

A_{Eo} : 51.20 km²
 PNP : NHN+ 427.86 m
 Lage : 283.00 km oberhalb der Mündung links



Pegel : Eisfeld-Bahnbrücke Nr. 420001
 Gewässer : Werra
 Gebiet : Werra

Tag	2010		2011											
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	0.360	0.707	R 0.845	0.641	0.519	0.845	0.160	0.100	0.155	0.207	0.160	0.238	0.360	0.207
2.	0.360	0.641	R 0.774	0.641	0.463	0.774	0.160	0.100	0.140	0.207	0.160	0.207	0.360	0.207
3.	0.360	0.707	R 0.774	0.579	0.463	0.707	0.160	0.100	0.160	0.207	0.160	0.207	0.360	0.238
4.	0.410	0.641	R 0.707	0.579	0.410	0.707	0.160	0.100	0.155	0.238	0.160	0.207	0.360	0.579
5.	0.410	0.579	0.641	1.22	0.410	0.641	0.155	0.100	0.140	0.207	0.360	0.207	0.360	1.89
6.	0.463	0.579	0.845	1.55	0.410	0.579	0.155	0.100	0.125	0.207	0.238	0.238	0.360	0.845
7.	0.774	0.519	3.37	1.22	0.360	0.519	0.155	0.075	0.140	0.274	0.315	0.315	0.360	0.991
8.	0.641	0.707	6.07	1.07	0.360	0.463	0.155	0.274	0.160	0.315	0.410	0.463	0.360	0.707
9.	0.519	0.845	7.59	1.07	0.360	0.463	0.155	0.155	0.125	0.315	0.410	0.360	0.315	1.63
10.	0.519	0.707	6.56	0.991	0.360	0.410	0.140	0.125	0.140	0.274	0.360	0.463	0.315	1.63
11.	0.641	0.845	4.58	1.55	0.360	0.410	0.140	0.125	0.155	0.274	0.774	0.410	0.315	1.38
12.	1.55	1.22	3.48	1.72	0.410	0.410	0.140	0.100	0.125	0.238	0.991	1.15	0.315	1.38
13.	3.05	0.991	8.12	1.63	0.410	0.410	0.140	0.100	0.315	0.315	0.519	1.22	0.315	1.38
14.	3.05	0.916	16.7	1.72	0.463	0.360	0.140	0.100	1.55	0.463	0.463	0.774	0.315	1.63
15.	2.75	0.845	13.6	1.63	0.641	0.315	0.125	0.100	0.579	0.519	0.410	0.641	0.315	1.55
16.	3.48	0.774	9.24	1.47	0.991	0.315	0.125	0.100	0.463	0.410	0.410	0.579	0.274	2.85
17.	2.95	0.774	6.23	1.30	1.47	0.274	0.125	0.125	0.463	0.315	0.410	0.519	0.238	3.48
18.	2.55	0.707	4.58	1.15	1.63	0.274	0.125	0.140	0.410	0.274	0.519	0.463	0.238	2.75
19.	2.17	0.641	3.71	0.991	1.55	0.274	0.125	0.125	0.360	0.315	0.463	0.579	0.207	2.17
20.	1.81	0.641	2.95	0.916	1.47	0.238	0.125	0.125	0.519	0.274	0.360	0.519	0.207	1.72
21.	1.55	0.641	2.45	0.774	1.30	0.238	0.125	0.274	0.410	0.238	0.360	0.463	0.207	1.47
22.	1.38	0.641	1.98	0.707	1.15	0.207	0.125	0.274	0.410	0.207	0.360	0.463	0.207	1.15
23.	1.22	0.991	1.72	0.641	0.991	0.207	0.125	0.207	0.315	0.207	0.360	0.410	0.160	1.55
24.	1.22	1.15	1.47	R 0.641	0.916	0.160	0.125	0.140	0.274	0.207	0.315	0.410	0.207	3.48
25.	1.15	1.15	1.22	0.579	0.916	0.160	0.100	0.140	0.274	0.160	0.315	0.410	0.207	3.16
26.	1.07	1.07	1.15	0.579	0.916	0.160	0.100	0.140	0.238	0.160	0.274	0.360	0.160	3.37
27.	0.991	1.07	0.991	0.579	0.845	0.207	0.100	0.125	0.238	0.274	0.274	0.360	0.160	3.48
28.	0.916	0.991	0.916	0.519	0.774	0.207	0.100	0.125	0.238	0.238	0.274	0.360	0.160	3.48
29.	0.845	0.916	0.845		0.774	0.160	0.100	0.125	0.238	0.207	0.238	0.315	0.160	3.05
30.	0.774	R 0.845	0.774		0.707	0.160	0.100	0.160	0.238	0.207	0.238	0.315	0.160	2.85
31.		R 0.774	0.707		0.774		0.100		0.238	0.160		0.315		2.36

Tag	1.+	7.	5.	28.	7.+	24.+	25.+	7.	6.+	25.+	1.+	2.+	23.+	1.+
NQ	0.360	0.519	0.641	0.519	0.360	0.160	0.100	0.075	0.125	0.160	0.160	0.207	0.160	0.207
MQ	1.33	0.814	3.73	1.02	0.760	0.375	0.131	0.136	0.306	0.262	0.369	0.450	0.268	1.89
HQ	3.95	1.38	18.2	1.98	1.81	0.916	0.160	1.47	7.41	1.98	4.58	2.45	0.360	5.44
Tag	16.	12.	14.	11.	17.	1.	8.	1.	13.	14.	11.	12.	1.	16.
h _N mm	67	43	195	48	40	19	7	7	16	14	19	24	14	99
h _A mm	1960/2010		1961/2011 51 Kalenderjahre ²											
Jahr	1990	1990	1963	1963	1965	2011	2011	1976	1976	1976	1976	1976	1990	1990
NQ	0.010	0.100	0.130	0.120	0.060	0.160	0.100	0.050	0.020	0.010	0.030	0.070	0.010	0.100
MNQ	0.490	0.653	0.591	0.616	0.735	0.760	0.394	0.301	0.274	0.219	0.235	0.317	0.463	0.647
MQ	1.18	1.79	1.59	1.44	1.74	1.68	0.809	0.624	0.525	0.405	0.542	0.655	1.13	1.80
MHQ	3.69	6.72	6.16	4.36	5.50	4.62	2.04	2.45	2.66	1.66	2.28	2.15	3.60	6.73
HQ	16.3	37.6	26.1	20.4	19.0	18.9	9.80	19.2	10.0	6.15	22.8	9.24	16.3	37.6
Jahr	1998	1967	2002	2005	2006	1962	1970	1987	2005	1972	1998	1998	1998	1967
Mh _N mm	60	94	83	68	91	85	42	32	27	21	27	34	57	94
Mh _A mm														

Hauptwerte	Abflussjahr (*) 2011				Kalenderjahr 2011		Unter-schreitungs-dauer in Tagen	Unterschrittene Abflüsse m³/s				
	Jahr	Datum	Winter	Sommer	Jahr	Datum		Abfluss-jahr (*) 2011	Kalender-jahr 2011	1961/2011 51 Kalenderjahre ² Obere Hüllkurve	Mittlere Werte	Untere Hüllkurve
NQ m³/s	0.075	am 07.06.2011	0.160	0.075	0.075	am 07.06.2011	364	16.7	16.7	24.0	10.8	2.52
MQ m³/s	0.808		1.35	0.276	0.812		363	13.6	13.6	20.2	8.41	1.83
HQ m³/s	18.2	am 14.01.2011	18.2	7.41	18.2	am 14.01.2011	362	9.24	9.24	18.6	7.38	1.83
Nq l/(skm²)	1.46		3.13	1.46	1.46		361	8.12	8.12	12.9	6.55	1.83
Mq l/(skm²)	15.8		26.4	5.39	15.9		360	7.59	7.59	11.5	5.92	1.55
Hq l/(skm²)	355		355	145	355		359	6.56	6.56	11.2	5.54	1.37
h _N mm							358	6.23	6.23	10.8	5.20	1.37
h _A mm	498		412	86	500		357	6.07	6.07	9.80	4.93	1.37
							356	4.58	4.58	9.11	4.65	1.37
							355	3.05	3.48	6.55	3.71	1.09
							340	1.72	2.45	5.09	2.91	1.09
							330	1.55	1.63	4.61	2.45	0.990
							320	1.22	1.55	3.59	2.11	0.780
							300	0.991	1.07	2.91	1.67	0.500
							270	0.774	0.707	2.13	1.24	0.370
							240	0.641	0.519	1.82	0.960	0.310
							210	0.519	0.410	1.58	0.750	0.270
							183	0.410	0.360	1.42	0.630	0.260
							150	0.360	0.274	1.19	0.480	0.130
							130	0.274	0.238	1.09	0.420	0.100
							120	0.274	0.238	1.01	0.390	0.070
							110	0.238	0.207	0.930	0.380	0.070
							100	0.238	0.207	0.850	0.340	0.070
							90	0.207	0.207	0.850	0.320	0.050
							80	0.160	0.160	0.850	0.300	0.050
							70	0.160	0.160	0.850	0.274	0.050
							60	0.155	0.155	0.770	0.260	0.050
							50	0.140	0.140	0.770	0.230	0.050
							40	0.140	0.140	0.700	0.210	0.030
							30	0.125	0.125	0.700	0.190	0.020
							25	0.125	0.125	0.630	0.170	0.020
							15	0.100	0.100	0.560	0.160	0.020
							10	0.100	0.100	0.440	0.140	0.020
							9	0.100	0.100	0.440	0.125	0.020
							8	0.100	0.100	0.440	0.120	0.010
							7	0.100	0.100	0.390	0.120	0.010
							6	0.100	0.100	0.390	0.105	0.010
							5	0.100	0.100	0.390	0.100	0.010
							4	0.100	0.100	0.390	0.080	0.010
							3	0.100	0.100	0.360	0.070	0.010
							2	0.100	0.100	0.360	0.070	0.010
							1	0.100	0.100	0.360	0.030	0.010
							0	0.075	0.075</			

A_{Eo} : 220.80 km²
 PNP : HN+ 355.00 m
 Lage : 260.50 km oberhalb der Mündung rechts



m³/s

Pegel : Ebenhards Nr. 420011
 Gewässer : Werra
 Gebiet : Werra

	Tag	2010		2011											
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tageswerte	1.	0.838	1.87	R 2.13	2.59	1.87	1.71	0.586	0.352	0.632	0.543	0.461	0.586	0.786	0.461
	2.	0.734	R 1.71	2.04	2.50	1.79	1.55	0.586	0.352	0.586	0.543	0.423	0.543	0.786	0.461
	3.	0.734	R 1.71	1.96	2.31	1.71	1.48	0.586	0.352	0.734	0.543	0.423	0.586	0.786	0.501
	4.	0.786	R 1.55	1.96	2.31	1.71	1.48	0.586	0.288	0.586	0.890	0.423	0.501	0.838	1.13
	5.	0.786	R 1.48	1.87	4.59	1.71	1.41	0.543	0.288	0.501	0.734	0.734	0.586	0.838	5.61
	6.	0.890	R 1.48	2.22	5.35	1.63	1.26	0.543	0.386	0.461	0.543	0.501	0.543	0.838	2.89
	7.	1.71	1.41	10.2	4.46	1.55	1.20	0.543	0.386	0.461	0.890	0.632	0.890	0.786	3.20
	8.	1.63	1.96	19.5	3.87	1.48	1.13	0.543	1.26	0.838	0.890	0.682	1.13	0.786	3.20
	9.	1.34	3.42	20.3	3.53	1.48	1.07	0.501	0.682	0.543	1.07	0.682	0.890	0.786	4.10
	10.	1.34	2.59	18.0	3.31	1.48	1.07	0.501	0.461	0.461	0.890	0.543	1.26	0.682	4.22
	11.	1.55	2.79	11.7	4.10	1.55	1.01	0.501	0.423	0.734	0.682	0.838	1.13	0.682	3.31
	12.	4.10	5.88	10.2	4.59	1.55	1.07	0.501	0.386	0.501	0.734	4.10	2.04	0.734	3.31
	13.	7.00	4.34	29.1	4.71	1.55	1.01	0.501	0.423	0.423	0.734	1.55	4.22	0.682	3.42
	14.	6.02	3.31	50.8	4.96	1.63	1.01	0.461	0.423	2.99	1.01	1.20	2.31	0.682	3.64
	15.	5.75	2.79	36.9	4.59	1.63	0.947	0.461	0.461	1.71	1.48	1.01	1.87	0.501	4.34
	16.	8.64	2.59	24.4	4.10	1.96	0.890	0.501	0.386	1.20	1.01	0.890	1.55	0.586	8.34
	17.	6.29	2.50	17.1	3.75	2.50	0.890	0.501	0.543	1.01	0.838	1.01	1.41	0.543	11.2
	18.	5.22	R 2.31	13.1	3.42	3.20	0.838	0.501	0.890	1.13	0.734	1.48	1.34	0.543	7.00
	19.	4.46	R 2.13	11.2	3.20	2.89	0.838	0.501	0.543	0.947	0.890	1.26	1.71	0.543	5.35
	20.	3.87	2.22	9.58	2.89	2.59	0.786	0.501	0.501	1.26	0.786	1.01	1.48	0.543	4.34
	21.	3.42	2.04	8.03	2.69	2.31	0.786	0.501	1.07	0.947	0.682	0.890	1.34	0.501	3.87
	22.	3.20	2.31	7.00	2.50	2.13	0.786	0.501	1.07	1.07	0.632	0.838	1.20	0.501	3.87
	23.	3.09	3.09	6.02	2.31	1.96	0.734	0.501	1.07	0.890	0.586	0.838	1.13	0.501	4.46
	24.	3.64	3.53	5.48	2.22	1.87	0.734	0.461	0.786	0.838	0.586	0.734	1.13	0.501	7.44
	25.	3.53	3.31	5.09	2.13	1.87	0.734	0.423	0.734	0.838	0.543	0.734	1.07	0.501	7.44
	26.	3.20	R 2.99	4.71	2.04	1.79	0.734	0.423	0.586	0.786	0.501	0.682	1.01	0.543	6.72
	27.	2.99	R 2.89	4.10	2.04	1.71	0.734	0.423	0.501	0.682	0.786	0.682	0.947	0.501	6.58
	28.	2.69	R 2.69	3.64	1.96	1.63	0.734	0.423	0.423	0.586	0.632	0.632	0.947	0.501	6.29
	29.	2.50	R 2.40	3.42	1.55	1.55	0.786	0.352	0.386	0.586	0.543	0.632	0.890	0.501	5.88
	30.	2.13	R 2.31	3.09	1.48	1.48	0.682	0.352	0.682	0.632	0.501	0.586	0.890	0.501	6.58
	31.		R 2.22	2.79	1.48	1.48		0.352		0.632	0.501		0.838		5.75
Tag	2.+	7.	5.	28.	8.+	30.	29.+	4.+	13.	26.+	2.+	4.	15.+	1.+	
NQ	0.734	1.41	1.87	1.96	1.48	0.682	0.352	0.288	0.423	0.501	0.423	0.501	0.501	0.461	
MQ	3.14	2.57	11.2	3.32	1.85	1.00	0.489	0.570	0.845	0.740	0.903	1.22	0.633	4.67	
HQ	10.2	6.43	55.4	6.29	3.64	1.87	1.41	2.99	7.15	2.04	9.74	5.61	1.63	17.6	
Tag	16.	12.	14.	5.	18.	1.	14.	8.	14.	15.	12.	13.	8.	17.	
h _N mm	37	31	136	36	22	12	6	7	10	9	11	15	7	57	
h _A mm															
	1991/2010		1992/2011 20 Kalenderjahre												
Jahr	1991	1991	1996	2009	1996	2011	2011	2011	2008	1992	2009	2009	1993+	2011	
NQ	0.430	0.470	0.480	0.682	0.740	0.682	0.352	0.288	0.288	0.150	0.288	0.352	0.480	0.461	
MNQ	1.06	1.32	1.66	1.94	2.24	1.56	0.874	0.586	0.537	0.521	0.563	0.732	1.06	1.32	
MQ	2.76	3.75	4.91	4.34	4.92	2.96	1.50	0.994	0.999	0.868	1.22	1.48	2.71	3.82	
MHQ	10.5	15.7	25.2	17.2	16.1	11.1	5.22	3.57	5.14	2.85	6.86	5.15	10.4	15.8	
HQ	60.2	48.0	89.6	61.2	49.0	49.0	27.6	11.0	14.9	6.43	56.4	22.5	60.2	48.0	
Jahr	1998	2002	2003	2005	2006	2006	2004	2006	2007	2010	1998	1998	1998	2002	
Mh _N mm	32	45	60	48	60	35	18	12	12	11	14	18	32	46	
Mh _A mm															
Hauptwerte			Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s				
			Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschnittungs- dauer in Tagen	Abfluss- jahr (*) 2011	Kalender- jahr 2011	1992/2011 20 Kalenderjahre			
	NQ	m ³ /s	0.288	am 04.06.2011	0.682	0.288	0.288	am 04.06.2011	364	50.8	50.8	58.3	25.7	5.80	
	MQ	m ³ /s	2.32		3.88	0.796	2.30		363	36.9	36.9	36.9	21.4	5.66	
	HQ	m ³ /s	55.4	am 14.01.2011	55.4	9.74	55.4	am 14.01.2011	362	29.1	29.1	29.6	18.2	5.66	
	Nq	l/(skm ²)	1.30		3.09	1.30	1.30		361	24.4	24.4	29.4	16.3	5.53	
	Mq	l/(skm ²)	10.5		17.6	3.60	10.4		360	20.3	20.3	26.4	14.6	5.40	
	Hq	l/(skm ²)	251		251	44.1	251		359	19.5	19.5	24.2	13.2	5.40	
	h _N	mm							358	18.0	18.0	24.0	12.1	5.28	
	h _A	mm	332		275	57	328		357	17.1	17.1	21.5	11.6	5.20	
									356	13.1	13.1	20.5	11.2	5.16	
									350	8.64	9.58	14.6	8.80	4.49	
									340	5.35	6.29	10.7	6.90	4.05	
									330	4.46	4.71	8.82	5.75	3.72	
									320	3.75	4.22	7.50	4.96	3.40	
									300	2.99	3.20	5.26	3.90	2.64	
									270	2.22	1.96	3.99	2.82	1.83	
									240	1.71	1.48	3.20	2.13	1.40	
									210	1.48	1.07	2.50	1.71	1.07	
									183	1.07	0.890	1.96	1.41	0.890	
								150	0.890	0.786	1.59	1.13	0.786		
								130	0.786	0.734	1.45	1.01	0.710		
								120	0.734	0.682	1.38	0.950	0.630		
								110	0.734	0.632	1.31	0.910	0.590		
								100	0.682	0.586	1.25	0.880	0.586		
								90	0.632	0.586	1.19	0.830	0.560		
								80	0.586	0.543	1.13	0.786	0.501		
								70	0.543	0.543	1.07	0.730	0.461		
								60	0.543	0.501	1.01	0.680	0.461		
								50	0.501	0.501	1.01	0.630	0.423		
								40	0.501	0.501	0.950	0.586	0.386		
								30	0.461	0.461	0.890	0.530	0.352		
								25	0.461	0.461	0.840	0.501	0.352		
								20	0.423	0.423	0.840	0.480	0.352		
								15	0.423	0.423	0.790	0.461	0.319		
								10	0.386	0.386	0.790	0.423	0.319		
								9	0.386	0.386	0.790	0.410	0.319		
								8	0.386	0.386	0.790	0.400	0.319		
								7	0.352	0.352	0.790	0.386	0.319		
								6	0.352	0.352	0.790	0.386	0.319		
								5	0.352	0.352	0.790	0.360	0.319		
								4	0.352	0.352	0.790	0.352	0.288		
								3	0.352	0.352	0.740	0.352	0.288		
								2	0.352	0.352	0.740	0.350	0.288		
								1	0.288	0.288	0.740	0.319	0.288		
								0	0.288	0.288	0.600	0.150	0.150		
Extremwerte			Niedrigwasser			Hochwasser									
	1	m ³ /s	0.150	0.679	17.08.1992	89.6	406	03.01.2003							
	2		0.288	1.30	04.06.2011	61.2	277	13.02.2005							
	3		0.288	1.30	01.09.2009	60.2	273	01.11.1998							
	4		0.288	1.30	29.07.2008	58.3	264	28.01.2002							
	5		0.300	1.36	30.06.2000	56.4	255	15.09.1998							
	6		0.319	1.44	21.07.2010	55.4	251	14.01.2011							
	7		0.320	1.45	14.08.2003	54.5	247	23.01.1995							
	8		0.330	1.49	30.07.1994	49.0									

A_{Eo} : 1170.00 km²
PNP : NHH+ 281.65 m
Lage : 223.00 km oberhalb der Mündung rechts



m³/s

Pegel : Meiningen
Gewässer : Werra
Gebiet : Werra
Nr. 420020

Main data table with columns for years (2010, 2011) and months (Nov, Dez, Jan, Feb, Mrz, Apr, Mai, Jun, Jul, Aug, Sep, Okt, Nov, Dez). Rows include daily values (Tageswerte), summary statistics (Hauptwerte), and extreme values (Extremwerte).

