

A<sub>Eo</sub> : 2246.00 km<sup>2</sup>  
 PNP : NN+ 222.72 m  
 Lage : 164.80 km oberhalb der Mündung links



m<sup>3</sup>/s

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

	Tag	2008		2009												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
Tageswerte	1.	15.3	12.9	23.2	10.3	66.4	66.4	21.1	12.6	9.38	10.9	6.75	7.82	8.43	34.1	
	2.	13.9	14.2	21.5	9.69	71.2	62.7	18.3	11.9	9.38	10.6	7.53	7.82	9.38	34.9	
	3.	12.9	15.3	20.1	9.69	73.6	61.3	17.3	11.2	9.69	10.6	7.82	7.26	14.2	29.9	
	4.	12.6	15.3	19.0	9.38	73.6	62.3	17.3	11.2	11.5	10.0	10.3	7.26	19.7	28.1	
	5.	12.2	20.4	18.0	9.38	72.2	64.6	16.6	10.9	10.0	9.06	11.5	7.53	31.0	28.8	
	6.	11.5	36.9	16.0	9.38	75.1	66.4	19.0	11.9	10.3	9.06	11.2	10.0	26.0	30.3	
	7.	11.2	44.8	R14.9	10.0	76.6	67.4	19.4	12.2	12.2	8.74	9.06	12.9	23.2	35.3	
	8.	10.6	39.0	R14.6	10.9	80.7	65.0	18.3	11.5	10.9	8.74	8.43	11.2	21.5	36.5	
	9.	10.3	33.3	R14.2	9.69	83.8	62.3	20.1	11.2	11.5	9.06	7.82	10.0	21.1	39.9	
	10.	10.6	29.9	R13.9	15.6	79.6	55.8	22.9	12.2	10.6	9.38	7.53	9.69	25.7	39.9	
	11.	10.3	27.4	R13.9	36.5	79.6	49.8	22.2	13.2	10.9	10.0	7.26	10.6	22.2	62.3	
	12.	9.69	25.0	R13.6	20.4	80.2	43.9	28.1	14.2	12.6	9.06	7.00	14.6	20.1	63.6	
	13.	9.38	22.9	R13.6	15.6	85.4	39.5	21.5	11.5	10.9	10.3	7.26	17.0	18.7	66.4	
	14.	9.06	21.1	R13.6	13.9	88.7	36.1	19.7	10.3	10.6	9.06	9.69	13.6	17.6	66.0	
	15.	8.74	20.1	R13.2	12.2	91.4	32.9	18.3	13.9	11.2	8.12	18.3	12.2	17.0	61.3	
	16.	8.74	18.7	R13.2	11.9	89.2	29.9	28.1	31.0	9.69	7.53	16.0	12.2	16.6	54.0	
	17.	8.74	17.6	R13.2	15.3	87.6	31.0	23.6	27.4	9.06	7.82	11.5	18.7	23.2	46.2	
	18.	8.12	17.0	12.9	14.9	86.0	42.1	24.3	18.3	11.5	7.53	9.69	20.8	31.4	39.9	
	19.	8.43	16.6	13.9	12.6	81.7	41.7	21.8	15.3	11.9	7.26	8.74	17.6	26.7	34.9	
	20.	8.74	18.3	17.0	12.6	76.6	34.9	19.7	13.6	12.6	7.00	8.43	17.0	23.9	31.4	
	21.	16.3	29.9	15.6	13.2	70.7	31.4	20.8	13.6	11.5	8.74	9.06	16.3	22.9	30.3	
	22.	27.1	33.3	12.2	16.3	64.1	28.8	23.2	13.6	12.6	9.38	9.06	15.3	21.5	29.2	
	23.	19.7	43.9	11.9	30.3	58.6	27.1	19.0	12.9	12.2	8.12	7.82	14.9	20.4	35.7	
	24.	16.6	45.7	27.8	42.6	56.7	25.7	17.3	11.2	25.7	7.82	8.12	13.9	26.7	34.5	
	25.	16.0	45.3	23.2	34.1	54.4	23.9	16.6	10.9	22.9	7.53	7.53	13.2	32.1	39.0	
	26.	14.6	43.5	16.0	30.3	52.6	22.5	15.6	10.6	18.7	7.53	7.53	13.2	29.5	48.0	
	27.	13.9	39.5	13.9	46.6	57.7	21.5	15.3	10.3	15.6	7.53	7.26	12.9	29.2	39.5	
	28.	13.9	35.3	12.2	62.3	63.2	20.4	14.2	10.6	14.2	7.26	7.26	12.2	27.8	34.9	
