

A<sub>Eo</sub> : 1099 km<sup>2</sup>



Pegel : Rosenheim

Nr. 68209001

PNP :NN+ 443.00 m

Gewässer : Mangfall mit Hammerbach

Lage: 1.9 km

m<sup>3</sup>/s

Gebiet : Inn

	Tag	2005		2006															
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez				
Tageswerte	1.	16.2	12.9	18.6	12.1	15.0	77.1	57.6	53.1	32.9	16.2	37.7	13.6	12.8	13.5				
	2.	14.2	12.9	19.2	12.1	14.7	77.1	49.6	47.4	29.5	14.5	32.3	13.8	14.8	13.6				
	3.	14.0	13.2	14.0	11.7	14.6	71.8	44.8	42.5	27.5	15.9	27.3	14.0	15.2	13.3				
	4.	13.5	14.4	13.4	11.9	14.4	76.8	42.0	40.8	21.2	24.7	24.6	21.9	15.0	12.6				
	5.	12.6	14.7	13.3	12.4	14.3	67.3	41.3	47.5	20.5	34.6	22.1	19.6	15.4	14.2				
	6.	12.1	14.9	13.1	11.9	13.6	64.7	39.5	43.5	21.4	33.7	20.1	17.7	14.8	13.8				
	7.	11.8	14.7	12.9	12.0	13.7	58.6	36.7	40.0	22.7	72.6	20.3	17.1	13.9	15.0				
	8.	11.4	14.1	12.6	12.0	13.9	48.2	33.6	36.0	21.4	64.9	38.1	15.0	13.1	14.4				
	9.	11.4	13.9	12.4	12.1	37.0	50.2	32.2	32.9	24.6	73.2	31.9	14.6	13.3	15.2				
	10.	12.1	12.7	12.4	12.2	62.4	46.0	30.6	30.2	21.2	52.5	24.5	13.6	17.3	22.3				
	11.	12.8	12.2	11.7	11.9	47.6	48.4	29.7	28.6	18.4	44.0	20.4	13.4	23.4	19.2				
	12.	11.1	12.7	12.1	11.4	36.2	48.0	26.2	24.8	17.6	34.3	19.8	13.3	30.9	15.3				
	13.	11.3	13.4	12.2	11.2	27.3	45.8	25.3	23.0	16.3	30.4	18.8	12.5	39.5	14.6				
	14.	11.2	13.3	11.8	11.3	18.5	51.1	29.3	22.4	16.0	32.0	17.3	12.6	29.4	14.1				
	15.	10.5	13.1	11.5	11.2	18.1	52.4	28.6	20.0	18.8	31.1	17.0	12.6	37.0	13.1				
	16.	10.7	14.4	11.7	15.8	18.6	52.1	28.7	22.6	15.6	26.5	16.4	12.7	31.9	12.6				
	17.	12.0	16.6	11.8	32.3	17.7	53.4	32.1	28.1	14.2	21.2	15.2	12.2	26.5	12.6				
	18.	13.3	15.4	11.9	28.0	16.8	54.2	31.6	26.2	14.8	21.9	15.1	12.6	24.0	13.4				
	19.	11.5	15.4	11.9	24.2	15.9	53.7	32.7	26.5	15.4	24.6	22.3	11.7	21.3	13.7				
	20.	11.1	16.1	12.1	22.1	15.9	51.0	31.7	22.7	13.8	23.4	29.2	12.1	19.3	13.2				
	21.	12.6	15.4	12.1	34.9	19.8	49.2	29.5	20.8	14.5	21.2	23.5	11.6	17.4	13.0				
	22.	13.7	14.6	12.1	30.5	27.6	49.1	26.3	38.7	16.0	19.2	18.4	12.1	17.4	12.2				
	23.	12.6	16.4	12.1	24.2	34.4	50.6	23.8	63.0	14.9	19.3	16.4	12.1	18.5	12.3				
	24.	14.0	17.8	12.1	20.2	29.8	49.7	24.2	46.5	13.3	20.7	15.5	12.5	17.1	12.4				
	25.	15.9	17.0	12.1	17.7	37.7	50.3	21.2	37.7	13.2	27.7	15.3	12.6	16.5	12.7				
	26.	13.8	16.6	12.0	17.4	61.2	50.9	19.0	26.3	13.6	23.7	14.9	12.6	15.0	12.4				
	27.	13.5	15.8	12.0	16.6	75.4	51.3	24.1	26.2	13.9	20.8	14.5	12.1	15.1	12.6				
	28.	13.1	15.9	12.0	15.7	88.1	61.9	39.1	28.4	13.6	20.4	14.3	12.9	14.5	12.5				
	29.	13.1	15.0	12.0		92.6	95.4	57.3	31.8	13.7	28.4	13.5	12.4	13.7	12.8				
	30.	13.1	13.8	12.3		71.7	71.8	56.2	32.5	13.9	30.8	14.0	12.3	13.3	12.3				
	31.		14.4	11.9		77.9		56.4		14.8	43.3		12.3		12.1				
Hauptwerte	Tag	15.	11.	15.	13.	6.	13.	26.	15.	25.	2.	29.	21.	1.	31.				
	NQ	10.5	12.2	11.5	11.2	13.6	45.8	19.0	20.0	13.2	14.5	13.5	11.6	12.8	12.1				
	MQ	12.7	14.6	12.7	17.0	34.3	57.6	34.9	33.7	18.0	31.2	21.1	13.6	19.6	13.8				
	HQ	20.2	21.1	23.7	43.3	108	111	72.7	111	34.6	97.7	57.9	29.8	52.6	26.3				
	Tag	24.	17.	2.	21.	29.	29.	28.	22.	1.	7.	8.	9.	12.	10.				
	h <sub>N</sub>	mm	30	36	31	38	84	136	85	79	44	76	50	33	46	34			
	Mh <sub>N</sub>	mm																	
	h <sub>A</sub>	mm																	
			1969/2005		1970/2006												37 Jahre		
	Jahr	1969	1986	1972	1972	1972	1972	1998	1976	2003	1994	1992	1994	1986	1986				
	NQ	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	7.43	7.20	8.53	6.52	6.63	6.75				
	MNQ	13.6	14.7	13.8	14.3	16.8	24.3	21.4	18.2	15.9	15.0	14.5	13.1	13.8	14.7				
	MQ	22.0	24.2	21.2	23.1	29.2	35.7	33.9	31.0	29.8	27.8	24.0	20.7	22.3	24.3				
	MHQ	56.5	65.2	49.2	61.8	71.5	68.7	79.3	90.5	87.1	95.3	65.5	48.4	57.6	65.5				
HQ	191	171	156	215	182	189	393	401	314	362	178	158	191	171					
Jahr	1972	1988	1982	1990	2000	1994	1999	1979	1981	2005	2002	1981	1972	1988					
		1969/2005		1970/2006												37 Jahre			
Mh <sub>N</sub>	mm	52	59	52	51	71	84	83	73	73	68	56	50	52	59				
Mh <sub>A</sub>	mm																		
Extremwerte	Niedrigwasser			Hochwasser															
	m <sup>3</sup> /s			m <sup>3</sup> /s			cm												
	l/(s km <sup>2</sup> )			l/(s km <sup>2</sup> )															
	Datum			Datum															
	1	6.42	5.84	09.11.1969	401	365		18.06.1979											
	2				393	358		22.05.1999											
	3				362	329		23.08.2005											
	4				314	286		20.07.1981											
	5				262	239		07.08.1985											
	6				256	233		12.08.2002											
	7				255	232		10.08.1970											
	8				244	222		07.06.1995											
	9				215	196		15.02.1990											
	10				202	183		06.07.1997											
(*) Abflussjahr: 1.11. des Vorjahres bis 31.10.																			

A<sub>Eo</sub> : 1099 km<sup>2</sup>  
 PNP : NN + 443.00 m  
 Lage: 1.9 km



Pegel : Rosenheim Nr. 68209001  
 Gewässer : Mangfall mit Hammerbach  
 Gebiet : Inn