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
Hochwasserscheitelwerte seit 1980 durch Talsperrenrückhaltung reduziert
154 Tage Verkrautung
3Vorsicht: 1.1% Lücken im Zeitraum 1920/2011
2Ausgefallenes Abflussjahr: 1945

A_{Eo} : 1774.00 km²
 PNP : NN+ 242.66 m
 Lage : 195.00 km oberhalb der Mündung links



m³/s

Pegel : Breitungen Nr. 420070
 Gewässer : Werra
 Gebiet : Werra

	Tag	2010		2011												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	8.10	17.1	R18.1	32.0	19.9	14.3	7.91	5.35	9.70	6.03	6.58	6.20	7.34	4.84	
	2.	7.91	16.3	17.7	30.0	19.1	13.7	7.72	5.18	8.70	5.86	6.20	6.39	6.96	4.84	
	3.	7.72	16.3	17.3	29.5	18.3	13.5	7.72	5.01	9.70	5.69	6.20	6.20	6.96	5.01	
	4.	7.72	15.5	16.9	28.5	17.9	14.5	7.53	4.67	8.90	6.58	6.96	6.39	6.77	6.20	
	5.	7.72	14.9	16.5	31.7	17.5	13.7	7.53	5.52	7.72	6.96	13.7	6.39	6.58	16.5	
	6.	8.90	14.9	16.9	36.5	17.1	12.9	7.34	7.72	7.15	6.39	9.10	6.77	6.58	15.9	
	7.	11.7	14.5	42.7	36.5	16.5	12.5	7.15	9.70	7.15	9.30	8.50	8.30	6.39	12.9	
	8.	12.3	15.1	93.1	34.5	16.1	12.1	7.15	8.70	10.3	8.70	8.70	10.1	6.39	14.5	
	9.	11.1	19.5	125	33.2	15.7	11.9	6.96	7.91	7.72	8.90	9.50	9.70	6.20	14.7	
	10.	10.3	17.7	119	31.5	15.9	11.5	6.77	5.86	6.96	9.90	8.70	11.1	6.03	18.1	
	11.	11.7	19.1	94.0	34.0	15.7	10.9	6.58	5.86	8.10	7.91	8.30	10.5	5.86	16.3	
	12.	16.5	36.5	82.2	37.0	15.7	10.7	6.77	5.52	6.96	7.15	12.9	14.7	5.52	15.7	
	13.	24.2	33.0	119	37.5	15.5	10.5	6.96	5.18	10.3	8.90	11.3	20.3	5.52	17.3	
	14.	27.2	26.0	203	38.0	15.9	10.3	6.77	5.18	13.3	8.90	9.70	16.5	5.52	19.1	
	15.	26.0	23.0	248	36.5	16.3	10.1	6.77	6.39	11.1	10.1	8.70	14.5	5.69	22.5	
	16.	49.8	21.5	203	34.2	17.3	9.70	6.77	5.35	8.90	8.90	8.10	13.5	5.69	31.7	
	17.	45.7	21.5	150	32.7	18.9	9.70	6.96	5.69	8.50	8.10	7.72	12.7	5.86	59.8	
	18.	39.0	20.3	121	30.2	21.5	9.30	6.77	6.96	9.10	7.34	9.70	12.3	6.03	43.3	
	19.	34.7	19.5	106	29.0	20.3	9.10	7.34	6.20	8.50	9.70	9.90	12.7	5.86	35.5	
	20.	30.2	19.5	98.5	27.2	19.3	8.90	7.34	6.03	9.30	10.5	8.70	13.3	5.86	30.0	
	21.	27.0	18.3	87.7	25.5	18.5	8.70	6.96	8.50	8.70	7.91	8.10	12.1	5.52	27.5	
	22.	26.0	18.7	78.7	24.5	17.7	8.50	6.96	9.90	9.10	7.53	7.91	11.3	5.18	26.5	
	23.	27.5	20.8	71.7	23.5	16.9	8.50	6.58	12.5	7.91	7.15	7.34	10.9	5.01	30.5	
	24.	27.2	22.5	67.0	23.2	16.3	8.30	6.03	8.50	7.34	9.10	7.34	10.5	5.01	40.0	
	25.	27.5	22.7	63.5	22.7	15.9	8.10	5.86	7.34	7.34	10.5	6.96	10.1	5.01	51.0	
	26.	25.0	21.7	55.8	21.3	15.7	8.30	5.69	7.34	6.96	7.91	6.77	10.1	5.01	46.9	
	27.	22.7	21.7	49.8	21.0	15.3	8.70	5.69	6.77	6.58	9.50	6.77	9.50	5.01	47.8	
	28.	20.8	20.8	43.9	20.3	15.1	9.30	5.52	6.03	6.58	9.50	6.39	9.10	5.01	48.1	
	29.	19.7	19.7	39.0		14.5	8.90	5.52	6.58	6.03	7.91	6.39	8.70	4.84	46.0	
	30.	18.3		36.2		14.1	8.70	5.35	11.9	6.20	7.53	6.20	8.30	4.84	44.8	
	31.		R18.5	34.0		14.1		5.18		6.39	6.96	8.10		4.84	42.1	
Hauptwerte	Tag	3.+	7.	5.	28.	30.+	25.	31.	4.	29.	3.	2.+	1.+	29.+	1.+	
	NQ	7.72	14.5	16.5	20.3	14.1	8.10	5.18	4.67	6.03	5.69	6.20	6.20	4.84	4.84	
	MQ	21.3	20.2	81.8	30.1	16.9	10.5	6.71	6.98	8.30	8.17	8.31	10.6	5.80	27.6	
	HQ	57.4	40.6	258	38.8	22.0	15.5	11.9	17.3	18.3	14.1	21.7	21.3	7.91	65.5	
	Tag	16.	12.	15.	14.	18.	4.	6.	23.	13.	19.	5.	12.	1.	17.	
	h _N mm	31	30	123	41	26	15	10	10	13	12	12	16	8	42	
	h _A mm															
		1964/2010		1965/2011 47 Kalenderjahre												
	Jahr	1971	1991	1977	1972	1972	1991	1992	1976	1976	1976	1976	1976	1971	1991	
	NQ	1.72	3.16	1.79	3.05	4.50	6.59	4.26	2.13	0.940	2.48	3.20	3.20	1.72	3.16	
	MNQ	9.33	12.9	14.2	16.3	18.0	18.8	11.1	8.53	7.36	6.13	6.28	7.07	9.36	12.8	
	MQ	17.7	28.7	32.2	29.7	35.5	32.2	18.1	13.6	11.4	9.33	9.80	12.1	17.6	28.9	
	MHQ	41.1	74.2	87.7	69.3	74.8	62.9	35.1	31.6	25.1	21.3	23.5	26.4	40.6	75.1	
	HQ	131	232	258	153	227	287	102	114	118	145	125	87.7	131	232	
	Jahr	1998	1974	2011	1995	1981	1994	2004	1966	1966	1981	1998	1998	1998	1974	
Mh _N mm	26	43	49	41	54	47	27	20	17	14	14	18	26	44		
Mh _A mm																
Extremwerte	Niedrigwasser		Hochwasser													
	m ³ /s	0.940	0.530	287	162	287	162	14.04.1994								
	I/(skm ²)	0.970	0.700	258	145	258	145	15.01.2011								
	Datum	03.07.1976	14.11.1971	253	143	253	143	07.01.1982								
	m ³ /s	2.84	1.60	232	131	232	131	09.12.1974								
	I/(skm ²)	3.05	1.72	227	128	227	128	12.03.1981								
	Datum	13.12.1991	05.11.1964	217	122	217	122	24.12.1967								
	m ³ /s	3.16	1.78	187	105	187	105	03.01.1987								
	I/(skm ²)	3.59	2.02	183	103	183	103	04.01.2003								
	Datum	4.00	2.25	178	100	178	100	01.01.1979								
	m ³ /s	4.04	2.28	168	94.7	168	94.7	31.01.1995								
	I/(skm ²)	4.05	2.28													
	Datum	23.09.1997														
	(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. 3 Tage Randeis															

A_{Eo} : 2246.00 km²
PNP : NN+ 222.72 m
Lage : 164.80 km oberhalb der Mündung links



Pegel : Vacha Nr. 420120
Gewässer : Werra
Gebiet : Werra

m³/s

Tag	2010		2011											
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	9.06	20.8	21.5	37.3	22.2	15.6	K 9.69	6.51	13.2	6.51	7.53	6.75	8.43	5.45
2.	8.74	19.4	21.1	34.5	21.1	14.9	K 9.38	6.28	10.9	6.28	7.00	6.75	7.82	5.65
3.	8.43	19.0	20.8	32.9	19.7	14.6	K 9.38	5.85	10.6	6.06	6.75	6.75	7.82	5.85
4.	8.43	18.7	20.1	32.1	19.0	16.0	K 9.38	5.65	10.9	6.75	7.00	6.75	7.82	6.75
5.	8.12	17.6	19.4	36.1	18.7	16.0	K 9.38	6.06	9.38	7.00	19.4	6.75	7.53	17.0
6.	9.38	17.0	20.1	40.8	18.3	14.6	K 9.06	10.9	8.12	7.00	12.2	7.00	7.53	23.6
7.	12.9	16.6	55.8	40.8	17.6	13.9	K 8.74	12.9	7.82	9.06	10.0	9.38	7.26	16.6
8.	13.6	16.6	78.1	39.0	17.0	13.6	K 8.74	10.3	11.2	9.69	10.6	10.6	7.26	17.6
9.	12.6	21.5	91.4	37.3	16.6	12.9	K 8.74	10.3	9.38	9.69	11.2	11.9	7.00	18.7
10.	11.5	21.1	147	35.7	16.6	12.6	K 8.74	7.26	7.82	10.6	10.3	11.9	7.00	22.9
11.	12.9	23.2	137	37.3	16.6	11.9	K 8.74	6.75	8.74	8.74	9.69	12.9	6.75	20.1
12.	17.0	43.9	113	41.2	16.6	12.2	K 9.06	6.28	8.12	7.53	12.9	16.0	6.51	18.0
13.	26.7	43.9	124	43.0	16.6	12.2	K 9.06	6.06	12.9	8.74	14.6	26.7	6.28	19.4
14.	31.8	34.5	200	43.9	17.0	11.9	K 8.74	5.85	15.6	9.69	11.5	21.8	6.51	22.2
15.	30.3	29.9	262	43.0	17.3	11.2	K 8.74	6.75	14.2	10.6	10.0	17.3	6.51	27.1
16.	47.5	27.8	241	40.8	18.3	10.9	K 8.74	6.28	10.6	9.69	9.06	15.6	6.28	30.7
17.	49.8	26.7	202	38.6	20.8	10.9	K 8.74	6.28	9.69	8.74	8.74	14.2	6.28	53.5
18.	46.2	25.3	161	36.1	23.9	10.6	K 8.43	7.26	10.3	7.82	10.3	13.9	6.06	50.3
19.	43.0	24.3	138	33.7	23.9	10.3	K 8.12	7.26	9.69	10.0	11.5	13.6	6.06	44.4
20.	37.8	24.6	121	31.8	22.5	10.3	K 10.0	7.00	11.5	12.6	10.0	15.3	5.85	38.2
21.	33.3	22.9	108	29.2	21.1	10.0	K 8.43	8.74	10.0	8.74	9.06	13.6	6.06	34.5
22.	31.8	22.9	96.8	27.8	19.7	10.0	K 8.74	12.2	10.6	8.12	8.74	12.6	6.06	32.9
23.	35.3	25.7	87.6	26.4	18.7	9.69	K 8.43	16.3	9.06	7.82	8.12	11.9	5.85	37.8
24.	34.9	27.8	81.2	25.7	17.6	9.69	K 7.26	10.0	8.12	8.43	8.12	11.2	5.85	44.8
25.	34.9	28.1	76.6	25.0	17.0	9.69	K 7.00	8.12	8.12	14.2	7.82	10.9	5.65	51.2
26.	31.8	26.7	72.6	23.6	16.6	9.69	K 7.00	7.82	7.53	9.69	7.53	10.6	5.65	51.2
27.	28.8	R26.4	66.9	23.2	16.6	10.6	K 7.00	7.53	7.26	10.3	7.26	10.3	5.65	50.8
28.	26.4	R25.7	60.0	22.9	16.3	11.2	K 7.00	6.51	7.26	12.2	7.00	10.0	5.65	52.1
29.	25.0	R24.3	52.6		15.6	10.6	K 6.75	6.51	6.75	9.38	7.26	9.38	5.65	52.6
30.	22.9	23.2	46.2		15.3	10.6	K 6.51	18.3	6.51	8.43	6.75	9.06	5.65	52.6
31.		22.2	40.8		14.9		K 6.28		6.75	8.12		9.06		51.7
Tag	5.	7.+	5.	28.	31.	23.+	31.	4.	30.	3.	3.+	4.	25.+	1.
NQ	8.12	16.6	19.4	22.9	14.9	9.69	6.28	5.65	6.51	6.06	6.75	6.51	5.65	5.45
MQ	25.0	24.8	96.2	34.3	18.4	12.0	8.39	8.33	9.63	8.97	9.60	11.9	6.54	31.5
HQ	52.6	49.8	271	44.4	25.7	18.0	13.2	21.5	21.1	17.3	27.1	29.5	9.69	54.9
Tag	16.	12.	15.	14.	19.	5.	20.	30.	13.	25.	5.	13.	5.	17.
h _N mm			115	37	22		10	10	11	11	11	14	8	
h _A mm						14								38
	1921/2010		1922/2011 90 Kalenderjahre ²											
Jahr	1959	1959	1954	1929	1929	1960	1960	1960	1922	1959	1959	1959	1959	1959
NQ	3.07	2.21	3.35	3.41	3.87	4.56	3.61	2.52	2.00	2.74	1.90	1.55	3.07	2.21
MNQ	11.5	13.4	16.0	18.6	20.5	20.7	13.0	10.4	8.74	7.83	7.87	8.49	11.5	13.4
MQ	21.1	28.9	33.9	35.0	38.9	34.9	20.1	16.8	14.4	12.0	12.1	15.1	21.1	29.1
MHQ	42.2	64.8	79.7	73.2	77.7	62.6	36.3	34.7	29.1	24.1	23.9	31.4	42.1	65.0
HQ	154	314	271	321	246	284	102	194	161	189	123	153	154	314
Jahr	1998	1967	1926+	1946	1981	1994	1941	1933	1956	1981	1924	1960	1998	1967
Mh _N mm			40	38	46	40	24	19	17	14	14	18	24	35
Mh _A mm	24	34												
	Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s					
	Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschreitungs- dauer in Tagen	Abfluss- jahr (*) 2011	Kalender- jahr 2011	1922/2011 90 Kalenderjahre ²	Obere Hüllkurve	Mittlere Werte	Untere Hüllkurve	
NQ	m ³ /s	5.65	am 04.06.2011	8.12	5.65	5.45	am 01.12.2011	364	262	262	302	151	36.6	
MQ	m ³ /s	22.3		35.3	9.48	21.3		363	241	241	241	136	31.0	
HQ	m ³ /s	271	am 15.01.2011	271	29.5	271	am 15.01.2011	362	202	202	202	121	31.0	
Nq	l/(skm ²)	2.52		3.62	2.52	2.43		361	200	200	200	109	30.9	
Mq	l/(skm ²)	9.92		15.7	4.22	9.50		360	161	161	174	101	28.8	
Hq	l/(skm ²)	121		121	13.1	121		359	147	147	166	95.6	27.7	
h _N	mm							358	138	138	160	90.8	27.7	
h _A	mm	313		246	67	300		357	137	137	153	86.6	26.8	
								356	124	124	150	83.2	25.7	
								350	87.6	87.6	128	70.2	23.6	
								340	47.5	52.6	97.4	58.5	21.4	
								330	40.8	44.4	83.9	50.3	20.5	
								320	36.1	38.6	78.7	44.2	20.0	
								300	28.1	26.7	65.9	35.7	15.3	
								270	22.5	18.7	56.7	28.2	11.8	
								240	17.6	15.6	50.6	22.9	9.32	
								210	14.6	12.2	43.8	19.0	7.58	
								183	12.2	10.6	37.8	16.2	6.00	
								150	10.6	9.69	30.1	13.6	4.56	
								130	9.69	9.06	27.9	12.2	4.00	
								120	9.69	8.74	26.5	11.5	3.86	
								110	9.38	8.74	25.1	10.9	3.73	
								100	9.06	8.12	23.9	10.3	3.61	
								90	8.74	7.82	22.6	9.83	3.32	
								80	8.74	7.53	21.2	9.34	3.07	
								70	8.12	7.26	20.4	8.74	2.96	
								60	7.82	7.00	18.8	8.20	2.74	
								50	7.53	6.75	17.5	7.65	2.52	
								40	7.00	6.51	16.0	7.12	2.41	
								30	6.75	6.28	15.3	6.50	2.31	
								25	6.75	6.28	14.7	6.06	2.21	
								20	6.75	6.06	14.0	5.66	2.12	
								15	6.51	6.06	13.6	5.16	2.12	
								10	6.28	5.85	13.1	4.65	2.03	
								9	6.28	5.85	13.1	4.56	1.96	
								8	6.28	5.65	13.1	4.41	1.96	
								7	6.28	5.65	13.1	4.33	1.96	
								6	6.28	5.65	12.6	4.19	1.96	
								5	6.06	5.65	12.6	4.01	1.90	
								4	6.06	5.65	12.6	3.79	1.90	
								3	6.06	5.65	12.6	3.45	1.90	
								2	5.85	5.65	12.4	3.07	1.80	
								1	5.85	5.65	12.4	2.74	1.80	
								0	5.65	5.45	12.2	1.55	1.55	

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
Ersatz für den Pegel Dorndorf / Werra mit Statistikfortschreibung
3 Tage Randeis, 31 Tage Verkrautung
²Vorsicht: 3.3% Lücken im Zeitraum 1922/2011
³Ausgefallene Abflussjahre: 1931, 1932, 1945

A_{Eo} : 3039.00 km²
 PNP : NN+ 203.39 m
 Lage : 137.80 km



Pegel : Gerstungen Nr. 420170
 Gewässer : Werra
 Gebiet : Werra

Tag	2010		2011											
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	13.7	29.8	29.4	48.4	29.0	19.8	13.1	9.15	20.6	9.40	K10.2	K9.15	K11.3	7.90
2.	13.7	27.8	29.0	44.8	27.8	19.8	14.6	9.40	15.2	9.40	K9.65	K9.15	K10.7	8.40
3.	13.1	26.2	27.8	43.0	26.2	19.2	13.7	8.90	13.1	8.90	K9.15	K8.90	K10.4	8.15
4.	13.1	25.4	27.4	41.6	25.4	20.6	13.7	8.65	14.0	9.15	K9.15	K9.15	K10.4	9.65
5.	12.8	25.0	25.8	47.1	25.0	20.6	13.4	8.90	12.2	10.2	K27.8	K9.15	K10.4	24.2
6.	13.4	23.8	27.4	53.8	24.2	18.8	13.4	13.4	11.0	10.2	K17.6	K9.40	K10.2	29.8
7.	18.4	23.4	116	52.5	23.0	18.0	12.8	18.0	10.4	11.3	K13.7	K11.6	K9.90	21.8
8.	19.2	23.8	156	49.8	22.6	17.6	12.8	14.0	12.5	13.1	K14.6	K13.1	K9.90	23.0
9.	18.0	28.6	150	47.5	22.2	16.4	12.5	12.8	12.8	12.8	K15.5	K14.6	K9.65	25.0
10.	16.8	29.8	170	45.3	22.2	16.8	12.2	11.0	10.2	14.0	K15.5	K14.3	K9.65	30.6
11.	18.4	31.8	178	46.6	22.2	15.8	12.2	9.90	10.7	12.2	K12.8	K15.5	K9.40	25.0
12.	24.2	63.3	146	54.3	22.2	16.8	12.8	9.40	10.4	10.4	K15.5	K18.4	K9.40	22.2
13.	35.8	66.0	156	57.4	21.8	16.4	11.3	8.90	14.0	11.6	K17.2	K39.4	K9.15	23.0
14.	47.5	50.2	258	57.9	22.6	16.1	12.2	8.65	17.6	12.8	K14.6	K29.8	K8.65	27.4
15.	40.8	43.0	288	55.2	23.0	16.4	11.9	9.40	15.2	13.4	K12.8	K23.0	K8.90	37.8
16.	70.9	38.2	288	52.9	23.4	15.8	11.9	9.15	12.8	12.2	K11.9	K19.2	K9.15	40.3
17.	69.6	37.0	248	50.2	25.4	15.5	11.6	9.15	11.9	11.3	K11.3	K16.8	K8.65	70.0
18.	61.5	35.4	195	47.1	28.6	15.5	11.9	9.40	12.8	10.2	K11.3	K16.4	K8.65	60.6
19.	55.6	33.4	168	43.9	29.4	15.2	11.6	9.90	12.2	11.3	K13.7	K16.1	K8.90	52.9
20.	50.2	33.4	145	41.2	27.8	15.8	13.7	9.15	15.2	16.4	K12.5	K18.0	K8.40	44.8
21.	44.4	32.6	128	37.8	26.2	15.5	11.6	10.7	14.9	11.6	K11.6	K16.4	K8.65	40.3
22.	41.6	31.0	115	35.4	25.0	15.5	11.9	14.0	14.0	10.7	K11.0	K15.2	K8.40	39.4
23.	48.0	35.4	103	34.2	23.4	15.5	11.6	19.5	12.8	9.90	K11.0	K14.6	K8.40	48.9
24.	49.3	39.4	95.2	33.4	22.2	15.2	10.7	13.1	11.0	10.7	K10.2	K14.3	K7.65	59.2
25.	49.8	39.0	90.3	32.6	21.8	15.2	9.90	11.3	11.0	17.2	K10.2	K13.7	K7.15	65.1
26.	45.7	36.6	86.2	30.2	21.8	14.6	10.2	10.4	10.7	12.2	K9.90	K13.4	K7.90	61.9
27.	40.8	35.4	80.4	31.8	21.0	16.1	10.2	10.4	10.2	12.8	K9.65	K13.1	K8.40	61.0
28.	37.0	34.2	73.2	30.6	20.6	17.6	9.90	9.40	10.2	15.5	K9.40	K12.5	K7.65	60.6
29.	34.6	32.6	65.5	20.2	16.1	10.4	10.4	9.15	9.65	12.2	K9.40	K12.2	K7.65	59.7
30.	32.2	31.4	57.4	19.8	15.5	8.90	8.90	33.0	9.15	11.0	K9.40	K11.9	K8.15	61.5
31.		29.8	53.4	19.8	19.8	9.15	9.15		9.65	10.4		K11.6		61.0

