95	3.70	2.15	K 2.01	1.02	0.920	0.720	0.540	0.720	0.720	1.73
17.	4.30	3.70	6.76	2.78	3.50	2.30	K 1.87	1.02	0.920	0.720	0.540	0.720	1.13	2.45
18.	3.70	2.78	5.92	2.78	3.50	2.45	K 2.01	1.13	0.820	0.820	0.540	0.720	0.820	2.01
19.	3.50	2.61	5.71	2.78	3.50	2.78	K 2.61	1.24	0.720	0.620	0.460	0.720	0.720	1.47
20.	3.13	2.61	5.50	2.78	3.31	5.30	K 2.61	1.24	0.720	0.540	0.540	0.720	0.720	1.24
21.	3.13	2.45	5.10	2.61	3.31	3.31	K 1.87	1.13	0.820	0.540	0.620	0.620	0.720	1.60
22.	2.95	5.71	4.90	2.61	3.13	3.13	K 1.87	1.13	0.820	0.620	0.620	0.720	0.720	2.01
23.	2.95	17.2	5.50	2.61	3.13	3.31	K 1.87	1.13	0.920	0.620	0.820	0.720	0.720	1.87
24.	2.78	5.71	5.50	2.45	2.95	3.31	K 1.87	1.13	0.820	0.720	0.820	0.720	0.720	1.35
25.	2.61	4.50	4.70	2.45	2.95	3.13	K 1.73	1.02	0.920	0.620	0.720	0.620	0.720	1.24
26.	2.61	6.34	4.50	2.61	2.95	3.13	K 1.73	1.13	0.820	0.620	0.720	0.720	0.720	1.13
27.	2.45	14.6	5.10	2.61	2.95	3.13	K 1.73	1.02	0.920	0.620	0.720	0.820	0.720	1.24
28.	2.30	7.87	8.33	2.61	2.95	2.95	K 1.60	0.920	0.820	0.620	0.820	0.720	1.02	1.24
29.	2.95	7.42	8.56		2.78	3.13	K 1.60	1.02	0.820	0.820	0.820	0.720	1.02	1.13
30.	12.8	33.6	8.33		2.78	3.31	K 1.47	1.02	0.820	0.720	0.820	0.820	0.820	1.13
31.		31.8	7.20		2.61		K 1.60		0.820	0.620		0.820		1.13

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.+	21.	26.	24.+	31.	13.+	30.	28.	19.+	11.+	19.	1.+	13.+	4.+
NQ	2.30	2.45	4.50	2.45	2.61	2.01	1.47	0.920	0.720	0.540	0.460	0.620	0.620	0.720
MQ	5.04	7.20	10.8	3.57	3.65	2.73	2.08	1.31	0.969	0.697	0.754	0.780	0.767	1.27
HQ	18.2	46.1	47.3	6.55	8.10	8.33	5.30	10.8	1.47	1.24	3.90	2.01	1.47	3.70
Tag	30.	30.	2.	3.	7.	20.	9.	6.	1.	29.	11.	9.	17.+	14.
h_N mm														
h_A mm	41	61	91	27	31	22	18	11	8	6	6	7	6	11

	1948/2002		1949/2003 55 Jahre											
Jahr	1953	1953	1954	1954	1959	1959	1954	1954	1959	1953	1959	1953	1953	1953
NQ	0.160	0.120	0.380	0.380	0.430	0.330	0.080	0.140	0.140	0.180	0.120	0.140	0.160	0.120
MNQ	0.933	1.22	1.52	1.77	1.97	2.26	1.54	1.19	0.933	0.793	0.727	0.789	0.933	1.23
MQ	1.62	2.67	3.27	3.46	3.99	3.43	2.39	1.93	1.57	1.16	1.02	1.21	1.61	2.68
MHQ	5.05	10.1	12.7	12.6	13.1	10.5	6.58	7.60	6.71	3.74	2.76	3.41	5.05	10.1
HQ	44.6	49.5	47.3	55.0	70.0	106	33.5	47.3	98.0	17.5	15.3	23.6	44.6	49.5
Jahr	1998	1988	2003	1970	1956	1983	1971	1975	1956	1981	1998	1998	1998	1988
Mh_N mm														
Mh_A mm	13	22	28	26	34	28	20	16	13	10	8	10	13	23

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.460	am 19.09.2003	2.01	0.460	0.460	am 19.09.2003
MQ m^3/s	3.30		5.54	1.10	2.45	
HQ m^3/s	47.3	am 02.01.2003	47.3	10.8	47.3	am 02.01.2003
Nq $l/(s km^2)$	1.45		6.32	1.45	1.45	
Mq $l/(s km^2)$	10.4		17.4	3.46	7.70	
Hq $l/(s km^2)$	149		149	34.0	149	
h_N mm						
h_A mm	327		272	55	243	

	1949/2003 (*) 55 Jahre				1949/2003	
NQ m^3/s	0.080	am 26.05.1954	0.120	0.080	0.080	am 26.05.1954
MNQ m^3/s	0.561		0.839	0.639	0.592	
MQ m^3/s	2.30		3.07	1.55	2.30	
MHQ m^3/s	28.7		26.1	13.4	29.9	
HQ m^3/s	106	am 20.04.1983	106	98.0	106	am 20.04.1983
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	1.76		2.64	2.01	1.86	
Mq $l/(s km^2)$	7.23		9.65	4.87	7.23	
MHq $l/(s km^2)$	90.3		82.1	42.1	94.0	
Mh_N mm						
Mh_A mm	228		151	77	228	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.080	0.252	26.05.1954	106	333		20.04.1983
2	0.120	0.377	09.09.1959	98.0	308		15.07.1956
3	0.120	0.377	23.05.1959+	70.0	220		02.03.1956
4	0.200	0.629	12.10.1958	55.0	173		23.02.1970
5	0.230	0.723	01.08.1964	49.5	156		19.12.1988
6	0.250	0.786	04.09.1963+	49.2	155		16.03.1994
7	0.310	0.975	01.12.1949	49.2	155		13.02.1962
8	0.320	1.01	08.08.1952+	47.3	149		02.01.2003
9	0.330	1.04	21.11.1958+	47.3	149		23.06.1975
10	0.360	1.13	29.06.1957	46.1	145		30.12.2002

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1949/2003 55 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	41.0	41.0	49.2	20.2	5.06
363	38.6	38.6	38.6	16.2	5.06
362	33.6	32.8	32.8	13.9	5.06
361	32.8	19.4	31.8	12.5	4.40
360	31.8	16.4	25.6	11.6	4.38
359	19.4	14.0	23.8	10.9	3.80
358	17.2	11.4	23.6	10.1	3.75
357	16.4	10.4	23.2	9.44	3.64
356	14.6	8.78	20.8	8.95	3.38
350	10.2	7.64	15.4	7.02	2.64
340	7.87	5.92	10.5	5.51	2.22
330	6.76	5.30	9.12	4.70	1.64
320	5.92	4.50	8.50	4.14	1.58
300	5.10	3.50	7.16	3.32	1.20
270	3.70	2.95	5.66	2.59	0.920
240	3.13	2.45	4.75	2.08	0.770
210	2.78	2.01	3.86	1.75	0.690
183	2.45	1.35	3.66	1.54	0.580
150	1.73	1.13	3.02	1.27	0.500
130	1.24	0.920	2.70	1.14	0.470
120	1.24	0.920	2.54	1.08	0.390
110	1.13	0.920	2.38	1.04	0.390
100	1.02	0.920	2.25	0.980	0.390
90	0.920	0.820	2.25	0.930	0.380
80	0.920	0.820	2.06	0.880	0.380
70	0.920	0.820	2.06	0.830	0.330
60	0.820	0.820	2.06	0.810	0.330
50	0.820	0.820	2.05	0.750	0.280
40	0.820	0.820	1.95	0.730	0.280
30	0.820	0.720	1.95	0.680	0.250
25	0.720	0.720	1.95	0.640	0.250
20	0.720	0.720	1.95	0.620	0.250
15	0.720	0.720	1.85	0.560	0.220
10	0.720	0.720	1.85	0.510	0.220
9	0.620	0.620	1.75	0.500	0.200
8	0.620	0.620	1.75	0.470	0.200
7	0.620	0.620	1.75	0.460	0.180
6	0.620	0.620	1.75	0.440	0.180
5	0.620	0.620	1.75	0.420	0.160
4	0.620	0.620	1.75	0.390	0.160
3	0.620	0.620	1.75	0.350	0.120
2	0.620	0.620	1.65	0.310	0.120
1	0.620	0.620	1.65	0.230	0.120
0	0.460	0.460	1.46	0.080	0.080

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

31 Tage Verkrautung

A_{Eo} : 524 km^2

PNP : NN + 172.53 m

Lage: 29.5 km oberhalb Mündung links

Q

m^3/s

Pegel : Hachelbich Nr. 575240

Gewässer : Wipper

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	3.35	12.6	18.6	8.46	3.81	3.58	3.81	2.40	1.83	1.32	1.06	1.06	1.06	1.32
2.	4.96	9.50	44.5	7.94	4.27	3.58	3.35	2.21	1.83	1.32	1.06	1.06	1.06	1.19
3.	7.42	8.46	55.6	8.20	5.19	3.58	3.35	2.21	1.83	1.32	1.06	1.06	1.06	1.06
4.	10.5	7.68	43.3	8.20	5.42	3.58	3.16	2.78	1.83	1.32	0.930	1.32	1.45	1.06
5.	6.90	7.16	22.6	7.68	4.96	3.35	2.97	1.83	1.64	1.19	0.930	1.19	1.32	0.930
6.	5.42	6.65	17.4	6.90	5.19	3.35	2.97	3.58	1.64	1.19	0.930	1.06	1.19	0.930
7.	4.96	6.40	14.7	6.40	7.68	3.16	2.78	2.21	1.64	1.19	0.930	1.19	1.06	1.06
8.	5.19	5.90	12.3	6.40	6.65	3.16	2.78	2.02	1.64	1.19	1.64	1.45	1.06	1.06
9.	9.76	5.42	11.4	6.40	5.90	3.16	2.78	3.16	1.64	1.19	1.19	2.40	1.06	1.06
10.	9.24	T 5.19	11.4	6.40	5.65	3.16	3.81	1.83	1.64	1.19	1.06	1.64	1.06	1.06
11.	10.3	T 4.73	10.5	5.90	5.19	3.16	2.97	3.16	1.45	1.19	2.97	1.32	0.930	1.06
12.	10.5	T 4.73	9.76	5.65	7.16	3.16	2.78	2.02	1.45	1.19	3.16	1.32	1.06	1.06
13.	8.20	T 4.73	8.98	5.42	6.90	3.16	3.16	2.21	1.45	1.19	1.64	1.19	1.06	1.19
14.	6.90	T 4.50	13.2	4.96	5.90	3.16	2.78	1.83	1.32	1.19	1.45	1.19	1.06	2.78
15.	6.40	4.27	12.3	4.73	5.42	2.97	2.78	1.45	1.32	1.19	1.45	1.19	1.06	3.81
16.	5.65	4.27	10.5	4.73	5.19	2.97	2.59	1.32	1.32	1.06	1.32	1.06	1.06	2.59
17.	5.42	5.19	9.76	4.73	4.96	2.97	2.59	1.32	1.32	1.06	1.19	1.06	1.45	2.78
18.	4.96	4.27	9.24	4.50	4.96	2.97	2.59	1.45	1.32	1.19	1.19	1.06	1.45	2.97
19.	4.73	3.81	8.72	4.27	4.96	3.35	3.81	2.02	1.19	1.19	1.19	1.06	1.19	2.40
20.	4.27	3.16	8.46	4.27	4.73	6.90	3.58	1.64	1.19	1.06	1.19	1.06	1.19	2.02
21.	4.04	3.16	8.46	4.27	4.50	4.73	2.78	1.64	1.19	1.06	1.19	1.06	1.06	2.02
22.	4.04	3.58	8.20	4.27	4.27	4.27	2.59	1.64	1.45	1.06	1.19	1.06	1.06	2.78
23.	3.81	17.1	7.68	4.04	4.27	4.27	2.59	1.64	1.32	1.06	1.06	1.06	1.06	2.78
24.	3.58	6.90	8.72	3.81	4.04	4.04	2.59	1.45	1.64	1.06	1.19	1.06	1.06	2.02
25.	3.58	6.15	7.68	3.81	4.04	4.04	2.59	1.32	1.64	1.06	1.06	1.06	1.06	1.83
26.	3.35	6.40	7.16	3.81	4.04	4.04	2.59	1.32	1.45	1.06	1.06	1.06	1.06	1.64
27.	3.16	16.8	7.16	3.81	3.81	4.04	2.40	1.32	1.32	1.06	1.06	1.19	1.06	1.83
28.	3.16	12.3	10.0	3.58	3.81	3.81	2.40	1.32	1.64	0.930	1.06	1.06	1.19	1.83
29.	3.35	10.3	11.4		3.58	3.81	2.21	1.45	1.45	1.06	1.06	1.06	1.64	1.83
30.	12.0	27.5	11.7		3.58	4.27	2.02	1.64	1.32	1.32	1.06	1.06	1.32	1.64
31.		43.9	9.76		3.58		2.02		1.32	1.06		1.06		1.64

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	27.+	20.+	26.+	28.	29.+	15.+	30.+	16.+	19.+	28.	4.+	1.+	11.	5.+
NQ	3.16	3.16	7.16	3.58	3.58	2.97	2.02	1.32	1.19	0.930	0.930	1.06	0.930	0.930
MQ	5.97	8.80	14.6	5.48	4.96	3.66	2.84	1.91	1.49	1.15	1.28	1.18	1.15	1.78
HQ	18.9	63.6	75.6	8.98	8.98	8.98	5.19	8.20	2.02	1.32	7.16	2.78	1.83	4.50
Tag	30.	31.	2.	1.	7.	20.	10.	6.	1.	1.+	11.	9.	17.+	14.
h_N mm														
h_A mm	30	45	75	25	25	18	15	9	8	6	6	6	6	9