	29.	13.9	31.4	11.9	65.5	65.5	20.1	14.6	10.0	13.2	7.00	7.26	10.9	27.4	32.9	
	30.	13.2	27.8	10.9	66.9	66.9	21.1	13.2	9.38	12.2	7.26	7.53	9.69	26.4	37.3	
	31.	13.2	25.3	10.6	67.4	67.4		12.6	11.5	11.5	7.26		8.74		57.2	
Tag	18.	1.	31.	4.+	26.	29.	31.	30.	17.	20.+	1.	3.+	1.	4.		
NQ	8.12	12.9	10.6	9.38	52.6	20.1	12.6	9.38	9.06	7.00	6.75	7.26	8.43	28.1		
MQ	12.5	28.0	15.5	19.5	73.5	42.0	19.4	13.3	12.5	8.56	9.01	12.5	22.7	41.4		
HQ	29.5	46.2	31.4	66.0	92.4	67.9	31.8	37.8	31.4	15.6	22.2	22.2	33.7	67.9		
Tag	22.	23.	24.	28.	15.	6.	16.	16.	24.	2.	15.	17.	5.	11.		
h <sub>N</sub> mm			18	21	88	48	23	15	15	10	10	15	26	49		
h <sub>A</sub> mm																
	1921/2008		1922/2009 88 Kalenderjahre <sup>2</sup>													
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	11.6	13.1	15.9	18.6	20.4	20.9	13.0	10.5	8.80	7.87	7.86	8.50	11.6	13.4		
MQ	21.0	28.8	33.2	35.2	39.0	35.3	20.2	16.9	14.6	12.0	12.1	15.2	21.2	29.1		
MHQ	42.1	65.0	77.6	73.3	78.0	63.2	36.5	35.0	29.4	23.9	23.7	31.6	42.4	65.3		
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 <sub>N</sub> mm			40	38	47	41	24	20	17	14	14	18	24	35		
Mh <sub>A</sub> mm	24	34														
Hauptwerte			Abflussjahr (*) 2009				Kalenderjahr 2009				Unterschrittene Abflüsse m <sup>3</sup> /s					
			Jahr	Datum	Winter	Sommer	Jahr	Datum	Unterschreitungs- dauer in Tagen		Abfluss- jahr (*) 2009	Kalender- jahr 2009	1922/2008 88 Kalenderjahre <sup>2</sup>			
													Oberer Hüllkurve	Mittlere Werte	Untere Hüllkurve	
	NQ	m <sup>3</sup> /s	6.75	am 01.09.2009	8.12	6.75	6.75	am 01.09.2009	364	91.4	91.4	302	151	36.6		
	MQ	m <sup>3</sup> /s	22.2		32.1	12.5	24.2		363	89.2	89.2	226	135	31.0		
	HQ	m <sup>3</sup> /s	92.4	am 15.03.2009	92.4	37.8	92.4	am 15.03.2009	362	88.7	88.7	194	120	31.0		
	Nq	l/(skm <sup>2</sup> )	3.01		3.62	3.01	3.01		361	87.6	87.6	185	108	30.9		
	Mq	l/(skm <sup>2</sup> )	9.90		14.3	5.58	10.8		360	86.0	86.0	174	101	28.8		
	Hq	l/(skm <sup>2</sup> )	41.1		41.1	16.8	41.1		359	85.4	85.4	166	95.6	27.7		
	h <sub>N</sub>	mm							358	83.8	83.8	160	90.8	27.7		
	h <sub>A</sub>	mm	312		223	89	340		357	81.7	81.7	153	86.5	26.8		
			1922/2009 (*) 88 Jahre <sup>2</sup>				1922/2009									
	NQ	m <sup>3</sup> /s	1.55	am 05.10.1959	2.21	1.55	1.55	am 05.10.1959	356	80.7	80.7	150	83.2	25.7		
	MNQ	m <sup>3</sup> /s	5.67		8.65	6.17	5.81		355	75.1	75.1	128	70.2	23.6		
	MQ	m <sup>3</sup> /s	23.5		32.1	15.2	23.6		350	66.4	66.4	97.4	58.6	21.4		