Tag	5.	7.	5.	26.	30.+	26.	30.	4.+	30.	3.	3.+	3.	25.	1.	
NQ	12.8	23.4	25.8	30.2	19.8	14.6	8.90	8.65	9.15	8.90	9.15	8.90	7.15	7.90	
MQ	35.0	34.6	122	44.5	23.7	16.8	11.9	11.6	12.5	11.8	12.6	15.2	9.06	39.1	
HQ	80.8	76.3	298	60.6	30.6	25.0	19.8	49.8	28.6	21.8	46.6	47.1	15.5	76.3	
Tag	16.	12.	15.	13.	19.	2.	1.	30.	1.	20.	5.	13.	14.	17.	
h _N mm	30	30	107	35	21	14	10	10	11	10	11	13	8	34	
h _A mm															
		1931/2010		1932/2011 80 Kalenderjahre ²											
Jahr	1947	1947	1947	1963	1963	1933	1934	1934	1934	1934	1947	1947	1947	1947	
NQ	1.78	4.62	5.14	4.79	4.99	9.80	5.00	3.70	2.10	3.40	2.04	3.05	1.78	4.62	
MNQ	14.7	17.8	20.9	24.5	26.5	26.8	17.0	14.1	12.0	10.3	10.0	10.8	14.6	17.7	
MQ	27.0	38.6	45.0	45.8	51.9	45.0	26.3	22.5	19.1	15.5	14.9	18.8	26.9	38.8	
MHQ	62.0	89.5	109	96.2	110	85.2	53.6	52.5	43.7	34.6	32.6	43.6	61.9	90.0	
HQ	254	342	312	300	400	268	184	342	237	222	154	205	254	342	
Jahr	1940	1939	1982	1946	1942	1994	1941+	1941	1956	1981	2007	1960	1940	1939	
M _N mm	23	34	40	37	46	38	23	19	17	14	13	17	23	34	
M _A mm															

Hauptwerte	Abflussjahr (*) 2011				Kalenderjahr 2011		Unter- schreitungs- dauer in Tagen	Unterschrittene Abflüsse m ³ /s					
	Jahr	Datum	Winter	Sommer	Jahr	Datum		Abfluss- jahr (*) 2011	Kalender- jahr 2011	1932/2011 80 Kalenderjahre ²			
NQ	m ³ /s	8.65	am 04.06.2011	12.8	8.65	7.15	am 25.11.2011	364	288	288	371	208	52.0
MQ	m ³ /s	29.3		46.3	12.6	27.6		363	288	288	312	178	52.0
HQ	m ³ /s	298	am 15.01.2011	298	49.8	298	am 15.01.2011	362	258	258	312	156	47.3
Nq	l/(skm ²)	2.85		4.21	2.85	2.35		361	248	248	290	142	41.6
Mq	l/(skm ²)	9.65		15.2	4.14	9.07		360	195	195	290	133	40.4
Hq	l/(skm ²)	98.1		98.1	16.4	98.1		359	178	178	290	125	38.5
h _N	mm							358	170	170	280	119	36.5
h _A	mm	304		238	66	286		357	168	168	265	114	36.1
		1932/2011 (*) 80 Jahre ²		1932/2011				356	156	156	260	110	35.7
NQ	m ³ /s	1.78	am 20.11.1947	1.78	2.04	1.78	am 20.11.1947	350	116	116	215	93.3	30.5
MNQ	m ³ /s	7.77		11.7	8.42	8.12		340	66.0	65.1	132	76.9	27.4
MQ	m ³ /s	30.8		42.3	19.5	30.8		330	53.8	57.4	119	66.3	25.8
MHQ	m ³ /s	186		177	85.3	184		320	48.4	49.8	110	58.3	25.1
HQ	m ³ /s	400	am 19.03.1942	400	342	400	am 19.03.1942	300	39.4	35.4	89.5	46.9	22.2
HQ ₁	m ³ /s							270	29.8	25.0	72.1	36.4	16.5
HQ ₅	m ³ /s							240	23.4	19.8	63.8	29.2	14.5
MNq	l/(skm ²)	2.56		3.84	2.77	2.67		210	18.8	15.8	56.0	24.2	12.2
Mq	l/(skm ²)	10.1		13.9	6.42	10.1		183	16.1	14.6	48.4	20.7	10.1
MHq	l/(skm ²)	61.1		58.3	28.1	60.6		150	14.0	12.8	38.3	17.2	7.80
M _N	mm							130	13.1	11.9	35.0	15.5	6.30
M _A	mm							120	12.8	11.6	33.5	14.8	5.75
		Niedrigwasser		Hochwasser				110	12.5	11.3	32.5	14.0	5.50
1	m ³ /s	1.78	0.586	20.11.1947	400	132	19.03.1942	100	12.2	11.0	31.0	13.4	5.40
2	m ³ /s	2.10	0.691	13.07.1934	342	113	02.06.1941	90	11.9	10.4	29.1	12.7	4.85
3	m ³ /s	3.22	1.06	26.07.1964	342	113	02.12.1939	80	11.3	10.2	27.6	12.0	4.70
4	m ³ /s	3.70	1.22	28.08.1976	338	111	12.03.1981	70	11.0	9.90	26.5	11.4	4.60
5	m ³ /s	4.19	1.38	16.10.1959	315	104	25.03.1947	60	10.4	9.65	24.6	10.2	4.50
6	m ³ /s	4.60	1.51	11.08.1935	312	103	08.01.1982	50	10.2	9.40	23.2	10.2	4.40
7	m ³ /s	4.79	1.58	26.02.1963	308	101	03.01.2003	40	9.90	9.15	21.6	9.50	4.30
8	m ³ /s	4.79	1.58	27.07.1949	300	98.7	28.12.1947	30	9.40	9.15	20.3	8.76	4.10
9	m ³ /s	4.79	1.58	06.08.1946	300	98.7	09.02.1946	25	9.40	8.90	19.7	8.30	4.00
10	m ³ /s	4.94	1.63	18.09.1997	298	98.1	15.01.2011	20	9.15	8.90	19.1	7.90	3.80
								15	9.15	8.65	18.8	7.24	3.70
								10	9.15	8.40	18.2	6.50	3.50
								9	9.15	8.40	18.2	6.36	3.50
								8	9.15	8.40	18.2	6.22	3.35
								7	8.90	8.15	17.9	6.06	3.35

A_{Eo} : 4214.40 km²
 PNP : NN+ 178.06 m
 Lage : 90.50 km oberhalb der Mündung rechts



m³/s

Pegel : Frankenroda Nr. 420190
 Gewässer : Werra
 Gebiet : Werra

	Tag	2010		2011														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
Tageswerte	1.	20.0	40.8	36.8	63.7	36.8	26.6	26.6	K21.2	K13.8	31.2	14.7	15.2	13.4	15.2	12.6		
	2.	20.0	38.4	36.8	58.4	35.2	26.6	26.6	K20.6	K14.2	23.1	14.7	14.7	13.0	14.2	11.8		
	3.	19.4	36.0	35.2	56.7	33.6	25.9	25.9	K21.2	K13.8	20.6	14.7	13.8	13.4	14.2	13.0		
	4.	19.4	34.4	34.4	53.3	32.0	26.6	26.6	K20.6	K13.4	21.2	14.7	13.8	13.4	14.2	13.0		
	5.	19.4	34.4	32.8	56.7	32.0	28.8	28.8	K20.6	K13.8	18.2	15.8	32.0	13.4	14.2	21.8		
	6.	19.4	32.8	32.8	65.5	31.2	26.6	26.6	K20.6	K17.0	17.0	15.8	28.8	13.4	14.2	35.2		
	7.	24.5	32.8	128	66.4	31.2	25.9	25.9	K20.0	K24.5	15.8	16.4	20.0	15.2	13.8	28.8		
	8.	28.0	32.0	249	64.6	30.4	25.2	25.2	K20.0	K22.4	17.0	19.4	20.6	17.0	13.8	27.3		
	9.	26.6	33.6	284	61.0	29.6	24.5	24.5	K18.8	20.0	18.2	20.0	20.6	18.8	14.2	28.8		
	10.	25.2	37.6	253	58.4	29.6	23.8	23.8	K17.6	15.8	14.7	19.4	21.8	18.8	13.8	36.0		
	11.	23.8	40.0	232	57.6	28.8	24.5	24.5	K16.4	15.2	14.7	18.8	20.0	20.0	13.4	31.2		
	12.	29.6	88.9	225	65.5	30.4	23.8	23.8	K16.4	15.2	14.7	16.4	21.8	21.2	13.4	27.3		
	13.	41.6	104	220	70.0	29.6	25.2	25.2	K15.8	14.2	17.0	15.8	23.1	38.4	13.4	26.6		
	14.	61.9	76.3	264	75.4	29.6	24.5	24.5	K15.2	14.2	24.5	19.4	20.6	35.2	12.6	29.6		
	15.	55.0	61.9	328	72.7	29.6	24.5	24.5	K15.2	14.7	21.8	19.4	19.4	28.0	13.0	42.4		
	16.	88.0	54.2	351	69.1	29.6	23.8	23.8	K15.2	15.2	18.2	18.8	17.6	23.1	13.0	46.5		
	17.	108	50.8	333	65.5	31.2	23.8	23.8	K15.2	14.2	16.4	17.0	15.8	21.8	13.0	81.7		
	18.	88.9	48.2	297	61.9	36.0	23.8	23.8	K14.7	14.7	17.0	16.4	15.8	20.6	12.6	73.6		
	19.	79.0	44.8	258	57.6	36.8	23.1	23.1	K14.7	15.2	17.6	16.4	17.0	19.4	12.6	62.8		
	20.	69.1	44.0	217	54.2	36.0	23.1	23.1	K17.0	14.2	17.6	21.8	18.2	21.2	12.6	54.2		
	21.	61.0	44.0	178	50.8	34.4	23.1	23.1	K15.8	14.7	21.8	19.4	17.0	21.2	12.6	48.2		
	22.	56.7	41.6	156	45.7	33.6	22.4	22.4	K15.2	20.0	18.8	17.0	15.8	19.4	12.6	46.5		
	23.	69.1	43.2	140	44.0	31.2	22.4	22.4	K16.4	23.8	17.6	16.4	14.7	18.8	12.6	51.6		
	24.	82.6	49.1	128	42.4	30.4	22.4	22.4	K15.2	20.6	15.8	15.8	14.7	18.2	12.6	65.5		
	25.	79.0	49.1	119	41.6	29.6	21.8	21.8	K14.2	17.0	15.2	22.4	14.2	18.2	11.0	75.4		
	26.	70.0	45.7	114	40.0	28.8	21.8	21.8	K14.2	15.2	15.2	20.6	14.2	17.6	12.6	71.8		
	27.	61.9	44.8	106	39.2	28.0	23.1	23.1	K14.2	15.2	15.2	18.8	14.2	17.0	11.4	69.1		
	28.	55.0	43.2	96.1	39.2	27.3	23.8	23.8	K13.8	14.7	15.2	20.6	13.8	17.0	12.6	67.3		
	29.	49.9	40.8	86.2	39.2	27.3	25.2	25.2	K14.2	13.8	14.7	18.8	13.8	16.4	11.8	66.4		
	30.	45.7	39.8	75.4	39.8	26.6	23.1	23.1	K13.8	34.4	14.2	16.4	13.8	15.8	11.8	70.0		
	31.		37.6	69.1	37.6	26.6	23.1	23.1	K13.4		14.7	15.2	13.8	16.4		70.9		
Hauptwerte	Tag	3.+	8.	5.+	27.+	30.+	25.+	31.	4.	30.	1.+	3.+	2.	25.	11.8			
	NQ	19.4	32.0	32.8	39.2	26.6	21.8	13.4	13.4	14.2	14.7	13.8	13.0	11.0	2.2			
	MQ	49.9	46.6	165	57.0	31.1	24.3	16.7	16.8	17.9	17.7	17.9	19.2	13.1	45.4			
	HQ	116	117	358	76.3	38.4	29.6	23.1	53.3	38.4	28.0	49.1	46.5	18.2	90.7			
	Tag	16.	12.	16.	13.	1.	5.	1.	30.	1.	25.	5.	13.	1.	17.			
	h _N mm	31	30	105	33	20	15	11	10	11	11	11	11	12	8	29		
	h _A mm																	
	1935/2010		1936/2011 76 Kalenderjahre ²															
	Jahr	1964	1953	1963	1954	1963	1959	1953	1976	1976	1964	1947	1959	1964	1953			
	NQ	6.52	7.90	7.64	7.46	7.94	13.7	12.2	8.60	5.92	5.21	5.00	4.61	6.52	7.90			
MNQ	19.7	24.7	27.8	31.9	34.7	36.1	23.8	20.3	17.8	15.3	14.6	15.4	19.7	24.7				
MQ	34.7	49.6	57.5	59.1	65.4	58.5	36.1	31.4	26.6	22.2	20.8	24.9	34.6	49.9				
MHQ	72.3	110	133	121	130	107	69.7	63.3	52.4	44.8	39.9	50.1	71.8	111				
HQ	297	432	358	450	363	372	224	271	370	355	242	176	297	432				
Jahr	1940	1947	2011	1946	1942	1994	2004	1961	1956	1981	2007	1960	1940	1947				
Mh _N mm	21	32	37	34	42	36	23	19	17	14	13	16	21	32				
Mh _A mm																		
Hauptwerte	Abflussjahr (*) 2011		Kalenderjahr 2011				Unterschreitungs- dauer in Tagen		Unterschrittene Abflüsse m ³ /s									
	Jahr		Datum		Winter		Sommer		Jahr		Datum		Abfluss- jahr (*) 2011		Kalender- jahr 2011		1936/2011 76 Kalenderjahre ²	
													Obere Hüllkurve		Mittlere Werte		Untere Hüllkurve	
	NQ	m ³ /s	13.0	am 02.10.2011	19.4	13.0	11.0	am 25.11.2011	364	351	351	366	234	63.2				
	MQ	m ³ /s	40.0	am 16.01.2011	62.7	17.7	36.9	am 16.01.2011	363	333	333	338	209	63.2				
	HQ	m ³ /s	358	am 16.01.2011	358	53.3	358	am 16.01.2011	362	328	328	328	193	60.6				
	Nq	l/(skm ²)	3.08		4.60	3.08	2.61		361	297	297	310	181	53.1				
	Mq	l/(skm ²)	9.49		14.9	4.20	8.75		360	284	284	284	172	50.6				
	Hq	l/(skm ²)	84.9		84.9	12.6	84.9		359	264	264	264	163	49.8				
	h _N	mm							358	258	258	258	156	49.8				
h _A	mm	299		233	67	276		357	253	253	258	149	48.0					
1936/2011 (*) 76 Jahre ²		1936/2011				Dauertabelle												
NQ	m ³ /s	4.61	am 11.10.1959	6.52	4.61	4.61	am 11.10.1959	356	249	249	250	142	47.1					
MNQ	m ³ /s	11.2		16.4	12.2	11.7		355	249	249	250	142	47.1					
MQ	m ³ /s	40.5		54.2	27.0	40.5		350	156	156	195	120	39.8					
MHQ	m ³ /s	219	am 09.02.1946	208	108	216	am 09.02.1946	340	88.9	75.4	176	98.2	36.6					
HQ	m ³ /s	450	am 09.02.1946	450	370	450	am 09.02.1946	330	72.7	69.1	147	85.2	35.0					
HQ ₁	m ³ /s							320	65.5	63.7	134	74.4	30.3					
HQ ₅	m ³ /s							300	53.3	42.4	116	59.6	24.6					
MNq	l/(skm ²)	2.65		3.90	2.90	2.77		270	37.6	31.2	94.2	46.8	21.2					
Mq	l/(skm ²)	9.60		12.9	6.41	9.61		240	31.2	26.6	82.0	38.6	19.8					
MHq	l/(skm ²)	52.0		49.4	25.7	51.3		210	25.9	22.4	70.5	32.8	17.1					
Mh _N	mm							183	23.1	20.6	60.1	28.5	15.2					
Mh _A	mm	303		201	102	303		150	20.0	18.2	51.6	24.3	10.8					
Niedrigwasser		Hochwasser				Dauertabelle												
1	m ³ /s	4.61	1.09	11.10.1959	450	107	09.02.1946	110	17.0	15.8	44.6	21.0	8.94					
2	l/(skm ²)	4.80	1.14	23.10.1947	432	103	29.12.1947	90	16.4	15.2	41.4	19.0	8.60					
3	l/(skm ²)	5.21	1.24	29.08.1964	372	88.3	16.04.1994	80	15.8	14.7	39.1	17.3	8.28					
4	l/(skm ²)	5.40	1.28	11.09.1949	370	87.8	16.07.1956	70	15.2	14.7	37.4	16.4	7.90					
5	l/(skm ²)	5.92	1.40	10.07.1976	363	86.1	19.03.1942	60	15.2	14.2	36.6	15.6	7.38					
6	l/(skm ²)	6.60	1.57	22.09.1991	358	84.9	16.01.2011	50	15.2	14.2	34.2	14.7	7.10					
7	l/(skm ²)	6.60	1.57	07.10.1973	357	84.7	13.03.1981	40	14.7	13.8	32.1	13.8	6.69					
8	l/(skm ²)	7.02	1.67	28.08.1952	355	84.2	11.08.1981	30	14.2	13.4	29.8	12.2	6.46					
9	l/(skm ²)	7.38	1.75	22.09.1944	353	83.8	03.12.1939	25	14.2	13.4	29.1	11.4	6.20					
10	l/(skm ²)	7.46	1.77	23.02.1954	348	82.6	04.01.2003	20	14.2	13.4	27.9	10.4	6.00					
Extremwerte		Niedrigwasser				Hochwasser												
1	m ³ /s	4.61	1.09	11.10.1959	450	107	09.02.1946	15	13.8	12.6	27.3	10.4	6.00					
2	l/(skm ²)	4.80	1.14	23.10.1947	432	103	29.12.1947	10	13.8	12.6	26.7	9.32	5.80					
3	l/(skm ²)	5.21	1.24	29.08.1964	372	88.3	16.04.1994	9	13.8	12.6	26.1	9.08	5.80					
4	l/(skm ²)	5.40	1.28	11.09.1949	370	87.8	16.07.1956	8	13.4	12.6	25.4	8.90	5.80					
5	l/(skm ²)	5.92	1.40	10.07.1976	363	86.1	19.03.1942	7	13.4	12.6	25.4	8.56	5.80					
6	l/(skm ²)	6.60	1.57	22.09.1991	358	84.9	16.01.2011	6	13.4	12.6	24.8	8.19						

A_{Eo} : 256.00 km²
 PNP : NN+ 355.16 m
 Lage : 9.00 km oberhalb der Mündung rechts