	1961/2002		1962/2003 42 Jahre											
Jahr	1976	1976+	1977+	1996	1963+	1996	1963	1976	1976	1976	1976	1976	1976	1976+
NQ	0.680	0.800	0.800	0.800	0.930	1.32	1.12	0.920	0.680	0.570	0.680	0.570	0.680	0.800
MNQ	1.48	1.84	2.30	2.67	3.05	3.52	2.39	1.94	1.51	1.32	1.26	1.23	1.47	1.82
MQ	2.32	3.79	4.53	4.72	5.72	5.06	3.46	2.83	2.14	1.79	1.62	1.71	2.32	3.72
MHQ	6.22	13.8	15.0	13.7	15.7	11.4	8.38	9.30	5.80	5.45	4.07	4.46	6.19	13.3
HQ	46.9	73.0	75.6	60.1	70.8	81.2	30.7	49.9	16.8	27.6	13.8	21.0	46.9	73.0
Jahr	1998	1988	2003	1970	1994	1983	1971	1975	2002	1970	1998	1998	1998	1988
Mh_N mm														
Mh_A mm	11	19	23	22	29	25	18	14	11	9	8	9	11	19

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.930	am 28.08.2003	2.97	0.930	0.930	am 28.08.2003
MQ	m^3/s	4.45		7.29	1.65	3.45	
HQ	m^3/s	75.6	am 02.01.2003	75.6	8.20	75.6	am 02.01.2003
Nq	$l/(s km^2)$	1.77		5.67	1.77	1.77	
Mq	$l/(s km^2)$	8.49		13.9	3.15	6.58	
Hq	$l/(s km^2)$	144		144	15.6	144	
h_N	mm						
h_A	mm	268		218	50	208	
		1962/2003 (*) 42 Jahre				1962/2003	
NQ	m^3/s	0.570	am 22.08.1976	0.680	0.570	0.570	am 22.08.1976
MNQ	m^3/s	0.955		1.35	1.09	1.03	
MQ	m^3/s	3.30		4.36	2.26	3.30	
MHQ	m^3/s	31.2		29.2	13.0	32.7	
HQ	m^3/s	81.2	am 20.04.1983	81.2	49.9	81.2	am 20.04.1983
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(s km^2)$	1.82		2.58	2.08	1.97	
Mq	$l/(s km^2)$	6.30		8.32	4.31	6.30	
MHq	$l/(s km^2)$	59.5		55.7	24.8	62.4	
Mh_N	mm						
Mh_A	mm	199		130	69	199	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.570	1.09	22.08.1976+	81.2	155		20.04.1983+
2	0.680	1.30	07.08.1974+	75.6	144		02.01.2003
3	0.720	1.37	01.10.1971+	73.0	139		20.12.1988
4	0.730	1.39	02.09.1973	70.8	135		16.03.1994
5	0.780	1.49	25.07.1963+	63.6	121		31.12.2002
6	0.800	1.53	31.10.2001	60.1	115		23.02.1970
7	0.800	1.53	08.08.1998+	50.5	96.4		16.01.1968
8	0.800	1.53	23.01.1996+	49.9	95.2		23.06.1975
9	0.800	1.53	28.08.1991+	47.6	90.8		05.06.1981
10	0.800	1.53	26.10.1990	47.5	90.6		31.12.1986

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1962/2003 42 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	55.6	55.6	55.6	23.0	7.68
363	44.5	44.5	45.9	18.8	6.90
362	43.9	43.3	43.3	17.0	6.55
361	43.3	22.6	31.1	15.6	5.97
360	27.5	18.6	27.4	14.7	5.78
359	22.6	17.4	26.5	13.6	5.50
358	18.6	14.7	25.1	12.9	5.50
357	17.4	13.2	25.1	12.4	5.50
356	17.1	13.2	24.6	11.8	4.68
350	12.6	11.4	18.6	9.76	3.65
340	11.4	8.72	15.0	7.80	3.28
330	9.50	7.94	12.6	6.85	2.76
320	8.46	6.65	10.3	5.96	2.60
300	6.90	4.96	8.72	4.83	2.30
270	5.19	4.04	7.42	3.83	1.89
240	4.50	3.35	6.40	3.10	1.63
210	3.81	2.78	5.65	2.60	1.43
183	3.35	2.02	4.96	2.28	1.17
150	2.59	1.64	4.04	1.99	1.04
130	1.83	1.45	3.50	1.76	1.04
120	1.83	1.45	3.50	1.67	1.04
110	1.64	1.32	3.30	1.63	1.04
100	1.45	1.32	3.30	1.48	1.04
90	1.45	1.32	3.05	1.48	1.04
80	1.45	1.32	3.05	1.43	0.920
70	1.32	1.19	3.05	1.37	0.920
60	1.32	1.19	2.85	1.31	0.920
50	1.32	1.19	2.85	1.25	0.920
40	1.19	1.19	2.65	1.23	0.920
30	1.19	1.19	2.65	1.12	0.920
25	1.19	1.19	2.45	1.12	0.920
20	1.19	1.19	2.45	1.06	0.800
15	1.19	1.19	2.45	1.00	0.800
10	1.19	1.19	2.45	1.00	0.800
9	1.19	1.19	2.45	0.930	0.800
8	1.19	1.19	2.25	0.930	0.800
7	1.19	1.06	2.25	0.930	0.800
6	1.19	1.06	2.25	0.930	0.800
5	1.19	1.06	2.25	0.830	0.800
4	1.06	1.06	2.25	0.820	0.800
3	1.06	1.06	2.25	0.820	0.800
2	1.06	1.06	2.25	0.820	0.800
1	1.06	1.06	2.25	0.820	0.680
0	0.930	0.930	1.90	0.570	0.570

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

5 Tage Treibeis/Eisgang

A_{Eo} : 104 km^2

PNP : NN + 224.75 m

Lage: 1.5 km oberhalb Mündung links

Q

m^3/s

Pegel : Bleicherode — Nr. 575250

Gewässer : Bode

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.510	2.82	3.94	1.84	0.790	0.790	0.790	0.720	0.440	0.300	0.300	0.200	0.250	0.300
2.	0.510	2.40	10.0	1.70	1.00	0.860	0.720	0.650	0.440	0.300	0.300	0.200	0.200	0.300
3.	0.510	2.05	9.53	1.77	1.14	0.860	0.720	0.930	0.440	0.300	0.300	0.200	0.250	0.200
4.	2.05	1.70	5.83	1.70	1.21	0.790	0.720	0.440	0.370	0.250	0.300	0.300	0.250	0.200
5.	1.56	1.63	3.94	1.42	1.21	0.720	0.720	0.370	0.370	0.250	0.300	0.250	0.150	0.200
6.	1.28	1.42	3.31	1.28	1.42	0.720	0.650	1.28	0.370	0.250	0.300	0.200	0.150	0.200
7.	1.14	1.35	2.82	1.21	1.98	0.720	0.580	0.440	0.370	0.250	0.440	0.250	0.150	0.150
8.	1.21	1.21	2.40	1.21	1.63	0.720	0.510	0.580	0.370	0.250	0.370	0.370	0.150	0.200
9.	2.33	1.14	2.05	1.21	1.42	0.720	0.790	0.510	0.370	0.250	0.300	0.580	0.150	0.200
10.	1.98	1.00	1.84	1.21	1.28	0.720	0.580	0.370	0.370	0.250	0.250	0.300	0.100	0.200
11.	2.75	1.00	1.70	1.07	1.21	0.720	0.510	0.650	0.370	0.250	0.860	0.250	0.100	0.250
12.	2.47	0.930	1.56	1.00	2.12	0.720	0.510	0.440	0.370	0.250	0.440	0.250	0.150	0.250
13.	1.91	0.930	1.49	0.930	1.70	0.720	0.510	0.510	0.370	0.250	0.300	0.250	0.200	0.250
14.	1.63	0.860	3.38	0.860	1.42	0.650	0.510	0.370	0.370	0.250	0.300	0.250	0.200	1.28
15.	1.42	0.860	2.47	0.790	1.35	0.650	0.510	0.370	0.300	0.250	0.250	0.150	0.200	1.49
16.	1.28	0.720	2.05	0.720	1.21	0.580	0.440	0.440	0.300	0.250	0.250	0.200	0.200	1.07
17.	1.35	1.07	1.84	0.720	1.14	0.580	0.440	0.440	0.300	0.250	0.200	0.200	0.440	1.49
18.	1.14	0.720	1.63	0.860	1.07	0.580	0.440	0.510	0.300	0.300	0.150	0.200	0.300	1.21
19.	1.07	0.720	1.56	0.860	1.07	0.930	0.650	0.440	0.300	0.250	0.150	0.200	0.250	0.930
20.	1.00	0.650	1.42	0.860	1.00	1.70	0.650	0.510	0.300	0.250	0.150	0.200	0.250	0.860
21.	0.930	0.580	1.42	0.790	0.930	1.14	0.510	0.440	0.300	0.250	0.150	0.200	0.250	1.21
22.	0.860	1.98	1.35	0.790	0.860	1.07	0.510	0.440	0.300	0.250	0.150	0.200	0.250	1.21
23.	0.860	2.75	1.49	0.720	0.860	1.00	0.510	0.440	0.440	0.250	0.200	0.200	0.250	0.930
24.	0.790	1.28	1.49	0.580	0.720	1.00	0.510	0.440	0.300	0.250	0.150	0.200	0.250	0.790
25.	0.790	1.07	1.28	0.580	0.720	0.930	0.580	0.370	0.370	0.250	0.150	0.200	0.250	0.720
26.	0.790	1.70	1.21	0.580	0.720	0.930	0.580	0.370	0.300	0.250	0.150	0.200	0.250	0.720
27.	0.720	3.73	1.35	0.650	0.720	0.860	0.650	0.440	0.300	0.250	0.150	0.250	0.250	0.720
28.	0.650	2.68	2.61	0.720	0.720	0.790	0.720	0.440	0.300	0.250	0.150	0.250	0.300	0.720
29.	0.930	2.54	2.82		0.720	0.860	0.790	0.440	0.300	0.300	0.150	0.200	0.370	0.580
30.	3.24	11.1	2.68		0.720	0.930	0.790	0.440	0.300	0.250	0.150	0.250	0.300	0.510
31.		5.34	2.12		0.720		0.860		0.300	0.250		0.250		0.510

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.+	21.	26.	24.+	24.+	16.+	16.+	5.+	15.+	4.+	18.+	15.	10.+	7.
NQ	0.510	0.580	1.21	0.580	0.720	0.580	0.440	0.370	0.300	0.250	0.150	0.150	0.100	0.150
MQ	1.32	1.93	2.73	1.02	1.12	0.832	0.612	0.508	0.345	0.258	0.259	0.239	0.227	0.640
HQ	4.22	17.0	17.9	2.05	2.54	2.82	2.75	6.04	0.930	0.790	1.84	1.00	0.510	1.84
Tag	30.	30.	2.	1.	6.	20.	9.	3.	23.	29.	7.	9.	17.+	15.
h_N mm														
h_A mm	33	50	70	24	29	21	16	13	9	7	6	6	6	16

	1951/2002		1952/2003 52 Jahre											
Jahr	1953	1953	1977	1963	1996	1953	1960	1954	1963	1952+	1997	1953	2003	1953
NQ	0.110	0.090	0.080	0.070	0.100	0.160	0.160	0.110	0.060	0.080	0.050	0.090	0.100	0.090
MNQ	0.305	0.440	0.507	0.618	0.647	0.697	0.495	0.361	0.273	0.223	0.221	0.244	0.302	0.438
MQ	0.616	1.10	1.25	1.28	1.50	1.21	0.806	0.691	0.492	0.361	0.339	0.435	0.613	1.11
MHQ	2.31	5.53	5.81	4.46	5.94	4.22	2.73	4.01	2.35	1.46	1.08	1.42	2.31	5.56
HQ	25.5	41.4	37.6	23.4	31.3	52.6	33.3	37.7	20.8	6.17	6.53	12.6	25.5	41.4
Jahr	1998	1988	1968	1970	1956	1983	1971	1975	1955	1981	1998	1998	1998	1988
Mh_N mm														
Mh_A mm	15	28	32	30	39	30	21	17	13	9	8	11	15	29

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.150	am 18.09.2003	0.510	0.150	0.100	am 10.11.2003
MQ m^3/s	0.933		1.51	0.370	0.733	
HQ m^3/s	17.9	am 02.01.2003	17.9	6.04	17.9	am 02.01.2003
Nq $l/(skm^2)$	1.44		4.90	1.44	0.962	
Mq $l/(skm^2)$	8.97		14.5	3.56	7.05	
Hq $l/(skm^2)$	172		172	58.1	172	
h_N mm						
h_A mm	283		227	57	222	

	1952/2003 (*) 52 Jahre				1952/2003	
NQ m^3/s	0.050	am 17.09.1997	0.070	0.050	0.050	am 17.09.1997
MNQ m^3/s	0.154		0.265	0.179	0.165	
MQ m^3/s	0.838		1.16	0.521	0.838	
MHQ m^3/s	14.3		12.4	6.21	15.0	
HQ m^3/s	52.6	am 20.04.1983	52.6	37.7	52.6	am 20.04.1983
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(skm^2)$	1.48		2.55	1.72	1.59	
Mq $l/(skm^2)$	8.06		11.2	5.01	8.06	
MHq $l/(skm^2)$	138		119	59.7	144	
Mh_N mm						
Mh_A mm	254		174	80	254	

