

A_{E0} : 1485.77 km²
 PNP : NHN+ 45.23 m
 Lage : 284.37 km



m³/s

Pegel : Einen Nr. 317100000100
 Gewässer: Ems
 Gebiet : Obere Ems

Tag	2012		2013													
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez		
1.	6.62	6.43	32.1	47.7	20.4	11.9	6.69	14.3	11.6	5.40	3.03	3.56	5.80	10.5		
2.	6.52	6.84	36.6	54.0	18.7	11.5	6.56	12.6	9.74	4.31	3.10	3.69	7.39	10.0		
3.	6.44	8.59	32.4	42.7	17.6	11.3	6.69	10.9	9.06	3.78	3.01	3.63	10.3	9.28		
4.	7.84	9.02	33.0	50.7	16.7	11.1	6.33	9.82	8.62	3.60	2.96	3.37	11.6	9.09		
5.	8.61	12.7	30.5	61.2	16.6	10.9	5.99	9.15	7.91	3.42	2.85	3.44	17.1	9.56		
6.	8.12	11.3	28.3	53.5	15.6	10.0	5.94	8.24	7.05	3.76	2.96	3.60	16.5	18.5		
7.	7.83	9.01	26.8	41.1	14.6	9.52	5.09	7.72	6.24	3.74	2.63	4.45	19.4	16.2		
8.	8.68	7.87	24.7	35.4	14.9	9.58	5.76	6.92	5.76	5.49	3.50	3.89	29.5	14.4		
9.	7.50	8.05	26.2	31.2	19.7	9.86	6.19	6.81	5.68	4.56	3.91	4.03	25.9	14.0		
10.	7.34	20.3	42.2	28.9	40.6	10.6	5.60	7.19	5.17	3.73	5.38	6.70	19.6	13.4		
11.	7.77	21.8	40.8	26.5	41.4	11.9	5.01	6.31	4.96	3.50	14.4	6.30	16.0	12.1		
12.	7.08	16.2	31.6	23.5	28.9	13.4	5.49	6.27	4.51	3.41	12.5	10.2	13.5	11.2		
13.	6.72	14.1	25.7	21.4	24.4	12.3	6.44	6.17	4.97	3.34	7.68	9.14	12.6	10.6		
14.	6.33	13.3	22.7	20.4	22.2	12.3	6.25	12.2	4.72	4.12	6.04	6.83	11.9	9.85		
15.	6.75	30.0	21.4	20.0	20.2	11.2	5.92	8.53	4.99	2.86	6.67	6.65	10.9	9.77		
16.	5.43	29.7	20.3	21.2	18.7	10.6	5.86	6.54	5.27	3.04	7.28	7.88	10.2	10.2		
17.	6.02	31.6	19.1	23.2	18.9	10.5	7.13	6.01	4.27	3.12	7.15	6.80	9.42	9.74		
18.	6.25	28.3	18.6	22.4	22.4	10.4	18.7	5.85	3.95	2.82	6.04	6.44	9.38	10.4		
19.	6.44	34.4	18.3	22.0	20.0	8.41	14.4	6.70	3.54	4.29	6.14	5.60	9.25	10.0		
20.	6.20	29.0	17.1	24.3	17.9	8.08	10.5	17.0	3.50	4.86	5.77	5.37	8.87	11.6		
21.	6.09	26.0	16.3	22.0	18.8	7.87	9.69	30.4	3.35	4.01	5.45	5.13	8.68	10.1		
22.	5.99	30.9	16.7	20.6	22.1	8.03	16.3	29.9	3.27	3.29	4.97	5.21	8.20	10.0		
23.	5.50	56.4	16.1	19.1	20.1	7.91	17.4	17.3	3.56	3.47	4.67	5.56	7.82	15.9		
24.	6.67	81.7	15.6	18.4	16.6	7.77	17.1	18.6	3.56	3.16	4.65	6.19	7.64	15.3		
25.	7.37	64.2	15.0	19.3	15.1	7.82	13.2	15.2	3.95	3.06	4.79	5.89	7.72	16.6		
26.	6.73	51.4	14.5	22.1	14.3	7.99	17.8	12.0	3.75	2.71	4.60	6.09	7.31	18.1		
27.	7.88	50.9	15.9	23.2	13.7	12.6	35.4	11.2	4.47	2.55	4.53	6.57	6.82	14.1		
28.	7.47	58.2	23.5	21.9	12.5	9.36	28.6	12.0	8.99	2.62	4.36	9.11	7.64	14.6		
29.	6.78	43.6	48.5		12.8	7.91	22.2	16.3	6.06	2.43	4.07	9.21	8.83	19.3		
30.	6.53	37.0	71.6		12.9	7.59	20.7	15.1	7.88	2.45	3.88	7.39	11.1	18.2		
31.		33.7	63.3		12.5		16.3		5.78	2.89		6.67		15.5		
Tag	16.	1.	26.	24.	28.+	30.	11.	18.	22.	29.	7.	4.	1.	4.		
NQ	5.43	6.43	14.5	18.4	12.5	7.59	5.01	5.85	3.27	2.43	2.63	3.37	5.80	9.09		
MQ	6.92	28.5	27.9	29.9	19.4	10.0	11.7	11.8	5.68	3.54	5.30	5.96	11.9	12.8		
HQ	10.5	83.6	75.1	68.4	52.2	14.7	38.3	42.0	13.2	7.12	17.5	11.7	32.3	21.8		