m³/s

Pegel : Rappelsdorf Nr. 421510
 Gewässer : Schleuse
 Gebiet : Werra

Tag	2010		2011												
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
1.	2.07	3.50	3.81	5.12	3.35	2.74	1.31	1.09	1.39	1.09	1.23	1.96	1.96	1.09	
2.	2.07	3.35	3.66	4.79	3.04	2.59	1.31	1.02	1.23	1.09	1.23	1.96	1.85	1.09	
3.	2.07	3.35	3.66	4.62	2.74	2.59	1.31	1.02	1.39	1.16	1.23	1.96	1.85	1.16	
4.	2.07	3.19	3.66	4.46	2.59	2.74	1.31	0.956	1.23	1.39	1.16	2.19	1.85	1.96	
5.	2.07	3.04	3.50	5.29	2.59	2.59	1.31	0.956	1.16	1.31	1.47	2.19	1.75	4.79	
6.	2.32	2.89	3.81	5.81	2.45	2.45	1.23	1.31	1.16	1.23	1.23	2.45	1.75	3.66	
7.	3.19	2.74	8.58	6.16	2.32	2.32	1.23	1.09	1.31	1.47	1.39	2.89	1.75	3.66	
8.	3.19	3.19	15.4	6.33	2.19	2.19	1.16	1.47	1.39	1.56	1.56	3.19	1.75	3.81	
9.	2.74	3.66	20.2	6.33	2.07	2.19	1.16	1.09	1.23	1.85	1.65	2.89	1.75	4.79	
10.	2.59	3.50	20.8	6.16	2.19	2.07	1.16	1.02	1.23	1.85	1.47	3.35	1.75	4.79	
11.	3.04	3.97	20.5	6.87	2.32	2.07	1.16	0.956	1.39	1.65	1.75	3.35	1.56	4.62	
12.	4.62	5.12	20.2	7.43	2.32	1.96	1.16	0.956	1.23	1.56	2.59	4.62	1.56	5.29	
13.	6.51	4.95	27.2	7.62	2.32	1.96	1.09	0.956	1.31	1.75	2.45	5.12	1.56	5.46	
14.	7.81	4.62	36.5	7.81	2.59	1.85	1.16	1.02	1.96	1.85	2.07	4.62	1.56	5.63	
15.	8.77	4.29	40.9	7.81	3.19	1.85	1.16	1.09	1.56	1.96	1.75	4.46	1.47	5.98	
16.	11.3	4.46	33.0	7.43	4.13	1.85	1.16	0.956	1.47	1.96	1.65	4.13	1.47	9.37	
17.	11.6	4.46	25.6	6.87	4.79	1.75	1.16	0.956	1.47	1.65	1.85	3.97	1.47	12.5	
18.	10.9	4.29	25.0	6.16	5.29	1.75	1.09	1.16	1.47	1.56	2.32	3.97	1.39	11.6	
19.	9.79	4.13	24.1	5.81	4.95	1.75	1.09	0.956	1.31	2.19	2.45	4.13	1.39	9.58	
20.	8.19	4.13	24.7	5.29	4.62	1.56	1.09	1.09	1.47	1.85	2.32	3.97	1.39	8.19	
21.	7.24	3.66	22.3	5.12	4.29	1.56	1.09	1.75	1.39	1.65	2.32	3.81	1.31	7.24	
22.	6.69	3.66	20.5	5.29	3.97	1.56	1.09	1.85	1.39	1.65	2.07	3.66	1.23	6.69	
23.	6.51	3.97	19.1	5.12	3.66	1.47	1.02	1.56	1.31	1.56	1.96	3.66	1.16	6.87	
24.	6.33	4.13	18.0	5.12	3.35	1.47	1.02	1.23	1.23	1.65	1.85	3.50	1.16	9.79	
25.	5.81	4.46	15.6	4.46	3.35	1.47	1.02	1.16	1.31	1.47	1.85	3.35	1.09	11.3	
26.	5.12	4.62	11.6	3.66	3.19	1.47	1.02	1.09	1.23	1.47	1.85	3.19	1.09	12.5	
27.	4.62	4.62	9.79	3.50	3.19	1.39	1.02	1.09	1.09	1.65	1.75	2.89	1.09	13.5	
28.	4.46	4.46	7.43	3.50	3.04	1.47	1.02	1.02	1.09	1.47	1.75	2.74	1.09	14.2	
29.	3.97	4.29	6.33	3.04	2.89	1.47	1.02	1.23	1.09	1.47	1.75	2.59	1.09	13.2	
30.	3.66	4.13	5.98	2.74	2.74	1.31	1.02	1.85	1.09	1.31	1.85	2.59	1.09	13.0	
31.		3.97	5.46	2.74	2.74		0.956		1.09	1.23		2.19		10.9	
Tag	1.+	7.	5.	27.+	9.	30.	31.	4.+	27.+	1.+	4.	1.+	25.+	1.+	
NQ	2.07	2.74	3.50	3.50	2.07	1.31	0.956	0.956	1.09	1.09	1.16	1.96	1.09	1.09	
MQ	5.38	3.96	16.4	5.71	3.18	1.92	1.13	1.16	1.31	1.57	1.79	3.28	1.47	7.36	
HQ	12.0	5.46	43.1	8.00	5.81	3.04	4.	6.69	2.59	4.79	4.13	5.81	2.19	14.4	
Tag	16.	12.	15.	14.	17.		3.	6.	14.	19.	11.	12.	2.	28.	
h _N mm	54	41	171	54	33	19	12	12	14	16	18	34	15	77	
h _A mm															
	1950/2010		1951/2011 61 Kalenderjahre												
Jahr	1971	1962	1963	1963	1972	1960	1974+	2000	1976	1976	1973	1973	1971	1962	
NQ	0.300	0.170	0.550	0.550	0.540	1.05	0.880	0.530	0.200	0.170	0.230	0.290	0.300	0.170	
MNQ	2.13	2.67	2.79	2.90	2.99	3.34	1.80	1.37	1.29	1.09	1.24	1.65	2.11	2.66	
MQ	4.53	6.63	6.79	6.02	7.36	6.96	3.35	2.51	2.37	1.81	2.29	3.25	4.36	6.64	
MHQ	10.6	18.2	18.7	14.0	19.4	16.3	7.02	7.15	7.01	4.82	6.32	7.81	10.1	18.1	
HQ	35.5	58.0	65.9	50.2	80.6	82.4	21.1	35.6	33.6	19.9	49.0	31.6	35.5	58.0	
Jahr	1998	1978	1987	1967	1981	1970	1965	1966	2007	1981	1998	1960	1998	1978	
Mh _N mm	46	69	71	57	77	70	35	25	25	19	23	34	44	69	
Mh _A mm															
	Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s						
	Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschnittungs- dauer in Tagen		Abfluss- jahr (*) 2011	Kalender- jahr 2011	1951/2011 61 Kalenderjahre				
											Oberer Hüllkurve	Mittlere Werte	Untere Hüllkurve		
NQ	m ³ /s	0.956 am 31.05.2011	1.31	0.956	0.956 am 31.05.2011	364	40.9	40.9	79.2	33.6	33.6	11.4			
MQ	m ³ /s	3.89	6.12	1.71	3.86	363	36.5	36.5	73.6	28.8	28.8	10.7			
HQ	m ³ /s	43.1 am 15.01.2011	43.1	6.69	43.1 am 15.01.2011	362	33.0	33.0	68.8	26.0	26.0	9.62			
Nq	l/(skm ²)	3.73	5.12	3.73	3.73	361	27.2	27.2	64.0	24.1	24.1	9.42			
Mq	l/(skm ²)	15.2	23.9	6.68	15.1	360	25.6	25.6	55.0	21.9	21.9	7.62			
Hq	l/(skm ²)	168	168	26.1	168	359	25.0	25.0	55.0	20.6	20.6	7.06			
h _N	mm					358	24.7	24.7	49.4	19.7	19.7	7.06			
h _A	mm	480	374	106	476	357	24.1	24.1	44.7	19.0	19.0	7.06			
						356	22.3	22.3	39.5	18.2	18.2	7.06			
						350	19.1	19.1	24.8	14.9	14.9	5.62			
						340	8.77	11.6	19.9	12.3	12.3	5.13			
						330	7.24	7.81	18.1	10.3	10.3	4.97			
						320	6.16	6.69	16.3	8.84	8.84	4.35			
						300	4.95	5.12	12.4	6.88	6.88	3.21			
						270	4.13	3.66	8.42	5.13	5.13	2.37			
						240	3.35	2.74	6.33	4.04	4.04	1.91			
						210	2.74	2.19	5.51	3.26	3.26	1.57			
						183	2.19	1.85	4.93	2.74	2.74	1.23			
						150	1.85	1.65	4.05	2.25	2.25	1.03			
						130	1.65	1.47	3.72	2.00	2.00	0.840			
						120	1.56	1.47	3.56	1.88	1.88	0.840			
						110	1.47	1.39	3.42	1.76	1.76	0.750			
						100	1.47	1.31	3.33	1.65	1.65	0.750			
						90	1.39	1.31	3.19	1.56	1.56	0.680			
						80	1.31	1.23	3.19	1.47	1.47	0.680			
						70	1.23	1.23	3.05	1.38	1.38	0.580			
						60	1.23	1.16	3.03	1.27	1.27	0.580			
						50	1.16	1.16	2.90	1.18	1.18	0.420			
						40	1.09	1.09	2.66	1.07	1.07	0.420			
						30	1.09	1.09	2.40	0.950	0.950	0.360			
						25	1.09	1.09	2.40	0.900	0.900	0.360			
						20	1.02	1.02	2.40	0.830	0.830	0.300			
						15	1.02	1.02	2.28	0.750	0.750	0.300			
						10	1.02	1.02	2.28	0.650	0.650	0.300			
						9	1.02	1.02	2.28	0.640	0.640	0.300			
						8	0.956	0.956	2.16	0.610	0.610	0.300			
						7	0.956	0.956	2.16	0.600	0.600	0.300			
						6	0.956	0.956	2.16	0.580	0.580	0.300			
						5	0.956	0.956	2.16	0.560	0.560	0.300			
						4	0.956	0.956	2.05	0.540	0.540	0.200			
						3	0.956	0.956	2.05	0.500	0.500	0.200			
						2	0.956	0.956	2.05	0.450	0.450	0.200			
						1	0.956	0.956	1.94	0.380	0.380	0.180			
						0	0.956	0.956							

A_{Eo} : 35.30 km²

PNP : NHN+ 408.00 m

Lage : 5.00 km oberhalb der Mündung rechts



m³/s

Pegel : Hinternah

Nr. 421600

Gewässer : Nahe

Gebiet : Werra

Tag	2010		2011														
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
1.	0.240	0.600	0.550	0.650	0.400	0.730	0.240	0.136	0.360	0.184	0.240	0.280	0.320	0.200			
2.	0.240	R 0.550	0.550	0.650	0.400	0.650	0.200	0.136	0.320	0.184	0.240	0.240	0.320	0.240			
3.	0.240	0.550	0.550	0.600	0.400	0.650	0.200	0.136	0.360	0.184	0.240	0.240	0.320	0.280			
4.	0.280	0.500	0.500	0.600	0.400	0.730	0.200	0.136	0.320	0.280	0.240	0.240	0.320	0.550			
5.	0.280	0.500	0.500	0.890	0.400	0.650	0.200	0.136	0.280	0.200	0.320	0.240	0.320	0.970			
6.	0.400	0.500	0.550	1.05	0.400	0.600	0.200	0.152	0.280	0.200	0.280	0.240	0.280	0.650			
7.	0.500	0.450	1.71	1.13	0.400	0.600	0.184	0.152	0.240	0.280	0.320	0.320	0.280	0.650			
8.	0.450	0.550	3.45	1.13	0.360	0.550	0.184	0.200	0.280	0.280	0.400	0.360	0.280	0.730			
9.	0.450	0.500	5.10	1.13	0.320	0.550	0.168	0.168	0.240	0.320	0.400	0.320	0.280	1.22			
10.	0.400	0.450	4.70	1.05	0.360	0.500	0.168	0.168	0.240	0.320	0.360	0.360	0.280	1.22			
11.	0.550	0.550	3.62	1.31	0.400	0.500	0.168	0.168	0.280	0.280	0.450	0.450	0.280	1.22			
12.	0.970	0.650	2.94	1.40	0.400	0.450	0.168	0.152	0.200	0.280	0.450	0.890	0.280	1.22			
13.	1.71	0.600	5.30	1.40	0.400	0.450	0.168	0.136	0.200	0.320	0.400	0.890	0.280	1.22			
14.	1.93	0.600	14.0	1.40	0.500	0.450	0.168	0.152	0.360	0.360	0.360	0.810	0.240	1.40			
15.	2.16	0.600	13.3	1.22	0.650	0.450	0.168	0.168	0.240	0.360	0.320	0.730	0.240	1.40			
16.	2.65	0.600	9.10	1.13	1.05	0.400	0.168	0.152	0.240	0.320	0.320	0.650	0.240	2.16			
17.	2.65	0.600	6.10	1.05	1.31	0.400	0.168	0.184	0.240	0.280	0.360	0.600	0.240	2.78			
18.	2.52	0.600	4.50	0.970	1.40	0.360	0.152	0.200	0.240	0.280	0.500	0.550	0.240	2.52			
19.	2.16	0.600	3.79	0.890	1.31	0.320	0.152	0.200	0.240	0.600	0.400	0.650	0.240	2.16			
20.	1.82	0.550	2.94	0.730	1.22	0.320	0.152	0.240	0.240	0.450	0.360	0.600	0.240	1.82			
21.	1.60	0.500	2.40	0.600	1.05	0.320	0.168	0.450	0.240	0.400	0.360	0.550	0.200	1.50			
22.	1.50	0.550	2.04	0.550	1.05	0.320	0.152	0.400	0.240	0.400	0.320	0.500	0.200	1.31			
23.	1.31	0.550	1.71	0.550	0.970	0.320	0.152	0.360	0.200	0.360	0.320	0.500	0.200	1.40			
24.	1.22	0.600	1.50	0.550	0.890	0.280	0.152	0.280	0.200	0.360	0.320	0.500	0.200	2.28			
25.	1.05	0.650	1.40	0.550	0.890	0.280	0.152	0.240	0.200	0.360	0.320	0.500	0.200	2.52			
26.	0.970	R 0.600	1.22	0.500	0.890	0.280	0.136	0.240	0.200	0.360	0.280	0.450	0.200	2.94			
27.	0.810	0.650	1.13	0.450	0.810	0.280	0.136	0.240	0.200	0.400	0.280	0.400	0.200	3.45			
28.	0.810	0.650	0.970	0.450	0.730	0.320	0.136	0.200	0.184	0.320	0.280	0.400	0.200	3.62			
29.	0.650	R 0.600	0.890	0.650	0.650	0.280	0.136	0.280	0.184	0.320	0.280	0.400	0.200	3.28			
30.	0.650	R 0.600	0.810	0.600	0.600	0.240	0.136	0.550	0.184	0.280	0.240	0.360	0.200	2.78			
31.	0.650	R 0.550	0.650	0.650	0.650	0.240	0.136	0.184	0.280	0.280	0.360	0.360	0.200	2.28			
Tag	1.+	7.+	4.+	27.+	9.	30.	26.+	1.+	28.+	1.+	1.+	2.+	21.+	1.			
NQ	0.240	0.450	0.500	0.450	0.320	0.240	0.136	0.136	0.184	0.184	0.240	0.240	0.200	0.200			
MQ	1.11	0.568	3.18	0.878	0.699	0.441	0.167	0.217	0.246	0.316	0.332	0.470	0.251	1.68			
HQ	3.62	0.810	16.9	1.50	1.60	0.810	0.240	1.31	0.600	2.04	1.22	1.40	0.360	3.79			
Tag	15.	28.	14.	11.	17.	1.	1.	22.	14.	19.	11.	12.	1.	28.			
h _N mm	81	43	241	60	53	32	13	16	19	24	24	36	18	127			
h _A mm	1946/2010		1947/2011						65 Kalenderjahre								
Jahr	1976	1946	1947	1996	1996	1957	1947+	1959	1982	1959+	1959	1959	1976	1948+			
NQ	0.060	0.090	0.080	0.063	0.063	0.140	0.080	0.020	0.010	0.010	0.010	0.020	0.060	0.100			
MNQ	0.408	0.488	0.469	0.469	0.555	0.697	0.372	0.281	0.251	0.212	0.223	0.284	0.409	0.490			
MQ	0.904	1.26	1.20	1.06	1.45	1.46	0.691	0.515	0.485	0.367	0.432	0.598	0.904	1.28			
MHQ	2.55	4.19	4.18	2.96	5.09	3.73	1.58	1.67	2.02	1.32	1.59	1.73	2.55	4.25			
HQ	10.1	15.6	24.8	14.4	25.4	19.5	5.20	6.06	17.7	7.09	17.0	7.05	10.1	15.6			
Jahr	1998	1965	2002	2005	1981	2006	1970	1966	2007	1981	1998	1960	1998	1965			
Mh _N mm	66	96	91	73	110	107	52	38	37	28	32	45	66	97			
Mh _A mm																	
Hauptwerte	Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschnittene Abflüsse m ³ /s								
	Jahr		Datum		Winter		Sommer		Jahr		Datum		1947/2011 65 Kalenderjahre		Untere Hüllkurve		
	NQ	m ³ /s	0.136	am 26.05.2011	0.240	0.136	0.136	am 26.05.2011	364	14.0	14.0	22.0	7.16	2.34			
	MQ	m ³ /s	0.719		1.15	0.292	0.743		363	13.3	13.3	21.4	5.70	1.97			
	HQ	m ³ /s	16.9	am 14.01.2011	16.9	2.04	16.9	am 14.01.2011	362	9.10	9.10	16.6	5.05	1.84			
	Nq	l/(skm ²)	3.85		6.80	3.85	3.85		361	6.10	6.10	9.50	4.30	1.75			
	Mq	l/(skm ²)	20.4		32.7	8.26	21.0		360	5.30	5.30	8.60	4.05	1.46			
	Mq	l/(skm ²)	479		479	57.8	479		359	5.10	5.10	7.16	3.79	1.46			
	h _N	mm							358	4.70	4.70	7.44	3.62	1.33			
	h _A	mm	642		511	131	663		357	4.50	4.50	7.16	3.45	1.33			
									356	3.79	3.79	6.32	3.45	1.33			
									355	2.65	2.94	4.74	2.85	1.33			
									340	1.71	2.16	4.05	2.35	1.07			
									330	1.31	1.40	3.32	2.00	0.960			
								320	1.13	1.22	3.00	1.71	0.770				
								300	0.890	0.970	2.61	1.33	0.380				
								270	0.600	0.650	1.58	1.00	0.310				
								240	0.550	0.500	1.33	0.770	0.280				
								210	0.450	0.400	1.11	0.630	0.120				
								183	0.400	0.360	1.00	0.540	0.110				
								150	0.360	0.320	0.900	0.450	0.100				
								130	0.320	0.280	0.800	0.400	0.090				
								120	0.280	0.280	0.700	0.370	0.090				
								110	0.280	0.240	0.700	0.360	0.090				
								100	0.280	0.240	0.700	0.330	0.090				
								90	0.240	0.240	0.610	0.310	0.080				
								80	0.240	0.240	0.610	0.280	0.080				
								70	0.200	0.200	0.530	0.240	0.080				
								60	0.200	0.200	0.530	0.220	0.080				
								50	0.200	0.200	0.530	0.200	0.080				
								40	0.184	0.184	0.470	0.200	0.040				
								30	0.168	0.168	0.470	0.200	0.040				
								25	0.168	0.168	0.460	0.168	0.020				
								20	0.152	0.152	0.430	0.152	0.020				
								15	0.152	0.152	0.400	0.136	0.020				
								10	0.136	0.136	0.400	0.110	0.020				
								9	0.136	0.136	0.400	0.100	0.020				
								8	0.136	0.136	0.400	0.100	0.020				
								7	0.136	0.136	0.400	0.100	0.010				
								6	0.136	0.136	0.400	0.100	0.010				

A_{Eo} : 114.00 km²
 PNP : NHN+ 367.63 m
 Lage : 1.00 km oberhalb der Mündung links



m³/s

Pegel : Schleusingen Nr. 421620
 Gewässer : Nahe
 Gebiet : Werra

	Tag	2010		2011											
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
Tageswerte	1.	0.880	1.58	1.82	2.45	1.94	2.19	0.730	0.530	0.960	0.630	0.680	0.580	0.800	0.530
	2.	0.880	1.48	1.82	2.45	1.82	2.06	0.730	0.530	0.880	0.580	0.680	0.580	0.800	0.530
	3.	0.880	1.58	1.70	2.45	1.70	1.94	0.730	0.480	1.04	0.580	0.680	0.530	0.800	0.580
	4.	0.960	1.48	1.70	2.45	1.70	2.06	0.730	0.480	0.800	0.880	0.630	0.530	0.800	1.30
	5.	0.960	1.39	1.58	3.01	1.58	1.82	0.680	0.480	0.800	0.680	0.880	0.580	0.800	2.71
	6.	1.12	1.39	1.82	3.33	1.58	1.70	0.680	0.680	0.680	0.630	0.680	0.580	0.730	1.70
	7.	1.48	1.30	4.50	3.33	1.48	1.70	0.680	0.480	0.680	0.880	0.800	0.730	0.680	1.82
	8.	1.30	1.58	7.20	3.65	1.48	1.48	0.630	0.880	0.880	0.800	0.960	0.960	0.680	1.82
	9.	1.21	1.48	10.0	3.49	1.48	1.48	0.630	0.580	0.680	0.960	0.960	0.730	0.680	2.58
	10.	1.21	1.39	10.0	3.49	1.58	1.39	0.580	0.580	0.680	1.04	0.800	1.04	0.680	2.71
	11.	1.48	1.82	8.40	4.16	1.70	1.30	0.630	0.530	0.800	0.800	1.04	0.960	0.680	2.58
	12.	2.32	2.45	7.20	4.33	1.70	1.30	0.630	0.530	0.630	0.730	1.21	2.06	0.680	2.71
	13.	3.65	2.19	13.2	4.68	1.82	1.30	0.630	0.530	0.730	0.960	0.880	2.19	0.680	2.58
	14.	3.82	2.06	26.8	4.50	2.19	1.21	0.630	0.580	1.12	1.04	0.800	1.70	0.630	3.01
	15.	4.33	2.06	27.9	4.33	2.58	1.12	0.630	0.680	0.730	1.04	0.800	1.58	0.630	3.17
	16.	5.44	2.06	20.9	4.16	3.49	1.12	0.630	0.530	0.680	0.880	0.800	1.48	0.630	5.25
	17.	5.25	2.06	15.7	3.82	4.16	1.04	0.630	0.530	0.730	0.800	0.960	1.30	0.630	6.40
	18.	5.06	2.06	12.5	3.65	4.50	1.04	0.630	0.730	0.730	0.800	1.30	1.30	0.580	5.82
	19.	4.50	1.94	10.4	3.33	4.16	1.04	0.580	0.580	0.680	1.48	1.04	1.48	0.580	4.87
	20.	3.99	1.94	9.00	3.01	3.82	0.960	0.580	0.680	0.880	1.21	0.880	1.39	0.580	4.16
	21.	3.49	1.82	7.80	2.58	3.49	0.960	0.580	1.30	0.800	0.960	0.880	1.21	0.580	3.65
	22.	3.33	1.94	6.80	2.45	3.17	0.960	0.580	1.30	0.800	0.960	0.800	1.12	0.580	3.33
	23.	3.01	1.94	6.01	2.32	2.85	0.880	0.580	1.04	0.680	0.960	0.800	1.04	0.580	3.49
	24.	3.01	2.06	5.44	2.32	2.71	0.880	0.580	0.730	0.680	0.960	0.800	1.04	0.530	5.44
	25.	2.58	2.19	4.87	2.32	2.58	0.880	0.580	0.680	0.680	0.880	0.730	0.960	0.530	6.01
	26.	2.45	2.19	4.50	2.06	2.45	0.880	0.580	0.680	0.680	0.800	0.680	0.960	0.530	6.80
	27.	2.19	2.32	3.99	2.06	2.32	0.880	0.580	0.630	0.630	1.04	0.630	0.960	0.530	7.20
	28.	2.06	2.06	3.65	2.06	2.19	0.960	0.530	0.580	0.630	0.880	0.630	0.960	0.530	7.60
	29.	1.94	1.94	3.33	2.19	2.19	0.960	0.530	0.680	0.580	0.800	0.630	0.880	0.530	7.40
	30.	1.70	1.94	3.01	2.19	2.19	0.800	0.480	1.58	0.630	0.730	0.580	0.880	0.530	7.00
	31.	1.70	1.94	2.71	2.19	2.19	0.480	0.480	0.630	0.630	0.730	0.880	0.880	0.530	5.82
Tag	1.+	7.	5.	26.+	7.+	30.	30.+	3.+	29.	2.+	30.	3.+	24.+	1.+	
NQ	0.880	1.30	1.58	2.06	1.48	0.800	0.480	0.480	0.580	0.580	0.580	0.530	0.530	0.800	
MQ	2.55	1.86	7.94	3.15	2.41	1.28	0.615	0.693	0.749	0.874	0.821	1.07	0.640	3.89	
HQ	6.40	2.71	30.1	4.87	4.87	2.45	1.82	4.50	1.94	3.99	2.71	3.01	2.06	7.80	
Tag	15.	12.	14.	11.	17.	1.	3.	6.	14.	19.	17.	12.	1.	16.	
h _N mm	58	44	187	67	57	29	14	16	18	21	19	25	15	91	
h _A mm															
	1962/2010		1963/2011 49 Kalenderjahre												
Jahr	1962	1962	1972	1972	1963	2007	2011	2000	2003	2003	1964	1964	1971+	1971	
NQ	0.180	0.180	0.320	0.320	0.300	0.630	0.480	0.280	0.250	0.210	0.210	0.260	0.280	0.360	
MNQ	0.933	1.33	1.33	1.49	1.68	2.04	1.01	0.728	0.611	0.482	0.472	0.643	0.940	1.34	
MQ	2.07	3.18	3.32	2.88	3.83	3.87	1.87	1.27	1.11	0.785	0.907	1.22	2.08	3.25	
MHQ	5.35	9.80	10.4	7.01	10.6	8.80	4.38	4.30	4.53	2.77	3.44	3.29	5.38	9.91	
HQ	21.4	49.9	43.0	28.2	50.0	39.8	15.2	15.6	30.4	13.2	23.1	12.0	21.4	49.9	
Jahr	1998	1978	2002	2005	1981	2006	1974	1963	2007	1981	1998	1998	1998	1978	
Mh _N mm	47	75	78	62	90	88	44	29	26	18	21	29	47	76	
Mh _A mm															
Hauptwerte	Abflussjahr (*) 2011		Kalenderjahr 2011		Unterschreitungs- dauer in Tagen		Unterschrittene Abflüsse m ³ /s								
	Jahr	Datum	Winter	Sommer	Jahr	Datum	Abfluss- jahr (*) 2011	Kalender- jahr 2011	1963/2011 49 Kalenderjahre						
	NQ	m ³ /s	0.480 am 30.05.2011	0.800	0.480	0.480 am 30.05.2011	364	27.9	27.9	45.2	17.0	4.43	17.0	4.43	
	MQ	m ³ /s	2.00	3.21	0.804	2.01	363	26.8	26.8	43.8	13.9	3.80	13.9	3.80	
	HQ	m ³ /s	30.1 am 14.01.2011	30.1	4.50	30.1 am 14.01.2011	362	20.9	20.9	40.4	12.2	3.80	12.2	3.80	
	Nq	l/(skm ²)	4.21	7.02	4.21	4.21	361	15.7	15.7	27.3	11.3	3.52	11.3	3.52	
	Mq	l/(skm ²)	17.5	28.2	7.05	17.7	360	13.2	13.2	19.6	10.5	3.24	10.5	3.24	
	Hq	l/(skm ²)	264	264	39.5	264	359	12.5	12.5	19.5	9.80	3.10	9.80	3.10	
							358	10.4	10.4	17.5	9.30	3.10	9.30	3.10	
							357	10.0	10.0	16.7	8.95	3.10	8.95	3.10	
							356	10.0	10.0	14.0	8.60	3.10	8.60	3.10	
	h _N	mm	553	441	112	557	355	6.80	7.20	12.6	7.20	2.74	7.20	2.74	
	h _A	mm					340	4.50	5.82	9.37	6.00	2.61	6.00	2.61	
							330	3.99	4.50	8.11	5.06	2.48	5.06	2.48	
							320	3.49	3.82	7.35	4.43	2.26	4.43	2.26	
							300	2.58	3.01	6.22	3.49	1.85	3.49	1.85	
							270	2.06	2.06	4.26	2.60	1.41	2.60	1.41	
							240	1.70	1.58	3.20	2.03	1.12	2.03	1.12	
							210	1.48	1.04	2.69	1.58	0.880	1.58	0.880	
							183	1.04	0.960	2.12	1.30	0.760	1.30	0.760	
						150	0.960	0.800	1.80	1.05	0.500	1.05	0.500		
						130	0.880	0.730	1.68	0.940	0.400	0.940	0.400		
						120	0.800	0.730	1.56	0.880	0.400	0.880	0.400		
						110	0.800	0.680	1.46	0.820	0.350	0.820	0.350		
						100	0.730	0.680	1.42	0.780	0.350	0.780	0.350		
						90	0.730	0.680	1.33	0.730	0.350	0.730	0.350		
						80	0.680	0.630	1.29	0.680	0.350	0.680	0.350		
						70	0.680	0.630	1.17	0.630	0.340	0.630	0.340		
						60	0.630	0.630	1.17	0.600	0.310	0.600	0.310		
						50	0.630	0.580	1.05	0.550	0.280	0.550	0.280		
						40	0.630	0.580	1.05	0.500	0.250	0.500	0.250		
						30	0.580	0.580	1.05	0.440	0.250	0.440	0.250		
						25	0.580	0.530	0.930	0.420	0.250	0.420	0.250		
						20	0.580	0.530	0.930	0.400	0.230	0.400	0.230		
						15	0.530	0.530	0.930	0.370	0.230	0.370	0.230		
						10	0.530	0.530	0.820	0.350	0.210	0.350	0.210		
						9	0.530	0.530	0.820	0.340	0.210	0.340	0.210		
						8	0.530	0.530	0.720	0.330	0.210	0.330	0.210		
						7	0.530	0.530	0.720	0.320	0.210	0.320	0.210		
						6	0.530	0.530	0.720	0.310	0.210	0.310	0.210		
						5	0.480	0.480	0.720	0.310	0.210	0.310	0.210		
						4	0.480	0.480	0.710	0.310	0.210	0.310	0.210		
						3	0.480	0.480	0.710	0.310	0.210	0.310	0.210		
						2	0.480	0.480	0.710	0.280	0.210	0.280	0.210		
						1	0.480	0.480	0.710	0.250	0.210	0.250	0.210		
						0	0.480	0.480	0.600	0.210	0.210	0.210	0.210		