Extremwerte

	Niedrigwasser m^3/s	$l/(skm^2)$	Datum	Hochwasser m^3/s	$l/(skm^2)$	cm	Datum
1	0.050	0.481	17.09.1997	52.6	506		20.04.1983
2	0.060	0.577	30.07.1963	41.4	398		19.12.1988
3	0.070	0.673	12.02.1963	37.7	362		23.06.1975
4	0.070	0.673	10.09.1953+	37.6	362		15.01.1968
5	0.070	0.673	22.07.1952+	33.8	325		04.06.1981
6	0.080	0.769	22.01.1977	33.3	320		19.05.1971
7	0.080	0.769	25.09.1963	31.3	301		04.03.1956
8	0.090	0.865	15.08.1953+	25.5	245		01.11.1998
9	0.100	0.962	19.03.1996	24.4	235		16.03.1994
10	0.100	0.962	07.10.1962+	23.4	225		23.02.1970

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1952/2003 52 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	11.1	10.0	19.1	8.15	1.89
363	10.0	9.53	15.0	6.30	1.89
362	9.53	5.83	15.0	5.48	1.88
361	5.83	5.83	11.5	4.84	1.88
360	5.34	5.83	11.1	4.50	1.63
359	5.34	3.38	9.63	4.07	1.51
358	5.34	3.31	9.00	3.86	1.39
357	3.73	3.31	8.70	3.61	1.33
356	3.38	3.31	8.26	3.47	1.33
350	2.82	2.40	6.41	2.75	1.15
340	2.33	1.77	4.69	2.18	0.780
330	1.91	1.56	4.15	1.84	0.720
320	1.77	1.42	3.55	1.58	0.570
300	1.42	1.21	2.96	1.25	0.390
270	1.14	0.930	2.41	0.950	0.340
240	0.930	0.790	2.08	0.760	0.330
210	0.790	0.650	1.83	0.620	0.270
183	0.720	0.510	1.67	0.520	0.230
150	0.580	0.440	1.30	0.430	0.200
130	0.510	0.370	1.03	0.370	0.170
120	0.440	0.370	0.860	0.350	0.170
110	0.440	0.370	0.800	0.330	0.170
100	0.370	0.300	0.800	0.310	0.150
90	0.370	0.300	0.790	0.300	0.150
80	0.370	0.300	0.750	0.270	0.150
70	0.370	0.300	0.720	0.260	0.150
60	0.300	0.300	0.720	0.250	0.150
50	0.300	0.250	0.660	0.240	0.140
40	0.300	0.250	0.660	0.210	0.140
30	0.250	0.250	0.620	0.210	0.110
25	0.250	0.250	0.580	0.190	0.110
20	0.250	0.200	0.580	0.180	0.110
15	0.250	0.200	0.580	0.170	0.100
10	0.200	0.200	0.580	0.150	0.100
9	0.200	0.200	0.580	0.150	0.100
8	0.200	0.200	0.580	0.150	0.090
7	0.200	0.200	0.580	0.150	0.090
6	0.200	0.200	0.580	0.150	0.090
5	0.200	0.200	0.580	0.140	0.090
4	0.200	0.200	0.580	0.140	0.090
3	0.200	0.200	0.510	0.130	0.080
2	0.200	0.200	0.510	0.120	0.070
1	0.200	0.150	0.510	0.110	0.070
0	0.150	0.100	0.440	0.050	0.050

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

A_{Eo} : 201 km^2

PNP : NN + 169.98 m

Lage: 52.6 km oberhalb Mündung links

Q

m^3/s

Pegel : Sundhausen Nr. 575400

Gewässer : Helme

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.900	6.32	8.60	3.61	2.09	1.58	1.38	0.980	0.720	0.560	0.600	0.560	0.320	0.360
2.	3.37	3.73	32.7	3.25	2.77	1.68	1.30	0.900	0.720	0.520	0.560	0.600	0.280	0.360
3.	4.92	2.77	33.0	3.25	3.73	1.58	1.22	0.840	0.720	0.520	0.560	0.560	0.320	0.360
4.	6.48	2.09	23.3	3.37	3.49	1.58	1.14	0.840	0.660	0.520	0.560	0.600	0.360	0.360
5.	3.01	1.88	10.4	2.89	3.25	1.58	1.14	0.840	0.720	0.520	0.560	0.520	0.320	0.360
6.	1.98	1.68	7.40	2.53	3.37	1.58	1.14	1.98	0.660	0.480	0.560	0.440	0.280	0.360
7.	1.58	1.38	5.68	2.20	5.52	1.58	1.06	0.900	0.660	0.480	0.560	0.520	0.280	0.400
8.	1.48	1.22	4.77	2.20	3.97	1.58	1.06	0.840	0.600	0.480	0.660	0.520	0.280	0.360
9.	5.52	1.06	3.61	2.31	3.49	1.48	1.06	0.900	0.600	0.520	0.600	0.780	0.280	0.360
10.	5.68	0.980	3.25	2.20	3.13	1.78	1.30	0.780	0.600	0.480	0.560	0.560	0.280	0.360
11.	6.48	0.900	2.89	1.98	2.89	1.88	1.22	0.980	0.600	0.480	0.980	0.520	0.280	0.360
12.	7.00	0.900	2.65	2.09	6.48	1.88	1.14	0.720	0.600	0.480	0.720	0.480	0.280	0.400
13.	4.10	0.840	2.53	2.20	4.77	1.88	1.14	0.720	0.560	0.520	0.520	0.480	0.280	0.440
14.	2.89	0.840	8.20	2.09	3.61	1.78	1.14	0.720	0.560	0.560	0.560	0.480	0.280	2.31
15.	2.31	0.840	6.32	2.09	3.13	1.88	1.06	0.720	0.560	0.520	0.560	0.480	0.280	2.53
16.	1.88	0.840	4.23	1.98	2.77	1.78	1.06	0.720	0.560	0.520	0.560	0.480	0.280	1.58
17.	1.98	1.14	3.61	1.98	2.65	1.68	1.06	0.720	0.600	0.480	0.480	0.440	0.400	1.78
18.	1.78	0.980	3.13	1.98	2.42	1.68	1.06	0.660	0.560	0.560	0.480	0.440	0.360	1.48
19.	1.58	0.980	2.89	1.98	2.31	1.98	1.14	0.660	0.560	0.560	0.520	0.400	0.360	0.980
20.	1.38	0.980	2.89	1.98	2.31	3.37	1.38	0.660	0.560	0.520	0.480	0.400	0.360	0.900
21.	1.30	0.980	3.13	1.88	2.20	2.09	1.30	0.660	0.560	0.520	0.440	0.400	0.360	1.06
22.	1.30	2.31	3.01	1.88	1.98	1.68	1.14	0.720	0.560	0.520	0.440	0.400	0.320	1.78
23.	1.22	20.7	3.01	1.98	1.98	1.58	1.06	0.720	0.600	0.520	0.560	0.360	0.320	1.48
24.	1.14	3.85	3.13	1.88	1.98	1.58	1.06	0.720	0.600	0.520	0.440	0.360	0.320	0.980
25.	1.14	3.37	3.01	1.88	1.78	1.48	1.06	0.720	0.600	0.520	0.440	0.360	0.320	0.840
26.	1.06	3.61	2.89	1.88	1.68	1.48	0.980	0.720	0.560	0.520	0.560	0.360	0.320	0.840
27.	1.06	13.2	3.73	1.88	1.68	1.48	0.980	0.720	0.600	0.480	0.560	0.360	0.280	0.840
28.	1.06	6.48	8.40	1.98	1.68	1.48	0.980	0.720	0.600	0.520	0.520	0.360	0.360	0.780
29.	1.30	6.81	9.60		1.68	1.48	0.980	0.720	0.560	0.560	0.560	0.320	0.440	0.840
30.	10.8	32.1	7.80		1.68	1.48	1.06	0.720	0.560	0.520	0.520	0.360	0.360	0.720
31.		20.4	4.92		1.58		0.980		0.560	0.520		0.360		0.720

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	13.+	13.	21.+	31.	9.+	26.+	18.+	13.+	6.+	21.+	29.	2.+	1.+
NQ	0.900	0.840	2.53	1.88	1.58	1.48	0.980	0.660	0.560	0.480	0.440	0.320	0.280	0.360
MQ	2.92	4.71	7.25	2.26	2.84	1.72	1.12	0.807	0.605	0.516	0.556	0.460	0.319	0.880
HQ	20.7	44.2	48.0	3.97	8.60	4.10	1.48	6.32	0.840	0.780	1.78	0.980	0.480	3.37
Tag	30.	30.	2.	1.	12.	20.	20.	6.	1.	29.	11.	9.	17.	14.
h_N mm														
h_A mm	38	63	97	27	38	22	15	10	8	7	7	6	4	12

	1957/2002		1958/2003						46 Jahre					
Jahr	1982	1983	1968	1980+	1972	1996	1980+	1980	1991+	1991+	1982+	1991	1982	1983
NQ	0.210	0.080	0.090	0.210	0.320	0.360	0.430	0.320	0.280	0.210	0.210	0.210	0.210	0.080
MNQ	0.615	0.733	0.770	0.986	1.11	1.21	0.972	0.772	0.678	0.566	0.557	0.562	0.602	0.720
MQ	1.18	1.97	2.28	2.35	2.63	1.98	1.46	1.23	0.960	0.817	0.806	0.885	1.16	1.96
MHQ	5.07	10.4	12.4	10.5	11.0	6.02	5.13	6.82	2.77	3.28	2.33	2.89	5.04	10.2
HQ	52.5	44.2	48.0	33.2	47.7	32.3	30.2	41.0	11.4	29.6	20.1	37.5	52.5	44.2
Jahr	1998	2002	2003	1970	2000	1983	1971	1981	1972	1970	1998	1998	1998	2002
Mh_N mm														
Mh_A mm	15	26	30	28	35	26	19	16	13	11	10	12	15	26

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m^3/s	0.320	am 29.10.2003	0.840	0.320	0.280	am 02.11.2003
MQ	m^3/s	2.15		3.66	0.678	1.61	
HQ	m^3/s	48.0	am 02.01.2003	48.0	6.32	48.0	am 02.01.2003
Nq	$l/(skm^2)$	1.59		4.18	1.59	1.39	
Mq	$l/(skm^2)$	10.7		18.2	3.37	8.01	
Hq	$l/(skm^2)$	239		239	31.4	239	
h_N	mm						
h_A	mm	337		285	54	253	
		1958/2003 (*) 46 Jahre				1958/2003	
NQ	m^3/s	0.080	am 14.12.1983	0.080	0.210	0.080	am 14.12.1983
MNQ	m^3/s	0.377		0.506	0.484	0.382	
MQ	m^3/s	1.54		2.06	1.02	1.54	
MHQ	m^3/s	24.4		22.2	10.9	25.0	
HQ	m^3/s	52.5	am 01.11.1998	52.5	41.0	52.5	am 01.11.1998
HQ_1	m^3/s						
HQ_5	m^3/s						
MNq	$l/(skm^2)$	1.88		2.52	2.41	1.90	
Mq	$l/(skm^2)$	7.66		10.2	5.07	7.66	
MHq	$l/(skm^2)$	121		110	54.2	124	
Mh_N	mm						
Mh_A	mm	242		160	81	242	

Extremwerte

	Niedrigwasser m^3/s	$l/(skm^2)$	Datum	Hochwasser m^3/s	$l/(skm^2)$	cm	Datum
1	0.080	0.398	14.12.1983+	52.5	261		01.11.1998
2	0.090	0.448	12.01.1968+	48.0	239		02.01.2003
3	0.100	0.498	10.01.1986	47.7	237		09.03.2000
4	0.100	0.498	03.01.1980+	45.3	225		16.03.1994
5	0.100	0.498	04.12.1979+	44.2	220		30.12.2002
6	0.100	0.498	07.01.1979	41.0	204		04.06.1981
7	0.180	0.896	04.01.1970+	38.8	193		19.12.1988
8	0.200	0.995	01.12.1967+	37.5	187		28.10.1998
9	0.210	1.04	31.08.1996+	35.7	178		12.01.1993
10	0.210	1.04	25.08.1991+	35.7	178		30.12.1986

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abfluß-jahr (*) 2003	Kalender jahr 2003	1958/2003 46 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	33.0	33.0	33.0	17.0	4.21
363	32.7	32.7	32.7	14.0	3.72
362	32.1	23.3	23.3	11.8	3.26
361	23.3	10.4	22.6	10.1	3.08
360	20.7	9.60	21.3	8.92	2.90
359	20.4	8.60	20.6	8.18	2.54
358	13.2	8.40	18.3	7.48	2.54
357	10.8	8.20	17.6	6.84	2.24
356	10.4	7.80	16.2	6.55	2.14
350	7.40	4.92	13.6	4.92	1.74
340	6.32	3.73	8.60	3.66	1.41
330	3.85	3.25	7.28	3.00	1.17
320	3.61	3.01	6.18	2.56	1.08
300	3.01	2.31	4.42	2.09	0.920
270	2.09	1.88	3.55	1.60	0.780
240	1.88	1.58	2.93	1.31	0.710
210	1.58	1.14	2.67	1.10	0.640
183	1.14	0.780	2.44	0.980	0.600
150	0.980	0.660	2.22	0.810	0.500
130	0.780	0.600	2.11	0.760	0.450
120	0.780	0.600	2.11	0.720	0.430
110	0.660	0.600	2.00	0.710	0.430
100	0.660	0.560	2.00	0.660	0.430
90	0.600	0.560	1.90	0.650	0.360
80	0.600	0.560	1.90	0.630	0.360
70	0.600	0.520	1.90	0.580	0.320
60	0.560	0.480	1.80	0.560	0.320
50	0.560	0.440	1.80	0.530	0.280
40	0.560	0.400	1.70	0.500	0.280
30	0.520	0.400	1.60	0.440	0.280
25	0.520	0.400	1.60	0.440	0.280
20	0.520	0.360	1.60	0.410	0.240
15	0.480	0.360	1.60	0.370	0.240
10	0.440	0.320	1.60	0.330	0.240
9	0.440	0.320	1.60	0.330	0.240
8	0.400	0.320	1.60	0.330	0.240
7	0.400	0.320	1.60	0.330	0.240
6	0.400	0.320	1.60	0.320	0.210
5	0.400	0.320	1.60	0.300	0.210
4	0.400	0.320	1.60	0.300	0.160
3	0.400	0.320	1.60	0.280	0.160
2	0.400	0.320	1.60	0.250	0.100
1	0.400	0.320	1.60	0.220	0.100
0	0.320	0.280	1.50	0.080	0.080