m<sup>3</sup>/s

Tag	2004		2005											
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.	15.4	19.2	12.9	15.5	15.6	55.1	43.1	25.5	19.0	19.6	33.5	24.8	16.2	12.9
2.	14.6	19.4	14.2	14.2	15.6	47.9	41.2	23.0	21.7	22.1	28.7	31.7	14.2	12.9
3.	14.0	17.0	19.9	14.6	16.1	43.9	39.9	20.0	20.9	36.9	25.8	43.0	14.0	13.2
4.	12.7	15.3	18.7	15.2	15.2	40.3	37.7	20.6	20.5	32.3	23.9	41.5	13.5	14.4
5.	12.2	15.2	16.0	16.5	15.0	37.5	37.7	22.0	34.4	28.2	22.3	32.3	12.6	14.7
6.	13.1	15.3	20.2	14.6	15.3	35.5	43.7	21.2	37.7	30.9	20.4	26.1	12.1	14.9
7.	15.4	15.4	30.5	14.0	14.4	36.2	50.3	28.2	26.8	39.0	20.6	23.1	11.8	14.7
8.	21.3	15.5	25.4	14.7	14.9	35.6	63.8	33.3	33.2	49.5	20.6	22.8	11.4	14.1
9.	22.0	16.2	16.9	14.2	14.9	37.7	62.2	32.7	30.6	46.0	17.3	21.3	11.4	13.9
10.	20.3	15.3	18.9	13.5	14.9	42.3	56.4	24.5	31.5	36.5	16.1	20.2	12.1	12.7
11.	17.7	13.9	18.3	17.2	14.5	37.5	54.4	19.8	85.1	29.9	16.5	18.3	12.8	12.2
12.	17.8	13.3	17.4	42.9	15.6	32.3	48.0	19.6	122	26.7	18.3	17.3	11.1	12.7
13.	18.5	13.3	16.5	81.1	17.0	30.9	43.6	21.0	71.3	24.8	16.0	15.6	11.3	13.4
14.	21.4	13.9	17.7	50.8	16.5	31.0	39.4	20.9	53.4	21.7	15.6	16.2	11.2	13.3
15.	20.6	13.5	17.1	38.7	18.8	30.2	38.6	18.2	44.9	21.0	15.5	15.4	10.5	13.1
16.	17.9	13.1	15.2	30.9	27.9	30.6	36.3	19.2	37.0	77.9	15.6	15.3	10.7	14.4
17.	16.4	13.1	13.2	27.2	35.2	30.9	35.0	18.6	33.3	88.0	16.9	15.8	12.0	16.6
18.	14.4	13.7	13.6	24.4	53.1	44.4	62.1	19.5	31.5	55.9	20.7	15.3	13.3	15.4
19.	18.4	14.4	13.7	23.3	68.9	62.0	100	17.9	40.3	46.3	18.2	14.7	11.5	15.4
20.	19.3	12.5	13.5	21.6	78.1	75.2	61.7	15.5	35.6	69.2	16.0	14.2	11.1	16.1
21.	17.8	12.6	20.8	19.7	60.4	75.1	51.6	15.6	32.4	55.6	15.7	14.3	12.6	15.4
22.	17.9	12.9	25.4	19.0	53.5	58.5	46.8	15.2	25.5	99.1	15.2	14.1	13.7	14.6
23.	24.4	13.2	23.4	18.9	53.8	47.1	43.8	15.1	24.3	243	13.4	13.9	12.6	16.4
24.	36.0	16.3	19.2	18.5	59.0	42.0	47.9	15.5	22.5	254	13.0	12.4	14.0	17.8
25.	29.4	16.6	15.2	16.9	59.6	43.3	42.4	16.4	21.9	122	13.5	13.6	15.9	17.0
26.	23.3	15.4	17.1	15.7	58.0	67.9	38.6	17.5	25.8	85.5	14.0	13.9	13.8	16.6
27.	23.9	16.0	16.2	16.6	54.2	58.3	36.2	15.1	25.7	62.4	16.5	11.4	13.5	15.8
28.	23.8	13.6	14.6	16.9	52.1	53.0	32.7	15.9	24.8	55.8	19.0	12.6	13.1	15.9
29.	22.1	13.5	15.3		50.1	48.9	30.8	17.6	21.0	47.7	25.0	14.1	13.1	15.0
30.	21.1	13.0	15.5		52.4	46.4	31.8	17.8	18.3	40.7	25.8	14.2	13.1	13.8
31.		12.8	15.4		61.7		28.8		19.7	36.6		14.5		14.4

Tag	5.	20.	1.	10.	7.	15.	31.	27.	30.	1.	24.	27.	15.	11.		
NQ	12.2	12.5	12.9	13.5	14.4	30.2	28.8	15.1	18.3	19.6	13.0	11.4	10.5	12.2		
MQ	19.4	14.7	17.7	23.1	35.9	45.2	46.0	20.1	35.3	61.5	19.0	19.2	12.7	14.6		
HQ	42.6	22.0	36.5	97.1	87.3	79.8	138	38.0	155	362	36.3	47.1	20.2	21.1		
Tag	24.	1.	6.	13.	20.	21.	19.	7.	12.	23.	1.	3.	24.	17.		
h <sub>N</sub>	mm															
h <sub>A</sub>	mm		46	36	43	51	87	107	112	47	86	150	45	47	30	36
		1969/2004		1970/2005 36 Jahre												
Jahr	1969	1986	1972	1972	1972	1972	1998	1976	2003	1994	1992	1994	1986	1986		
NQ	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	7.43	7.20	8.53	6.52	6.63	6.75		
MNQ	13.7	14.7	13.9	14.4	16.9	23.7	21.5	18.1	16.0	15.0	14.5	13.2	13.8	14.8		
MQ	22.3	24.4	21.4	23.3	29.1	35.1	33.9	30.9	30.2	27.8	24.1	20.9	22.4	24.5		
MHQ	57.5	66.4	49.9	62.4	70.5	67.5	79.5	89.9	88.6	95.3	65.7	48.9	57.7	66.6		
HQ	191	171	156	215	182	189	393	401	314	362	178	158	191	171		
Jahr	1972	1988	1982	1990	2000	1994	1999	1979	1981	2005	2002	1981	1972	1988		
		1969/2004		1970/2005 36 Jahre												
Mh <sub>N</sub>	mm															
Mh <sub>A</sub>	mm		52	60	52	51	71	83	83	73	73	68	57	51	53	60

	Abflussjahr (*)				Kalenderjahr		Unterschrittene Abflüsse m <sup>3</sup> /s
	Jahr	Datum	Winter	Sommer	Jahr	Datum	
NQ m <sup>3</sup> /s	11.4	am 27.10.2005	12.2	11.4	10.5	am 15.11.2005	<b>Dauertabelle</b> (365) 254 254 337 130 58.4 243 243 244 114 57.8 122 122 175 101 55.7 122 122 153 91.2 53.5 100 100 141 85.2 50.1 99.1 99.1 141 80.2 49.1 88.0 88.0 124 77.2 46.3 85.5 85.5 122 74.3 46.2 85.1 85.1 117 71.1 44.7 71.3 71.3 87.8 61.4 37.1 61.7 61.7 71.3 52.4 33.0 55.6 55.6 64.0 46.8 28.8 52.1 52.1 61.0 43.4 26.9 43.7 43.7 54.2 37.8 24.6 36.3 36.3 46.0 32.0 20.2 30.6 30.6 41.6 27.6 20.1 24.3 23.3 37.4 24.3 16.5 21.0 20.2 33.8 21.9 15.3 18.7 17.3 28.3 19.4 13.5 17.5 16.4 25.0 18.1 12.1 16.9 15.9 23.4 17.5 11.2 16.4 15.6 22.0 16.9 10.8 16.0 15.4 21.0 16.4 10.1 15.6 15.2 20.7 15.9 9.72 15.4 14.9 19.8 15.4 9.57 15.3 14.5 19.3 14.8 9.36 15.1 14.2 18.1 14.3 9.18 14.6 13.9 17.6 13.7 8.98 14.2 13.5 17.4 13.1 8.76 13.9 13.1 17.2 12.5 8.63 13.6 12.9 17.0 12.2 8.57 13.5 12.7 16.8 11.7 8.41 13.2 12.4 16.6 11.2 8.08 13.0 11.8 16.2 10.6 7.07 12.9 11.5 16.2 10.4 7.03 12.9 11.4 15.9 10.2 7.03 12.8 11.4 15.8 9.84 6.92 12.7 11.4 15.7 9.59 6.90 12.6 11.3 15.6 9.36 6.90 12.6 11.2 15.5 9.12 6.90 12.5 11.1 15.3 8.75 6.87 12.4 11.1 15.3 8.26 6.87 12.2 10.7 15.3 7.68 6.75 11.4 10.5 15.1 6.42 6.42
MQ m <sup>3</sup> /s	29.8	am 27.10.2005	26.0	33.6	29.3	am 15.11.2005	
HQ m <sup>3</sup> /s	362	am 23.08.2005	97.1	362	362	am 23.08.2005	
Nq l/(s km <sup>2</sup> )	10.3		11.1	10.3	9.55		
Mq l/(s km <sup>2</sup> )	27.2		23.6	30.6	26.6		
Hq l/(s km <sup>2</sup> )	329		88.3	329	329		
h <sub>N</sub> mm							
h <sub>A</sub> mm	859		376	479	856		
1970/2005 (*) 36 Jahre				1970/2005			
NQ m <sup>3</sup> /s	6.42	am 09.11.1969	6.42	6.52	6.42	am 31.01.1972	
MNQ m <sup>3</sup> /s	10.0		11.5	11.5	10.3		
MQ m <sup>3</sup> /s	27.0		25.9	28.0	27.0		
MHQ m <sup>3</sup> /s	184		124	162	183		
HQ m <sup>3</sup> /s	401	am 18.06.1979	215	401	401	am 18.06.1979	
HQ <sub>1</sub> m <sup>3</sup> /s	150		102	123	150		
HQ <sub>5</sub> m <sup>3</sup> /s							
MNq l/(s km <sup>2</sup> )	9.13		10.4	10.5	9.34		
Mq l/(s km <sup>2</sup> )	24.5		23.6	25.4	24.5		
MHq l/(s km <sup>2</sup> )	168		113	147	166		
1970/2005 (*) 36 Jahre				1970/2005			
Mh <sub>N</sub> mm							
Mh <sub>A</sub> mm	776		377	398	774		

	Niedrigwasser			Hochwasser			
	m <sup>3</sup> /s	l/(s km <sup>2</sup> )	Datum	m <sup>3</sup> /s	l/(s km <sup>2</sup> )	cm	Datum
1	6.42	5.84	09.11.1969	401	365		18.06.1979
2				393	358		22.05.1999
3				362	329		23.08.2005
4				314	286		20.07.1981
5				262	239		07.08.1985
6				256	233		12.08.2002
7				255	232		10.08.1970
8				244	222		07.06.1995
9				215	196		15.02.1990
10				202	183		06.07.1997

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

A<sub>E0</sub> : 1099 km<sup>2</sup>  
 PNP : NN + 443.00 m  
 Lage: 1.9 km



Pegel : Rosenheim Nr. 68209001  
 Gewässer : Mangfall mit Hammerbach  
 Gebiet : Inn