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

A_{Eo} : 327.00 km²
 PNP : NHN+ 306.59 m
 Lage : 4.00 km oberhalb der Mündung links



m³/s

Pegel : Ellingshausen Nr. 422000
 Gewässer : Hasel
 Gebiet : Werra

	Tag	2010		2011														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
Tageswerte	1.	1.98	3.45	R 3.82	6.12	4.21	3.57	1.98	1.34	2.55	1.56	1.89	1.41	1.80	1.27			
	2.	1.98	3.45	R 3.69	5.96	4.08	3.57	1.98	1.27	2.35	1.48	1.80	1.41	1.72	1.34			
	3.	1.98	3.32	3.57	5.65	3.82	3.57	1.98	1.20	3.21	1.41	1.72	1.34	1.72	1.41			
	4.	1.98	3.09	3.45	5.65	3.69	4.08	1.98	1.20	2.55	1.89	1.72	1.34	1.72	2.25			
	5.	1.89	3.09	R 3.32	7.10	3.69	3.57	1.98	1.56	2.25	1.89	2.65	1.41	1.72	4.62			
	6.	2.65	3.09	3.57	7.62	3.57	3.32	1.89	3.45	2.16	1.56	1.80	1.48	1.64	2.65			
	7.	2.87	2.98	9.28	7.80	3.45	3.21	1.89	2.16	2.25	2.87	2.16	2.06	1.64	2.55			
	8.	2.45	3.69	16.7	7.80	3.32	3.09	1.80	2.65	3.45	2.35	2.25	2.87	1.64	2.35			
	9.	2.35	3.57	23.3	7.27	3.32	3.09	1.72	1.72	2.16	2.55	2.16	2.06	1.56	3.09			
	10.	2.35	3.21	21.2	6.93	3.45	2.98	1.72	1.48	2.06	2.45	1.89	2.76	1.48	3.09			
	11.	2.98	4.21	17.0	8.34	3.45	2.87	1.72	1.56	2.35	2.06	2.16	2.16	1.48	2.76			
	12.	4.21	6.44	15.4	8.53	3.45	2.87	1.89	1.41	1.98	1.98	2.65	4.35	1.48	2.98			
	13.	5.35	5.35	31.8	8.90	3.45	2.87	1.89	1.34	2.16	2.87	1.98	4.62	1.41	3.09			
	14.	5.05	4.91	64.6	8.71	3.82	2.65	1.80	1.64	3.57	2.87	1.98	3.69	1.41	4.35			
	15.	5.49	4.48	61.4	8.16	3.95	2.55	1.72	1.64	2.06	2.65	1.80	3.32	1.41	4.76			
	16.	8.53	4.35	42.6	7.62	4.62	2.55	1.72	1.48	1.98	2.25	1.80	2.98	1.34	8.34			
	17.	7.80	4.35	32.1	7.10	5.49	2.55	1.80	1.56	2.16	2.16	1.89	2.76	1.34	9.09			
	18.	7.45	4.08	25.5	6.77	6.12	2.45	1.72	2.16	2.45	2.06	2.65	2.65	1.34	7.62			
	19.	6.44	3.95	22.4	6.27	5.65	2.35	1.72	1.56	1.98	3.09	1.98	2.87	1.34	6.44			
	20.	6.12	3.95	19.8	5.80	5.20	2.25	1.98	1.80	2.55	2.35	1.89	2.87	1.34	5.65			
	21.	5.80	3.69	17.0	5.49	4.76	2.25	1.89	2.98	2.45	2.06	1.72	2.45	1.34	5.35			
	22.	5.65	4.08	14.7	5.20	4.48	2.16	1.72	3.21	2.45	2.06	1.72	2.25	1.27	5.49			
	23.	5.35	4.48	13.2	5.05	4.21	2.16	1.72	2.65	1.98	1.89	1.72	2.16	1.20	6.60			
	24.	5.49	4.91	12.1	4.76	3.95	2.16	1.56	2.25	1.89	2.45	1.64	2.16	1.20	10.3			
	25.	5.05	5.05	11.5	4.76	3.95	2.06	1.48	1.89	1.89	2.76	1.64	2.06	1.20	10.9			
	26.	4.62	4.76	10.5	4.62	3.95	2.16	1.48	2.06	1.72	2.06	1.56	2.06	1.20	10.7			
	27.	4.35	4.62	9.48	4.48	3.82	2.25	1.48	1.80	1.89	2.87	1.56	1.98	1.20	11.3			
	28.	3.95	R 4.35	R 4.35	8.34	4.48	3.69	2.45	1.41	1.64	1.80	2.35	1.56	1.98	1.13			
	29.	3.82	R 4.21	7.62	6.93	3.57	2.25	1.41	1.72	1.64	2.06	1.48	1.89	1.13	10.5			
	30.	3.69	R 3.95	6.93	6.93	3.45	2.16	1.34	3.45	1.72	1.98	1.41	1.80	1.20	10.3			
	31.		R 3.82	6.44	6.44	3.45		1.34		1.64	1.89		1.80		9.09			
Hauptwerte	Tag	5.	7.	5.	27.+	8.+	25.	30.+	3.+	29.+	3.	30.	3.+	28.+	1.			
	NQ	1.89	2.98	3.32	4.48	3.32	2.06	1.34	1.20	1.64	1.41	1.41	1.34	1.13	1.27			
	MQ	4.32	4.09	17.5	6.53	4.03	2.74	1.73	1.93	2.24	2.22	1.89	2.35	1.42	5.86			
	HQ	9.87	6.93	71.3	9.48	6.93	5.20	3.09	17.2	11.1	8.34	6.77	6.60	1.80	14.3			
	Tag	16.	12.	14.	11.	17.	4.	21.	6.	7.	19.	11.	12.	1.	16.			
	h _N mm			143	48	33	22	14	15	18	18	15	19	11	48			
	h _A mm																	
		1935/2010		1936/2011 76 Kalenderjahre														
	Jahr	1949	1959	1942	1942	1942	1960	1948	1960	1943	1976	1964	1948	1949	1959			
	NQ	0.450	0.250	0.100	0.100	0.100	1.57	0.900	0.800	0.380	0.550	0.320	0.420	0.450	0.250			
	MNQ	2.32	2.77	3.08	3.54	3.94	4.11	2.47	1.98	1.81	1.56	1.48	1.64	2.32	2.76			
	MQ	4.27	5.92	6.23	6.31	7.43	7.16	3.97	3.30	3.18	2.53	2.45	2.98	4.25	5.95			
	MHQ	11.1	16.0	17.0	14.2	17.8	15.4	9.76	10.5	10.7	8.36	8.02	8.21	11.0	16.1			
	HQ	41.5	51.7	71.3	57.3	65.7	74.2	42.9	38.0	37.7	49.7	53.1	40.0	41.5	51.7			
	Jahr	1944	1978	2011	2005	2006	1994	1941	1966	1956	1981	1998	1960	1944	1978			
Mh _N mm			51	47	61	57	33	26	26	21	19	24	34	49				
Mh _A mm	34	48																
Dauertabelle	Abflussjahr (*) 2011		Kalenderjahr 2011				Unterschreitungs- dauer in Tagen				Unterschrittene Abflüsse m ³ /s							
	Jahr		Datum		Winter		Sommer		Jahr		Datum		Abfluss- jahr (*) 2011		Kalender- jahr 2011		1936/2011 76 Kalenderjahre	
													Obere Hüllkurve		Mittlere Werte		Untere Hüllkurve	
	NQ	m ³ /s	1.20	am 03.06.2011	1.89	1.20	1.13	am 28.11.2011	364	64.6	64.6	64.6	29.9	7.80				
	MQ	m ³ /s	4.30		6.57	2.06	4.21		363	61.4	61.4	61.4	25.5	7.10				
	HQ	m ³ /s	71.3	am 14.01.2011	71.3	17.2	71.3	am 14.01.2011	362	42.6	42.6	44.1	22.9	6.54				
	Nq	l/(skm ²)	3.67		5.78	3.67	3.46		361	32.1	32.1	32.1	21.1	6.42				
	Mq	l/(skm ²)	13.1		20.1	6.31	12.9		360	31.8	31.8	38.1	19.8	6.26				
	Hq	l/(skm ²)	218		218	52.6	218		359	25.5	25.5	34.1	18.7	6.11				
	h _N	mm							358	23.3	23.3	33.4	17.7	5.96				
	h _A	mm	414		314	100	406		357	22.4	22.4	31.0	16.9	5.96				
									356	21.2	21.2	29.9	16.3	5.96				
									350	14.7	14.7	26.3	13.4	5.54				
									340	8.53	10.3	18.8	11.1	5.14				
									330	7.45	8.34	16.8	9.70	4.76				
								320	6.27	7.10	14.8	8.54	4.53					
								300	5.05	5.35	12.1	6.99	3.58					
								270	4.08	3.69	10.7	5.50	2.89					
								240	3.57	3.21	9.90	4.53	2.50					
								210	3.09	2.65	8.90	3.81	2.17					
								183	2.65	2.35	7.92	3.26	1.74					
								150	2.25	2.06	6.40	2.75	1.26					
								130	2.16	1.98	5.68	2.47	1.10					
								120	2.06	1.89	5.32	2.35	0.940					
								110	1.98	1.89	5.14	2.22	0.940					
								100	1.98	1.80	4.96	2.10	0.860					
								90	1.89	1.72	4.60	1.98	0.860					
								80	1.89	1.72	4.29	1.88	0.860					
								70	1.80	1.72	4.14	1.76	0.780					
								60	1.80	1.64	3.83	1.65	0.780					
								50	1.72	1.56	3.67	1.55	0.780					
								40	1.64	1.48	3.45	1.41	0.730					
								30	1.56	1.41	3.30	1.28	0.750					
								25	1.56	1.34	3.30	1.22	0.700					
								20	1.48	1.34	3.14	1.15	0.700					
								15	1.41	1.34	2.98	1.07	0.700					
								10	1.41	1.27	2.82	0.960	0.700					
								9	1.41	1.20	2.82	0.950	0.700					
								8	1.34	1.20	2.82	0.930	0.700					
								7	1.34	1.20	2.82	0.890	0.700					
								6	1.34	1.20	2.76	0.860	0.700					
								5	1.34	1.20	2.76	0.820	0.700					
								4	1.34	1.20	2.76	0.780	0.700					
								3	1.34	1.20	2.69	0.730	0.700					
								2	1.27	1.20	2.69	0.660	0.700					
								1	1.20	1.13	2.69	0.500	0.700					
								0	1.20	1.13	2.63	0.100	0.700					
Extremwerte	Niedrigwasser		Hochwasser															
	m ³ /s		l/(skm ²)		Datum		m ³ /s		l/(skm ²)		cm		Datum					
	1	0.100	0.306	29.01.1942	74.2	227							13.04.1994					
	2	0.250	0.765	16.12.1959	71.3	218							14.01.2011					
	3	0.320	0.979	11.09.1964	65.7	201							31.03.2006					
	4	0.380	1.16	17.07.1943	59.4	182							28.01.2002					
	5	0.420	1.28	11.10.1948	57.3	175							13.02.2005					
	6	0.430	1.31	07.07.1949	56.3	172							11.03.1981					
	7	0.440	1.35	23.09.1949	53.3	163							01.04.1988					
	8																	

A_{E0} : 151.00 km²
 PNP : NN+ 344.07 m
 Lage : 5.00 km oberhalb der Mündung links



Pegel : Schwarza Nr. 422300
 Gewässer : Schwarza
 Gebiet : Werra

Tag	2010			2011												
	Nov	Dez		Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
1.	1.00	R 1.67		1.77	2.51	1.67	1.58	0.790	0.480	1.31	0.650	0.860	K 0.650	K 0.790	0.480	
2.	1.00	R 1.67		1.77	2.17	1.67	1.58	0.790	0.480	1.15	0.590	0.860	K 0.650	K 0.790	0.590	
3.	0.930	R 1.58		1.67	2.17	1.67	1.58	0.790	0.430	1.67	0.590	0.790	K 0.650	K 0.790	0.590	
4.	0.930	R 1.49		1.67	2.17	1.58	1.87	0.790	0.430	1.31	0.720	0.790	K 0.590	K 0.790	0.860	
5.	0.930	R 1.49		1.67	3.01	1.49	1.58	0.720	0.860	1.15	0.790	1.07	K 0.650	K 0.790	1.87	
6.	1.31	R 1.49		1.67	3.41	1.49	1.49	0.720	1.49	1.00	0.720	0.790	K 0.720	K 0.720	1.00	
7.	1.31	R 1.40		4.25	3.55	1.40	1.40	0.720	0.860	1.15	1.31	0.930	K 0.930	K 0.720	1.07	
8.	1.15	R 1.77		8.35	3.41	1.40	1.40	0.650	1.15	1.40	1.07	0.930	K 1.23	K 0.720	0.930	
9.	1.07	R 1.58		12.6	3.27	1.40	1.31	0.650	0.650	1.00	1.23	1.00	K 0.860	K 0.650	1.40	
10.	1.15	R 1.49		11.8	3.14	1.40	1.23	0.650	0.590	0.930	1.15	0.860	K 1.23	K 0.650	1.31	
11.	1.31	R 2.17		9.61	3.97	1.40	1.23	0.650	0.650	0.930	1.00	0.860	K 1.00	K 0.590	1.23	
12.	1.97	R 3.01		4.25	4.25	1.40	1.15	0.720	0.530	0.860	1.00	1.00	K 2.17	K 0.590	1.31	
13.	3.14	R 2.51		19.8	4.40	1.49	1.15	0.650	0.530	1.00	1.15	0.930	K 2.17	K 0.590	1.49	
14.	3.01	R 2.58		40.0	4.25	1.67	1.07	0.650	0.650	1.40	1.40	0.790	K 1.67	K 0.590	2.07	
15.	4.55	R 1.07		30.2	3.83	1.87	1.07	0.650	0.590	0.860	1.15	0.790	K 1.58	K 0.590	2.28	
16.	4.40	R 1.97		20.6	3.55	2.39	1.00	0.650	0.590	0.790	1.00	0.790	K 1.40	K 0.590	4.11	
17.	4.25	R 2.07		16.0	3.27	3.01	1.00	0.650	0.590	1.00	1.00	0.790	K 1.31	K 0.590	4.55	
18.	4.11	R 1.97		13.2	3.01	3.14	1.00	0.590	0.860	1.00	0.930	1.00	K 1.23	K 0.590	3.83	
19.	3.55	R 1.97		11.6	2.75	2.88	1.00	0.590	0.650	0.860	1.58	0.860	K 1.31	K 0.590	3.27	
20.	3.27	R 1.87		10.0	2.51	2.63	0.930	0.650	0.720	1.00	1.07	0.790	K 1.31	K 0.530	2.88	
21.	3.14	R 1.77		8.53	2.28	2.28	0.930	0.790	1.23	1.00	1.00	0.720	K 1.07	K 0.530	2.63	
22.	3.14	R 1.87		7.47	2.17	2.07	0.930	0.650	1.31	0.930	0.930	0.720	K 1.07	K 0.530	2.63	
23.	3.01	R 2.17		6.29	2.07	1.97	0.860	0.650	1.15	0.790	0.860	0.720	K 1.00	K 0.530	3.27	
24.	3.01	R 1.39		5.65	1.97	1.77	0.860	0.530	1.00	0.790	1.31	0.720	K 1.00	K 0.530	5.65	
25.	3.63	R 1.51		5.17	1.77	1.77	0.860	0.480	0.790	0.720	1.15	0.720	K 0.930	K 0.480	6.13	
26.	3.39	R 1.39		4.70	1.97	1.77	0.930	0.530	0.860	0.720	0.930	0.720	K 0.930	K 0.530	6.13	
27.	3.17	R 2.28		4.25	1.77	1.77	0.930	0.590	0.720	0.860	1.40	0.720	K 0.930	K 0.480	6.45	
28.	2.07	R 1.17		3.55	1.77	1.67	1.07	0.530	0.650	0.720	1.07	0.650	K 0.860	K 0.480	6.62	
29.	1.97	R 1.07		3.27	1.58	1.58	0.930	0.530	0.930	0.650	1.00	0.650	K 0.860	K 0.480	6.13	
30.	1.87	R 1.97		3.01	1.58	1.58	0.860	0.480	1.77	0.720	1.00	0.650	K 0.860	K 0.480	5.81	
31.	1.87	R 1.87		2.75	1.58	1.58	0.480	0.480	1.77	0.650	0.930	0.650	K 0.790	K 0.480	5.01	
Tag	3+	7.		5.	26+	7+	23+	25+	3+	29+	2+	28+	4.	25+	1.	
NQ	0.930	1.40		1.58	1.77	1.40	0.860	0.480	0.430	0.650	0.590	0.650	0.590	0.480	0.480	
MQ	2.29	1.97		9.07	2.87	1.83	1.16	0.644	0.806	0.978	1.02	0.816	1.08	0.610	3.02	
HQ	5.81	3.27		43.2	4.55	3.69	2.51	2.07	10.0	5.33	6.13	2.07	3.41	0.860	7.13	
Tag	16.	12.		14.	13.	17.	4.	21.	6.	7.	19.	5.	3.	1.	24.	
h _N mm	39	35		161	46	33	20	11	14	17	18	14	19	10	54	
h _A mm																
	1949/2010			1950/2011 62 Kalenderjahre												
Jahr	1949	1953		1954	1972	1972	1960	2011	2000	1952	1952	1973	1991	1953	1953	
NQ	0.220	0.230		0.170	0.400	0.330	0.800	0.480	0.310	0.220	0.220	0.280	0.260	0.310	0.230	
MNQ	1.15	1.39		1.45	1.60	1.80	2.10	1.24	0.941	0.842	0.740	0.729	0.843	1.16	1.39	
MQ	2.16	3.04		3.09	2.94	3.81	3.86	2.10	1.64	1.47	1.19	1.24	1.57	2.16	3.06	
MHQ	5.69	8.46		9.09	7.23	10.2	9.01	5.56	6.00	5.66	4.62	4.69	4.58	5.69	8.51	
HQ	21.5	24.6		43.2	26.6	43.6	46.8	14.8	23.6	20.0	28.8	31.8	30.0	21.5	24.6	
Jahr	1977	1974		2011	2005	1981	1994	2002	1966	1966	1981	1998	1960	1977	1974	
Mh _N mm	37	54		55	47	68	66	37	28	26	21	21	28	37	54	
Mh _A mm																
	Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschnittene Abflüsse m³/s							
	Jahr		Datum		Winter		Sommer		Jahr		Datum		1950/2011 62 Kalenderjahre		Untere Hüllkurve	
													Obere Hüllkurve		Mittlere Werte	
NQ	0.430		am 03.06.2011		0.860		0.430		0.430		am 03.06.2011		40.0		40.0	
MQ	2.05				3.22		0.893		2.00				30.2		30.2	
HQ	43.2		am 14.01.2011		43.2		10.0		43.2		am 14.01.2011		20.6		20.6	
Nq	l/(skm²)		2.85		5.70		2.85		2.85				19.8		19.8	
Mq	l/(skm²)		13.6		21.3		5.91		13.2				16.0		16.0	
Hq	l/(skm²)		286		286		66.2		286				16.0		16.0	
h _N	mm		428		334		94		417				14.7		14.7	
h _A	mm		428		334		94		417				11.6		11.6	
	1950/2011 (*) 62 Jahre				1950/2011				Dauertabelle							
NQ	0.170		am 09.01.1954		0.170		0.220		0.170		am 09.01.1954		364		40.0	
MNQ	0.498				0.855		0.559		0.525				30.2		30.2	
MQ	2.34				3.16		1.54		2.34				20.6		20.6	
MHQ	18.5				17.1		10.4		18.7				19.8		19.8	
HQ	46.8		am 13.04.1994		46.8		31.8		46.8		am 13.04.1994		16.0		16.0	
HQ ₁	m³/s				0.860		0.790		0.860				19.8		19.8	
HQ ₅	m³/s				0.860		0.790		0.860				16.0		16.0	
MNq	l/(skm²)		3.30		5.66		3.70		3.47				13.2		13.2	
Mq	l/(skm²)		15.5		20.9		10.2		15.5				12.6		12.6	
MHq	l/(skm²)		122		113		69.1		124				11.8		11.8	
Mh _N	mm		489		327		162		489				11.6		11.6	
Mh _A	mm		489		327		162		489				7.47		7.47	
	Niedrigwasser				Hochwasser											
	m³/s		l/(skm²)		Datum		m³/s		l/(skm²)		cm		Datum			
1	0.170		1.13		09.01.1954		46.8		310		13.04.1994					
2	0.220		1.46		11.07.1952		43.6		289		10.03.1981					
3	0.220		1.46		01.11.1949		43.2		286		14.01.2011					
4	0.260		1.72		15.10.1991		32.5		215		31.03.2006					
5	0.270		1.79		26.08.1962		31.8		211		15.09.1998					
6	0.280		1.85		16.08.2003		30.0		199		13.10.1960					
7	0.280		1.85		04.09.1973		28.8		191		10.08.1981					
8	0.310		2.05		28.06.2000		26.9		178		28.01.2002					
9	0.310		2.05		26.09.1997		26.6		176		12.02.2005					
10	0.310		2.05		04.10.1959		26.3		174		17.10.1960					