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

A_{Eo} : 304 km^2

PNP : NN + 182.56 m

Lage: 11.0 km oberhalb Mündung links

Q

m^3/s

Pegel : Nordhausen Nr. 575500

Gewässer : Zorge

Gebiet : Unstrut

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	3.90	7.35	24.5	6.25	2.05	2.50	2.30	1.05	0.600	0.450	0.300	0.250	0.500	0.600
2.	5.75	7.70	33.0	6.25	2.20	2.35	2.10	1.05	0.500	0.400	0.250	0.250	0.500	0.500
3.	6.75	7.35	53.0	6.25	2.70	2.50	1.95	1.05	0.500	0.400	0.250	0.300	0.500	0.500
4.	8.75	6.75	43.0	5.75	3.50	2.50	1.80	1.05	0.500	0.400	0.250	0.350	0.500	0.500
5.	7.35	6.50	29.5	5.25	3.90	2.35	1.80	0.900	0.500	0.350	0.250	0.300	0.500	0.500
6.	6.25	6.00	21.6	4.75	4.50	2.35	1.80	1.95	0.500	0.350	0.250	0.250	0.500	0.500
7.	5.50	5.50	16.8	4.30	6.00	2.20	1.80	1.50	0.500	0.350	0.250	0.400	0.500	0.500
8.	5.00	4.75	11.9	4.10	6.00	2.05	1.80	1.20	0.500	0.300	0.250	0.700	0.500	0.450
9.	8.75	4.10	9.45	3.90	6.50	2.05	1.95	1.20	0.500	0.300	0.250	1.50	0.500	0.450
10.	11.6	3.50	8.40	3.50	6.00	2.05	1.80	1.05	0.500	0.300	0.300	1.20	0.500	0.450
11.	12.2	3.30	7.00	3.50	6.50	2.05	1.65	1.20	0.500	0.300	1.20	1.05	0.500	0.450
12.	13.6	3.10	6.25	3.10	10.5	2.05	1.65	0.900	0.500	0.250	0.800	0.900	0.500	0.450
13.	13.6	2.90	5.75	2.35	9.10	1.90	1.65	0.900	0.500	0.250	0.500	0.800	0.500	0.700
14.	11.6	2.90	6.50	2.35	8.05	1.90	1.65	0.900	0.500	0.350	0.450	0.700	0.500	10.5
15.	9.80	3.10	7.35	2.35	7.00	1.90	1.65	0.800	0.500	0.300	0.450	0.700	0.500	10.8
16.	8.05	2.90	6.50	2.35	6.25	1.75	1.65	0.800	0.500	0.300	0.400	0.600	0.500	7.35
17.	7.70	3.10	6.00	2.20	5.75	1.75	1.50	0.700	0.500	0.300	0.400	0.600	0.600	5.75
18.	6.75	2.70	5.50	2.20	5.25	1.75	1.50	0.700	0.500	0.300	0.350	0.600	0.700	4.50
19.	6.00	2.50	5.00	2.35	4.50	2.05	1.80	0.700	0.500	0.350	0.350	0.600	0.700	3.90
20.	5.75	2.35	4.75	2.35	4.30	3.30	2.10	0.800	0.500	0.300	0.350	0.500	0.700	3.30
21.	5.50	2.35	4.75	2.20	3.90	2.35	1.65	0.700	0.450	0.300	0.300	0.500	0.700	4.30
22.	5.00	2.90	4.50	2.20	3.50	2.20	1.65	0.700	0.450	0.300	0.250	0.500	0.700	4.75
23.	5.00	7.35	4.50	2.05	3.30	2.20	1.65	0.600	0.500	0.250	0.300	0.500	0.700	4.50
24.	4.50	5.00	4.30	2.05	3.10	2.05	1.65	0.600	0.450	0.300	0.300	0.450	0.600	3.90
25.	4.10	5.00	4.10	2.05	3.10	2.05	1.50	0.500	0.600	0.250	0.250	0.450	0.600	3.70
26.	3.90	5.50	3.90	2.05	3.10	2.05	1.50	0.500	0.500	0.250	0.250	0.450	0.500	3.30
27.	3.50	8.75	4.10	2.05	3.10	2.20	1.35	0.500	0.500	0.250	0.250	0.500	0.500	3.10
28.	3.30	10.2	6.75	2.05	2.90	2.35	1.20	0.500	0.600	0.300	0.250	0.500	0.500	2.90
29.	3.50	10.8	8.75		2.70	2.35	1.20	0.500	0.700	0.400	0.250	0.500	0.700	2.50
30.	7.70	24.5	8.05		2.50	2.50	1.05	0.500	0.500	0.350	0.300	0.500	0.600	2.30
31.		32.0	7.00		2.50		1.05		0.500	0.350		0.500		1.95

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	28.	20.+	26.	23.+	1.	16.+	30.+	25.+	21.+	12.+	2.+	1.+	1.+	8.+
NQ	3.30	2.35	3.90	2.05	2.05	1.75	1.05	0.500	0.450	0.250	0.250	0.250	0.500	0.450
MQ	7.02	6.54	12.0	3.29	4.65	2.19	1.66	0.867	0.511	0.319	0.352	0.577	0.560	2.90
HQ	14.8	38.0	57.0	7.00	10.5	3.70	3.50	4.10	1.05	0.800	1.95	2.70	0.800	13.0
Tag	12.	30.	3.	1.	12.	20.	9.	6.	23.+	29.	11.	9.	19.	14.
h_N mm														
h_A mm	60	58	106	26	41	19	15	7	5	3	3	5	5	26
	1953/2002		1954/2003						50 Jahre					
Jahr	1991	1976	1977	1960	1963	1960	1959	1966	1959	1991+	1959+	1966	1991	1976
NQ	0.150	0.280	0.100	0.080	0.240	0.470	0.270	0.080	0.100	0.150	0.100	0.050	0.150	0.280
MNQ	1.29	1.75	2.10	2.38	2.38	2.78	1.71	0.920	0.747	0.598	0.618	0.779	1.30	1.75
MQ	3.12	5.40	5.94	5.44	6.49	5.68	2.93	2.17	1.58	1.18	1.21	1.89	3.12	5.44
MHQ	9.76	20.1	23.2	14.7	22.1	12.9	6.57	7.50	4.76	3.14	3.65	6.62	9.76	20.3
HQ	85.6	87.1	91.9	49.5	95.1	63.3	24.9	46.5	29.6	11.4	23.8	81.4	85.6	87.1
Jahr	1998	1954	1987	2002	1956	1994	1965	1977	1956	1970	1957	1998	1998	1954
Mh_N mm														
Mh_A mm	27	48	52	43	57	48	26	19	14	10	10	17	27	48

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.250	am 12.08.2003	1.75	0.250	0.250	am 12.08.2003
MQ m^3/s	3.34		6.01	0.715	2.50	
HQ m^3/s	57.0	am 03.01.2003	57.0	4.10	57.0	am 03.01.2003
Nq $l/(s km^2)$	0.822		5.76	0.822	0.822	
Mq $l/(s km^2)$	11.0		19.8	2.35	8.22	
Hq $l/(s km^2)$	188		188	13.5	188	
h_N mm						
h_A mm	346		309	37	259	
	1954/2003 (*) 50 Jahre				1954/2003	
NQ m^3/s	0.050	am 22.10.1966	0.080	0.050	0.050	am 22.10.1966
MNQ m^3/s	0.350		0.926	0.402	0.376	
MQ m^3/s	3.58		5.35	1.83	3.58	
MHQ m^3/s	41.3		39.2	13.9	41.7	
HQ m^3/s	95.1	am 04.03.1956	95.1	81.4	95.1	am 04.03.1956
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	1.15		3.05	1.32	1.24	
Mq $l/(s km^2)$	11.8		17.6	6.02	11.8	
MHq $l/(s km^2)$	136		129	45.7	137	
Mh_N mm						
Mh_A mm	371		275	96	371	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.050	0.164	22.10.1966	95.1	313		04.03.1956
2	0.080	0.263	25.06.1966+	91.9	302		01.01.1987
3	0.080	0.263	09.02.1960	87.1	287		27.12.1954+
4	0.100	0.329	10.09.1997+	86.3	284		30.12.1986
5	0.100	0.329	07.10.1989	85.6	282		01.11.1998
6	0.100	0.329	03.09.1976+	85.3	281		06.01.1982
7	0.100	0.329	12.07.1959+	82.3	271		11.03.1981
8	0.130	0.428	10.07.1960	81.4	268		28.10.1998
9	0.140	0.461	05.10.1964+	80.7	265		19.12.1965
10	0.150	0.493	22.08.1995+	71.6	236		30.01.1995

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1954/2003 50 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	53.0	53.0	87.1	33.2	7.64
363	43.0	43.0	75.2	28.3	7.64
362	33.0	33.0	67.3	24.3	7.64
361	32.0	29.5	53.2	22.1	7.00
360	29.5	24.5	52.7	20.5	7.00
359	29.5	21.6	40.0	19.2	7.00
358	29.5	16.8	37.5	17.8	6.60
357	21.6	11.9	37.5	17.0	6.60
356	16.8	10.8	37.5	16.2	6.48
350	11.9	8.40	24.6	13.3	4.88
340	9.10	6.75	18.1	10.4	4.21
330	7.70	6.25	14.1	8.54	3.60
320	6.75	5.00	12.4	7.34	3.24
300	6.00	4.10	10.4	5.62	2.53
270	4.30	2.50	8.36	4.08	1.95
240	3.10	2.10	6.20	3.16	1.35
210	2.30	1.75	4.94	2.48	0.750
183	1.95	1.20	4.20	2.09	0.460
150	1.35	0.700	3.40	1.64	0.400
130	0.900	0.600	3.00	1.36	0.340
120	0.800	0.600	3.00	1.22	0.340
110	0.600	0.600	2.80	1.14	0.340
100	0.600	0.600	2.60	0.990	0.230
90	0.600	0.600	2.42	0.890	0.230
80	0.600	0.600	2.24	0.800	0.190
70	0.500	0.500	2.24	0.720	0.190
60	0.450	0.450	2.06	0.630	0.190
50	0.400	0.400	2.06	0.560	0.190
40	0.350	0.350	1.88	0.490	0.190
30	0.350	0.350	1.88	0.410	0.160
25	0.350	0.350	1.88	0.410	0.160
20	0.300	0.300	1.88	0.360	0.160
15	0.300	0.300	1.70	0.310	0.160
10	0.300	0.300	1.70	0.270	0.160
9	0.300	0.300	1.70	0.270	0.160
8	0.300	0.300	1.62	0.230	0.160
7	0.300	0.300	1.62	0.230	0.160
6	0.300	0.300	1.52	0.220	0.130
5	0.300	0.300	1.52	0.180	0.130
4	0.300	0.300	1.52	0.170	0.130
3	0.300	0.300	1.50	0.170	0.130
2	0.300	0.300	1.50	0.160	0.120
1	0.300	0.300	1.50	0.140	0.120
0	0.250	0.250	1.38	0.050	0.050