Tag	7.	24.	30.	4.+	10.	27.	27.	21.+	28.	8.	11.	12.	8.	6.		
h _N mm	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
h _A mm	12	51	50	49	35	17	21	21	10	6	9	11	21	23		
	1953/2012		1954/2013 60 Kalenderjahre													
Jahr	1959	1959	1964	1996	1964	1960	1954	1964	1964	1964	1964	1959	1959	1959		
NQ	1.73	2.25	3.75	4.17	3.48	1.92	0.794	0.387	0.294	0.268	0.277	0.732	1.73	2.25		
MNQ	7.47	10.1	12.3	12.6	11.5	8.45	5.50	4.12	3.60	3.51	3.99	5.61	7.51	10.2		
MQ	15.4	23.4	26.6	24.1	22.3	15.9	10.8	7.93	8.52	7.39	8.24	10.8	15.5	23.5		
MHQ	45.6	70.3	74.7	64.3	63.0	40.8	30.7	25.4	27.5	24.1	27.1	31.1	46.0	70.5		
HQ	149	211	163	187	133	113	135	134	134	120	105	146	149	211		
Jahr	1998	1960	2003	1970	1987	1986	1984	1981	1981	2007	1956	1998	1998	1960		
Mh _N mm	69	78	70	54	61	52	65	72	84	78	71	64	70	79		
Mh _A mm	27	42	48	40	40	28	19	14	15	13	14	19	27	42		
	Abflussjahr (*) 2013				Kalenderjahr 2013				Unterschnittene Abflüsse m ³ /s							
	Jahr		Datum		Winter		Sommer		Jahr		Datum		1954/2013 60 Kalenderjahre		Untere Hüllkurve	
NQ	2.43		am 29.08.2013		5.43		2.43		2.43		am 29.08.2013		81.7		179	
MQ	13.8				20.4		7.30		12.9				71.6		63.3	
HQ	83.6		am 24.12.2012 bei W = 308 cm		83.6		42.0		75.1		am 30.01.2013 bei W = 286 cm		64.2		61.2	
Nq	1.64				3.65		1.64		1.64				63.3		54.0	
Mq	9.29				13.7		4.92		8.67				61.2		53.5	
Hq	56.3				56.3		28.3		50.5				54.0		47.7	
h _N mm	-----				-----		-----		-----				53.5		42.7	
h _A mm	293				215		78		274				43.6		36.6	
	1954/2013 (*) 60 Jahre				1954/2013				Dauertabelle							
NQ	0.268		am 04.08.1964		1.73		0.268		0.268		am 04.08.1964		364		171	
MNQ	2.50				5.94		2.57		2.56				363		71.6	
MQ	15.1				21.3		8.95		15.1				362		64.2	
MHQ	109				104		54.8		112				361		63.3	
HQ	211		am 05.12.1960 bei W = 449 cm		211		146		211		am 05.12.1960 bei W = 449 cm		360		61.2	
HQ ₁	106												359		58.2	
HQ ₅	140												358		56.4	
MNq	1.68				4.00		1.73		1.72				357		54.0	
Mq	10.2				14.3		6.03		10.2				356		53.5	
MHq	73.6				70.2		36.9		75.2				355		53.5	
Mh _N mm	819				384		434		820				354		43.6	
Mh _A mm	320				225		96		321				350		35.4	
	Niedrigwasser (n)				Hochwasser											
	m ³ /s		Datum		m ³ /s		Datum									
1	0.268		0.180 04.08.1964		211		142 449									
2	0.535		0.360 22.08.1959		187		126 443									
3	0.641		0.432 09.08.1971		163		110 437									
4	0.703		0.473 06.07.1976		160		108 425									
5	0.794		0.534 16.05.1954		154		104 432									
6	0.873		0.587 16.09.1973		154		103 415									
7	0.891		0.600 14.08.1975		149		100 407									
8	1.10		0.739 07.07.1957		149		100 422									
9	1.19		0.803 25.07.1963		145		97.3 417									
10	1.36		0.913 13.08.1983		140		94.3 399									

(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.
 HQ1: DGJ, 4.3.3; HQ5: Log-Pearson-Verteilung;