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
 Durchflussdaten in mittleren Abflussverhältnissen durch Überleitung mit Stollen in Fremdeinzugsgebiet (Unstrutgebiet – TS Schmalwasser) seit 1985 beeinflusst.
 11 Tage Randeis, 61 Tage Verkrautung

A_{Eo} : 153.00 km²
PNP : NN+ 268.58 m
Lage : 3.00 km oberhalb der Mündung rechts



m³/s

Pegel : Mittelschmalkalden Nr. 424000
Gewässer : Schmalkalde
Gebiet : Werra

Tag	2010		2011													
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez		
1.	1.00	1.58	1.78	2.49	1.68	1.31	0.806	0.580	1.08	0.688	0.868	0.688	0.806	0.580		
2.	0.935	1.49	1.78	2.36	1.58	1.31	0.745	0.530	0.868	0.633	0.806	0.633	0.806	0.633		
3.	0.935	1.40	1.68	2.36	1.49	1.40	0.745	0.530	1.49	0.633	0.745	0.633	0.806	0.633		
4.	0.868	1.31	1.58	2.36	1.49	1.49	0.745	0.482	1.15	0.688	1.49	0.633	0.806	0.868		
5.	0.868	R 1.31	1.49	3.29	1.49	1.31	0.745	0.745	1.00	0.633	3.70	0.633	0.745	2.00		
6.	1.31	R 1.31	2.00	4.12	1.40	1.23	0.688	1.08	0.935	0.688	1.89	0.745	0.745	1.40		
7.	1.40	R 1.31	5.94	4.26	1.40	1.15	0.745	0.745	0.935	1.08	1.89	0.806	0.745	1.23		
8.	1.31	1.40	11.6	4.12	1.31	1.15	0.688	1.08	1.00	0.806	1.58	1.08	0.745	1.15		
9.	1.23	1.40	18.2	3.84	1.31	1.08	0.688	0.688	0.806	0.935	1.89	0.806	0.745	1.89		
10.	1.23	1.23	14.0	3.56	1.31	1.08	0.688	0.633	0.806	0.935	1.58	1.15	0.745	1.89		
11.	1.40	1.68	10.1	4.53	1.31	1.00	0.633	0.580	0.868	0.745	1.58	0.935	0.745	1.68		
12.	1.68	2.62	8.69	4.67	1.31	1.00	0.633	0.580	0.745	0.688	1.58	2.36	0.688	1.49		
13.	1.78	2.36	22.9	4.67	1.31	1.00	0.688	0.530	2.24	0.806	1.31	2.49	0.688	1.58		
14.	1.78	2.24	42.9	4.39	1.49	0.935	0.633	0.530	1.89	0.868	1.23	1.78	0.688	1.68		
15.	2.24	2.12	32.8	4.12	1.58	0.935	0.633	0.530	1.31	0.806	1.15	1.58	0.688	1.68		
16.	5.23	2.12	19.4	3.84	1.78	0.868	0.633	0.482	1.15	0.745	1.08	1.49	0.688	3.15		
17.	5.80	2.00	13.3	3.43	2.12	0.868	0.633	0.482	1.15	0.688	1.00	1.31	0.633	3.43		
18.	4.95	1.89	10.4	3.15	2.24	0.868	0.633	0.688	1.08	0.688	1.08	1.23	0.633	3.02		
19.	4.26	1.78	9.00	2.88	2.12	0.868	0.745	0.530	0.935	1.23	1.00	1.40	0.633	2.75		
20.	3.70	1.68	7.80	2.62	2.00	0.868	0.806	0.580	1.00	0.868	0.868	1.31	0.633	2.49		
21.	3.43	1.58	6.79	2.36	1.89	0.868	0.745	0.935	0.935	0.745	0.868	1.23	0.633	2.49		
22.	3.29	1.78	5.80	2.24	1.78	0.868	0.688	1.23	0.935	0.745	0.806	1.15	0.633	2.62		
23.	3.15	2.24	5.23	2.12	1.68	0.868	0.688	0.935	0.868	0.688	0.806	1.08	0.633	3.70		
24.	3.02	2.75	4.81	2.12	1.58	0.806	0.633	0.745	0.806	1.40	0.745	1.08	0.633	6.22		
25.	2.75	2.75	4.53	2.12	1.49	0.806	0.580	0.688	0.745	1.23	0.745	1.00	0.633	6.51		
26.	2.49	R 2.62	4.26	2.00	1.49	0.868	0.580	0.688	0.745	0.935	0.745	1.00	0.633	6.36		
27.	2.24	R 2.49	3.84	2.00	1.40	0.868	0.580	0.633	0.745	1.31	0.688	0.935	0.633	6.36		
28.	2.12	R 2.36	3.56	1.89	1.40	1.00	0.530	0.580	0.688	1.15	0.688	0.935	0.633	5.94		
29.	2.00	R 2.24	3.29		1.31	0.806	0.530	0.806	0.688	1.00	0.688	0.868	0.633	5.23		
30.	1.89	R 2.00	3.02		1.23	0.806	0.530	1.40	0.745	0.935	0.688	0.868	0.633	4.95		
31.		R 2.00	2.75		1.31		0.530		0.745	0.868		0.806		4.26		
Tag	4.+	10.	5.	28.	30.	24.+	28.+	4.+	28.+	2.+	27.+	2.+	17.+	1.		
NQ	0.868	1.23	1.49	1.89	1.23	0.806	0.530	0.482	0.688	0.633	0.688	0.633	0.633	0.580		
MQ	2.34	1.90	9.20	3.14	1.56	1.01	0.663	0.708	1.00	0.866	1.19	1.12	0.691	2.90		
HQ	6.36	2.88	44.5	4.81	2.49	1.68	2.24	5.52	12.7	4.39	12.5	3.84	0.806	7.36		
Tag	17.	12.	14.	11.	17.	3.	19.	6.	13.	19.	4.	12.	1.	24.		
h _N mm	40	33	161	50	27	17	12	12	18	15	20	20	12	51		
h _A mm																
	1955/2010		1956/2011					56 Kalenderjahre								
Jahr	1985	1986	1963	1963	1963	1974	1974	2000	2003	2003	2003	1985+	1985	1986		
NQ	0.230	0.170	0.270	0.260	0.280	0.700	0.520	0.320	0.230	0.190	0.190	0.230	0.230	0.170		
MNQ	0.959	1.23	1.33	1.51	1.67	1.78	1.12	0.850	0.727	0.637	0.604	0.709	0.946	1.22		
MQ	1.95	2.85	2.86	2.92	3.56	3.27	1.88	1.58	1.33	1.14	1.10	1.39	1.93	2.84		
MHQ	5.11	8.71	8.43	7.64	9.04	7.87	4.93	5.91	5.24	5.48	4.44	4.27	5.10	8.61		
HQ	17.5	34.0	44.5	34.3	40.2	43.7	16.3	29.8	25.0	103	27.8	29.0	17.5	34.0		
Jahr	1992	1967	2011	2005	1981	1994	2004	1958	1956	1981	2007	1960	1992	1967		
Mh _N mm	33	50	50	47	62	55	33	27	23	20	19	24	33	50		
Mh _A mm																
Hauptwerte	Abflussjahr (*)		2011				Kalenderjahr				Unterschnittene Abflüsse m ³ /s					
			Jahr		Datum		Jahr		Datum		1956/2011		56 Kalenderjahre		Untere	
			Winter		Sommer						Obere		Mittlere		Hüllkurve	
			Hüllkurve		Hüllkurve						Hüllkurve		Hüllkurve		Hüllkurve	
	NQ	m ³ /s	0.482	am 04.06.2011	0.806	0.482	0.482	am 04.06.2011	364	42.9	42.9	64.8	15.7	3.86	3.86	3.86
	MQ	m ³ /s	2.06		3.21	0.925	2.01		363	32.8	32.8	60.0	13.4	3.86	3.86	3.86
	HQ	m ³ /s	44.5	am 14.01.2011	44.5	12.7	44.5	am 14.01.2011	362	22.9	22.9	35.5	11.7	3.86	3.86	3.86
	Nq	l/(skm ²)	3.15		5.27	3.15	3.15		361	19.4	19.4	31.9	10.5	3.86	3.86	3.86
	Mq	l/(skm ²)	13.5		21.0	6.05	13.1		360	18.2	18.2	28.3	9.76	3.74	3.74	3.74
	Hq	l/(skm ²)	291		291	83.0	291		359	14.0	14.0	27.5	9.16	3.74	3.74	3.74
	h _N	mm							358	13.3	13.3	17.5	8.80	3.62	3.62	3.62
	h _A	mm	424		328	96	414		357	11.6	11.6	15.5	8.39	3.50	3.50	3.50
									356	10.4	10.4	14.8	7.98	3.50	3.50	3.50
									355	5.94	6.51	12.4	6.51	3.14	3.14	3.14
									350	4.53	4.81	8.80	5.30	2.24	2.24	2.24
								340	3.84	4.12	6.78	4.56	1.92	1.92	1.92	
								330	3.15	3.43	6.02	4.00	1.60	1.60	1.60	
								320	2.36	2.36	5.31	3.25	1.38	1.38	1.38	
								300	1.89	1.68	4.26	2.52	1.12	1.12	1.12	
								270	1.58	1.40	3.49	2.06	1.01	1.01	1.01	
								240	1.31	1.15	3.05	1.69	0.870	0.870	0.870	
								210	1.23	1.00	2.61	1.46	0.770	0.770	0.770	
								183	1.00	0.868	2.40	1.21	0.570	0.570	0.570	
								150	0.935	0.806	2.30	1.06	0.450	0.450	0.450	
								130	0.868	0.806	2.20	0.990	0.390	0.390	0.390	
								120	0.868	0.745	2.10	0.935	0.390	0.390	0.390	
								110	0.806	0.745	2.00	0.870	0.390	0.390	0.390	
								100	0.806	0.745	1.90	0.820	0.330	0.330	0.330	
								90	0.745	0.688	1.80	0.770	0.330	0.330	0.330	
								80	0.745	0.688	1.70	0.720	0.270	0.270	0.270	
								70	0.688	0.688	1.60	0.670	0.270	0.270	0.270	
								60	0.688	0.633	1.50	0.600	0.230	0.230	0.230	
								50	0.688	0.633	1.41	0.560	0.230	0.230	0.230	
								40	0.633	0.633	1.34	0.510	0.230	0.230	0.230	
								30	0.633	0.633	1.27	0.482	0.230	0.230	0.230	
								25	0.580	0.580	1.26	0.450	0.190	0.190	0.190	
								20	0.530	0.530	1.23	0.380	0.190	0.190	0.190	
								15	0.530	0.530	1.23	0.360	0.190	0.190	0.190	
								1								

A_{E0} : 214.00 km²
 PNP : NN+ 233.02 m
 Lage : 2.00 km



Pegel : Dorndorf 2 Nr. 426000
 Gewässer : Felda
 Gebiet : Werra

Tageswerte	Tag	2010		2011												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
1.	0.957	2.33	1.96	3.11	1.73	1.13	0.804	0.735	1.73	0.670	0.611	0.508	0.670	0.611		
2.	0.878	2.20	1.96	3.11	1.73	1.13	0.804	0.735	1.32	0.611	0.611	0.508	0.735	0.811		
3.	0.878	1.08	1.96	2.98	1.73	1.04	0.804	0.670	1.04	0.611	0.611	0.508	0.670	0.670		
4.	0.957	1.96	1.85	2.98	1.62	1.22	0.804	0.670	0.878	0.670	0.670	0.508	0.670	0.957		
5.	0.957	1.96	1.85	4.52	1.62	1.13	0.804	0.735	0.804	0.611	1.41	0.508	0.670	2.98		
6.	1.13	1.96	2.33	4.37	1.52	1.04	0.804	0.957	0.735	0.611	0.735	0.611	0.670	1.96		
7.	1.41	1.96	17.93	3.57	1.52	1.04	0.804	1.13	0.735	0.735	0.804	0.804	0.670	1.73		
8.	1.41	2.08	23.1	3.25	1.52	1.04	0.735	0.878	0.878	0.735	0.878	0.957	0.611	1.85		
9.	1.32	2.45	22.9	2.98	1.41	1.04	0.735	0.804	0.670	0.804	0.957	0.878	0.611	2.58		
10.	1.22	2.20	12.5	2.95	1.41	0.957	0.735	0.735	0.670	0.670	0.804	1.13	0.611	2.33		
11.	1.62	3.67	8.92	3.25	1.32	0.957	0.670	0.735	0.735	0.611	0.735	0.957	0.611	1.62		
12.	2.08	3.10	7.94	3.53	1.32	0.957	0.735	0.735	0.611	0.611	0.804	1.85	0.611	1.52		
13.	2.95	1.11	23.34	3.53	1.32	0.957	0.670	0.735	1.04	0.670	0.670	3.11	0.611	1.52		
14.	2.67	1.81	25.2	3.67	1.32	0.957	0.611	0.735	1.13	0.670	0.670	1.62	0.611	2.71		
15.	2.85	2.25	15.0	3.53	1.32	0.957	0.670	0.804	0.804	0.611	0.611	1.22	0.611	3.39		
16.	2.59	1.98	11.4	3.25	1.32	0.957	0.670	0.735	0.735	0.557	0.611	1.04	0.611	4.37		
17.	2.41	1.98	9.58	3.11	1.32	0.957	0.670	0.735	0.735	0.557	0.611	0.957	0.611	7.45		
18.	2.95	1.71	9.43	2.85	1.32	0.957	0.611	0.670	0.735	0.508	0.611	0.878	0.611	4.09		
19.	2.39	2.58	7.94	2.71	1.22	0.878	0.611	0.670	0.670	0.804	0.611	0.957	0.611	3.11		
20.	2.98	2.71	7.29	2.58	1.22	0.878	0.804	0.735	1.32	0.804	0.557	1.04	0.611	2.71		
21.	2.71	2.58	6.49	2.33	1.13	0.878	0.611	0.878	1.13	0.611	0.557	0.957	0.611	2.71		
22.	2.71	2.85	5.87	2.20	1.13	0.878	0.670	1.22	1.04	0.557	0.557	0.957	0.557	2.98		
23.	2.67	2.67	5.56	2.08	1.04	0.878	0.670	1.13	0.878	0.508	0.557	0.878	0.557	5.41		
24.	2.09	2.53	5.41	1.96	1.04	0.804	0.611	0.804	0.804	0.611	0.557	0.804	0.557	6.18		
25.	3.81	1.11	5.26	1.85	1.04	0.804	0.557	0.804	0.804	1.22	0.508	0.804	0.557	5.41		
26.	2.39	1.71	4.96	1.73	1.04	0.878	0.557	0.735	0.735	0.735	0.508	0.804	0.557	4.52		
27.	2.98	2.58	4.52	1.73	1.04	1.04	0.557	0.735	0.735	0.804	0.508	0.735	0.557	3.81		
28.	2.71	2.45	4.23	1.73	1.04	0.878	0.70	0.611	0.804	0.957	0.508	0.735	0.611	3.39		
29.	2.58	2.33	3.81	1.04	1.04	0.878	0.735	0.670	0.670	0.735	0.508	0.735	0.557	3.11		
30.	2.33	2.08	3.53	0.957	0.957	0.735	5.11	0.670	0.670	0.670	0.508	0.735	0.557	3.53		
31.	1.96	1.96	3.39	1.04	1.04	0.735	0.735	0.670	0.670	0.611	0.735	0.735	0.557	3.39		
Hauptwerte	Tag	2+	4+	4+	26+	30	24+	25+	28	12	18+	25+	1+	22+	1+	
	NQ	0.878	1.96	1.85	1.73	0.957	0.804	0.557	0.611	0.611	0.508	0.508	0.508	0.557	0.611	
	MQ	2.69	2.87	8.59	2.91	1.30	0.968	0.699	0.935	0.868	0.682	0.662	0.949	0.613	3.01	
	HQ	10.9	9.42	49.0	5.11	1.73	1.41	1.62	8.26	2.45	2.33	2.45	4.52	0.878	11.6	
	Tag	16.	12.	13.	5.	1.	4.	20.	30.	1.	25.	5.	12.	2.	17.	
	h _N mm	33	36	108	33	16	12	9	11	11	9	8	12	7	38	
	h _A mm															
		1935/2010			1936/2011 76 Kalenderjahre ²											
	Jahr	1975	1959+	1963	1972	1972	1963	1954	1955	1954	1947+	1975	1975	1975	1959+	
	NQ	0.050	0.300	0.420	0.710	0.410	0.670	0.360	0.250	0.370	0.330	0.160	0.300	0.050	0.300	
MNO	1.01	1.31	1.66	1.98	1.97	1.95	1.36	1.06	0.846	0.751	0.697	0.778	1.00	1.31		
MQ	1.94	2.90	3.57	3.83	3.83	3.10	2.12	1.71	1.36	1.12	1.04	1.30	1.93	2.91		
MHQ	7.71	11.8	14.1	12.6	11.7	8.00	6.19	6.37	5.44	3.83	3.30	3.94	7.69	11.9		
HQ	47.5	43.0	59.4	46.5	47.0	55.6	42.6	50.6	57.0	28.2	24.0	27.8	47.5	43.0		
Jahr	1940	1993	1995	1946	1979	1994	2004	1981	1966	1981	2007	1941	1940	1993		
Mh _N mm	23	36	45	44	48	38	26	21	17	14	13	16	23	36		
Mh _A mm																
Dauertabelle			Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m³/s					
			Jahr		Datum		Jahr		Datum		Abflussjahr (*) 2011		Kalenderjahr 2011		1936/2011 76 Kalenderjahre ²	
					Winter		Sommer				Unterschreitungs-dauer in Tagen		Kalender-jahr		Mittlere Werte	
	NQ	m³/s	0.508	am 18.08.2011	0.804	0.508	0.508	am 18.08.2011	364	25.2	25.2	40.5	16.8	5.30		
	MQ	m³/s	2.01		3.24	0.799	1.85		363	23.3	23.3	36.0	13.7	5.15		
	HQ	m³/s	49.0	am 13.01.2011	49.0	8.26	49.0	am 13.01.2011	362	23.1	23.1	29.5	12.1	4.49		
	Nq	l/(skm²)	2.37		3.76	2.37	2.37		361	22.9	22.9	25.2	11.0	3.97		
	Mq	l/(skm²)	9.39		15.1	3.73	8.65		360	17.9	17.9	24.2	10.2	3.75		
	Hq	l/(skm²)	229		229	38.6	229		359	15.0	15.0	22.4	9.53	3.75		
	h _N	mm							358	12.5	12.5	20.9	8.94	3.63		
h _A	mm	296		237	59	273		357	11.4	11.4	20.0	8.52	3.42			
		1936/2011 (*) 76 Jahre ²				1936/2011										
NQ	m³/s	0.050	am 08.11.1975	0.050	0.160	0.050	am 08.11.1975	210	1.13	0.957	3.86	1.85	0.957			
MNO	m³/s	0.538		0.861	0.602	0.575		183	0.957	0.878	3.49	1.59	0.800			
MQ	m³/s	2.31		3.19	1.44	2.31		150	0.878	0.804	3.02	1.32	0.670			
MHQ	m³/s	27.31		25.1	11.2	26.9		130	0.804	0.735	2.92	1.16	0.560			
HQ	m³/s	59.4	am 23.01.1995	59.4	57.0	59.4	am 23.01.1995	120	0.804	0.735	2.82	1.12	0.550			
HQ ₁	m³/s							110	0.735	0.735	2.72	1.04	0.510			
HQ ₅	m³/s							100	0.735	0.670	2.63	0.990	0.480			
90								80	0.735	0.670	2.63	0.930	0.450			
80								70	0.735	0.670	2.45	0.878	0.450			
70								60	0.670	0.611	2.36	0.820	0.420			
60								50	0.670	0.611	2.27	0.770	0.380			
50								40	0.670	0.611	2.18	0.720	0.300			
40								30	0.611	0.611	2.08	0.670	0.300			
30								25	0.611	0.557	1.92	0.620	0.300			
25								20	0.557	0.557	1.84	0.600	0.230			
20								15	0.557	0.557	1.84	0.570	0.230			
15								10	0.508	0.508	1.84	0.540	0.160			
10								9	0.508	0.508	1.75	0.508	0.100			
8								8	0.508	0.508	1.75	0.490	0.100			
7								7	0.508	0.508	1.75	0.480	0.050			
6								6	0.508	0.508	1.75	0.470	0.050			
5								5	0.508	0.508	1.75	0.463	0.050			
4								4	0.508	0.508	1.75	0.450	0.050			
3								3	0.508	0.508	1.75	0.420	0.050			
2								2	0.508	0.508	1.75	0.410	0.050			
1								1	0.508	0.508	1.67	0.390	0.050			
0								0	0.508	0.508	1.67	0.360	0.050			
0								0	0.508	0.508	1.67	0.350	0.050			