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

A_{Eo} : 62.3 km^2

PNP : NN + 303.64 m

Lage: 7.0 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Ilfeld

Gewässer : Bere

Gebiet : Unstrut

Nr. 575660

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.00	1.92	6.09	0.940	0.360	0.440	0.360	0.200	0.110	0.080	0.060	0.060	0.200	0.230
2.	1.41	2.24	9.05	0.940	0.440	0.570	0.320	0.170	0.140	0.080	0.060	0.060	0.170	0.200
3.	1.41	2.08	18.9	0.940	0.620	0.520	0.290	0.170	0.110	0.060	0.060	0.060	0.140	0.200
4.	1.69	1.84	13.7	0.940	0.820	0.520	0.290	0.170	0.140	0.060	0.060	0.080	0.140	0.200
5.	1.62	1.62	7.95	0.940	1.00	0.440	0.290	0.110	0.140	0.050	0.060	0.110	0.140	0.200
6.	1.55	1.41	4.71	0.820	1.27	0.440	0.290	0.360	0.140	0.045	0.040	0.110	0.170	0.200
7.	1.34	1.27	3.60	0.720	1.62	0.400	0.290	0.200	0.140	0.045	0.040	0.260	0.200	0.200
8.	1.20	0.520	3.20	0.770	1.62	0.360	0.230	0.170	0.110	0.045	0.040	0.360	0.200	0.170
9.	2.40	0.770	3.12	0.670	1.76	0.360	0.260	0.170	0.080	0.045	0.045	0.440	0.200	0.140
10.	2.72	0.620	2.56	0.520	1.76	0.440	0.290	0.110	0.080	0.045	0.050	0.260	0.200	0.140
11.	2.88	0.620	1.62	0.570	1.84	0.400	0.230	0.230	0.080	0.045	0.720	0.230	0.200	0.140
12.	2.88	0.620	1.27	0.570	2.24	0.360	0.230	0.170	0.080	0.045	0.320	0.200	0.140	0.140
13.	2.72	0.570	1.27	0.880	2.08	0.360	0.260	0.200	0.060	0.045	0.170	0.170	0.140	0.440
14.	2.40	0.620	1.27	0.520	2.00	0.320	0.260	0.170	0.060	0.040	0.140	0.110	0.140	2.56
15.	2.08	0.620	1.27	0.480	1.84	0.320	0.230	0.140	0.060	0.045	0.110	0.140	0.140	1.92
16.	1.69	0.570	1.06	0.520	1.62	0.290	0.230	0.140	0.060	0.045	0.110	0.140	0.140	1.41
17.	1.62	0.570	1.00	0.440	1.48	0.260	0.230	0.140	0.060	0.045	0.110	0.140	0.260	1.13
18.	1.41	0.520	0.940	0.670	1.27	0.260	0.260	0.140	0.060	0.045	0.060	0.140	0.290	0.940
19.	1.27	0.480	0.820	0.400	1.20	0.290	0.320	0.170	0.060	0.045	0.060	0.140	0.290	0.820
20.	1.20	0.440	0.820	0.400	1.06	0.720	0.400	0.200	0.060	0.045	0.060	0.140	0.290	0.770
21.	1.06	0.400	0.820	0.400	1.00	0.440	0.290	0.140	0.060	0.045	0.060	0.140	0.230	1.27
22.	1.00	0.520	0.770	0.620	0.820	0.360	0.290	0.140	0.060	0.045	0.060	0.140	0.200	1.34
23.	1.00	0.880	0.770	0.670	0.770	0.360	0.320	0.140	0.050	0.045	0.060	0.140	0.200	1.34
24.	0.880	0.670	0.770	0.770	0.770	0.320	0.290	0.140	0.060	0.045	0.060	0.140	0.200	1.13
25.	0.820	0.670	0.670	0.770	0.670	0.320	0.230	0.140	0.170	0.045	0.060	0.140	0.200	1.00
26.	0.770	0.820	0.670	0.720	0.670	0.320	0.230	0.140	0.140	0.045	0.060	0.170	0.200	1.00
27.	0.670	1.48	0.670	0.360	0.620	0.320	0.230	0.140	0.140	0.045	0.060	0.200	0.140	0.880
28.	0.620	1.92	1.00	0.360	0.620	0.320	0.230	0.110	0.170	0.045	0.060	0.140	0.200	0.820
29.	0.720	2.40	1.06		0.570	0.360	0.200	0.080	0.200	0.060	0.060	0.140	0.320	0.770
30.	1.92	6.27	1.06		0.570	0.440	0.170	0.080	0.140	0.110	0.060	0.170	0.260	0.720
31.		9.53	1.06		0.480		0.170		0.110	0.080		0.200		0.620

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	28.	21.	25.+	27.+	1.	17.+	30.+	29.+	23.	14.	6.+	1.+	3.+	9.+
NQ	0.620	0.400	0.670	0.360	0.360	0.260	0.170	0.080	0.050	0.040	0.040	0.060	0.140	0.140
MQ	1.53	1.47	3.02	0.654	1.14	0.388	0.265	0.159	0.101	0.052	0.099	0.164	0.198	0.743
HQ	2.96	11.3	21.2	1.84	2.40	1.06	0.520	0.570	0.290	0.140	1.06	0.670	0.360	3.28
Tag	9.+	30.+	3.	25.+	12.	20.	19.+	6.	28.+	29.+	11.	9.	28.+	14.
h_N mm														
h_A mm	64	63	130	25	49	16	11	7	4	2	4	7	8	32

	1951/2002		1952/2003 52 Jahre											
Jahr	1962	1969	1970+	1970+	1996	1974	1993	1976+	1976	1962+	1959	1959+	1962	1969
NQ	0.020	0.040	0.010	0.010	0.080	0.130	0.060	0.050	0.010	0.030	0.020	0.020	0.020	0.040
MNQ	0.293	0.400	0.484	0.555	0.548	0.622	0.307	0.199	0.154	0.127	0.125	0.176	0.293	0.387
MQ	0.832	1.48	1.63	1.40	1.75	1.59	0.631	0.527	0.384	0.271	0.285	0.490	0.826	1.47
MHQ	2.70	6.29	6.93	4.08	5.88	4.35	1.74	1.99	1.52	1.22	1.17	2.08	2.68	6.33
HQ	20.5	57.5	31.5	19.5	26.5	43.5	6.79	9.70	7.13	4.71	7.76	34.0	20.5	57.5
Jahr	1998	1965	1987	2002	1981	1994	1971	1986	1955	2002	1957	1998	1998	1965
Mh_N mm														
Mh_A mm	35	64	70	54	75	66	27	22	17	12	12	21	34	63

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.040	am 14.08.2003	0.260	0.040	0.040	am 14.08.2003
MQ m^3/s	0.757		1.38	0.140	0.585	
HQ m^3/s	21.2	am 03.01.2003	21.2	1.06	21.2	am 03.01.2003
Nq $l/(skm^2)$	0.642		4.17	0.642	0.642	
Mq $l/(skm^2)$	12.2		22.2	2.25	9.39	
Hq $l/(skm^2)$	340		340	17.0	340	
h_N mm						
h_A mm	383		346	36	296	

	1952/2003 (*) 52 Jahre				1952/2003	
NQ m^3/s	0.010	am 11.07.1976	0.010	0.010	0.010	am 11.07.1976
MNQ m^3/s	0.075		0.177	0.091	0.076	
MQ m^3/s	0.937		1.45	0.432	0.936	
MHQ m^3/s	12.8		12.3	4.14	13.4	
HQ m^3/s	57.5	am 19.12.1965	57.5	34.0	57.5	am 19.12.1965
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(skm^2)$	1.20		2.84	1.46	1.22	
Mq $l/(skm^2)$	15.0		23.3	6.93	15.0	
MHq $l/(skm^2)$	205		197	66.5	215	
Mh_N mm						
Mh_A mm	474		364	110	474	

Extremwerte

	Niedrigwasser m^3/s	$l/(skm^2)$	Datum	Hochwasser m^3/s	$l/(skm^2)$	cm	Datum
1	0.010	0.161	11.07.1976+	57.5	923		19.12.1965
2	0.010	0.161	19.01.1972+	43.5	698		13.04.1994
3	0.010	0.161	07.01.1970+	34.0	546		28.10.1998
4	0.020	0.321	09.10.1991+	33.3	535		24.12.1967
5	0.020	0.321	31.10.1962+	31.5	506		01.01.1987
6	0.020	0.321	20.09.1959+	30.5	490		06.01.1982
7	0.040	0.642	14.08.2003+	29.0	465		31.12.1986
8	0.040	0.642	01.08.1999+	26.5	425		11.03.1981
9	0.040	0.642	17.08.1995+	25.1	403		27.01.2002
10	0.040	0.642	05.08.1994+	23.6	379		30.01.1995

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1952/2003 52 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	18.9	18.9	37.1	9.18	2.65
363	13.7	13.7	29.7	7.50	2.48
362	9.53	9.05	19.3	6.68	2.32
361	9.05	7.95	16.1	6.10	2.24
360	7.95	6.09	16.1	5.64	2.16
359	6.27	4.71	16.1	5.27	2.00
358	6.09	3.60	11.0	5.01	1.92
357	4.71	3.20	10.3	4.71	1.92
356	3.60	3.12	9.39	4.57	1.71
350	2.88	1.92	6.55	3.69	1.51
340	2.00	1.41	5.56	2.89	1.20
330	1.76	1.20	4.25	2.41	1.03
320	1.55	1.06	3.30	2.01	0.870
300	1.20	0.880	2.65	1.50	0.590
270	0.820	0.620	1.98	1.06	0.440
240	0.670	0.400	1.68	0.780	0.290
210	0.480	0.320	1.29	0.590	0.200
183	0.360	0.260	1.04	0.480	0.140
150	0.260	0.200	0.770	0.370	0.130
130	0.200	0.170	0.720	0.300	0.110
120	0.170	0.170	0.670	0.270	0.110
110	0.170	0.170	0.620	0.240	0.080
100	0.170	0.170	0.570	0.230	0.060
90	0.170	0.170	0.570	0.210	0.050
80	0.140	0.140	0.520	0.180	0.050
70	0.110	0.110	0.480	0.170	0.050
60	0.080	0.080	0.440	0.150	0.050
50	0.080	0.080	0.400	0.130	0.050
40	0.080	0.080	0.400	0.120	0.020
30	0.080	0.080	0.360	0.090	0.020
25	0.050	0.050	0.360	0.090	0.020
20	0.050	0.050	0.360	0.080	0.020
15	0.050	0.050	0.340	0.070	0.020
10	0.050	0.050	0.340	0.060	0.020
9	0.050	0.050	0.340	0.060	0.020
8	0.050	0.050	0.340	0.060	0.020
7	0.050	0.050	0.340	0.060	0.020
6	0.050	0.050	0.340	0.060	0.020
5	0.050	0.050	0.340	0.045	0.020
4	0.050	0.050	0.330	0.045	0.020
3	0.045	0.045	0.330	0.045	0.020
2	0.045	0.045	0.330	0.040	0.020
1	0.045	0.045	0.330	0.020	0.020
0	0.040	0.040	0.300	0.010	0.010

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

A_{Eo} : 1255 km²
PNP : NN + 253.41 m
Lage: 171.0 km oberhalb Mündung rechts

Q
m³/s

Pegel : Greiz — Nr. 576470
Gewässer : Weiße Elster
Gebiet : Weiße Elster

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	11.1	97.6	67.8	32.4	10.8	8.58	K 6.42	4.48	3.89	2.67	4.28	2.25	2.83	2.52
2.	13.8	70.0	79.6	29.0	14.8	9.94	K 4.28	4.28	2.83	2.52	4.48	2.38	2.52	2.52
3.	18.0	55.7	124	28.0	22.7	11.9	K 3.89	4.28	2.83	2.38	4.48	2.25	2.67	2.52
4.	23.7	45.5	95.2	27.0	30.5	12.6	K 3.89	4.28	2.83	2.52	4.48	2.67	2.52	2.38
5.	21.3	41.2	71.2	24.6	22.7	11.6	K 3.89	5.53	3.17	2.38	4.69	2.83	2.13	2.38
6.	20.0	33.4	61.2	21.8	23.2	11.4	K 3.89	6.42	2.67	2.25	4.48	2.67	2.13	2.52
7.	18.8	26.6	54.6	18.8	24.6	10.8	K 3.70	4.90	2.52	2.38	4.08	3.70	2.02	2.38
8.	17.3	21.3	49.4	17.3	21.8	9.94	K 4.28	4.48	2.52	2.67	4.08	4.90	2.02	2.38
9.	21.3	21.8	38.8	16.2	18.8	9.11	K 7.82	6.42	2.83	2.52	4.48	7.58	2.02	2.38
10.	22.3	22.7	30.9	15.2	18.4	8.32	K 8.07	4.28	2.83	2.38	4.08	4.90	2.13	2.38
11.	28.0	16.9	29.5	13.8	19.2	8.58	K 6.19	4.28	2.52	2.38	6.19	4.48	2.13	2.25
12.	27.0	8.07	27.5	12.9	23.7	8.32	K 5.32	4.08	2.38	2.38	12.3	3.89	2.25	2.52
13.	22.7	8.84	22.7	R 11.1	27.5	8.58	K 5.11	7.58	2.25	2.38	7.11	3.00	2.25	3.00
14.	20.9	11.9	23.2	R 10.8	26.6	7.34	K 6.19	13.8	2.25	3.17	6.19	3.00	2.38	4.69
15.	20.0	13.2	23.2	R 10.5	22.3	5.53	K 5.75	9.11	2.13	2.83	5.11	2.83	2.13	4.90
16.	18.4	13.2	20.0	R 10.5	18.8	5.32	K 5.11	3.34	2.02	2.25	4.28	2.83	2.13	3.89
17.	16.9	13.8	18.0	R 9.94	25.1	4.90	K 3.89	2.02	2.52	2.25	3.89	3.00	2.52	3.89
18.	18.0	13.5	16.9	R 9.94	17.7	4.28	K 4.08	2.52	2.67	2.25	3.89	2.67	2.38	3.70
19.	41.2	12.3	15.5	R 9.11	16.9	6.19	K 6.19	2.67	2.13	2.13	3.70	2.83	2.38	3.52
20.	59.0	10.5	14.8	R 9.11	15.5	8.84	K 8.07	2.67	2.02	3.34	3.70	2.83	2.38	3.70
21.	37.3	9.94	14.2	8.84	14.2	6.19	K 7.11	2.13	2.25	2.52	3.70	3.34	2.38	4.90
22.	30.9	10.5	13.5	8.84	11.6	5.53	K 6.88	2.13	2.83	3.00	3.34	3.34	2.25	R 5.75
23.	35.9	28.5	14.2	8.58	11.4	5.53	K 6.65	3.17	2.67	3.00	2.13	3.17	2.38	R 4.90
24.	29.5	24.2	26.6	8.32	10.8	5.53	K 8.32	5.32	2.52	3.17	2.52	2.83	2.52	R 5.11
25.	26.1	21.3	27.0	7.82	10.8	7.58	K 5.11	2.83	3.00	3.17	2.02	3.00	2.38	R 5.75
26.	28.5	16.9	25.1	7.34	10.8	7.58	K 5.75	2.52	2.13	2.38	2.02	2.83	2.38	4.69
27.	18.4	15.5	24.6	8.07	10.5	7.58	K 4.90	2.38	2.38	3.00	2.13	2.67	2.38	4.48
28.	23.2	15.9	36.6	8.84	10.5	6.42	K 4.28	2.25	8.32	3.00	2.13	2.83	2.67	4.69
29.	21.8	15.9	42.8		10.2	5.11	K 4.48	3.17	4.08	3.70	3.34	2.83	3.70	4.69
30.	80.8	38.0	40.4		10.5	4.28	K 4.28	2.83	3.52	4.90	2.38	3.52	2.67	4.28
31.		86.8	35.2		9.66		K 4.48		2.67	4.08		3.00		4.08