MHQ	m <sup>3</sup> /s	136		131	59.8	137		330	62.3	62.3	83.9	50.3	20.5			
HQ	m <sup>3</sup> /s	321	am 10.02.1946	321	194	321	am 10.02.1946	320	45.7	56.7	78.7	44.4	20.0			
HQ <sub>1</sub>	m <sup>3</sup> /s							300	32.9	36.5	65.9	35.9	15.3			
HQ <sub>5</sub>	m <sup>3</sup> /s							270	22.9	28.8	56.7	28.3	11.8			
MNq	l/(skm <sup>2</sup> )	2.53		3.85	2.75	2.59		240	18.3	22.2	50.6	22.9	9.32			
Mq	l/(skm <sup>2</sup> )	10.5		14.3	6.75	10.5		210	15.6	18.3	43.8	19.0	7.58			
MHq	l/(skm <sup>2</sup> )	60.7		58.2	26.6	60.9		183	13.9	15.6	37.8	16.3	6.00			
Mh <sub>N</sub>	mm	331		223	107	331		150	12.6	13.2	30.1	13.6	4.56			
Mh <sub>A</sub>	mm							130	11.9	12.2	27.9	12.2	4.00			
		Niedrigwasser				Hochwasser				Dauertabelle						
		m <sup>3</sup> /s	l/(skm <sup>2</sup> )	Datum	m <sup>3</sup> /s	l/(skm <sup>2</sup> )	cm	Datum								
1	1.55	0.690	05.10.1959	321	143		10.02.1946	120	11.5	11.9	26.5	11.5	3.86			
2	2.00	0.890	10.07.1922	314	140		25.12.1967	110	10.9	11.5	25.1	10.9	3.73			
3	2.12	0.944	08.07.1960	284	126		14.04.1994	100	10.6	10.9	23.9	10.4	3.61			
4	2.19	0.975	05.09.1929	271	121		01.01.1926	90	10.3	10.6	22.6	9.83	3.32			
5	2.52	1.12	21.09.1947	246	110		12.03.1981	80	10.0	10.3	21.2	9.34	3.07			
6	2.72	1.21	15.10.1951	244	109		02.12.1939	70	9.69	9.69	20.4	8.74	2.96			
7	2.74	1.22	07.07.1957	239	106		29.12.1947	60	9.38	9.38	18.8	8.20	2.74			
8	2.96	1.32	02.06.1934	237	106		02.01.1979	50	9.06	9.06	17.5	7.65	2.52			
9	3.09	1.38	06.07.1925	231	103		07.01.1982	40	8.74	8.74	16.0	7.12	2.41			
10	3.31	1.47	05.07.1930	230	102		04.01.2003	30	7.82	7.82	15.3	6.46	2.31			
										25	7.53	7.53	14.7	6.06	2.21	
										20	7.53	7.53	14.0	5.65	2.21	
										15	7.26	7.26	13.1	4.61	2.12	
										10	7.26	7.26	13.1	4.55	1.96	
										9	7.26	7.26	13.1	4.41	1.96	
										8	7.26	7.26	13.1	4.30	1.96	
										7	7.26	7.26	12.6	4.15	1.96	
										6	7.26	7.26	12.6	4.01	1.90	
										5	7.26	7.26	12.6	3.78	1.90	
										4	7.00	7.00	12.4	3.45	1.90	
										3	7.00	7.00	12.4	3.07	1.80	
										2	7.00	7.00	12.4	2.74	1.80	
										1	6.75	6.75	12.2	1.55	1.55	
										0						

(\*) Abflussjahr: 1.11. des Vorjahres bis 31.10.  
 Ersatz für den Pegel Dorndorf / Werra mit Statistikfortschreibung  
 11 Tage Randeis  
<sup>2</sup>Vorsicht: 3.4% Lücken im Zeitraum 1922/2009  
<sup>2</sup>Ausgefallene Abflussjahre: 1931, 1932, 1945