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
²Vorsicht: 1.3% Lücken im Zeitraum 1936/2011
²Ausgefallenes Abflussjahr: 1945

A_{Eo} : 305.20 km²
 PNP : NN+ 216.31 m
 Lage : 10.60 km oberhalb der Mündung rechts



Pegel : Eisenach-Petersberg Nr. 429010
 Gewässer : Hörсел
 Gebiet : Werra

m³/s

	Tag	2010		2011												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	1.10	3.00	2.36	3.00	1.84	1.60	0.970	0.460	1.60	0.460	0.460	0.420	0.510	0.460	
	2.	1.10	3.00	2.36	2.81	1.76	1.45	0.970	0.460	1.24	0.420	0.460	0.380	0.510	0.510	
	3.	1.17	2.81	2.27	2.81	1.68	1.38	0.970	0.380	1.45	0.420	0.420	0.380	0.560	0.610	
	4.	1.10	2.81	2.27	2.72	1.68	2.00	0.970	0.350	1.10	0.510	0.860	0.380	0.510	0.970	
	5.	1.03	2.72	2.00	3.50	1.68	1.76	0.910	0.320	0.910	0.460	4.27	0.380	0.510	2.09	
	6.	1.24	2.72	2.90	3.72	1.60	1.60	0.810	1.03	0.760	0.380	1.45	0.560	0.510	1.84	
	7.	2.00	2.54	27.8	3.72	1.52	1.52	0.810	1.10	0.760	0.660	1.31	0.760	0.560	2.09	
	8.	2.27	2.54	40.6	3.61	1.45	1.38	0.760	1.60	1.03	0.760	1.31	0.860	0.610	2.09	
	9.	2.18	2.54	34.8	3.30	1.52	1.38	0.710	0.860	0.660	1.03	1.45	0.810	0.710	3.83	
	10.	2.00	2.36	26.3	3.20	1.52	1.31	0.710	0.560	0.610	0.860	1.17	0.810	0.760	3.40	
	11.	2.09	4.05	20.3	3.83	1.52	1.24	0.760	0.510	0.860	0.510	1.31	0.710	0.660	2.45	
	12.	3.72	17.6	17.0	3.94	1.45	1.31	0.710	0.460	0.610	0.560	1.84	2.09	0.660	2.18	
	13.	4.16	11.3	24.8	4.63	1.45	1.38	0.710	0.460	1.68	0.810	1.17	2.09	0.660	2.09	
	14.	5.61	6.20	31.1	4.50	1.52	1.24	0.660	0.460	1.68	0.910	1.03	1.24	0.710	2.63	
	15.	4.16	4.77	28.1	4.16	1.45	1.24	0.660	0.420	0.970	0.910	0.860	0.910	0.710	4.16	
	16.	17.9	4.16	22.4	3.83	1.52	1.17	0.660	0.460	0.810	0.660	0.810	0.810	0.710	7.30	
	17.	17.6	3.72	17.9	3.50	2.09	1.17	0.660	0.460	0.810	0.560	0.760	0.760	0.610	8.95	
	18.	12.0	3.72	14.7	3.20	3.20	1.10	0.610	0.510	0.970	0.460	0.810	0.810	0.560	5.19	
	19.	9.20	3.40	14.5	3.00	2.54	1.10	0.660	0.460	0.810	0.910	0.810	0.810	0.560	4.05	
	20.	6.50	3.40	12.0	2.81	2.27	1.10	1.52	0.420	0.760	1.03	0.710	0.910	0.510	3.50	
	21.	5.47	3.10	9.20	2.45	2.09	1.03	0.860	0.760	0.810	0.610	0.610	0.860	0.510	3.20	
	22.	5.90	2.90	7.70	2.36	2.00	0.970	1.03	1.10	0.860	0.610	0.560	0.760	0.560	3.10	
	23.	11.3	3.00	6.70	2.27	1.92	0.970	0.910	1.31	0.610	0.460	0.560	0.710	0.560	3.30	
	24.	14.7	3.10	6.05	2.27	1.84	0.970	0.660	0.710	0.610	0.610	0.510	0.660	0.560	4.38	
	25.	9.45	2.90	5.90	2.18	1.84	0.910	0.560	0.560	0.610	1.10	0.510	0.610	0.560	4.91	
	26.	6.35	2.90	5.47	2.09	1.76	1.03	0.560	0.510	0.560	0.660	0.460	0.660	0.560	4.38	
	27.	5.19	2.90	4.77	2.18	1.60	1.24	0.510	0.420	0.510	0.810	0.510	0.660	0.510	4.05	
	28.	4.27	2.81	4.27	2.00	1.60	1.68	0.460	0.420	0.510	0.660	0.560	0.660	0.510	3.83	
	29.	3.83	2.45	3.83	3.50	1.52	1.38	0.420	0.660	0.460	0.510	0.510	0.610	0.460	3.50	
	30.	3.40	2.45	3.50	3.83	1.52	1.38	0.380	2.36	0.560	0.510	0.460	0.610	0.460	4.27	
	31.	3.40	2.45	3.30	3.30	1.45	1.17	0.350	0.560	0.560	0.510	0.510	0.510	0.460	3.50	
Tag	5.	10.	5.	28.	8+	25.	31.	5.	29.	6.	3.	2+	29+	1.		
NQ	1.03	2.36	2.00	2.00	1.45	0.910	0.350	0.320	0.460	0.380	0.420	0.380	0.460	0.460		
MQ	5.60	3.88	13.1	3.13	1.75	1.29	0.739	0.685	0.863	0.656	0.951	0.780	0.578	3.32		
HQ	22.4	19.7	44.6	5.05	3.50	2.45	3.20	4.27	6.70	2.90	13.7	3.10	1.10	16.2		
Tag	16.	12.	8.	13.	18.	4.	22.	22.	13.	9.	4.	12.	17.	16.		
h _N mm	48	34	115	25	15	11	6	6	8	6	8	7	5	29		
h _A mm																
	1939/2010		1940/2011 72 Kalenderjahre ²													
Jahr	1991	1969	1970	1972	1972	1953	2011	1976	1976	1991	1991	1991	1991	1969		
NQ	0.240	0.400	0.340	0.600	0.600	0.760	0.350	0.310	0.210	0.220	0.160	0.200	0.240	0.400		
MNQ	1.29	1.69	1.98	2.22	2.26	2.26	1.40	1.09	0.872	0.788	0.771	0.904	1.24	1.66		
MQ	2.83	4.05	4.66	4.75	5.31	4.51	2.61	2.29	1.70	1.51	1.26	1.75	2.70	4.00		
MHQ	10.4	14.0	15.6	15.1	17.1	14.9	8.92	10.9	7.72	7.23	4.78	5.96	9.84	13.8		
HQ	64.4	65.6	50.5	72.3	60.0	113	38.2	76.0	75.7	125	43.4	33.2	64.4	65.6		
Jahr	1940	1965	1987	1946	1942	1961	2004	1961	1956	1981	2007	1986	1940	1965		
Mh _N mm	24	36	41	38	47	38	23	19	15	13	11	15	23	35		
Mh _A mm																
Hauptwerte			Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s					
			Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschreitungs- dauer in Tagen	Abfluss- jahr (*) 2011	Kalender- jahr 2011	1940/2011 72 Kalenderjahre ²		Mittlere Werte		Untere Hüllkurve
	NQ	m ³ /s	0.320	am 05.06.2011	0.910	0.320	0.320	am 05.06.2011	364	40.6	40.6	102	25.3	5.09		
	MQ	m ³ /s	2.79		4.84	0.778	2.33		363	34.8	34.8	49.5	21.6	4.59		
	HQ	m ³ /s	44.6	am 08.01.2011	44.6	13.7	44.6	am 08.01.2011	362	31.1	31.1	40.4	19.7	4.51		
	Nq	l/(skm ²)	1.05		2.98	1.05	1.05		361	28.1	28.1	39.5	18.0	4.51		
	Mq	l/(skm ²)	9.15		15.9	2.55	7.64		360	27.8	27.8	33.2	16.2	4.43		
	Hq	l/(skm ²)	146		146	44.9	146		359	26.3	26.3	33.2	15.2	4.21		
	h _N	mm							358	24.8	24.8	32.0	14.5	4.11		
	h _A	mm	289		248	41	241		357	22.4	22.4	30.8	13.8	4.09		
									356	20.3	20.3	25.2	13.1	3.95		
									350	14.7	9.20	19.4	10.5	3.68		
									340	7.70	4.77	15.1	8.20	3.20		
									330	5.47	4.05	12.9	6.82	2.60		
									320	4.16	3.61	10.8	5.80	2.11		
									300	3.40	2.81	8.62	4.63	1.88		
									270	2.54	2.00	7.16	3.54	1.58		
									240	2.00	1.52	6.46	2.83	1.26		
									210	1.52	1.17	5.70	2.28	1.10		
									183	1.24	0.970	5.20	1.90	0.880		
								150	0.970	0.810	4.66	1.50	0.700			
								130	0.860	0.710	4.22	1.32	0.600			
								120	0.810	0.660	3.94	1.22	0.520			
								110	0.760	0.660	3.94	1.15	0.450			
								100	0.710	0.610	3.76	1.09	0.420			
								90	0.660	0.610	3.58	1.00	0.360			
								80	0.660	0.560	3.47	0.940	0.330			
								70	0.610	0.560	3.40	0.860	0.300			
								60	0.560	0.510	3.26	0.810	0.300			
								50	0.510	0.510	3.15	0.750	0.270			
								40	0.510	0.510	2.98	0.670	0.240			
								30	0.460	0.460	2.84	0.600	0.220			
								25	0.460	0.460	2.70	0.560	0.220			
								20	0.420	0.420	2.56	0.490	0.200			
								15	0.420	0.420	2.56	0.450	0.200			
								9	0.380	0.380	2.56	0.420	0.200			
								8	0.380	0.380	2.56	0.410	0.200			
								7	0.380	0.380	2.56	0.400	0.200			
								6	0.380	0.380	2.56	0.390	0.200			
								5	0.380	0.380	2.56	0.380	0.200			
								4	0.380	0.380	2.56	0.350	0.180			
								3	0.380	0.380	2.56	0.330	0.180			
								2	0.350	0.350	2.56	0.300	0.160			
								1	0.350	0.350	2.56	0.270	0.160			
								0	0.320	0.320	2.56	0.160	0.160			
Extremwerte			Niedrigwasser				Hochwasser									
			m ³ /s	I/(skm ²)	Datum	m ³ /s	I/(skm ²)	cm	Datum							
	1		0.160	0.524	14.09.1991	125	410		11.08.1981							
	2		0.190	0.623	19.09.1959	113	370		29.04.1961							
	3		0.210	0.688	10.07.1976	90.4	296		13.04.1994							
	4		0.240	0.786	26.07.1995	76.0	249		10.06.1961							
	5		0.260	0.852	20.08.2003	75.7	248		15.07.1956							
	6		0.290	0.950	07.09.2005	72.3	237		08.02.1946							
	7		0.2													

A_{Eo} : 105.20 km²
PNP : NHN+ 283.06 m
Lage : 30.50 km oberhalb der Mündung rechts



m³/s

Pegel : Teutleben Nr. 429050
Gewässer : Hörsel
Gebiet : Werra

Tag	2010		Jan	Feb	Mrz	Apr	Mai	Jun	2011					
	Nov	Dez							Jul	Aug	Sep	Okt	Nov	Dez
1.	0.500	R 1.20	R 1.12	0.913	0.501	0.385	0.318	0.260	K 0.501	K 0.174	K 0.212	K 0.192	K 0.235	K 0.235
2.	0.500	R 1.20	R 0.913	0.853	0.501	0.385	0.318	0.235	K 0.351	K 0.192	K 0.235	K 0.192	K 0.235	K 0.235
3.	0.650	R 1.28	R 0.913	0.853	0.501	0.385	0.318	0.212	K 0.501	K 0.192	K 0.212	K 0.192	K 0.235	K 0.318
4.	0.550	R 1.20	R 0.913	0.853	0.460	0.688	0.351	0.192	K 0.318	K 0.235	K 0.288	K 0.212	K 0.235	K 0.460
5.	0.500	R 1.12	0.740	1.25	0.460	0.544	0.318	0.192	K 0.288	K 0.212	K 1.47	K 0.174	K 0.235	K 0.913
6.	0.600	R 1.20	1.33	1.25	0.460	0.460	0.318	0.544	K 0.260	K 0.212	K 0.422	K 0.288	K 0.235	K 0.794
7.	0.920	R 1.12	18.5	1.25	0.422	0.422	0.318	0.590	K 0.288	K 0.288	K 0.460	K 0.288	K 0.235	K 0.973
8.	1.04	R 1.04	27.7	1.25	0.422	0.422	0.318	0.853	K 0.351	K 0.318	K 0.422	K 0.460	K 0.318	K 0.853
9.	1.12	R 1.12	14.5	1.11	0.422	0.385	0.260	0.351	K 0.235	K 0.385	K 0.460	K 0.385	K 0.422	K 2.48
10.	1.04	R 1.12	8.46	1.04	0.422	0.385	0.288	0.260	K 0.235	K 0.288	K 0.351	K 0.385	K 0.422	K 1.61
11.	1.12	R 2.50	5.50	1.33	0.422	0.385	0.288	0.260	K 0.318	K 0.212	K 0.422	K 0.318	K 0.351	K 1.25
12.	2.50	R 9.00	4.15	1.40	0.422	0.422	0.260	0.212	K 0.260	K 0.235	K 0.544	K 0.794	K 0.351	K 0.973
13.	3.00	R 4.78	7.39	1.61	0.422	0.422	0.260	0.212	K 0.422	K 0.260	K 0.318	K 0.688	K 0.385	K 0.913
14.	3.40	R 3.00	10.3	1.54	0.460	0.351	0.260	0.212	K 0.501	K 0.351	K 0.260	K 0.351	K 0.460	K 1.54
15.	2.40	R 2.30	8.79	1.33	0.422	0.351	0.260	0.212	K 0.260	K 0.318	K 0.260	K 0.235	K 0.460	K 1.95
16.	10.2	R 2.03	6.44	1.18	0.422	0.351	0.260	0.212	K 0.235	K 0.212	K 0.235	K 0.212	K 0.422	K 3.52
17.	7.60	R 1.68	4.82	1.11	0.638	0.318	0.260	0.212	K 0.235	K 0.212	K 0.235	K 0.260	K 0.288	K 3.64
18.	5.02	R 1.85	3.77	0.973	1.11	0.318	0.288	K 0.235	K 0.260	K 0.212	K 0.235	K 0.260	K 0.288	K 2.21
19.	3.95	R 1.68	4.02	0.853	0.740	0.318	0.351	K 0.192	K 0.235	K 0.501	K 0.235	K 0.235	K 0.288	K 1.70
20.	3.00	R 1.68	3.29	0.794	0.638	0.351	0.422	K 0.192	K 0.288	K 0.318	K 0.235	K 0.351	K 0.260	K 1.47
21.	2.60	R 1.44	2.67	R 0.638	0.590	0.351	0.288	K 0.318	K 0.260	K 0.212	K 0.212	K 0.351	K 0.260	1.25
22.	2.80	R 1.36	2.30	R 0.638	0.590	0.288	0.288	K 0.385	K 0.235	K 0.212	K 0.235	K 0.288	K 0.288	1.11
23.	5.26	R 1.36	2.03	R 0.544	0.638	0.288	0.318	K 0.460	K 0.192	K 0.192	K 0.235	K 0.260	K 0.288	1.04
24.	6.13	R 1.44	1.86	0.590	0.590	0.288	0.260	K 0.260	K 0.174	K 0.288	K 0.212	K 0.260	K 0.288	1.47
25.	3.84	R 1.44	1.78	0.590	0.544	0.288	0.260	K 0.235	K 0.192	K 0.422	K 0.212	K 0.235	K 0.288	1.70
26.	2.90	R 1.28	1.70	0.590	0.501	0.318	0.212	K 0.212	K 0.174	K 0.235	K 0.212	K 0.318	K 0.288	1.47
27.	2.30	R 1.28	1.47	0.590	0.422	0.351	0.212	K 0.212	K 0.192	K 0.288	K 0.212	K 0.318	K 0.260	1.40
28.	1.94	R 0.980	1.33	0.544	0.460	0.501	0.212	K 0.235	K 0.174	K 0.212	K 0.260	K 0.351	K 0.235	1.33
29.	1.68	R 0.980	1.18		0.385	0.385	0.212	K 0.212	K 0.192	K 0.212	K 0.212	K 0.318	K 0.235	1.18
30.	1.52	R 1.04	1.04		0.385	0.385	0.192	K 0.192	K 0.212	K 0.212	K 0.212	K 0.260	K 0.235	1.61
31.		R 1.12	0.973		0.351		0.212		K 0.212	K 0.212		K 0.235		1.18
Tag	1.+	28+	5.	23+	31.	22+	30.	4+	24+	1.	1+	5.	1+	1+
NQ	0.500	0.980	0.740	0.544	0.351	0.288	0.192	0.192	0.174	0.174	0.212	0.174	0.235	0.235
MQ	2.69	1.80	4.90	0.981	0.507	0.383	0.281	0.305	0.276	0.259	0.324	0.312	0.301	1.38
HQ	13.6	10.2	30.3	1.86	1.33	0.853	1.33	2.96	1.70	2.12	5.22	1.18	0.460	6.85
Tag	16.	12.	8.	13.	18.	4.	19.	6.	13.	19.	5.	12.	15.	16.
h _N mm	66	46	125	23	13	9	7	8	7	7	8	8	7	35
h _A mm														
	1963/2010		1964/2011						48 Kalenderjahre					
Jahr	1997	1969	1970	1972+	1972	1972	2000	1964	1976	1976	1966	1964	1997	1969
NQ	0.090	0.180	0.180	0.240	0.240	0.240	0.160	0.120	0.110	0.110	0.050	0.050	0.090	0.180
MNQ	0.434	0.637	0.651	0.724	0.800	0.791	0.495	0.359	0.297	0.263	0.260	0.326	0.425	0.630
MQ	1.03	1.73	1.71	1.62	1.96	1.64	0.946	0.714	0.507	0.543	0.439	0.692	1.01	1.74
MHQ	4.63	7.90	8.31	6.60	8.13	7.40	4.24	4.71	2.99	4.96	2.14	2.92	4.53	8.01
HQ	26.2	39.6	30.3	43.0	29.1	66.2	26.8	39.4	21.2	78.8	24.4	29.5	26.2	39.6
Jahr	1998	1965	2011	1984	1979	1994	2004	1975	1966	1981	2007	1986	1998	1965
Mh _N mm	25	44	44	38	50	40	24	18	13	14	11	18	25	44
Mh _A mm														
	Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s					
	Jahr		Datum		Winter		Sommer		Jahr		Datum		Unterschrittene Abflüsse m ³ /s	
													1964/2011 48 Kalenderjahre	
													Obere Hüllkurve	
													Mittlere Werte	
													Untere Hüllkurve	
NQ	m ³ /s		0.174 am 24.07.2011		0.288		0.174		0.174 am 24.07.2011		364		27.7	
MQ	m ³ /s		1.09		1.89		0.293		0.855		363		18.5	
HQ	m ³ /s		30.3 am 08.01.2011		30.3		5.22		30.3 am 08.01.2011		362		14.5	
Nq	l/(skm ²)		1.65		2.74		1.65		1.65		361		10.3	
Mq	l/(skm ²)		10.3		18.0		2.78		8.13		360		10.2	
Hq	l/(skm ²)		288		288		49.6		288		359		9.00	
h _N mm					282		44		256		358		8.79	
h _A mm	326										357		8.46	
	1964/2011 (*) 48 Jahre				1964/2011				Dauertabelle					
NQ	m ³ /s		0.050 am 17.10.1964		0.090		0.050		0.050 am 17.10.1964		210		0.460	
MNQ	m ³ /s		0.191		0.318		0.224		0.208		183		0.385	
MQ	m ³ /s		1.13		1.62		0.641		1.12		150		0.318	
MHQ	m ³ /s		23.0		19.1		10.9		22.8		130		0.288	
HQ	m ³ /s		78.8 am 11.08.1981		66.2		78.8		78.8 am 11.08.1981		120		0.288	
HQ ₁	m ³ /s										110		0.260	
HQ ₅	m ³ /s										100		0.260	
MNq	l/(skm ²)		1.82		3.03		2.13		1.98		90		0.260	
Mq	l/(skm ²)		10.7		15.4		6.09		10.7		80		0.235	
MHq	l/(skm ²)		219		182		103		217		70		0.235	
Mh _N mm	338				241		97		337		60		0.235	
Mh _A mm											50		0.212	
											40		0.212	
											30		0.212	
											25		0.212	
											20		0.212	
											15		0.192	
											10		0.192	
											9		0.192	
											8		0.192	
											7		0.192	
											6		0.192	
											5		0.192	
											4		0.174	
											3		0.174	
											2		0.174	
											1		0.174	
											0		0.174	

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10. 37 Tage Randeis, 186 Tage Verkrautung

