

## 05288705 SHINGLE CREEK AT QUEEN AVE. IN MINNEAPOLIS, MN

LOCATION.-- Lat 45°03'00", long 93°18'36", in NE $\frac{1}{4}$ NW $\frac{1}{4}$  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 mi<sup>2</sup>.

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 good to fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	30	3.7	2.7	e0.54	8.0	32	6.3	6.0	36	1.3	4.6
2	8.7	21	3.4	2.5	e0.80	6.6	25	5.4	5.6	28	0.77	2.7
3	7.5	13	3.1	1.9	e1.2	8.2	17	4.5	4.5	28	1.1	6.3
4	4.7	9.8	3.1	1.8	e2.0	20	11	3.7	7.2	22	1.8	140
5	3.5	8.3	2.7	1.7	e2.0	35	11	3.5	10	15	e0.74	85
6	2.7	7.6	2.7	1.8	e2.0	42	11	4.1	9.2	13	e0.58	66
7	2.5	6.5	3.4	1.5	e3.1	43	12	3.5	15	13	e0.29	43
8	3.2	5.0	3.1	1.2	e5.0	43	10	6.4	46	13	e0.39	29
9	2.7	4.2	3.0	e1.0	e7.6	25	7.8	14	41	11	2.2	18
10	2.4	4.4	4.7	e0.82	e11	21	7.3	14	44	9.4	2.3	11
11	3.7	4.1	4.3	e0.68	e17	16	13	12	40	7.7	1.1	7.7
12	4.7	5.2	4.2	e0.58	e25	8.7	22	16	35	7.3	e0.78	13
13	8.6	5.3	2.6	e0.48	e39	9.6	19	26	33	8.2	e0.44	40
14	9.4	4.6	3.1	e0.40	63	4.0	13	24	36	6.4	e0.31	31
15	11	4.6	3.0	e0.41	60	3.2	10	21	30	6.7	e0.12	24
16	12	4.8	2.9	e0.41	56	2.9	31	16	24	5.6	1.7	15
17	11	5.7	2.7	e0.40	41	2.5	38	14	18	5.1	10	9.6
18	15	5.2	3.0	e0.41	35	2.3	33	26	14	5.0	5.5	6.9
19	12	10	2.2	e0.42	28	5.3	35	34	11	3.8	4.5	19
20	12	13	2.5	e0.44	27	3.6	37	33	27	8.4	2.2	16
21	11	12	2.8	e0.45	24	2.7	30	26	30	6.4	1.1	34
22	12	9.3	1.7	e0.47	20	3.0	22	20	26	5.1	0.98	101
23	17	7.3	1.5	e0.48	18	3.8	17	14	21	21	0.88	80
24	8.6	5.6	1.5	e0.49	17	4.7	16	12	15	14	1.1	68
25	7.3	5.2	2.1	e0.49	15	4.6	14	15	11	20	1.1	80
26	8.7	4.7	2.1	e0.48	15	4.8	16	19	8.7	23	48	66
27	7.1	6.3	2.1	e0.46	18	4.9	13	19	26	18	35	56
28	37	5.8	2.8	e0.48	14	5.0	11	15	58	19	31	51
29	54	4.9	2.2	e0.50	---	7.5	9.0	11	51	8.6	24	45
30	47	4.1	4.8	e0.52	---	30	7.2	8.2	44	3.8	15	39
31	41	---	4.3	e0.52	---	39	---	6.8	---	2.2	7.8	---
TOTAL	396.2	237.5	91.3	26.89	567.24	419.9	550.3	453.4	747.2	393.7	204.08	1,207.8
MEAN	12.8	7.92	2.95	0.87	20.3	13.5	18.3	14.6	24.9	12.7	6.58	40.3
MAX	54	30	4.8	2.7	63	43	38	34	58	36	48	140
MIN	2.4	4.1	1.5	0.40	0.54	2.3	7.2	3.5	4.5	2.2	0.12	2.7
AC-FT	786	471	181	53	1,130	833	1,090	899	1,480	781	405	2,400
CFSM	0.45	0.28	0.10	0.03	0.72	0.48	0.65	0.52	0.88	0.45	0.23	1.43
IN.	0.52	0.31	0.12	0.04	0.75	0.55	0.73	0.60	0.99	0.52	0.27	1.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	12.3	10.9	5.62	2.93	7.77	15.3	24.8	29.6	32.7	26.8	18.0	16.2
MAX	33.1	28.2	9.21	7.25	20.3	24.3	32.1	56.6	55.4	58.5	56.2	40.3
(WY)	(2003)	(1997)	(1997)	(1997)	(2005)	(1997)	(1998)	(2002)	(2002)	(2002)	(2002)	(2005)
MIN	4.01	2.87	1.78	0.41	1.17	10.1	11.6	13.3	7.47	7.92	3.57	2.92
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(1997)	(1997)	(1996)	(2004)	(1996)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	4,526.08		5,295.51		17.7	
ANNUAL MEAN	12.4		14.5		11.1	
HIGHEST ANNUAL MEAN					27.9	2002
LOWEST ANNUAL MEAN					11.1	2004
HIGHEST DAILY MEAN	94	Jun 9	140	Sep 4	230	Jun 25, 2003
LOWEST DAILY MEAN	0.26	Jan 30	e0.12	Aug 15	e0.12	Aug 15, 2005
ANNUAL SEVEN-DAY MINIMUM	0.29	Jan 7	0.41	Jan 14	0.14	Oct 8, 1996
MAXIMUM PEAK FLOW			291	Sep 4	291	Sep 4, 2005
MAXIMUM PEAK STAGE			13.26	Sep 4	14.21	Jun 25, 2003
INSTANTANEOUS LOW FLOW			<0.10	Aug 15	<0.10	Aug 15, 2005
ANNUAL RUNOFF (AC-FT)	8,980		10,500		12,790	
ANNUAL RUNOFF (CFSM)	0.439		0.514		0.626	
ANNUAL RUNOFF (INCHES)	5.97		6.99		8.51	
10 PERCENT EXCEEDS	37		37		47	
50 PERCENT EXCEEDS	5.6		8.2		8.6	
90 PERCENT EXCEEDS	0.40		1.1		1.8	

e Estimated.