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	12.	22.	26.	31.	18.+	7.	17.	16.+	19.	25.+	1.+	7.+	11.
NQ	11.1	8.07	13.5	7.34	9.66	4.28	3.70	2.02	2.02	2.13	2.02	2.25	2.02	2.25
MQ	26.4	27.1	38.2	14.5	17.5	7.78	5.43	4.34	2.84	2.77	4.19	3.25	2.39	3.67
HQ	138	129	135	34.6	28.5	14.5	13.5	15.5	22.3	8.07	17.7	9.38	7.82	7.82
Tag	30.	1.	3.	1.	13.	4.	1.	14.	28.	14.	12.	9.	12.	29.
h_N mm														
h_A mm	55	58	82	28	37	16	12	9	6	6	9	7	5	8
	1924/2002		1925/2003						70 Jahre					
Jahr	1929+	1953	1934	1963	1963	1930	1934	1934	1934	1952	1934	1934	1933	1953
NQ	1.48	0.980	1.48	1.50	1.50	2.51	1.61	1.00	0.960	0.830	1.08	1.22	1.48	0.980
MNQ	5.17	5.10	5.96	7.18	8.50	8.22	5.36	4.60	4.28	3.79	3.81	3.82	5.14	5.09
MQ	8.62	10.5	12.3	13.1	17.4	15.2	10.2	9.24	9.11	6.99	6.38	7.19	8.53	10.5
MHQ	19.9	27.8	32.0	29.6	38.9	31.6	27.3	33.9	36.3	27.5	18.5	19.0	19.8	28.3
HQ	138	155	135	80.7	113	112	160	205	558	244	132	82.2	138	155
Jahr	2002	1974	2003	1941	2000	1988	1978	1961	1954	1955	1995	1966	2002	1974
Mh_N mm														
Mh_A mm	18	22	26	25	37	31	22	19	19	15	13	15	18	22

		Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ	m³/s	2.02	am 17.06.2003	4.28	2.02	2.02	am 17.06.2003
MQ	m³/s	12.9		22.1	3.80	8.90	
HQ	m³/s	138	am 30.11.2002	138	22.3	135	am 03.01.2003
Nq	l/(skm²)	1.61		3.41	1.61	1.61	
Mq	l/(skm²)	10.3		17.6	3.03	7.09	
Hq	l/(skm²)	110		110	17.8	108	
h_N	mm						
h_A	mm	324		275	48	224	
		1925/2003 (*) 72 Jahre				1925/2003	
NQ	m³/s	0.830	am 18.08.1952	0.980	0.830	0.830	am 18.08.1952
MNQ	m³/s	2.67		3.81	2.83	2.72	
MQ	m³/s	10.5		12.9	8.16	10.5	
MHQ	m³/s	89.4		60.5	69.9	91.4	
HQ	m³/s	558	am 11.07.1954	155	558	558	am 11.07.1954
HQ_1	m³/s						
HQ_5	m³/s						
MNq	l/(skm²)	2.13		3.04	2.25	2.17	
Mq	l/(skm²)	8.37		10.3	6.50	8.37	
MHq	l/(skm²)	71.2		48.2	55.7	72.8	
Mh_N	mm						
Mh_A	mm	264		161	103	264	

Extremwerte

	Niedrigwasser m³/s	l/(skm²)	Datum	Hochwasser m³/s	l/(skm²)	cm	Datum
1	0.830	0.661	18.08.1952	558	445		11.07.1954
2	0.880	0.701	04.08.1935	244	194		01.08.1955
3	0.900	0.717	22.07.1928	213	170		06.07.1958
4	0.960	0.765	08.07.1934	205	163		22.08.1970
5	0.980	0.781	13.12.1953	205	163		10.06.1961
6	1.08	0.861	16.09.1934	160	127		08.05.1978
7	1.27	1.01	17.12.1933	155	124		08.12.1974
8	1.38	1.10	06.07.1930+	146	116		21.05.1941
9	1.50	1.20	10.07.1964	144	115		19.06.1926
10	1.50	1.20	01.02.1963+	142	113		06.04.1944

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1925/2003 70 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	124	124	418	77.9	18.1
363	97.6	95.2	367	65.0	16.0
362	95.2	79.6	225	59.6	15.6
361	86.8	71.2	151	55.0	14.2
360	80.8	67.8	112	51.1	13.9
359	79.6	61.2	94.3	47.5	13.2
358	71.2	54.6	94.3	45.1	12.6
357	70.0	49.4	90.0	42.9	12.3
356	67.8	42.8	89.0	41.1	12.0
350	45.5	30.9	69.8	32.9	11.4
340	35.2	27.0	57.0	25.7	9.88
330	29.0	23.2	53.4	21.5	8.96
320	27.0	19.2	50.2	18.7	7.36
300	22.7	12.6	41.4	15.2	5.46
270	17.3	9.11	35.1	12.1	4.14
240	11.6	6.65	29.1	9.94	3.64
210	9.11	5.11	23.2	8.19	3.34
183	6.88	4.48	19.4	6.91	3.16
150	5.11	3.89	16.3	5.67	2.65
130	4.48	3.17	14.2	5.15	2.07
120	4.28	3.17	13.6	4.91	1.98
110	4.08	3.00	12.9	4.70	1.90
100	3.52	2.83	12.0	4.54	1.90
90	3.34	2.83	11.6	4.34	1.75
80	3.17	2.67	11.1	4.23	1.68
70	3.00	2.67	10.6	4.04	1.61
60	2.83	2.52	10.4	3.89	1.61
50	2.83	2.52	10.2	3.65	1.48
40	2.67	2.52	9.01	3.36	1.42
30	2.52	2.38	8.57	3.00	1.37
25	2.52	2.38	8.36	2.80	1.32
20	2.38	2.25	8.04	2.64	1.27
15	2.38	2.25	7.82	2.45	1.27
10	2.25	2.25	7.41	2.20	1.22
9	2.25	2.25	7.41	2.18	1.17
8	2.25	2.25	7.41	2.12	1.17
7	2.25	2.13	7.41	2.06	1.12
6	2.25	2.13	7.41	1.99	1.12
5	2.25	2.13	7.41	1.88	1.12
4	2.13	2.13	7.07	1.76	1.12
3	2.13	2.13	7.07	1.66	1.08
2	2.13	2.13	7.07	1.57	1.04
1	2.13	2.13	6.87	1.38	1.00
0	2.02	2.02	6.67	0.830	0.830

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929 ,1944-1950; AJ 1929; AJ 1945-1950
Beeinflussung durch TS-Steuerung
12 Tage Randeis, 31 Tage Verkrautung

A_{Eo} : 2186 km²
PNP : NN + 180.79 m
Lage: 116.0 km oberhalb Mündung links

Q

m³/s

Pegel : Gera-Langenberg Nr. 576520
Gewässer : Weiße Elster
Gebiet : Weiße Elster

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	17.3	145	101	51.1	17.6	14.2	7.00	7.00	5.94	K 3.81	5.48	4.00	4.60	4.40
2.	18.6	106	109	44.6	22.8	15.0	9.60	6.70	5.94	K 3.62	5.02	4.00	4.40	4.60
3.	26.1	89.6	153	40.1	30.3	17.2	6.70	6.17	4.80	K 3.62	5.48	4.20	3.81	4.40
4.	37.8	78.8	130	35.7	43.1	18.0	6.70	6.42	5.02	K 3.26	5.25	4.60	4.80	4.20
5.	33.7	73.4	100	33.1	43.8	17.2	6.42	6.17	5.02	K 3.43	5.25	5.25	4.00	4.20
6.	31.4	66.3	84.2	30.3	43.1	16.7	6.17	9.22	4.80	K 3.43	5.25	5.25	3.81	4.40
7.	29.3	56.0	75.2	26.0	44.6	15.9	6.17	7.00	4.20	K 3.26	5.02	4.80	3.62	4.40
8.	27.6	47.0	69.0	25.0	41.6	14.6	6.17	6.42	4.20	K 3.43	4.80	6.70	3.62	4.00
9.	32.0	39.3	61.1	24.1	35.0	14.2	9.60	6.42	4.20	K 3.62	4.80	10.0	3.62	4.00
10.	35.7	37.8	47.0	22.8	33.1	12.9	12.0	7.00	5.25	K 3.43	5.02	7.70	3.62	R 4.00
11.	41.6	28.2	45.4	T 20.6	32.0	12.4	10.8	5.71	4.40	K 3.43	6.70	5.94	4.00	R 4.20
12.	45.4	T 16.4	41.6	T 19.3	38.6	12.4	8.46	5.94	3.81	K 3.26	19.3	5.71	4.20	T 4.20
13.	37.8	T 15.0	37.1	T 17.6	42.3	12.9	8.84	7.35	3.81	K 3.11	12.0	4.80	4.60	4.80
14.	35.7	17.7	40.1	T 16.3	41.6	12.4	8.84	14.2	3.81	K 3.43	9.22	4.60	4.20	6.42
15.	33.1	19.1	37.8	T 15.4	33.1	9.60	9.60	15.9	4.60	K 4.40	7.70	4.40	4.40	7.35
16.	30.9	18.6	31.4	T 15.4	28.2	9.22	10.0	6.17	4.40	K 3.43	6.42	4.20	4.00	6.17
17.	28.2	18.2	27.6	T 15.0	24.5	8.84	9.60	4.80	5.02	K 3.11	5.94	4.40	4.40	5.71
18.	27.1	18.2	26.6	T 14.6	23.2	7.70	8.08	5.25	6.42	K 3.26	5.71	3.81	4.60	5.94
19.	47.8	17.7	24.1	14.6	22.8	9.60	10.4	5.71	4.20	K 3.43	5.48	3.81	4.20	5.25
20.	86.9	15.9	22.8	14.6	21.9	13.7	13.3	4.80	3.62	K 3.26	5.25	4.00	4.00	5.02
21.	65.5	15.0	22.8	T 14.6	20.6	11.6	12.0	4.40	3.43	K 4.40	5.02	4.20	4.00	5.48
22.	55.1	15.9	22.8	T 13.7	18.0	8.84	11.6	4.00	3.81	K 3.62	5.25	4.60	4.00	7.00
23.	64.6	53.5	22.3	T 13.7	17.2	8.84	10.8	4.00	5.71	K 4.00	4.60	4.60	3.81	6.70
24.	57.7	42.3	37.8	T 13.7	16.7	8.84	9.60	6.70	4.40	K 3.81	4.20	4.20	4.00	5.02
25.	47.8	36.4	41.6	T 13.3	16.7	8.46	10.8	5.02	4.40	K 4.00	4.40	3.81	4.20	5.48
26.	54.3	28.2	37.1	T 13.3	15.9	11.2	8.08	4.20	4.20	K 4.00	3.81	4.00	4.00	R 6.70
27.	32.0	26.1	37.1	14.2	15.9	10.8	8.08	3.62	3.81	K 3.62	3.81	4.00	4.20	R 5.94
28.	32.5	26.6	56.0	15.4	16.3	12.0	6.70	4.00	7.00	K 4.00	3.81	3.43	4.60	5.94
29.	32.0	25.5	67.2		15.9	8.84	6.70	3.62	7.35	K 4.40	4.60	4.40	5.71	5.71
30.	103	68.1	66.3		16.3	7.70	6.42	5.71	5.48	K 5.48	5.02	4.40	5.48	5.71
31.		125	58.5		15.4		7.00		4.40	K 5.48		4.60		5.48
Tag	1.	13.+	23.	25.+	31.	18.+	6.+	27.+	21.	13.+	26.+	28.	7.+	8.+
NQ	17.3	15.0	22.3	13.3	15.4	7.70	6.17	3.62	3.43	3.11	3.81	3.43	3.62	4.00
MQ	41.6	44.7	55.9	21.7	27.4	12.1	8.78	6.32	4.76	3.74	5.99	4.79	4.22	5.25
HQ	178	180	164	54.3	46.2	19.7	17.2	16.7	18.5	7.70	23.6	13.3	6.70	9.60
Tag	30.	1.	3.	1.	4.	4.	2.	15.	28.	15.	12.	9.	29.	15.
h_N mm														
h_A mm	49	55	68	24	34	14	11	7	6	5	7	6	5	6

Hauptwerte

	1950/2002		1951/2003 53 Jahre											
Jahr	1964	1953	1954+	1954	1963	1993	1955	1964	1964	1952	1964	1964	1964	1953
NQ	3.00	1.90	3.20	2.83	4.00	4.20	3.69	2.44	1.90	2.04	2.26	2.80	3.00	1.90
MNQ	7.48	7.71	9.36	10.8	12.3	11.7	7.73	7.06	5.94	5.56	5.80	5.80	7.43	7.68
MQ	12.1	16.3	18.3	19.4	25.1	22.0	14.5	13.5	13.1	10.3	9.29	10.3	12.0	16.2
MHQ	24.8	42.1	44.5	42.6	57.5	48.5	34.8	47.6	47.2	45.6	24.3	26.4	24.6	42.0
HQ	178	216	164	135	197	232	187	290	667	516	168	139	178	216
Jahr	2002	1974	2003	1987	1956	1980	1978	1965	1954	1981	1995	1974	2002	1974
Mh_N mm														
Mh_A mm	14	20	22	21	31	26	18	16	16	13	11	13	14	20