A_{Eo} : 426.10 km²
PNP : NHH+ 215.20 m
Lage : 0.30 km oberhalb der Mündung links



m³/s

Pegel : Eisenach-Nessemühle Nr. 429600
Gewässer : Nesse
Gebiet : Werra

	Tag	2010		2011												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	2.86	4.50	4.09	5.32	3.81	3.40	3.08	2.37	2.66	2.09	1.91	2.09	1.91	1.64	
	2.	2.86	4.37	4.09	5.15	3.81	3.40	3.08	2.37	2.66	2.09	1.91	2.00	1.91	1.64	
	3.	2.76	4.23	4.09	4.99	3.68	3.40	3.08	2.27	2.86	2.00	1.82	2.00	2.00	1.73	
	4.	2.56	4.09	4.09	4.83	3.68	3.95	3.08	2.27	2.46	2.09	2.00	1.82	2.00	1.91	
	5.	2.56	4.09	3.95	4.99	3.68	3.81	2.97	2.27	2.27	2.00	3.08	1.82	2.00	2.46	
	6.	2.56	4.09	4.50	5.15	3.68	3.40	2.97	2.46	2.18	2.00	2.18	2.00	1.91	2.18	
	7.	3.40	3.95	23.9	4.99	3.55	3.40	2.86	2.46	2.27	2.09	2.09	2.09	1.91	2.18	
	8.	3.40	3.95	36.6	4.83	3.55	3.40	2.86	3.08	2.56	2.00	2.18	2.27	1.91	2.18	
	9.	3.20	3.81	39.0	4.50	3.55	3.30	2.86	2.46	2.27	2.09	2.09	2.09	1.91	2.56	
	10.	2.97	3.95	30.6	4.60	3.55	3.30	2.76	2.46	2.37	2.09	2.18	2.09	1.82	2.46	
	11.	2.97	5.65	20.8	4.83	3.55	3.30	2.76	2.27	2.37	2.00	2.27	2.00	1.73	2.09	
	12.	3.30	18.0	15.1	4.83	3.55	3.40	2.76	2.27	2.18	2.00	2.56	2.46	1.73	2.18	
	13.	4.09	13.7	21.1	5.32	3.55	3.40	2.66	2.18	2.56	2.18	2.09	2.76	1.64	2.18	
	14.	4.83	9.46	23.7	5.48	3.55	3.40	2.56	2.27	2.86	2.37	2.00	2.18	1.64	2.27	
	15.	3.95	7.29	18.0	4.83	3.55	3.30	2.56	2.27	2.27	2.27	2.00	2.18	1.64	2.76	
	16.	10.5	6.54	13.9	4.60	3.55	3.30	K 2.66	2.18	2.27	2.09	2.00	2.09	1.73	3.08	
	17.	10.5	6.18	11.8	4.50	3.81	3.30	K 2.66	2.27	2.27	2.00	1.91	2.00	1.64	3.30	
	18.	7.87	5.65	10.7	4.23	4.50	3.30	K 2.66	2.37	2.27	2.00	1.91	2.00	1.73	2.86	
	19.	6.91	5.32	11.1	4.09	4.09	3.20	K 2.56	2.18	2.27	2.00	1.91	2.00	1.73	2.56	
	20.	6.00	5.32	10.3	3.95	3.81	3.20	K 2.76	2.18	2.37	2.27	2.00	2.00	1.73	2.56	
	21.	5.48	4.99	8.66	3.81	3.81	3.20	K 2.56	2.27	2.27	2.00	2.00	1.91	1.73	2.46	
	22.	5.83	4.99	8.07	3.68	3.68	3.20	K 2.56	2.56	2.27	2.00	2.00	2.00	1.82	2.56	
	23.	10.3	4.99	7.67	3.68	3.55	3.08	K 2.56	2.86	2.18	1.91	1.91	2.00	1.73	2.56	
	24.	13.7	4.83	7.29	3.81	3.55	3.08	K 2.37	2.27	2.09	2.09	1.91	2.00	1.73	2.66	
	25.	10.7	4.50	7.29	3.81	3.55	3.08	K 2.46	2.18	2.18	2.37	1.91	2.00	1.73	2.66	
	26.	9.46	4.37	7.48	3.81	3.55	3.08	K 2.46	2.18	2.18	2.09	1.91	1.91	1.73	2.86	
	27.	8.26	4.37	6.91	3.95	3.40	3.40	K 2.37	2.18	2.09	2.09	1.91	2.00	1.73	2.46	
	28.	7.29	4.23	6.36	3.81	3.30	3.55	K 2.37	2.18	2.09	2.09	2.00	2.00	1.64	2.46	
	29.	6.54	4.09	6.00	3.30	3.30	3.40	K 2.37	2.46	2.09	2.00	2.09	2.00	1.64	2.37	
	30.	4.83	4.09	5.83	3.30	3.30	3.30	K 2.37	3.40	2.09	1.91	2.09	2.00	1.64	2.86	
	31.		4.09	5.65	3.30	3.30		K 2.37		2.27	1.91		1.91		2.97	
Hauptwerte	Tag	4.+	9.	5.	22.+	28.+	23.+	24.+	13.+	10.+	23.+	3.	4.+	13.+	1.+	
	NQ	2.56	3.81	3.95	3.68	3.30	3.08	2.37	2.18	2.09	1.91	1.82	1.82	1.64	1.64	
	MQ	5.75	5.60	12.5	4.51	3.62	3.34	2.68	2.38	2.32	2.07	2.06	2.06	1.78	2.44	
	HQ	14.6	20.4	45.8	7.29	4.83	4.37	3.40	4.37	3.68	2.66	3.68	3.40	2.18	4.50	
	Tag	24.	12.	9.	5.	18.	4.	1.	30.	3.	14.	5.	13.	1.	17.	
	h _N mm	35	35	79	26	23	20	17	14	15	13	13	13	11	15	
	h _A mm															
			1939/2010		1940/2011 72 Kalenderjahre ²											
	Jahr	1976	1988	1977	1963	1963	1989+	1989	1985	1981	1964	1964	1991	1976	1988	
	NQ	0.530	0.490	0.780	0.130	0.650	1.24	1.01	0.960	0.880	0.600	0.430	0.490	0.530	0.490	
MNQ	1.88	2.12	2.31	2.52	2.73	2.92	2.48	2.14	1.85	1.88	1.75	1.77	1.85	2.09		
MQ	2.79	3.38	3.69	3.85	4.37	3.99	3.40	2.97	2.59	2.46	2.21	2.31	2.72	3.33		
MHQ	7.96	10.7	11.3	11.0	13.8	11.8	9.36	9.56	7.54	7.20	5.17	5.59	7.32	10.5		
HQ	46.8	56.7	55.3	38.2	57.6	120	70.4	100	60.0	90.2	40.4	28.4	30.2	56.7		
Jahr	1939	2002	1982	1966	1956	1994	1978	1958	1956	1981	2007	1966	1984	2002		
Mh _N mm	17	21	23	22	27	24	21	18	16	15	13	15	17	21		
Mh _A mm																
Hauptwerte			Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s					
			Jahr	Datum	Winter	Sommer	Jahr	Datum	Abflussjahr (*) 2011		Kalenderjahr 2011		1940/2011 72 Kalenderjahre ²		Untere Hüllkurve	
	NQ	m ³ /s	1.82	am 03.09.2011	2.56	1.82	1.64	am 13.11.2011	364	39.0	39.0	70.8	20.5	5.24		
	MQ	m ³ /s	4.08		5.93	2.26	3.49		363	36.6	36.6	56.6	15.5	4.89		
	HQ	m ³ /s	45.8	am 09.01.2011	45.8	4.37	45.8	am 09.01.2011	362	30.6	30.6	37.1	13.4	4.89		
	Nq	l/(skm ²)	4.27		6.01	4.27	3.85		361	23.9	23.9	31.8	12.0	4.56		
	Mq	l/(skm ²)	9.58		13.9	5.30	8.18		360	23.7	23.7	25.9	10.9	4.23		
	Hq	l/(skm ²)	107		107	10.3	107		359	21.1	21.1	24.4	10.2	4.23		
	h _N	mm							358	20.8	20.8	23.4	9.56	3.68		
	h _A	mm	302		218	84	258		357	18.0	18.0	21.7	9.03	3.68		
		1940/2011 (*) 72 Jahre ²				1940/2011				Dauertabelle						
NQ	m ³ /s	0.130	am 26.02.1963	0.130	0.430	0.130	am 26.02.1963	270	4.09	3.40	6.08	3.51	1.91			
MNQ	m ³ /s	1.31		1.69	1.47	1.36		240	3.55	3.08	5.38	3.14	1.77			
MQ	m ³ /s	3.17		3.68	2.66	3.15		210	3.30	2.66	4.75	2.80	1.58			
MHQ	m ³ /s	30.1		25.5	17.1	29.8		183	2.97	2.46	4.56	2.55	1.50			
HQ	m ³ /s	120	am 13.04.1994	120	100	120	am 13.04.1994	150	2.56	2.27	4.23	2.33	1.24			
HQ ₁	m ³ /s							130	2.37	2.18	4.12	2.19	1.12			
HQ ₅	m ³ /s							120	2.27	2.18	4.12	2.16	1.01			
MNq	l/(skm ²)	3.07		3.96	3.44	3.20		100	2.27	2.09	4.01	2.09	0.910			
Mq	l/(skm ²)	7.43		8.64	6.24	7.40		90	2.18	2.09	4.01	2.05	0.910			
Mhq	l/(skm ²)	70.7		59.9	40.1	70.0		80	2.18	2.09	4.01	2.00	0.810			
Mh _N	mm	234		135	99	234		70	2.09	2.00	3.90	1.91	0.810			
Mh _A	mm							60	2.09	2.00	3.79	1.88	0.810			
		Niedrigwasser				Hochwasser										
1	m ³ /s	0.130	0.305	26.02.1963	120	282	13.04.1994	50	2.00	1.91	3.68	1.72	0.720			
2	l/(skm ²)	1.01	2.31	23.09.1964	100	235	04.06.1958	40	2.00	1.91	3.57	1.63	0.560			
3	Datum	1.15	27.09.1991	90.2	212	11.08.1981	7	25	2.00	1.91	3.46	1.50	0.560			
4	m ³ /s	1.15	16.09.1989	87.0	204	29.04.1961	6	20	1.91	1.64	3.13	1.07	0.490			
5	m ³ /s	1.15	02.12.1988	70.4	165	23.05.1978	5	15	1.91	1.64	3.13	1.04	0.490			
6	m ³ /s	1.24	01.11.1976	60.0	141	15.07.1956	4	10	1.91	1.64	3.02	0.970	0.490			
7	m ³ /s	1.55	07.10.1959	57.6	135	04.03.1956	3	5	1.91	1.64	3.02	0.840	0.490			
8	m ³ /s	1.69	15.10.1992	56.7	133	31.12.2002	2	4	1.82	1.64	2.91	0.810	0.240			
9	m ³ /s	1.76	10.11.1963	55.8	131	18.03.1942	1	3	1.82	1.64	2.91	0.640	0.150			
10	m ³ /s	1.88	17.12.1983	55.3	130	02.01.1982	0	2	1.82	1.64	2.91	0.130	0.130			

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
Saisonal schwankend durch geologisch bedingten Übertritt von Wasser aus dem Hørselgebiet. Rückstau einfluss von Nesse und Hørsel, HQ-Korrektur nach hydraulischer Berechnung.
16 Tage Verkrautung
²Vorsicht: 4.2% Lücken im Zeitraum 1940/2011
²Ausgefallene Abflussjahre: 1945, 1946, 1947

A_{Eo} : 275.00 km²
 PNP : NHN+ 196.28 m
 Lage : 247.10 km oberhalb der Mündung links



m³/s

Pegel : Arenshausen Nr. 447000
 Gewässer : Leine
 Gebiet : Leine

Tag	2010		2011												
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
1.	0.950	3.08	1.91	3.65	2.05	K 1.25	K 1.15	K 0.950	K 0.790	K 0.860	K 0.550	K 0.550	K 0.720	0.600	
2.	0.860	2.90	1.91	3.44	1.91	K 1.25	K 1.15	K 0.790	K 0.720	K 0.720	K 0.550	K 0.550	K 0.720	0.650	
3.	0.860	2.73	1.77	3.26	1.91	K 1.25	K 0.950	K 0.790	K 0.790	K 0.720	K 0.550	K 0.550	K 0.720	0.650	
4.	0.950	2.56	1.77	3.08	1.91	K 2.05	K 1.05	K 0.790	K 0.720	K 0.720	K 0.550	K 0.550	K 0.720	0.860	
5.	0.950	2.56	1.77	3.08	1.77	K 1.49	K 1.05	K 0.720	K 0.720	K 0.720	K 0.650	K 0.550	K 0.720	0.860	
6.	1.25	2.39	2.05	2.90	1.77	K 1.37	K 1.05	K 0.950	K 0.650	K 0.720	K 0.550	K 0.600	K 0.650	0.720	
7.	1.25	2.05	8.65	2.73	1.77	K 1.37	K 0.950	K 0.790	K 0.650	K 0.720	K 0.650	K 0.600	K 0.650	0.790	
8.	1.25	1.91	18.5	2.73	1.77	K 1.37	K 0.950	K 0.860	K 0.650	K 0.950	K 0.550	K 0.650	K 0.650	0.790	
9.	1.05	1.77	24.2	2.56	1.77	K 1.37	K 0.950	K 0.720	K 0.650	K 0.860	K 0.600	K 0.550	K 0.650	0.950	
10.	0.950	1.63	15.5	2.39	1.77	K 1.37	K 0.950	K 0.650	K 0.650	K 0.790	K 0.510	K 0.650	K 0.600	0.790	
11.	0.950	3.44	12.8	2.73	1.77	K 1.37	K 1.05	K 0.720	K 0.650	K 0.720	K 2.22	K 0.650	K 0.600	0.790	
12.	1.15	9.30	11.0	2.73	1.77	K 1.49	K 1.05	K 0.720	K 0.650	K 0.720	K 1.63	K 1.49	K 0.600	0.790	
13.	2.73	5.50	16.4	3.44	1.63	K 1.37	K 1.05	K 0.720	K 0.720	K 0.860	K 0.950	K 0.860	K 0.600	0.720	
14.	3.08	4.45	16.4	3.26	1.49	K 1.37	K 1.05	K 0.720	K 0.650	K 0.720	K 0.860	K 0.720	K 0.600	0.860	
15.	2.22	4.25	13.7	3.08	1.49	K 1.25	K 1.05	K 0.720	K 0.650	K 0.720	K 0.790	K 0.650	K 0.600	0.860	
16.	2.90	4.05	11.4	3.08	1.49	K 1.25	K 1.15	K 0.720	K 0.650	K 0.720	K 0.720	K 0.600	K 0.600	1.91	
17.	2.73	3.85	9.75	3.08	1.63	K 1.15	K 1.05	K 0.720	K 0.650	K 0.650	K 0.720	K 0.600	K 0.600	2.22	
18.	2.56	3.44	8.65	3.08	1.63	K 1.15	K 0.860	K 0.720	K 0.650	K 0.650	K 0.720	K 0.600	K 0.600	1.63	
19.	2.39	3.26	8.85	2.90	1.49	K 1.05	K 0.950	K 0.720	K 0.650	K 1.05	K 0.720	K 0.600	K 0.600	1.63	
20.	2.39	2.90	7.85	2.90	1.49	K 1.05	K 0.790	K 0.720	K 1.25	K 0.720	K 0.720	K 0.600	K 0.600	1.49	
21.	2.22	2.56	6.85	2.73	1.37	K 0.950	K 0.950	K 0.720	K 1.05	K 0.650	K 0.720	K 0.600	K 0.600	1.63	
22.	2.05	2.39	6.30	2.39	1.25	K 0.950	K 0.790	K 0.860	K 0.860	K 0.600	K 0.650	K 0.600	K 0.600	1.63	
23.	4.90	2.39	6.10	2.39	1.25	K 0.950	K 0.790	K 0.790	K 0.790	K 0.550	K 0.600	K 0.600	K 0.600	1.63	
24.	7.25	2.05	5.70	2.39	1.25	K 0.950	K 0.650	K 0.720	K 0.790	K 0.600	K 0.600	K 0.600	K 0.600	2.05	
25.	5.50	1.91	5.70	2.22	1.25	K 0.950	K 0.650	K 0.720	K 0.860	K 0.790	K 0.600	K 0.550	K 0.600	2.05	
26.	4.70	1.77	5.70	2.05	1.37	K 1.05	K 0.650	K 0.720	K 0.790	K 0.600	K 0.600	K 0.550	K 0.600	1.77	
27.	4.25	1.77	5.10	2.39	1.25	K 1.15	K 0.650	K 0.720	K 0.860	K 1.05	K 0.600	K 0.550	K 0.600	1.63	
28.	3.85	1.63	4.70	2.05	1.25	K 1.37	K 0.650	K 0.720	K 0.790	K 0.650	K 0.600	K 0.510	K 0.600	1.63	
29.	3.65	1.49	4.25	2.39	1.25	K 1.15	K 0.650	K 0.720	K 0.790	K 0.600	K 0.600	K 0.510	K 0.600	1.49	
30.	3.26	1.49	4.05	1.49	1.25	K 1.15	K 0.650	K 1.77	K 0.790	K 0.600	K 0.550	K 0.510	K 0.600	2.73	
31.		1.49	3.65		1.25		K 0.950		K 0.790	K 0.550	K 0.510			2.22	
Tag	2.+	29.+	3.+	26.+	22.+	21.+	24.+	10.	6.+	23.+	10.	28.+	10.+	1.	
NQ	0.860	1.49	1.77	2.05	1.25	0.950	0.650	0.650	0.650	0.550	0.510	0.510	0.600	0.600	
MQ	2.50	2.87	8.16	2.81	1.56	1.24	0.912	0.789	0.752	0.727	0.729	0.621	0.627	1.32	
HQ	8.65	11.0	29.5	3.85	2.39	2.90	4.25	7.05	3.44	3.65	16.4	2.39	0.720	4.05	
Tag	13.	12.	9.	13.	11.	4.	21.	30.	20.	8.	11.	12.	1.	16.	
h _N mm	24	28	79	25	15	9	7	7	7	7	6	6	13		
h _A mm															
	1959/2010		1960/2011 52 Kalenderjahre												
Jahr	1959	1959	1977	1996	1963	1991+	1993	2011	1990+	1990+	2010	1991	1980	1976	
NQ	0.400	0.400	0.600	0.880	0.940	0.950	0.520	0.650	0.650	0.550	0.260	0.370	0.470	0.450	
MNQ	1.19	1.53	1.76	2.13	2.33	2.55	1.92	1.48	1.14	0.985	0.921	0.987	1.19	1.53	
MQ	1.98	2.99	3.55	3.80	4.18	3.78	2.79	2.52	1.67	1.36	1.29	1.49	1.99	3.00	
MHQ	5.83	10.3	11.4	11.3	10.9	8.47	7.83	12.0	5.58	4.92	5.15	4.05	5.81	10.3	
HQ	30.1	50.5	46.6	36.0	36.0	41.0	29.0	92.8	21.0	33.3	30.7	16.9	30.1	50.5	
Jahr	1998	1986	1987	1970	1987	1983	1984	1981	1972	1981	1986	1986	1998	1986	
Mh _N mm	19	29	35	34	41	36	27	24	16	13	12	14	19	29	
Mh _A mm															
	Abflussjahr (*) 2011				Kalenderjahr 2011				Unterschrittene Abflüsse m ³ /s						
	Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschnittungs- dauer in Tagen	Abfluss- jahr (*) 2011	Kalender- jahr 2011	1960/2011 52 Kalenderjahre					
										Oberer Hüllkurve	Mittlere Werte	Untere Hüllkurve			
NQ	m ³ /s	0.510 am 10.09.2011	0.860	0.510	0.510 am 10.09.2011	364	24.2	24.2	60.8	17.4	4.40				
MQ	m ³ /s	1.97	3.21	0.755	1.69	363	18.5	18.5	32.6	14.3	4.19				
HQ	m ³ /s	29.5 am 09.01.2011	29.5	16.4	29.5 am 09.01.2011	362	16.4	16.4	32.6	12.6	4.19				
Nq	l/(skm ²)	1.85	3.13	1.85	1.85	361	16.4	16.4	30.0	11.7	3.95				
Mq	l/(skm ²)	7.17	11.7	2.75	6.14	360	15.5	15.5	28.2	10.3	3.13				
Hq	l/(skm ²)	107	107	59.6	107	359	13.7	13.7	26.4	11.0	3.13				
h _N mm						358	12.8	12.8	23.8	9.70	2.74				
h _A mm	226		183	44	194	357	11.4	11.4	22.6	9.25	2.74				
						356	11.0	11.0	21.8	8.90	2.55				
						350	7.85	6.85	18.2	7.25	2.55				
						340	5.10	3.65	13.6	5.90	2.37				
						330	3.85	3.08	11.6	5.19	2.19				
						320	3.26	2.73	9.51	4.64	2.03				
						300	2.73	1.91	7.19	3.86	1.82				
						270	2.05	1.49	5.74	3.07	1.49				
						240	1.49	1.25	4.88	2.56	1.25				
						210	1.25	0.950	4.61	2.20	0.950				
						183	1.05	0.860	3.63	1.90	0.860				
						150	0.860	0.720	3.20	1.57	0.720				
						130	0.790	0.720	3.00	1.41	0.720				
						120	0.720	0.720	3.00	1.34	0.720				
						110	0.720	0.720	3.00	1.28	0.720				
						100	0.720	0.650	2.81	1.20	0.650				
						90	0.720	0.650	2.81	1.18	0.650				
						80	0.720	0.650	2.62	1.10	0.650				
						70	0.650	0.650	2.62	1.06	0.650				
						60	0.650	0.600	2.44	1.00	0.600				
						50	0.650	0.600	2.44	0.950	0.600				
						40	0.600	0.600	2.26	0.940	0.580				
						30	0.600	0.600	2.26	0.860	0.520				
						25	0.600	0.600	2.26	0.830	0.520				
						20	0.550	0.550	2.09	0.790	0.520				
						15	0.550	0.550	2.09	0.700	0.520				
						10	0.550	0.550	2.09	0.680	0.460				
						9	0.550	0.550	2.09	0.650	0.460				
						8	0.550	0.550	2.09	0.650	0.460				
						7	0.550	0.550	2.09	0.650	0.460				