Tageswerte	Tag	2003		2004												
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
	1.	15.3	14.4	14.4	14.2	15.6	37.9	26.9	22.6	29.1	17.7	25.0	31.1	15.4	19.2	
2.	15.5	14.1	13.9	16.3	14.9	47.5	29.4	24.6	27.8	17.6	19.1	36.5	14.6	19.4		
3.	17.2	13.6	13.9	30.9	15.2	50.8	31.1	38.1	27.2	17.1	18.7	28.2	14.0	17.0		
4.	15.8	13.7	13.3	27.6	15.2	47.6	28.9	90.7	24.2	15.3	18.8	24.9	12.7	15.3		
5.	15.5	13.7	13.7	23.7	15.0	48.2	31.2	71.9	22.4	15.8	17.9	21.6	12.2	15.2		
6.	13.7	13.5	13.9	22.1	14.4	44.0	32.9	79.4	24.0	14.2	16.4	19.7	13.1	15.3		
7.	13.8	14.4	17.5	23.1	14.6	37.1	23.5	59.1	23.6	13.7	17.7	21.5	15.4	15.4		
8.	14.3	14.4	21.0	26.9	15.0	39.2	20.4	48.9	22.6	13.6	13.5	17.9	21.3	15.5		
9.	14.4	14.3	19.9	24.7	15.2	38.1	22.0	41.8	26.9	12.9	12.9	23.3	22.0	16.2		
10.	13.5	14.8	32.0	20.3	14.8	32.5	21.3	36.6	29.0	12.9	14.3	31.8	20.3	15.3		
11.	13.4	12.7	26.6	21.4	14.9	31.2	20.4	32.4	30.5	12.3	12.5	28.5	17.7	13.9		
12.	13.3	13.7	36.1	24.0	15.6	33.1	19.0	32.5	27.1	13.3	13.7	26.2	17.8	13.3		
13.	15.4	13.6	51.2	21.7	16.9	33.6	22.3	31.8	25.6	15.1	10.9	23.5	18.5	13.3		
14.	22.2	16.7	68.2	19.7	21.8	29.7	30.1	32.0	26.3	14.0	11.4	16.6	21.4	13.9		
15.	19.0	21.9	49.1	17.7	24.6	26.5	26.7	30.3	25.9	20.1	15.5	14.7	20.6	13.5		
16.	17.1	19.4	38.7	17.9	25.9	26.1	34.1	29.3	25.7	26.6	16.6	18.2	17.9	13.1		
17.	16.7	16.9	36.4	17.1	30.1	25.1	43.2	29.7	24.7	22.7	15.4	22.4	16.4	13.1		
18.	17.6	15.2	34.7	16.6	32.8	24.6	33.9	31.5	24.0	18.7	15.3	20.1	14.4	13.7		
19.	16.6	15.4	28.4	15.8	33.1	30.5	28.6	33.1	24.2	18.1	14.6	17.8	18.4	14.4		
20.	15.3	14.7	31.1	14.7	35.0	31.8	30.7	37.6	23.9	19.1	13.8	15.6	19.3	12.5		
21.	14.7	16.6	33.2	14.5	36.0	28.2	31.1	46.5	24.7	17.7	13.7	16.4	17.8	12.6		
22.	13.7	17.6	28.5	16.2	37.3	25.7	32.3	36.7	23.1	16.9	13.7	17.0	17.9	12.9		
23.	13.2	15.4	22.5	20.3	37.2	24.5	34.8	32.5	21.4	18.1	18.5	17.0	24.4	13.2		
24.	14.0	14.2	18.7	21.9	44.9	32.5	30.9	33.4	24.8	18.2	42.0	15.6	36.0	16.3		
25.	14.0	14.1	19.9	20.5	52.5	36.7	24.7	30.2	36.7	15.0	39.9	14.4	29.4	16.6		
26.	13.4	14.0	18.6	17.5	43.6	32.9	21.4	27.2	29.8	16.3	38.5	15.0	23.3	15.4		
27.	13.3	14.2	18.4	17.7	33.9	26.8	22.9	25.6	26.6	23.1	30.6	15.3	23.9	16.0		
28.	13.6	13.7	16.2	17.8	31.3	26.2	24.1	34.9	26.3	26.4	25.1	15.2	23.8	13.6		
29.	15.7	14.7	15.9	17.3	31.1	28.0	24.8	39.1	24.2	23.4	26.6	13.3	22.1	13.5		
30.	15.2	14.4	17.2		33.7	27.5	23.0	30.6	21.8	20.5	29.4	12.8	21.1	13.0		
31.		14.4	14.8		33.7		21.8		19.4	24.6		13.8		12.8		
Hauptwerte	Tag	23.	11.	4.	1.	6.	23.	12.	1.	31.	11.	13.	30.	5.	20.	
	NQ	13.2	12.7	13.3	14.2	14.4	24.5	19.0	22.6	19.4	12.3	10.9	12.8	12.2	12.5	
	MQ	15.2	15.0	25.7	20.0	26.3	33.5	27.4	39.0	25.6	17.8	19.7	20.2	19.4	14.7	
	HQ	25.9	26.8	79.7	35.7	58.2	55.3	50.4	108	39.6	31.2	55.1	49.8	42.6	22.0	
	Tag	14.	15.	14.	3.	25.	5.	16.	4.	24.	28.	24.	2.	24.	1.	
	h <sub>N</sub>	mm														
	h <sub>A</sub>	mm	36	36	63	46	64	79	67	92	62	43	46	49	46	36
			1969/2003		1970/2004										35 Jahre	
	Jahr	1969	1986	1972	1972	1972	1972	1998	1976	2003	1994	1992	1994	1986	1986	
NQ	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	7.43	7.20	8.53	6.52	6.63	6.75		
MNQ	13.7	14.8	13.9	14.4	17.0	23.5	21.3	18.2	16.0	14.9	14.6	13.2	13.9	14.9		
MQ	22.3	24.7	21.5	23.3	28.9	34.8	33.6	31.3	30.0	26.8	24.2	20.9	22.7	24.8		
MHQ	57.9	67.7	50.3	61.4	70.0	67.1	77.8	91.4	86.7	87.7	66.5	48.9	58.8	67.9		
HQ	191	171	156	215	182	189	393	401	314	262	178	158	191	171		
Jahr	1972	1988	1982	1990	2000	1994	1999	1979	1981	1985	2002	1981	1972	1988		
			1969/2003		1970/2004										35 Jahre	
M <sub>hN</sub>	mm															
M <sub>hA</sub>	mm	53	60	52	53	70	82	82	74	73	65	57	51	53	60	
Dauertabelle	Abflussjahr (*)	2004				Kalenderjahr		Unterschnittene Abflüsse m³/s								
		Jahr	Datum	Winter	Sommer	Jahr	Datum	Abfluss-jahr (*)	Kalender-jahr	1970/2004	35 Kalenderjahre					
	NQ	m³/s	10.9	am 13.09.2004	12.7	10.9	10.9	am 13.09.2004	(365)	90.7	90.7					
	MQ	m³/s	23.8	am 04.06.2004	22.6	24.9	24.1	am 04.06.2004	364	79.4	79.4	337	130	58.4		
	HQ	m³/s	108	am 04.06.2004	79.7	108	108	am 04.06.2004	363	71.9	71.9	244	113	57.8		
	N <sub>q</sub>	l/(s km²)	9.88		11.5	9.88	9.88		362	68.2	68.2	175	99.6	55.7		
	M <sub>q</sub>	l/(s km²)	21.6		20.6	22.7	21.9		361	59.1	59.1	153	91.0	53.5		
	H <sub>q</sub>	l/(s km²)	98.1		72.5	98.1	98.1		360	52.5	52.5	141	84.6	50.1		
	h <sub>N</sub>	mm							359	51.2	51.2	141	79.9	49.1		
	h <sub>A</sub>	mm	682		329	354	684		358	50.8	50.8	124	76.6	46.3		
									357	49.1	49.1	122	73.2	46.2		
									356	48.9	48.9	117	70.8	44.7		
									350	44.0	44.0	87.8	61.0	37.1		
									340	38.1	38.1	71.3	52.0	33.0		
								330	36.6	36.6	64.0	46.6	28.8			
								320	33.9	34.1	61.0	43.1	26.9			
								300	32.0	32.0	54.2	37.6	24.6			
								270	29.1	29.4	46.0	31.9	20.2			
								240	26.2	26.3	41.6	27.5	18.1			
								210	23.9	24.0	37.4	24.3	16.5			
								183	21.7	22.0	33.8	21.9	15.3			
								150	18.2	19.3	28.3	19.5	13.5			
								130	17.2	17.9	25.0	18.2	12.1			
								120	16.7	17.7	23.4	17.6	11.2			
								110	16.3	17.0	22.0	17.0	10.8			
								100	15.6	16.4	21.0	16.4	10.1			
								90	15.3	15.8	20.7	15.9	9.72			
								80	15.1	15.4	19.8	15.4	9.57			
								70	14.7	15.2	19.3	14.8	9.36			
								60	14.4	14.9	18.1	14.3	9.18			
								50	14.2	14.4	17.6	13.7	8.98			
								40	13.9	13.9	17.4	13.1	8.76			
								30	13.7	13.7	17.2	12.4	8.63			
								25	13.7	13.5	17.0	12.1	8.57			
								20	13.5	13.3	16.8	11.7	8.41			
								15	13.4	13.1	16.6	11.1	8.08			
								10	13.3	12.9	16.2	10.5	7.07			
								9	13.2	12.8	16.2	10.4	7.03			
								8	12.9	12.8	15.9	10.2	7.03			
								7	12.9	12.7	15.8	9.80	6.92			
								6	12.9	12.6	15.7	9.57	6.90			
								5	12.8	12.5	15.6	9.34	6.90			
								4	12.7	12.5	15.5	9.08	6.90			
								3	12.5	12.3	15.3	8.75	6.87			
								2	12.3	12.2	15.3	8.26	6.87			