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m³/s	3.11	am 13.08.2003	7.70	3.11	3.11	am 13.08.2003
MQ m³/s	19.8		34.2	5.72	13.4	
HQ m³/s	180	am 01.12.2002	180	23.6	164	am 03.01.2003
Nq l/(skm²)	1.42		3.52	1.42	1.42	
Mq l/(skm²)	9.06		15.6	2.62	6.13	
Hq l/(skm²)	82.3		82.3	10.8	75.0	
h_N mm						
h_A mm	286		245	42	193	
	1951/2003 (*) 53 Jahre				1951/2003	
NQ m³/s	1.90	am 12.07.1964	1.90	1.90	1.90	am 12.07.1964
MNQ m³/s	4.09		5.66	4.39	4.10	
MQ m³/s	15.3		18.9	11.8	15.3	
MHQ m³/s	133		86.4	106	138	
HQ m³/s	667	am 12.07.1954	232	667	667	am 12.07.1954
HQ_1 m³/s						
HQ_5 m³/s						
MNq l/(skm²)	1.87		2.59	2.01	1.88	
Mq l/(skm²)	7.00		8.65	5.40	7.00	
MHq l/(skm²)	60.8		39.5	48.5	63.1	
Mh_N mm						
Mh_A mm	221		135	86	221	

Extremwerte

	Niedrigwasser m³/s	l/(skm²)	Datum	Hochwasser m³/s	l/(skm²)	cm	Datum
1	1.90	0.869	12.07.1964+	667	305		12.07.1954
2	1.90	0.869	24.12.1953	516	236		10.08.1981
3	2.04	0.933	19.08.1952+	290	133		11.06.1965
4	2.61	1.19	26.06.1955	246	113		02.08.1955
5	2.70	1.24	30.07.2002	237	108		06.07.1958
6	2.83	1.29	26.08.2001	232	106		28.04.1980
7	2.83	1.29	08.02.1954	231	106		22.08.1970
8	3.00	1.37	13.12.1983	219	100		24.06.1975
9	3.11	1.42	13.08.2003+	216	98.8		08.12.1974
10	3.20	1.46	17.01.1972	210	96.1		10.06.1961

Dauertabelle

Unterschrittene Abflüsse m³/s

Unterschreitungsdauer in Tagen	Abflußjahr (*) 2003	Kalenderjahr 2003	1951/2003 53 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	153	153	631	112	18.2
363	145	130	505	96.3	17.6
362	130	109	415	84.8	17.6
361	125	101	246	74.4	17.6
360	109	100	167	68.5	17.0
359	106	84.2	128	64.6	17.0
358	103	75.2	127	61.4	17.0
357	101	69.0	126	58.8	17.0
356	100	67.2	124	56.4	17.0
350	73.4	47.0	105	46.3	15.8
340	57.7	42.3	71.3	37.7	12.6
330	47.8	35.7	58.8	32.0	10.7
320	42.3	27.6	50.4	28.0	9.40
300	36.4	19.3	39.6	22.6	8.20
270	25.5	14.6	35.7	17.7	6.12
240	17.3	10.0	29.1	14.3	5.28
210	14.6	7.35	24.5	11.9	4.52
183	10.4	6.42	20.6	10.1	4.28
150	7.35	5.48	17.8	8.28	4.04
130	6.42	5.02	16.9	7.50	4.04
120	5.94	4.80	15.4	7.18	3.80
110	5.71	4.80	14.2	6.88	3.80
100	5.48	4.60	13.6	6.60	3.80
90	5.02	4.60	13.1	6.26	3.60
80	4.80	4.40	12.7	6.02	3.60
70	4.60	4.40	12.2	5.83	3.60
60	4.40	4.20	11.8	5.59	3.40
50	4.40	4.20	10.9	5.31	3.40
40	4.20	4.00	10.4	5.08	3.20
30	4.00	4.00	10.0	4.83	3.20
25	4.00	3.81	8.77	4.63	3.20
20	3.81	3.81	8.10	4.52	2.83
15	3.62	3.62	8.10	4.30	2.83
10	3.62	3.62	8.10	3.96	2.45
9	3.62	3.62	8.10	3.86	2.45
8	3.62	3.62	8.10	3.81	2.45
7	3.62	3.62	7.79	3.65	2.45
6	3.43	3.43	7.79	3.62	2.45
5	3.43	3.43	7.79	3.46	2.45
4	3.43	3.43	7.79	3.42	2.31
3	3.43	3.43	7.79	3.26	2.31
2	3.43	3.43	7.48	3.11	2.31
1	3.26	3.26	7.48	2.83	2.18
0	3.11	3.11	6.86	1.90	1.90

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10.
Beeinflussung durch TS-Steuerung
4 Tage Randeis, 17 Tage Treibeis/Eisgang, 31 Tage Verkrautung

A_{Eo} : 297 km^2

PNP : NN + 238.29 m

Lage: 7.0 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Weida — Nr. 577320

Gewässer : Weida

Gebiet : Weiße Elster

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.624	21.9	15.3	9.28	1.31	0.940	0.624	0.328	0.500	0.240	0.328	0.562	0.380	0.282
2.	0.940	14.7	15.3	9.05	1.85	0.940	0.624	0.282	0.438	0.240	0.328	0.562	0.282	0.282
3.	1.07	12.0	19.5	6.67	3.54	0.940	0.500	0.282	0.380	0.240	0.282	0.562	0.282	0.282
4.	1.97	11.2	17.1	3.54	6.06	1.07	0.500	0.282	0.380	0.240	0.282	0.624	0.328	0.282
5.	1.73	11.2	13.8	3.71	7.30	1.07	0.500	0.282	0.380	0.240	0.282	0.686	0.282	0.282
6.	1.22	10.7	11.5	3.71	7.09	0.940	0.500	0.328	0.380	0.240	0.240	0.624	0.282	0.282
7.	1.01	10.5	10.5	3.37	6.26	0.811	0.438	0.328	0.328	0.240	0.240	0.686	0.282	0.282
8.	0.940	9.28	9.74	3.03	5.86	0.686	0.438	0.328	0.328	0.240	0.240	0.748	0.282	R 0.282
9.	1.14	7.51	9.28	2.86	5.66	0.624	0.686	0.282	0.438	0.240	0.282	0.940	0.282	R 0.282
10.	1.14	4.93	9.05	2.10	5.11	0.624	1.01	0.282	0.500	0.240	0.240	0.500	0.282	R 0.282
11.	1.73	R 2.69	9.51	1.31	4.39	0.624	1.14	0.240	0.380	0.202	0.438	0.380	0.282	R 0.282
12.	1.97	R 2.23	9.28	1.22	5.11	0.624	0.875	0.240	0.328	0.240	1.40	0.380	0.240	R 0.240
13.	2.52	R 2.10	9.05	R 1.07	5.47	0.624	0.811	0.438	0.282	0.240	0.686	0.328	0.328	0.328
14.	4.75	2.10	11.5	R 1.01	5.11	0.624	1.07	0.282	0.562	0.240	0.438	0.328	0.328	0.500
15.	3.37	2.10	6.88	G 0.940	3.54	0.748	1.73	0.240	1.14	0.328	0.380	0.328	0.282	0.438
16.	2.86	1.61	4.39	G 0.875	3.37	0.624	2.23	0.240	1.22	0.282	0.380	0.328	0.240	0.380
17.	3.20	1.07	3.54	G 0.875	2.52	0.624	2.69	0.380	1.73	0.240	0.328	0.282	0.328	0.380
18.	1.97	1.01	3.20	G 0.811	1.73	0.500	1.85	0.686	1.50	0.240	0.282	0.282	0.282	0.380
19.	3.71	0.940	2.86	G 0.748	1.73	0.624	2.86	0.438	0.380	0.240	0.282	0.282	0.282	0.380
20.	6.67	0.811	2.69	R 0.686	1.73	1.01	2.37	0.380	0.282	0.240	0.282	0.282	0.282	0.380
21.	5.86	0.811	2.69	R 0.686	1.40	0.875	2.37	0.328	0.282	0.240	0.282	0.328	0.240	0.438
22.	5.66	0.940	2.69	R 0.686	1.22	0.811	2.23	0.282	0.282	0.240	0.380	0.328	0.240	0.438
23.	6.67	8.82	2.52	R 0.686	1.07	0.811	1.61	0.282	0.438	0.240	0.562	0.282	0.240	R 0.438
24.	6.67	7.94	4.22	R 0.686	1.07	0.748	1.01	0.438	0.380	0.240	0.624	0.282	0.240	V 0.438
25.	6.67	5.66	4.57	R 0.686	1.01	0.686	1.01	0.380	0.328	0.240	0.624	0.282	0.240	V 0.438
26.	6.46	4.05	4.75	R 0.686	0.811	0.686	1.01	0.282	0.282	0.240	0.624	0.282	0.240	R 0.438
27.	6.46	2.86	4.93	R 0.686	0.940	0.686	0.500	0.240	0.282	0.240	0.624	0.282	0.240	0.380
28.	4.57	3.03	6.06	1.01	1.07	0.686	0.328	0.240	0.562	0.282	0.624	0.240	0.240	0.380
29.	4.75	4.75	7.72		1.14	0.438	0.282	0.282	0.438	0.282	0.748	0.282	0.380	0.380
30.	18.0	13.8	9.74		1.07	0.500	0.282	0.380	0.282	0.328	0.686	0.380	0.328	0.380
31.		19.8	9.74		0.940		0.282		0.282	0.380		0.328		0.328

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	20.+	23.	20.+	26.	29.	29.+	11.+	13.+	11.	6.+	28.	12.+	12.
NQ	0.624	0.811	2.52	0.686	0.811	0.438	0.282	0.240	0.282	0.202	0.240	0.240	0.240	0.240
MQ	3.88	6.55	8.18	2.24	3.11	0.740	1.11	0.323	0.506	0.253	0.447	0.419	0.282	0.354
HQ	29.4	28.8	21.3	9.51	7.51	1.40	3.88	1.85	2.37	0.686	2.86	1.40	0.811	0.624
Tag	30.	1.	3.	1.	5.+	19.	19.	18.	17.	18.+	12.	9.	4.+	14.
h_N mm														
h_A mm	34	59	74	18	28	6	10	3	5	2	4	4	2	3

	1922/2002		1923/2003						79 Jahre					
Jahr	1953	1953	1954	1954+	1954	1960	1966	1934	1930+	1950	1961	1947	1953	1953
NQ	0.030	0.020	0.030	0.070	0.140	0.040	0.030	0.030	0.010	0.000	0.000	0.030	0.030	0.020
MNQ	0.584	0.633	0.803	1.02	1.06	0.814	0.549	0.426	0.369	0.287	0.350	0.369	0.565	0.602
MQ	1.34	1.62	2.16	2.45	3.15	2.39	1.54	1.55	1.13	0.832	0.768	0.978	1.30	1.54
MHQ	4.18	5.04	6.62	7.05	9.60	7.45	6.36	9.27	6.43	5.14	2.96	3.60	3.95	4.93
HQ	29.4	32.1	32.0	34.4	56.0	60.9	75.4	123	124	139	26.7	33.2	29.4	32.1
Jahr	2002	1974	1953	1923	1942	1980	1941	1953	1954	1924	1924	1974	2002	1974
Mh_N mm														
Mh_A mm	12	15	19	20	28	21	14	14	10	8	7	9	11	14

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.202	am 11.08.2003	0.438	0.202	0.202	am 11.08.2003
MQ m^3/s	2.32		4.17	0.511	1.50	
HQ m^3/s	29.4	am 30.11.2002	29.4	3.88	21.3	am 03.01.2003
Nq $l/(s km^2)$	0.681		1.48	0.681	0.681	
Mq $l/(s km^2)$	7.82		14.1	1.72	5.06	
Hq $l/(s km^2)$	99.1		99.1	13.1	71.8	
h_N mm						
h_A mm	247		220	27	159	

	1923/2003 (*) 80 Jahre				1923/2003	
NQ m^3/s	0.000	am 02.09.1961	0.020	0.000	0.000	am 02.09.1961
MNQ m^3/s	0.171		0.348	0.192	0.175	
MQ m^3/s	1.65		2.19	1.12	1.64	
MHQ m^3/s	24.8		15.6	18.6	24.9	
HQ m^3/s	139	am 15.08.1924	60.9	139	139	am 15.08.1924
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	0.576		1.17	0.647	0.590	
Mq $l/(s km^2)$	5.56		7.38	3.77	5.53	
MHq $l/(s km^2)$	83.6		52.6	62.7	83.9	
Mh_N mm						
Mh_A mm	175		115	60	174	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.000		02.09.1961+	139	468		15.08.1924
2	0.000		10.08.1950+	124	418		11.07.1954
3	0.010	0.034	16.07.1935+	123	415		28.06.1953
4	0.010	0.034	03.07.1934+	104	351		11.06.1965
5	0.010	0.034	06.07.1930+	75.4	254		21.05.1941
6	0.020	0.067	26.12.1953+	60.9	205		27.04.1980+
7	0.020	0.067	20.09.1947+	56.0	189		19.03.1942
8	0.020	0.067	12.09.1937	52.4	177		06.07.1958
9	0.030	0.101	24.05.1966+	43.5	147		22.08.1970
10	0.040	0.135	31.07.1970	41.3	139		24.05.1926

