

UPPER MISSISSIPPI RIVER MAIN STEM--Continued

05288705 SHINGLE CREEK AT QUEEN AVE. IN MINNEAPOLIS, MN

LOCATION.-- Lat 45°03'00", long 93°18'36", in NE¹/₄NW¹/₄ sec. 11, T.118 N., R.21 W., Hennepin County, Hydrologic Unit 07010206, at bridge over Shingle Creek at intersection of Queen Avenue North and 52nd Avenue North in Minneapolis.

DRAINAGE AREA.-- 28.2 mi².

PERIOD OF RECORD.-- May 1996 to September 1999, May 2001 to current year.

GAGE.-- Water-stage recorder. Elevation of gage is 850 ft above sea level (from topographic map).

REMARKS.-- Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	30	7.6	35	4.8
2	---	---	---	---	---	---	---	---	28	6.6	35	4.5
3	---	---	---	---	---	---	---	e70	24	5.7	29	3.8
4	---	---	---	---	---	---	---	64	21	7.9	21	3.1
5	---	---	---	---	---	---	---	58	29	11	12	2.8
6	---	---	---	---	---	---	---	72	26	7.7	6.9	4.1
7	---	---	---	---	---	---	---	78	22	6.1	5.0	33
8	---	---	---	---	---	---	---	69	18	5.0	4.7	27
9	---	---	---	---	---	---	---	59	16	3.8	4.0	20
10	---	---	---	---	---	---	---	50	27	3.0	3.1	13
11	---	---	---	---	---	---	---	43	27	2.4	3.0	8.1
12	---	---	---	---	---	---	---	37	26	1.8	17	5.9
13	---	---	---	---	---	---	---	33	47	1.5	11	4.3
14	---	---	---	---	---	---	---	29	52	1.2	6.0	3.5
15	---	---	---	---	---	---	---	27	58	1.1	8.0	3.4
16	---	---	---	---	---	---	---	24	44	.96	12	3.4
17	---	---	---	---	---	---	---	21	37	42	8.1	1.9
18	---	---	---	---	---	---	---	18	70	32	61	1.5
19	---	---	---	---	---	---	---	16	46	23	57	1.8
20	---	---	---	---	---	---	---	23	43	20	47	4.0
21	---	---	---	---	---	---	---	51	39	11	36	11
22	---	---	---	---	---	---	---	61	34	14	22	32
23	---	---	---	---	---	---	---	65	30	22	11	60
24	---	---	---	---	---	---	---	64	26	19	7.0	42
25	---	---	---	---	---	---	---	67	23	11	5.7	35
26	---	---	---	---	---	---	---	67	19	5.1	4.8	26
27	---	---	---	---	---	---	---	61	17	3.9	4.1	16
28	---	---	---	---	---	---	---	54	14	4.8	3.5	10
29	---	---	---	---	---	---	---	46	13	3.2	4.3	7.1
30	---	---	---	---	---	---	---	39	9.5	2.4	7.2	5.5
31	---	---	---	---	---	---	---	34	---	2.0	6.5	---
TOTAL	---	---	---	---	---	---	---	---	915.5	288.76	497.9	398.5
MEAN	---	---	---	---	---	---	---	---	30.5	9.31	16.1	13.3
MAX	---	---	---	---	---	---	---	---	70	42	61	60
MIN	---	---	---	---	---	---	---	---	9.5	.96	3.0	1.5
AC-FT	---	---	---	---	---	---	---	---	1820	573	988	790
CFSM	---	---	---	---	---	---	---	---	1.08	.33	.57	.47
IN.	---	---	---	---	---	---	---	---	1.21	.38	.66	.53

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	19.5	15.0	6.30	5.15	7.10	17.2	29.9	33.5	24.9	23.2	17.8	9.17
MAX	185	28.2	9.21	7.25	11.3	24.3	32.1	54.3	34.8	54.1	29.4	16.5
(WY)	2000	1997	1997	1997	1999	1997	1998	1996	1996	1997	1997	1997
MIN	9.18	5.22	3.49	3.05	5.72	12.8	27.1	13.3	7.47	7.92	5.04	2.92
(WY)	1997	1998	2000	1998	1997	1999	1999	1997	1997	1996	1996	1996

SUMMARY STATISTICS

FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	3500.66	
ANNUAL MEAN	23.2	18.9
HIGHEST ANNUAL MEAN		19.7 1997
LOWEST ANNUAL MEAN		12.1 1998
HIGHEST DAILY MEAN	78 May 7	136 May 19 1996
LOWEST DAILY MEAN	.96 Jul 16	.13a Oct 13 1996
ANNUAL SEVEN-DAY MINIMUM		.14 Oct 8 1996
MAXIMUM PEAK FLOW	186 Jun 18	225 Jul 1 1997
MAXIMUM PEAK STAGE	12.52 Jun 18	13.07 Jul 1 1997
INSTANTANEOUS LOW FLOW	.68 Jul 16	.11a Oct 11 1996
ANNUAL RUNOFF (AC-FT)		13670
ANNUAL RUNOFF (CFSM)		.67
ANNUAL RUNOFF (INCHES)		9.09
10 PERCENT EXCEEDS		47
50 PERCENT EXCEEDS		10
90 PERCENT EXCEEDS		3.2

a Minimum observed.
e Estimated.