A<sub>Eo</sub> : 1099 km<sup>2</sup>

PNP : NN + 443.00 m

Lage: 1.9 km



Pegel : Rosenheim

Nr. 68209001

Gewässer : Mangfall mit Hammerbach

Gebiet : Inn

m<sup>3</sup>/s

Tageswerte	Tag	2002		2003											
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
1.		24.0	34.1	48.7	26.0	16.3	32.3	22.6	15.7	12.0	14.4	13.8	10.4	15.3	14.4
2.		24.2	32.3	48.8	22.8	20.1	31.7	22.4	15.6	12.4	11.2	12.4	10.7	15.5	14.1
3.		40.9	35.2	57.8	23.0	31.6	32.4	20.5	14.3	11.3	11.3	12.2	11.1	17.2	13.6
4.		75.3	34.6	50.8	25.1	31.4	30.4	19.7	13.3	11.3	11.2	12.0	11.8	15.8	13.7
5.		91.1	31.8	48.4	24.1	28.1	28.2	18.8	13.2	12.0	11.6	11.5	27.2	15.5	13.7
6.		68.3	30.9	43.1	21.9	26.6	26.5	17.8	13.4	12.1	10.7	11.0	50.7	13.7	13.5
7.		56.6	30.0	37.2	20.9	36.0	26.2	17.3	12.2	12.0	10.3	10.8	35.6	13.8	14.4
8.		53.7	26.8	34.6	21.3	37.5	24.0	15.3	12.0	11.8	10.3	10.7	41.3	14.3	14.4
9.		53.6	24.4	30.5	21.1	31.3	22.8	16.6	12.3	11.6	9.88	11.1	54.5	14.4	14.3
10.		70.2	23.0	28.4	19.9	26.8	21.9	17.6	12.3	11.8	9.78	11.6	58.4	13.5	14.8
11.		68.2	23.2	25.5	19.6	30.3	22.5	22.2	13.1	11.8	9.64	11.7	49.7	13.4	12.7
12.		76.8	22.6	23.5	19.6	37.9	22.7	21.7	12.2	11.5	9.58	13.2	46.8	13.3	13.7
13.		62.9	21.0	23.1	18.6	56.4	20.4	20.8	11.6	11.3	9.63	18.5	40.4	15.4	13.6
14.		55.9	21.1	25.1	18.9	43.7	18.0	26.8	11.7	11.6	9.47	20.2	34.1	22.2	16.7
15.		52.9	20.6	27.3	16.5	36.6	20.3	24.9	12.3	9.73	10.7	17.5	29.2	19.0	21.9
16.		49.7	20.9	25.0	17.1	31.0	23.7	21.5	12.3	7.68	11.0	15.1	25.6	17.1	19.4
17.		47.7	33.8	21.8	16.0	27.9	24.8	20.3	12.3	9.36	9.72	13.0	22.5	16.7	16.9
18.		44.3	35.8	21.2	15.8	25.6	24.4	29.0	14.5	9.60	10.9	12.0	20.2	17.6	15.2
19.		42.2	30.9	21.9	15.2	24.4	23.3	20.7	16.8	8.04	11.0	12.0	18.8	16.6	15.4
20.		43.4	23.5	21.7	14.8	20.6	22.3	20.2	15.4	7.43	7.97	11.6	17.0	15.3	14.7
21.		38.9	26.6	21.1	15.5	21.0	21.3	23.9	13.3	9.59	9.02	10.6	18.0	14.7	16.6
22.		37.4	42.5	20.6	16.0	22.9	21.9	20.0	12.2	10.9	10.2	11.1	16.8	13.7	17.6
23.		45.0	60.6	22.4	15.8	21.6	24.6	19.2	11.8	10.6	9.59	11.8	15.9	13.2	15.4
24.		39.6	51.5	25.3	15.7	20.3	22.6	16.6	12.0	11.7	9.24	11.8	15.6	14.0	14.2
25.		36.0	45.4	28.8	15.5	21.8	21.6	15.7	11.7	15.0	9.81	11.6	16.0	14.0	14.1
26.		32.7	41.0	24.4	15.8	20.6	21.1	15.0	11.1	14.1	10.4	11.0	15.0	13.4	14.0
27.		30.5	35.0	25.6	15.8	22.6	22.2	15.4	11.3	11.7	10.8	10.6	14.6	13.3	14.2
28.		28.6	34.9	37.6	16.1	23.8	23.0	16.6	11.2	16.6	10.3	10.7	13.6	13.6	13.7
29.		29.7	44.2	39.3		24.6	21.7	14.5	10.7	16.2	10.0	10.8	13.4	15.7	14.7
30.		36.3	53.5	32.8		27.1	20.3	13.8	11.0	14.1	9.96	10.8	14.7	15.2	14.4
31.			48.9	27.3		30.4		13.6		12.5	11.7		15.4		14.4

		1.	15.	22.	20.	1.	14.	31.	29.	20.	20.	27.	1.	23.	11.
Tag		1.	15.	22.	20.	1.	14.	31.	29.	20.	20.	27.	1.	23.	11.
NQ		24.0	20.6	20.6	14.8	16.3	18.0	13.6	10.7	7.43	7.97	10.6	10.4	13.2	12.7
MQ		48.6	33.6	31.2	18.7	28.3	24.0	19.4	12.8	11.6	10.4	12.4	25.3	15.2	15.0
HQ		109	66.6	68.9	29.1	67.1	34.2	44.8	20.4	23.8	20.3	24.8	71.2	25.9	26.8
Tag		5.	23.	3.	4.	13.	1.	18.	19.	30.	1.	14.	9.	14.	15.
h <sub>N</sub>	mm														
h <sub>A</sub>	mm	114	82	76	41	69	56	47	30	28	25	29	62	36	36

		1969/2002		1970/2003												34 Jahre	
Jahr		1969	1986	1972	1972	1972	1972	1998	1976	2003	1994	1992	1994	1986	1986		
NQ	m <sup>3</sup> /s	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	7.43	7.20	8.53	6.52	6.63	6.75		
MNQ	m <sup>3</sup> /s	13.8	14.9	13.9	14.5	17.0	23.5	21.4	18.1	15.9	15.0	14.7	13.2	14.0	15.0		
MQ	m <sup>3</sup> /s	22.5	25.0	21.4	23.4	28.9	34.8	33.7	31.0	30.1	27.1	24.4	21.0	22.7	25.1		
MHQ	m <sup>3</sup> /s	58.9	68.9	49.4	62.1	70.3	67.5	78.6	90.9	88.1	89.3	66.9	48.9	59.3	69.3		
HQ	m <sup>3</sup> /s	191	171	156	215	182	189	393	401	314	262	178	158	191	171		
Jahr		1972	1988	1982	1990	2000	1994	1999	1979	1981	1985	2002	1981	1972	1988		

		1969/2002		1970/2003												34 Jahre	
Mh <sub>N</sub>	mm																
Mh <sub>A</sub>	mm	53	61	52	51	70	82	82	73	73	66	57	51	54	61		

		Abflussjahr (*)				Kalenderjahr		Unter schreitungs dauer in Tagen	Unterschrittene Abflüsse m <sup>3</sup> /s				
		2003		Winter		Sommer			2003		1970/2003 34 Kalenderjahre	1970/2003 34 Kalenderjahre	
		Jahr	Datum	Winter	Sommer	Jahr	Datum	Abfluss- jahr (*) 2003	Kalender- jahr 2003	Obere Hüllwerte		Mittlere Werte	Untere Hüllwerte
NQ	m <sup>3</sup> /s	7.43	am 20.07.2003	14.8	7.43	7.43	am 20.07.2003	(365)	91.1	58.4	337	130	58.4
MQ	m <sup>3</sup> /s	23.0		30.9	15.3	18.7		364	76.8	57.8	244	114	57.8
HQ	m <sup>3</sup> /s	109	am 05.11.2002	109	71.2	71.2	am 09.10.2003	362	75.3	56.4	175	101	55.7
Nq	l/(s km <sup>2</sup> )	6.76		13.4	6.76	6.76		361	70.2	54.5	153	91.7	53.5
Mq	l/(s km <sup>2</sup> )	21.0		28.1	14.0	17.0		360	68.3	50.8	141	85.7	50.1
Hq	l/(s km <sup>2</sup> )	99.6		99.6	64.8	64.8		359	68.2	50.7	141	80.6	49.1
h <sub>N</sub>	mm							358	62.9	49.7	124	77.5	46.3
h <sub>A</sub>	mm							357	60.6	48.8	122	74.3	46.2
								356	58.4	48.7	117	71.1	44.7
								350	53.7	40.4	87.8	61.4	37.1
								340	48.8	34.1	71.3	52.5	33.0
								330	43.4	30.4	64.0	46.8	28.8
								320	38.9	27.3	61.0	43.4	26.9
								300	32.8	24.6	54.2	37.9	24.6
								270	27.1	21.9	46.0	32.0	20.2
								240	23.9	20.3	41.6	27.6	18.1
								210	21.8	17.0	37.4	24.3	16.5
								183	20.3	15.7	33.8	21.9	15.3
								150	16.5	14.4	28.3	19.5	13.5
								130	15.4	13.8	25.0	18.2	12.1
								120	14.6	13.6	23.4	17.6	11.2
								110	13.6	13.3	22.0	17.0	10.8
								100	12.4	12.4	21.0	16.4	10.1
								90	12.2	12.2	20.7	15.9	9.72
								80	11.8	11.8	19.8	15.4	9.57
								70	11.7	11.7	19.3	14.8	9.36
								60	11.5	11.5	18.1	14.2	9.18
								50	11.1	11.1	17.6	13.7	8.98
								40	10.9	10.9	17.4	13.1	8.76
								30	10.7	10.7	17.2	12.4	8.63
								25	10.4	10.4	17.0	12.1	8.57
								20	10.0	10.0	16.8	11.6	8.41
								15	9.73	9.73	16.6	11.1	8.08
								10	9.59	9.59	16.2	10.5	7.07
								9	9.59	9.59	16.2	10.3	7.03
								8	9.58	9.58	15.9	10.1	7.03
								7	9.47	9.47	15.8	9.73	6.92
								6	9.36	9.36	15.7	9.50	6.90
								5	9.24	9.24	15.6	9.31	6.90
								4	9.02	9.02	15.5	9.04	6.90
								3	8.04	8.04	15.3	8.71	6.87
								2	7.97	7.97	15.3	8.20	6.87
								1	7.68	7.68	15.3	7.59	6.75
								0	7.43	7.43	15.1	6.42	6.42