Dauertabelle

Unterschreitungsdauer in Tagen	Unterschrittene Abflüsse m^3/s: Abflußjahr (*) 2003	Kalenderjahr 2003	1923/2003 79 Kalenderjahre: Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	21.9	19.5	82.6	17.3	1.69
363	19.8	17.1	71.0	14.6	1.26
362	19.5	17.1	29.8	12.6	1.18
361	18.0	17.1	26.0	11.3	1.18
360	17.1	13.8	23.7	10.6	1.18
359	17.1	13.8	23.3	9.90	1.18
358	17.1	13.8	21.4	9.43	1.18
357	14.7	10.5	20.6	8.90	1.09
356	14.7	10.5	18.9	8.38	1.09
350	11.5	9.51	15.7	6.66	1.00
340	9.51	6.26	10.9	5.00	0.820
330	7.09	4.57	9.00	4.02	0.780
320	6.26	3.54	8.17	3.41	0.660
300	4.57	1.85	6.87	2.53	0.580
270	2.52	1.07	5.44	1.76	0.570
240	1.31	0.748	4.78	1.28	0.450
210	1.01	0.686	3.97	0.960	0.380
183	0.748	0.500	3.06	0.770	0.270
150	0.686	0.438	2.61	0.610	0.240
130	0.500	0.380	2.47	0.520	0.200
120	0.500	0.380	2.34	0.490	0.180
110	0.438	0.328	2.22	0.460	0.140
100	0.380	0.328	2.11	0.430	0.130
90	0.380	0.328	2.11	0.400	0.110
80	0.380	0.328	2.00	0.370	0.090
70	0.328	0.328	1.90	0.350	0.070
60	0.328	0.328	1.80	0.320	0.070
50	0.328	0.328	1.80	0.300	0.060
40	0.328	0.282	1.70	0.280	0.050
30	0.282	0.282	1.60	0.240	0.050
25	0.282	0.282	1.40	0.230	0.040
20	0.282	0.282	1.40	0.200	0.040
15	0.282	0.282	1.31	0.170	0.020
10	0.282	0.282	1.31	0.130	0.020
9	0.282	0.282	1.31	0.120	0.020
8	0.282	0.282	1.23	0.120	0.020
7	0.282	0.282	1.23	0.110	0.020
6	0.282	0.282	1.23	0.100	0.020
5	0.282	0.282	1.23	0.090	0.010
4	0.282	0.282	1.23	0.080	0.010
3	0.282	0.282	1.23	0.070	0.010
2	0.282	0.282	1.23	0.050	0.010
1	0.282	0.282	1.15	0.040	0.010
0	0.202	0.202	1.07	0.000	0.000

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929; AJ 1929;
Beeinflussung durch TS-Steuerung
5 Tage Grundeis, 2 Tage Eisversetzung/Eisstau, 20 Tage Randeis

A_{Eo} : 293 km^2

PNP : NN + 202.15 m

Lage: 62.8 km oberhalb Mündung rechts

Q

m^3/s

Pegel : Gössnitz Nr. 577510

Gewässer : Pleiße

Gebiet : Weiße Elster

Tageswerte

Tag	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	1.70	19.0	11.0	4.61	3.89	1.70	0.970	0.810	1.58	0.560	0.680	0.810	0.810	0.560
2.	3.17	11.0	19.8	4.07	5.69	1.97	0.810	0.890	1.06	0.560	0.890	0.810	0.740	0.510
3.	3.89	6.41	22.8	4.25	6.41	1.83	0.890	0.810	0.970	0.560	0.740	0.740	0.740	0.510
4.	6.05	5.15	14.1	4.61	6.05	1.70	0.890	0.970	1.36	0.560	0.680	1.06	0.890	0.510
5.	3.53	4.79	7.67	3.89	4.61	1.47	0.890	0.810	1.06	0.510	0.680	1.16	0.740	0.510
6.	2.63	4.07	5.87	3.53	3.89	1.47	0.810	0.740	0.890	0.510	0.680	0.890	0.680	0.510
7.	2.28	3.71	4.97	3.35	3.89	1.47	0.810	0.810	0.810	0.510	0.620	1.47	0.680	0.460
8.	2.28	3.17	4.25	3.17	3.35	1.47	0.810	0.740	0.740	0.510	0.620	1.83	0.680	0.460
9.	5.69	2.99	4.07	2.63	3.35	1.36	2.12	0.740	0.970	0.460	0.680	2.12	0.680	0.460
10.	5.51	2.45	4.79	2.28	2.99	1.36	1.97	0.680	0.810	0.460	0.510	1.06	0.890	0.460
11.	8.03	2.28	3.53	2.28	2.63	1.36	1.26	0.620	0.740	0.510	2.45	0.970	0.560	0.510
12.	5.87	1.97	2.99	2.28	3.71	1.26	1.16	0.810	0.740	0.510	3.35	0.740	0.460	0.560
13.	4.43	1.97	2.81	2.28	3.35	1.26	1.16	1.16	0.890	0.560	1.47	0.740	0.460	0.680
14.	3.53	1.97	4.25	3.17	2.99	1.26	1.16	0.890	0.680	0.560	0.890	0.810	0.460	1.16
15.	2.99	1.97	5.51	1.97	2.63	1.47	0.970	0.890	0.680	0.560	0.810	0.810	0.510	0.890
16.	2.63	1.97	4.79	1.97	2.28	1.58	0.890	0.890	0.680	0.510	0.810	0.740	0.510	0.890
17.	2.45	2.45	4.43	1.83	2.12	1.06	0.890	0.890	0.740	0.510	0.810	0.740	0.890	0.890
18.	2.28	2.12	3.89	1.83	1.97	1.26	0.970	1.47	0.810	0.510	0.740	0.810	0.680	0.620
19.	15.2	1.97	3.53	1.83	1.83	1.97	1.83	1.47	0.560	0.560	0.740	0.810	0.460	0.620
20.	12.0	1.83	4.07	2.12	1.83	1.83	1.47	1.26	0.560	0.510	0.740	0.740	0.460	0.560
21.	6.41	1.70	4.97	1.97	1.70	1.36	1.47	0.810	0.680	0.510	0.680	0.890	0.510	0.680
22.	5.33	3.35	4.43	1.70	1.70	1.36	1.26	0.740	0.680	0.510	0.680	0.810	0.510	0.620
23.	9.32	13.7	4.07	1.58	1.58	1.47	0.970	0.970	0.680	0.560	0.810	0.740	0.460	0.560
24.	5.51	6.05	12.7	1.58	1.58	1.36	0.890	1.06	0.620	0.680	0.740	0.890	0.510	0.740
25.	4.43	4.61	8.39	1.70	1.58	1.26	0.890	0.890	0.680	0.890	0.810	0.740	0.510	0.510
26.	3.53	3.53	6.41	1.70	1.26	1.47	0.890	0.810	0.620	0.740	0.740	0.680	0.510	0.560
27.	3.17	4.43	6.95	1.97	1.26	1.26	0.890	0.810	0.560	0.560	0.740	0.740	0.560	0.620
28.	2.81	3.71	12.2	2.45	1.58	1.36	0.810	0.740	1.06	0.560	0.740	0.740	0.740	0.620
29.	2.99	3.53	9.89		1.26	1.26	0.890	0.890	0.620	0.680	1.36	0.970	1.16	0.680
30.	21.3	21.9	8.03		1.16	1.26	0.810	1.16	0.620	1.06	0.810	1.36	0.620	0.740
31.		22.6	5.87		1.36		0.890		0.560	0.680		0.890		0.510

Hauptwerte

	2002 Nov	2002 Dez	2003 Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tag	1.	21.	13.	23.+	30.	17.	2.+	11.	19.+	9.+	10.	26.	12.+	7.+
NQ	1.70	1.70	2.81	1.58	1.16	1.06	0.810	0.620	0.560	0.460	0.510	0.680	0.460	0.460
MQ	5.36	5.56	7.19	2.59	2.76	1.45	1.08	0.908	0.797	0.578	0.923	0.945	0.636	0.618
HQ	36.2	34.7	35.7	7.13	8.39	4.25	4.61	4.07	4.79	2.45	7.13	3.35	1.58	1.58
Tag	30.	30.+	2.	14.	2.	19.	19.	18.	4.	30.	11.	22.	6.+	14.+
h_N mm														
h_A mm	47	51	66	21	25	13	10	8	7	5	8	9	6	6

	1923/2002		1924/2003						76 Jahre					
Jahr	1949	1949	1950	1950	1950	1950	1950	1950	1949	1948+	1949	1949	1949	1949
NQ	0.000	0.000	0.040	0.010	0.100	0.030	0.060	0.010	0.000	0.000	0.000	0.000	0.000	0.000
MNQ	0.985	0.957	1.04	1.17	1.26	1.16	0.992	0.862	0.816	0.756	0.768	0.815	0.977	0.946
MQ	1.58	1.76	2.04	2.34	2.77	2.09	1.70	1.71	1.59	1.31	1.24	1.38	1.57	1.76
MHQ	6.06	7.68	10.2	10.9	14.1	9.57	10.5	15.4	12.7	12.6	7.39	6.09	6.10	7.78
HQ	45.4	43.9	79.5	55.8	77.4	50.5	88.9	107	120	102	66.5	47.2	45.4	43.9
Jahr	1941	1974	1932	1940	1942	1980	1941	1961	1954	2002	1995	1974	1941	1974
Mh_N mm														
Mh_A mm	14	16	19	19	25	18	16	15	15	12	11	13	14	16

	Abflußjahr (*) 2003 Jahr	Datum	Winter	Sommer	Kalenderjahr 2003 Jahr	Datum
NQ m^3/s	0.460	am 09.08.2003	1.06	0.460	0.460	am 09.08.2003
MQ m^3/s	2.52		4.19	0.871	1.71	
HQ m^3/s	36.2	am 30.11.2002	36.2	7.13	35.7	am 02.01.2003
Nq $l/(s km^2)$	1.57		3.62	1.57	1.57	
Mq $l/(s km^2)$	8.60		14.3	2.97	5.84	
Hq $l/(s km^2)$	124		124	24.3	122	
h_N mm						
h_A mm	271		224	47	184	

	1924/2003 (*) 78 Jahre				1924/2003	
NQ m^3/s	0.000	am 01.11.1949	0.000	0.000	0.000	am 22.08.1950
MNQ m^3/s	0.597		0.802	0.623	0.588	
MQ m^3/s	1.79		2.10	1.48	1.79	
MHQ m^3/s	37.1		23.9	29.3	37.7	
HQ m^3/s	120	am 11.07.1954	79.5	120	120	am 11.07.1954
HQ_1 m^3/s						
HQ_5 m^3/s						
MNq $l/(s km^2)$	2.04		2.74	2.13	2.01	
Mq $l/(s km^2)$	6.11		7.17	5.05	6.11	
MHq $l/(s km^2)$	127		81.6	100	129	
Mh_N mm						
Mh_A mm	193		112	80	193	

Extremwerte

	Niedrigwasser m^3/s	$l/(s km^2)$	Datum	Hochwasser m^3/s	$l/(s km^2)$	cm	Datum
1	0.000		22.08.1950	120	410		11.07.1954
2	0.000		20.07.1949+	107	365		10.06.1961
3	0.000		29.08.1948+	102	348		12.08.2002
4	0.010	0.034	21.02.1950+	91.4	312		10.06.1949
5	0.050	0.171	31.12.1931+	88.9	303		20.05.1941
6	0.060	0.205	01.01.1948+	79.5	271		04.01.1932
7	0.060	0.205	04.09.1947+	77.4	264		18.03.1942
8	0.080	0.273	19.04.1949	77.0	263		25.06.1975
9	0.080	0.273	14.06.1948+	66.5	227		01.09.1995
10	0.080	0.273	26.07.1943+	64.9	222		15.08.1924

Dauertabelle

Unterschrittene Abflüsse m^3/s

Unterschreitungsdauer in Tagen	Abfluß-jahr (*) 2003	Kalenderjahr 2003	1924/2003 76 Kalenderjahre Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte
(365)					
364	22.8	22.8	82.0	19.1	3.70
363	22.6	19.8	61.5	14.5	2.71
362	21.9	14.1	54.4	12.3	2.20
361	21.3	12.7	38.5	10.8	2.20
360	19.8	12.2	28.4	9.18	2.08
359	19.0	11.0	27.2	8.44	2.04
358	15.2	9.89	26.5	7.72	1.80
357	14.1	8.39	22.8	7.25	1.80
356	13.7	8.03	21.0	6.82	1.80
350	9.89	6.05	15.9	5.14	1.52
340	6.95	4.79	11.0	3.85	1.30
330	5.69	4.07	9.60	3.17	1.14
320	4.79	3.53	8.82	2.71	0.940
300	4.07	2.28	7.16	2.25	0.760
270	2.99	1.70	5.53	1.84	0.550
240	2.12	1.36	4.64	1.58	0.420
210	1.70	1.16	3.97	1.39	0.250
183	1.47	0.970	3.64	1.25	0.150
150	1.06	0.890	3.01	1.12	0.030
130	0.970	0.810	2.70	1.03	0.020
120	0.970	0.810	2.55	1.00	0.020
110	0.890	0.810	2.55	0.950	0.010
100	0.890	0.740	2.40	0.900	0.010
90	0.890	0.740	2.25	0.890	0.010
80	0.810	0.740	2.11	0.840	0.010
70	0.810	0.680	1.97	0.810	0.010
60	0.810	0.620	1.97	0.780	0.010
50	0.740	0.620	1.84	0.720	0.010
40	0.740	0.620	1.74	0.670	0.010
30	0.680	0.560	1.74	0.600	0.010
25	0.620	0.560	1.74	0.560	0.010
20	0.620	0.560	1.48	0.500	0.010
15	0.620	0.560	1.48	0.460	0.010
10	0.560	0.510	1.48	0.310	0.010
9	0.560	0.510	1.48	0.270	0.010
8	0.560	0.510	1.48	0.230	0.010
7	0.560	0.510	1.48	0.230	0.010
6	0.560	0.510	1.48	0.150	0.010
5	0.560	0.510	1.48	0.120	0.010
4	0.560	0.510	1.48	0.090	0.010
3	0.560	0.510	1.46	0.050	0.010
2	0.560	0.510	1.46	0.020	0.010
1	0.510	0.510	1.46	0.010	0.010
0	0.460	0.460	1.37	0.000	0.000

(*) Abflußjahr: 1.11. des Vorjahres bis 31.10. Ausfalljahre: KJ 1928-1929 ,1944-1945; AJ 1929 ,1945;
Beeinflussung durch Talsperre Koberbach