Extremwerte	Niedrigwasser				Hochwasser			
	m <sup>3</sup> /s		l/(s km <sup>2</sup> )		m <sup>3</sup> /s		l/(s km <sup>2</sup> )	
	Datum				Datum			
1	6.42	5.84	09.11.1969	401	365	18.06.1979	18.06.1979	
2				393	358	22.05.1999	22.05.1999	
3				314	286	20.07.1981	20.07.1981	
4				262	239	07.08.1985	07.08.1985	
5				256	233	12.08.2002	12.08.2002	
6				255	232	10.08.1970	10.08.1970	
7				244	222	07.06.1995	07.06.1995	
8				215	196			

A<sub>E0</sub> : 1099 km<sup>2</sup>

PNP :NN + 443.00 m

Lage: 1.9 km



Pegel : Rosenheim

Nr. 68209001

Gewässer : Mangfall mit Hammerbach

Gebiet : Inn

m<sup>3</sup>/s

Tageswerte	Tag	2001		2002														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
1.		15.0	64.9	37.9	32.6	47.2	41.1	35.0	18.3	14.8	17.5	26.7	49.3	24.0	34.1			
2.		14.8	80.6	29.3	31.0	43.8	40.3	32.9	17.0	14.7	30.2	42.4	43.3	24.2	32.3			
3.		13.4	65.3	26.9	28.5	42.3	39.1	31.3	17.1	14.6	21.3	30.7	38.9	40.9	35.2			
4.		13.6	53.5	23.2	27.3	34.3	38.5	28.7	17.0	20.1	27.0	26.0	36.7	75.3	34.6			
5.		14.6	59.3	21.2	24.4	30.6	37.1	28.0	16.0	21.8	39.2	28.4	41.1	91.1	31.8			
6.		15.2	63.9	20.2	24.1	28.1	34.1	26.3	15.3	18.6	43.4	27.6	39.6	68.3	30.9			
7.		14.2	75.0	20.5	27.2	26.8	31.1	24.2	15.4	16.9	132	24.3	49.4	56.6	30.0			
8.		18.8	60.8	20.2	28.8	27.3	28.8	23.1	15.8	17.0	92.5	20.6	45.9	53.7	26.8			
9.		18.1	51.4	18.6	26.8	28.0	25.8	23.2	16.7	16.2	57.4	18.8	40.9	53.6	24.4			
10.		17.2	44.9	17.4	30.1	26.4	24.1	23.5	19.6	15.2	48.4	19.1	37.3	70.2	23.0			
11.		16.3	38.8	16.5	29.2	25.1	23.3	24.0	25.3	14.1	76.0	22.8	34.1	68.2	23.2			
12.		15.1	36.3	16.9	25.5	24.2	22.0	23.4	23.7	13.3	192	19.6	32.6	76.8	22.6			
13.		14.8	35.1	17.5	23.4	22.2	22.4	22.9	18.6	14.3	140	19.9	42.6	62.9	21.0			
14.		16.4	27.8	16.6	24.1	21.6	22.7	21.0	17.4	15.3	91.2	17.9	39.4	55.9	21.1			
15.		15.6	26.3	16.5	25.2	21.2	24.2	18.3	15.9	14.7	69.9	16.3	38.6	52.9	20.6			
16.		14.8	24.9	16.1	25.6	21.7	23.1	18.9	15.6	15.6	55.1	16.6	37.4	49.7	20.9			
17.		14.2	23.7	15.8	24.3	21.6	21.2	18.4	15.2	16.7	48.9	16.6	38.2	47.7	23.8			
18.		14.3	22.2	16.1	20.0	20.9	20.3	17.3	15.1	30.9	43.3	16.2	59.0	44.3	35.8			
19.		14.2	20.3	15.3	19.4	24.3	19.4	27.8	14.6	30.9	38.4	16.0	47.5	42.2	30.9			
20.		13.5	19.5	16.2	19.1	119	22.2	28.9	14.6	23.5	33.2	18.6	42.6	43.4	23.5			
21.		13.6	19.8	19.6	21.7	111	26.7	26.9	15.2	19.3	31.7	35.1	38.4	38.9	26.6			
22.		13.7	20.3	22.3	21.1	130	24.5	23.7	16.2	18.4	34.2	35.5	35.9	37.4	42.5			
23.		18.3	19.4	20.7	22.3	133	22.0	21.2	16.4	17.6	25.2	32.7	34.3	45.0	60.6			
24.		17.0	18.5	20.0	24.2	87.9	44.9	19.9	17.4	16.8	21.4	114	35.9	39.6	51.5			
25.		18.7	20.1	21.3	32.1	70.5	60.2	18.0	18.8	18.0	21.8	108	33.6	36.0	45.4			
26.		48.9	20.6	22.5	50.3	60.9	51.8	20.0	16.3	24.3	21.6	65.8	30.8	32.7	41.0			
27.		44.0	19.4	22.7	43.7	53.3	50.9	19.9	14.3	25.4	21.9	67.4	29.8	30.5	35.0			
28.		35.0	21.4	50.9	54.4	47.3	45.7	23.9	15.7	23.1	21.8	96.0	28.1	28.6	34.9			
29.		32.6	39.9	46.9		42.8	40.6	27.4	17.2	20.4	18.1	67.1	22.3	29.7	44.2			
30.		45.6	69.1	40.7		41.5	37.6	24.3	15.7	18.4	18.0	56.2	22.7	36.3	53.5			
31.			48.6	35.4		42.7		20.2		17.5	17.7		22.3		48.9			
Tag		3.	24.	19.	20.	18.	19.	18.	27.	12.	1.	19.	31.	1.	15.			
NQ		13.4	18.5	15.3	19.1	20.9	19.4	17.3	14.3	13.3	17.5	16.0	22.3	24.0	20.6			
MQ		19.7	39.1	23.3	28.1	47.6	32.2	24.0	16.9	18.7	50.0	37.4	37.7	48.6	33.6			
HQ		71.3	87.9	57.9	62.8	173	80.1	37.2	30.3	35.6	256	178	70.0	109	66.6			
Tag		30.	2.	28.	28.	23.	24.	1.	11.	18.	12.	24.	18.	5.	23.			
hN	mm																	
hA	mm	46	95	57	62	116	76	58	40	45	122	88	92	114	82			
		1969/2001		1970/2002												33 Jahre		
Jahr		1969	1986	1972	1972	1972	1972	1998	1976	1976	1994	1992	1994	1986	1986			
NQ		6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	8.12	7.20	8.53	6.52	6.63	6.75			
MNQ		13.5	14.7	13.7	14.4	17.1	23.7	21.6	18.3	16.1	15.2	14.8	13.3	14.0	15.0			
MQ		21.8	24.7	21.1	23.5	29.0	35.1	34.2	31.6	30.7	27.6	24.7	20.8	23.0	25.4			
MHQ		57.3	69.0	48.8	63.1	70.4	68.5	79.6	93.1	90.0	91.4	68.2	48.2	60.3	70.5			
HQ		191	171	156	215	182	189	393	401	314	262	178	158	191	171			
Jahr		1972	1988	1982	1990	2000	1994	1999	1979	1981	1985	2002	1981	1972	1988			
		1969/2001		1970/2002												33 Jahre		
MhN	mm																	
MhA	mm	51	60	51	52	70	83	83	74	75	67	58	51	54	62			
		Abflussjahr (*)				Kalenderjahr				Unterschrittene Abflüsse m <sup>3</sup> /s								
		2002				2002				1970/2002		33 Jahre						
		Jahr		Datum		Winter		Sommer		Jahr		Datum						
NQ	m <sup>3</sup> /s	13.3		am 12.07.2002	13.4	13.3			13.3	am 12.07.2002								
MQ	m <sup>3</sup> /s	31.3			31.8	30.8			33.2									
HQ	m <sup>3</sup> /s	256		am 12.08.2002	173	256			256	am 12.08.2002								
Nq	l/(s km <sup>2</sup> )	12.1			12.2	12.1			12.1									
Mq	l/(s km <sup>2</sup> )	28.5			28.9	28.0			30.2									
Hq	l/(s km <sup>2</sup> )	233			157	233			233									
hN	mm																	
hA	mm	898			460	439			898									
		1970/2002 (*) 33 Jahre				1970/2002												
NQ	m <sup>3</sup> /s	6.42	am 09.11.1969	6.42	6.52	6.42	am 31.01.1972											
MNQ	m <sup>3</sup> /s	10.1		11.3	11.6	10.3												
MQ	m <sup>3</sup> /s	27.1		25.9	28.3	27.2												
MHQ	m <sup>3</sup> /s	184		127	160	183												
HQ	m <sup>3</sup> /s	401	am 18.06.1979	215	401	401	am 18.06.1979											
HQ <sub>1</sub>	m <sup>3</sup> /s	154		103	127	154												
HQ <sub>5</sub>	m <sup>3</sup> /s																	
MNq	l/(s km <sup>2</sup> )	9.15		10.3	10.6	9.39												
Mq	l/(s km <sup>2</sup> )	24.6		23.5	25.7	24.8												
MHq	l/(s km <sup>2</sup> )	167		115	146	167												
		1970/2002 (*) 33 Jahre				1970/2002												
MhN	mm																	
MhA	mm	777		374	402	782												
		Niedrigwasser				Hochwasser												
		m <sup>3</sup> /s		l/(s km <sup>2</sup> )		Datum		m <sup>3</sup> /s		l/(s km <sup>2</sup> )		cm		Datum				
1		6.42	5.84	09.11.1969	401	365	18.06.1979											
2					393	358	22.05.1999											
3					314	286	20.07.1981											
4					262	239	07.08.1985											
5					256	233	12.08.2002											
6					255	232	10.08.1970											
7					244	222	07.06.1995											
8					215	196	15.02.1990											
9					202	183	06.07.1997											
10					191	174	17.11.1972											

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

A<sub>E0</sub> : 1099 km<sup>2</sup>  
 PNP : NN + 443.00 m  
 Lage: 1.9 km



m<sup>3</sup>/s

Pegel : Rosenheim Nr. 68209001  
 Gewässer : Mangfall mit Hammerbach  
 Gebiet : Inn

Tageswerte	Tag	2000		2001																	
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez						
1.		15.1	17.7	14.6	14.6	17.9	44.8	44.3	17.6	20.8	14.2	23.7	25.0	15.0	64.9						
2.		15.1	17.0	14.3	14.5	17.5	38.5	44.1	18.1	19.4	14.2	32.2	22.9	14.8	80.6						
3.		15.0	16.7	15.3	15.6	17.9	35.5	41.6	21.3	18.0	15.0	26.9	21.3	13.4	65.3						
4.		17.7	16.2	16.0	41.4	22.8	34.3	39.7	27.6	16.1	18.7	24.6	19.1	13.6	53.5						
5.		20.1	15.7	15.1	51.8	39.0	35.2	38.1	24.6	15.3	28.3	25.1	17.9	14.6	59.3						
6.		19.9	15.2	15.9	42.2	36.7	33.7	37.7	22.3	15.0	22.1	56.1	17.4	15.2	63.9						
7.		17.8	14.7	18.4	34.5	28.5	36.1	35.1	24.0	15.2	16.1	58.6	17.7	14.2	75.0						
8.		16.8	14.4	21.5	33.0	26.7	48.3	32.6	22.5	16.2	15.6	62.9	17.0	18.8	60.8						
9.		16.4	14.6	23.7	39.1	37.1	55.6	29.8	27.2	16.6	16.4	115	16.9	18.1	51.4						
10.		17.3	14.5	22.7	38.0	43.6	50.5	28.9	62.5	15.5	38.2	76.8	17.2	17.2	44.9						
11.		17.7	14.3	22.5	30.8	42.4	50.9	28.6	105	15.4	42.1	60.7	16.1	16.3	38.8						
12.		18.1	13.9	24.1	26.9	43.6	59.2	28.1	73.8	15.3	28.5	50.7	15.9	15.1	36.3						
13.		17.5	13.9	22.4	24.5	48.9	54.6	27.4	58.8	15.3	24.0	47.3	15.0	14.8	35.1						
14.		16.2	14.1	19.2	25.9	52.2	49.1	25.0	51.3	15.6	19.2	50.0	15.0	16.4	27.8						
15.		15.2	13.8	17.1	24.9	57.6	48.6	25.3	43.4	14.8	17.0	53.8	15.1	15.6	26.3						
16.		15.6	14.3	16.0	22.6	55.8	60.4	28.9	39.4	16.5	16.4	53.7	18.5	14.8	24.9						
17.		15.1	14.7	15.9	20.9	51.7	52.8	25.7	48.4	15.9	17.7	65.9	20.3	14.2	23.7						
18.		15.1	14.9	15.9	19.4	59.1	47.1	27.0	45.4	15.8	17.0	59.6	17.3	14.3	22.2						
19.		15.1	35.6	15.1	18.1	54.6	43.8	28.9	128	15.4	16.1	50.0	13.7	14.2	20.3						
20.		15.0	45.3	14.5	17.9	49.2	47.9	26.0	96.1	15.2	15.8	43.8	13.8	13.5	19.5						
21.		15.4	28.9	14.3	17.5	52.9	56.1	23.2	71.2	20.5	15.1	40.0	14.9	13.6	19.8						
22.		15.8	23.3	14.7	21.0	56.6	54.7	22.0	55.6	24.6	14.4	37.0	17.0	13.7	20.3						
23.		15.4	19.6	14.2	29.4	61.4	50.7	20.9	47.6	21.6	14.7	36.8	16.2	18.3	19.4						
24.		15.4	17.3	14.1	31.3	70.8	48.2	19.5	40.8	19.6	14.5	35.9	16.6	17.0	18.5						
25.		19.5	15.5	18.9	26.2	69.1	48.1	17.9	35.0	19.0	13.5	33.3	19.1	18.7	20.1						
26.		20.1	15.0	26.1	22.3	69.8	52.7	17.9	29.1	19.2	13.4	37.8	18.2	48.9	20.6						
27.		18.9	14.4	23.1	19.7	60.2	48.4	17.9	25.7	17.2	13.5	37.1	15.8	44.0	19.4						
28.		18.4	15.1	19.3	19.0	52.6	45.9	17.1	24.5	15.3	14.1	33.1	14.8	35.0	21.4						
29.		19.0	16.7	16.1	46.4	44.6	46.4	16.1	23.4	14.8	13.4	28.4	14.7	32.6	39.9						
30.		18.3	15.4	15.2	44.5	45.1	44.5	16.8	22.0	15.8	13.4	25.1	15.2	45.6	69.1						
31.		15.0	14.9	14.6	17.9	48.9	16.6	16.6	14.6	14.6	13.4	13.4	15.4	15.4	48.6						
Hauptwerte	Tag	20.	15.	24.	2.	2.	6.	29.	1.	31.	30.	1.	19.	3.	24.						
	NQ	15.0	13.8	14.1	14.5	17.5	33.7	16.1	17.6	14.6	13.4	23.7	13.7	13.4	18.5						
	MQ	16.9	17.7	17.8	26.5	46.4	47.4	27.4	44.4	16.9	18.3	46.1	17.1	19.7	39.1						
	HQ	25.3	59.2	33.6	68.6	77.1	67.7	47.6	178	27.7	60.7	149	29.3	71.3	87.9						
	Tag	6.	19.	26.	4.	24.	16.	1.	19.	22.	10.	9.	16.	30.	2.						
	h <sub>N</sub>	mm																			
	h <sub>A</sub>	mm	40	43	43	58	113	112	67	105	41	44	109	42	46	95					
			1969/2000		1970/2001												32 Jahre				
	Jahr		1969	1986	1972	1972	1972	1972	1998	1976	1976	1994	1992	1994	1986	1986					
	NQ	m <sup>3</sup> /s	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	8.12	7.20	8.53	6.52	6.63	6.75					
	MNQ	m <sup>3</sup> /s	13.5	14.6	13.7	14.3	16.9	23.8	21.7	18.4	16.2	15.1	14.8	13.0	13.7	14.8					
	MQ	m <sup>3</sup> /s	21.8	24.3	21.0	23.4	28.4	35.2	34.5	32.0	31.1	26.9	24.3	20.3	22.2	25.2					
	MHQ	m <sup>3</sup> /s	56.9	68.4	48.5	63.1	67.2	68.1	80.9	95.0	91.7	86.3	64.7	47.5	58.7	70.7					
HQ	m <sup>3</sup> /s	191	171	156	215	182	189	393	401	314	262	149	158	191	171						
Jahr		1972	1988	1982	1990	2000	1994	1999	1979	1981	1985	2001	1981	1972	1988						
		1969/2000		1970/2001												32 Jahre					
Mh <sub>N</sub>	mm	51	59	51	51	69	83	84	76	76	65	57	49	52	61						
Mh <sub>A</sub>	mm																				
Extremwerte	Niedrigwasser				Hochwasser				Dauertabelle	Unter schreitungs dauer in Tagen	Unterschrittene Abflüsse m <sup>3</sup> /s										
	m <sup>3</sup> /s		l/(s km <sup>2</sup> )		Datum		m <sup>3</sup> /s				l/(s km <sup>2</sup> )		cm		Datum		Abfluss-jahr (*) 2001	Kalender-jahr 2001	1970/2001 Obere Hüllwerte	32 Kalenderjahre Mittlere Werte	Untere Hüllwerte
	1	6.42	5.84	09.11.1969	401	365	18.06.1979	364			115	115	244	113	57.8	362	105	105	175	99.6	55.7
	2				393	358	22.05.1999	361			96.1	96.1	153	91.0	53.5	360	76.8	80.6	141	84.7	50.1
	3				314	286	20.07.1981	359			73.8	76.8	141	80.2	49.1	358	71.2	75.0	124	77.5	46.3
	4				262	239	07.08.1985	357			70.8	73.8	122	74.3	46.2	356	69.8	71.2	117	71.1	44.7
	5				255	232	10.08.1970	350			60.7	65.3	87.8	61.6	37.1	340	56.1	59.6	71.3	52.6	33.0
	6				244	222	07.06.1995	330			52.9	55.8	64.0	46.8	28.8	320	50.7	52.8	61.0	43.5	26.9
	7				215	196	15.02.1990	300			45.4	48.6	54.2	37.9	24.6	270	37.1	41.6	46.0	32.2	20.2
	8				202	183	06.07.1997	240			28.5	34.5	41.6	27.8	18.1	210	24.0	26.7	37.4	24.4	16.5
	9				191	174	17.11.1972	183			20.8	23.2	33.8	22.0	15.3	150	18.0	19.5	28.9	19.5	13.5
	10				189	172	13.04.1994	130			17.3	18.4	25.0	18.2	12.1	120	17.0	17.9	23.4	17.6	11.2
	10				114	143		110			16.4	17.3	22.0	17.1	10.8	100	16.1	17.0	21.0	16.5	10.1

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

A<sub>Eo</sub> : 1099 km<sup>2</sup>  
 PNP :NN + 443.00 m  
 Lage: 1.9 km



Pegel : Rosenheim Nr. 68209001  
 Gewässer : Mangfall mit Hammerbach  
 Gebiet : Inn

Tag	1999		2000												
	Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	
1.	9.88	14.5	28.4	48.2	34.7	51.1	52.4	56.3	22.0	37.5	19.9	21.3	15.1	17.7	
2.	9.63	25.6	31.7	43.1	37.2	47.6	59.6	42.7	21.7	32.7	19.1	32.6	15.1	17.0	
3.	10.5	36.7	30.7	43.2	37.0	45.9	56.1	36.7	21.1	34.1	19.0	66.8	15.0	16.7	
4.	17.2	31.7	27.0	39.0	41.1	45.1	55.4	31.8	33.0	55.5	22.3	53.9	17.7	16.2	
5.	14.1	36.3	28.7	36.3	43.7	48.1	58.3	29.4	45.8	45.0	30.5	42.1	20.1	15.7	
6.	12.6	30.8	27.5	38.5	39.1	61.7	51.9	34.6	39.5	51.6	30.9	43.1	19.9	15.2	
7.	13.0	25.4	24.4	37.8	32.6	53.2	49.2	47.9	34.2	78.1	33.0	61.8	17.8	14.7	
8.	13.3	27.7	22.9	39.3	29.3	49.5	47.6	39.7	35.5	62.7	42.5	71.4	16.8	14.4	
9.	18.1	28.2	21.5	63.9	38.7	46.7	45.9	33.7	37.4	57.3	38.2	55.3	16.4	14.6	
10.	45.2	26.4	21.7	56.6	68.2	44.3	44.9	29.6	37.3	50.4	34.3	48.3	17.3	14.5	
11.	37.0	25.4	20.7	50.2	72.8	41.6	43.3	28.7	40.8	43.5	29.8	41.3	17.7	14.3	
12.	29.4	24.3	21.3	47.6	66.9	42.4	45.6	26.9	72.0	39.0	26.7	37.0	18.1	13.9	
13.	23.9	32.3	20.7	42.5	59.4	43.8	50.9	25.5	72.7	36.7	25.0	34.5	17.5	13.9	
14.	20.4	30.5	19.5	48.8	52.7	41.3	44.6	26.3	60.3	32.4	21.0	31.0	16.2	14.1	
15.	19.4	31.7	17.1	45.3	61.6	39.6	41.5	38.5	62.6	29.1	20.4	26.6	15.2	13.8	
16.	17.9	28.4	15.5	50.8	60.6	43.5	38.7	36.7	59.3	25.5	21.6	24.8	15.6	14.3	
17.	16.7	25.2	15.4	45.9	110	44.9	38.3	36.1	53.6	21.5	28.3	23.8	15.1	14.7	
18.	16.5	26.4	18.2	41.9	149	47.1	43.6	33.8	46.4	21.7	30.2	24.3	15.1	14.9	
19.	16.5	79.1	20.1	53.0	85.5	47.0	47.4	28.6	38.9	20.5	26.3	24.0	15.1	35.6	
20.	16.5	60.7	18.1	54.3	73.8	45.9	43.7	25.9	34.7	18.9	23.8	22.6	15.0	45.3	
21.	16.1	44.4	16.7	46.9	65.5	45.7	41.0	24.8	31.8	18.6	50.3	18.7	15.4	28.9	
22.	15.8	31.8	16.8	41.8	59.3	50.8	40.8	22.2	29.8	19.8	95.2	16.9	15.8	23.3	
23.	15.5	28.2	17.1	35.5	55.7	53.3	38.5	37.0	27.5	19.6	61.7	16.3	15.4	19.6	
24.	17.6	27.7	17.9	32.6	55.5	56.9	35.3	37.8	27.7	19.6	54.1	15.8	15.4	17.3	
25.	20.9	27.7	17.9	40.6	57.7	53.3	31.0	37.8	32.9	16.3	48.9	14.7	19.5	15.5	
26.	19.2	46.3	17.4	50.5	56.6	51.8	27.9	36.1	34.8	14.4	39.8	15.4	20.1	15.0	
27.	16.7	60.6	17.7	45.9	67.4	50.8	27.8	31.5	36.2	13.5	31.4	16.8	18.9	14.4	
28.	17.0	51.7	17.4	45.3	65.3	52.0	26.6	26.3	33.3	14.2	25.9	16.7	18.4	15.1	
29.	15.7	42.8	18.3	38.7	59.4	54.5	27.9	24.1	35.2	14.1	24.0	15.6	19.0	16.7	
30.	14.7	36.8	50.7		58.9	53.0	26.9	22.7	34.7	14.2	22.6	14.8	18.3	15.4	
31.		31.0	63.7		59.0		47.2		43.7	16.0		14.8		14.9	
Tag	2.	1.	17.	24.	8.	15.	28.	22.	3.	27.	3.	25.	20.	15.	
NQ	9.63	14.5	15.4	32.6	29.3	39.6	26.6	22.2	21.1	13.5	19.0	14.7	15.0	13.8	
MQ	18.2	34.7	23.3	45.0	59.8	48.4	42.9	33.0	39.9	31.4	33.2	31.1	16.9	17.7	
HQ	50.1	103	86.4	77.3	182	70.7	72.1	65.3	98.4	90.4	117	79.7	25.3	59.2	
Tag	10.	19.	30.	9.	18.	6.	31.	1.	12.	7.	22.	8.	6.	19.	
hN mm			1970/2000 31 Jahre												
hA mm	43	84	57	102	146	114	104	78	97	76	78	76	40	43	
1969/1999			1970/2000 31 Jahre												
Jahr	1969	1986	1972	1972	1972	1972	1998	1976	1976	1994	1992	1994	1986	1986	
NQ	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	8.12	7.20	8.53	6.52	6.63	6.75	
MNQ	13.4	14.6	13.7	14.3	16.9	23.5	21.9	18.4	16.3	15.1	14.5	13.0	13.7	14.7	
MQ	22.0	24.5	21.2	23.3	27.8	34.8	34.7	31.6	31.5	27.1	23.6	20.4	22.3	24.7	
MHQ	57.9	68.7	49.0	63.0	66.9	68.1	82.0	92.3	93.8	87.1	62.0	48.1	58.3	70.1	
HQ	191	171	156	215	182	189	393	401	314	262	125	158	191	171	
Jahr	1972	1988	1982	1990	2000	1994	1999	1979	1981	1985	1995	1981	1972	1988	
1969/1999			1970/2000 31 Jahre												
MhN mm			1970/2000 31 Jahre												
MhA mm	52	60	52	53	68	82	85	75	77	66	56	50	52	60	
Abflussjahr (*)			2000			Kalenderjahr			Unterschrittene Abflüsse m <sup>3</sup> /s						
			Jahr	Datum	Winter	Sommer	Jahr	Datum	Unter schreitungs dauer in Tagen	Abfluss- jahr (*) 2000	Kalender jahr 2000	1970/2000 31 Kalenderjahre			
												Obere Hüllwerte	Mittlere Werte	Untere Hüllwerte	
NQ	m <sup>3</sup> /s	9.63	am 02.11.1999		9.63	13.5	13.5	am 27.08.2000	(365)	110	110	337	126	60.6	
MQ	m <sup>3</sup> /s	36.7		36.7	35.3	35.2	35.2		364	95.2	95.2	244	113	57.8	
HQ	m <sup>3</sup> /s	182	am 18.03.2000	182	117	182	182	am 18.03.2000	362	85.5	85.5	175	99.6	55.7	
Nq	l/(s km <sup>2</sup> )	8.77		8.77	12.3	12.3	12.3		361	79.1	78.1	153	91.0	53.5	
Mq	l/(s km <sup>2</sup> )	33.4		34.8	32.1	32.0	32.0		360	78.1	73.8	141	85.0	50.1	
Hq	l/(s km <sup>2</sup> )	165		165	107	165	165		359	73.8	72.8	141	80.3	49.1	
hN	mm									358	72.8	72.7	124	77.5	46.3
hA	mm	1054			556	502	1057			357	72.7	72.0	122	74.3	46.2
1970/2000 (*) 31 Jahre															
NQ	m <sup>3</sup> /s	6.42	am 09.11.1969	6.42	6.52	6.42	am 31.01.1972								
MNQ	m <sup>3</sup> /s	9.84		11.2	11.5	10.1									
MQ	m <sup>3</sup> /s	26.9		25.6	28.2	26.9									
MHQ	m <sup>3</sup> /s	181		127	157	181									
HQ	m <sup>3</sup> /s	401	am 18.06.1979	215	401	401	am 18.06.1979								
HQ <sub>1</sub>	m <sup>3</sup> /s	150			103	123	150								
HQ <sub>5</sub>	m <sup>3</sup> /s														
MNq	l/(s km <sup>2</sup> )	8.95			10.2	10.5	9.22								
Mq	l/(s km <sup>2</sup> )	24.5			23.3	25.6	24.5								
MHq	l/(s km <sup>2</sup> )	165			115	142	165								
1970/2000 (*) 31 Jahre															
MhN	mm														
MhA	mm	772			370	401	775								
Niedrigwasser			Hochwasser												
m <sup>3</sup> /s			l/(s km <sup>2</sup> )			cm									
Datum			Datum			Datum									
1	6.42	5.84	09.11.1969	401	365	18.06.1979									
2				393	358	22.05.1999									
3				314	286	20.07.1981									
4				262	239	07.08.1985									
5				255	232	10.08.1970									
6				244	222	07.06.1995									
7				215	196	15.02.1990									
8				202	183	06.07.1997									
9				191	174	17.11.1972									
10				189	172	13.04.1994									

(\*) Abflussjahr: 1.11. des Vorjahres bis 31.10.  
 Bayer. Landesamt für Wasserwirtschaft

A<sub>Eo</sub> : 1099 km<sup>2</sup>

PNP : NN + 443.00 m

Lage: 1.9 km



m<sup>3</sup>/s

Pegel : Rosenheim

Nr. 68209001

Gewässer : Mangfall mit Hammerbach

Gebiet : Inn

	Tag	1998		1999														
		Nov	Dez	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez			
Tageswerte	1.	35.7	19.4	19.3	14.9	37.9	35.4	47.6	64.3	30.6	23.7	16.7	21.9	9.88	14.5			
	2.	45.2	18.9	18.9	15.0	61.1	35.0	46.4	53.4	30.5	22.0	17.9	21.1	9.63	25.6			
	3.	37.8	19.2	18.7	15.0	68.4	35.3	45.2	54.6	29.2	20.5	17.8	18.3	10.5	36.7			
	4.	32.5	18.7	19.1	17.3	59.7	37.3	43.9	54.1	28.4	20.8	18.7	24.1	17.2	31.7			
	5.	35.9	17.4	20.8	32.0	59.3	58.4	42.5	50.6	28.7	21.4	27.9	24.1	14.1	36.3			
	6.	32.5	17.1	21.6	31.1	52.5	56.4	43.9	45.9	27.5	20.9	20.2	26.0	12.6	30.8			
	7.	29.3	16.8	21.0	23.5	48.4	55.0	50.0	41.3	27.5	18.9	29.1	23.3	13.0	25.4			
	8.	25.9	16.3	25.4	21.1	45.5	59.1	46.5	37.4	42.9	18.4	29.3	20.7	13.3	27.7			
	9.	42.3	15.2	33.6	19.1	52.3	55.7	61.3	36.9	63.9	18.2	24.7	18.1	18.1	28.2			
	10.	76.3	15.4	29.6	18.3	47.8	49.1	54.2	38.7	74.2	21.4	21.8	17.0	45.2	26.4			
	11.	95.0	16.5	25.3	17.6	45.4	46.1	49.1	48.3	68.8	21.4	20.3	15.8	37.0	25.4			
	12.	69.3	25.0	22.5	17.1	43.3	48.6	106	45.7	65.6	22.2	18.7	15.4	29.4	24.3			
	13.	57.1	57.3	21.0	17.0	46.5	45.3	126	41.6	55.8	22.5	16.2	15.2	23.9	32.3			
	14.	49.4	68.7	20.4	15.8	48.2	42.5	96.6	38.2	49.4	21.2	15.5	14.6	20.4	30.5			
	15.	44.7	65.4	19.7	15.4	50.5	39.6	82.9	36.0	50.4	21.6	15.1	13.7	19.4	31.7			
	16.	51.3	53.7	18.6	15.1	50.8	37.3	71.2	36.5	43.2	20.6	15.0	11.4	17.9	28.4			
	17.	50.8	46.6	16.9	15.4	47.6	39.4	61.7	34.0	40.1	21.2	15.7	11.4	16.7	25.2			
	18.	42.4	41.6	17.6	14.7	43.7	42.4	53.6	36.7	35.9	19.7	16.0	12.6	16.5	26.3			
	19.	35.4	38.0	16.6	18.3	40.4	46.6	48.4	44.1	29.7	22.1	15.7	11.7	16.5	79.1			
	20.	31.5	34.9	16.2	106	38.0	40.2	47.8	38.4	25.0	24.6	14.5	11.5	16.5	60.7			
	21.	27.6	31.0	16.1	132	33.8	34.7	162	35.4	23.5	23.4	13.2	11.6	16.1	44.3			
	22.	24.6	27.5	15.1	124	31.0	40.8	337	50.0	24.2	20.6	11.6	10.7	15.8	31.8			
	23.	24.4	26.2	14.5	76.8	30.5	41.8	232	55.4	18.6	11.6	9.82	15.5	28.1	28.1			
	24.	23.6	24.7	15.3	58.8	36.0	45.1	153	46.2	76.6	18.1	12.8	9.89	17.6	27.6			
	25.	23.6	23.1	16.5	48.4	37.2	46.4	113	38.2	53.8	17.8	12.5	9.80	20.9	27.6			
	26.	22.2	22.5	16.5	41.5	39.5	44.5	122	35.5	45.8	17.2	14.4	9.40	19.2	46.3			
	27.	21.2	22.6	15.9	38.3	40.9	45.8	88.6	37.4	38.6	17.5	20.0	9.22	16.7	60.6			
	28.	20.6	23.3	16.0	37.3	42.4	47.3	75.5	38.0	34.0	19.1	16.6	9.25	17.0	51.6			
	29.	21.4	22.6	16.8	40.4	42.4	45.3	80.7	34.8	32.0	19.0	16.5	10.7	15.7	42.7			
	30.	21.4	21.0	16.1	38.5	46.6	66.6	31.6	30.0	19.2	16.7	10.6	14.7	36.8	30.9			
	31.		19.7	15.7			35.6		61.7	26.6	17.5		10.1					
Hauptwerte	Tag	28.	9.	23.	18.	23.	21.	5.	30.	21.	26.	23.	27.	2.	1.			
	NQ	20.6	15.2	14.5	14.7	30.5	34.7	42.5	31.6	23.5	17.2	11.6	9.22	9.63	14.5			
	MQ	38.4	28.6	19.3	36.3	44.9	44.8	87.7	42.6	41.1	20.4	17.7	14.8	18.2	34.7			
	HQ	104	94.4	36.4	168	81.2	75.3	393	71.5	94.6	31.8	39.3	37.3	50.1	103			
	Tag	11.	13.	9.	20.	2.	5.	22.	1.	24.	17.	7.	6.	10.	19.			
	h <sub>N</sub>	mm																
	h <sub>A</sub>	mm	90	70	47	80	110	106	214	100	100	50	42	36	43	84		
			1969/1998		1970/1999												30 Jahre	
	Jahr		1969	1986	1972	1972	1972	1972	1998	1976	1976	1994	1992	1994	1986	1986		
	NQ	m <sup>3</sup> /s	6.42	6.75	6.42	7.41	7.88	9.10	11.6	9.61	8.12	7.20	8.53	6.52	6.63	6.75		
	MNQ	m <sup>3</sup> /s	13.5	14.6	13.6	13.7	16.5	22.9	21.8	18.3	16.1	15.2	14.3	13.0	13.6	14.8		
	MQ	m <sup>3</sup> /s	22.1	24.2	21.1	22.6	26.7	34.4	34.5	31.6	31.3	27.0	23.3	20.1	22.4	25.0		
	MHQ	m <sup>3</sup> /s	58.2	67.5	47.8	62.5	63.1	68.1	82.3	93.2	93.6	87.0	60.2	47.1	59.4	70.5		
	HQ	m <sup>3</sup> /s	191	171	156	215	166	189	393	401	314	262	125	158	191	171		
	Jahr		1972	1988	1982	1990	1987	1994	1999	1979	1981	1985	1995	1981	1972	1988		
		1969/1998		1970/1999												30 Jahre		
Mh <sub>N</sub>	mm																	
Mh <sub>A</sub>	mm	52	59	51	50	65	81	84	74	76	66	55	49	53	61			
Dauertabelle	Abflussjahr (*)		1999				1999				1970/1999				Unterschnittene Abflüsse m <sup>3</sup> /s			
	Jahr	Datum	Winter		Sommer		Jahr	Datum			Abfluss-jahr (*)		Kalender-jahr	1970/1999		30 Kalenderjahre		
	NQ	m <sup>3</sup> /s	9.22	am 27.10.1999	14.5	9.22	9.22	am 27.10.1999			Unterschreitungs-dauer in Tagen				Obere Hüllwerte		Untere Hüllwerte	
	MQ	m <sup>3</sup> /s	36.4		35.3	37.5	35.2											
	HQ	m <sup>3</sup> /s	393	am 22.05.1999	168	393	393	am 22.05.1999										
	Nq	l/(s km <sup>2</sup> )	8.39		13.2	8.39	8.39											
	Mq	l/(s km <sup>2</sup> )	33.1		32.1	34.1	32.1											
	Hq	l/(s km <sup>2</sup> )	358		153	358	358											
	h <sub>N</sub>	mm																
	h <sub>A</sub>	mm	1044		510	533	1044											
			1970/1999 (*)				1970/1999											
	NQ	m <sup>3</sup> /s	6.42	am 09.11.1969	6.42	6.52	6.42	am 31.01.1972										
	MNQ	m <sup>3</sup> /s	9.85		11.2	11.5	10.0											
	MQ	m <sup>3</sup> /s	26.6		25.2	27.9	26.7											
	MHQ	m <sup>3</sup> /s	181		125	158	181											
	HQ	m <sup>3</sup> /s	401	am 18.06.1979	215	401	401	am 18.06.1979										
	HQ <sub>1</sub>	m <sup>3</sup> /s	150		103	125	150											
	HQ <sub>5</sub>	m <sup>3</sup> /s																
	MNq	l/(s km <sup>2</sup> )	8.96		10.2	10.4	9.12											
	Mq	l/(s km <sup>2</sup> )	24.2		22.9	25.4	24.3											
	MHQ	l/(s km <sup>2</sup> )	165		114	144	164											
			1970/1999 (*)				1970/1999											
	Mh <sub>N</sub>	mm																
	Mh <sub>A</sub>	mm	762		364	398	765											
Extremwerte	Niedrigwasser		Hochwasser															
		m <sup>3</sup> /s	l/(s km <sup>2</sup> )	Datum	m <sup>3</sup> /s	l/(s km <sup>2</sup> )	cm	Datum										
	1	6.42	5.84	09.11.1969	401	365		18.06.1979										
	2				393	358		22.05.1999										
	3				314	286		20.07.1981										
	4				262	239		07.08.1985										
	5				255	232		10.08.1970										
	6				244	222		07.06.1995										
	7				215	196		15.02.1990										
	8				202	183		06.07.1997										
	9				191	174		17.11.1972										
10				189	172		13.04.1994											

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



A<sub>E0</sub> : 1099 km<sup>2</sup>  
PNP : NN + 443.00 m  
Lage: 1.9 km



Pegel : Rosenheim Nr. 68209001  
Gewässer : Mangfall mit Hammerbach  
Gebiet : Inn

Table with columns for Tag (1-31), 1998 (Nov, Dez), 1999 (Jan-Dec), and Hauptwerte (Abflussjahr, Kalenderjahr, Dauertabelle, Extremwerte). Includes sub-tables for 30-year averages and extreme values.

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