

## MINNESOTA RIVER BASIN--Continued

05327000 HIGH ISLAND CREEK NEAR HENDERSON, MN

LOCATION.--Lat 44°34'19", long 93°55'18", in NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 26, T.113 N., R.26 W., Sibley County, Hydrologic Unit 07020012, on left bank 20 ft downstream from bridge on County Road 6, 1.6 mi upstream from mouth, and 3.1 mi north of Henderson.

DRAINAGE AREA.--238 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1973 to current year. May 1970 to September 1973, operated as a low-flow station only.

REVISED RECORDS.--WDR-MN-80-2: 1974-75, 1977-79, WRD MN-98: 1993.

GAGE.--Water-stage recorder. Datum of gage is 728.56 ft above sea level (NGVD of 1929).

REMARKS.--Records good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.8	e2.6	2.4	e2.2	60	7.7	5.7	51	21	9.3	2.8
2	3.4	2.8	3.7	2.4	e2.2	50	7.2	5.7	60	27	7.4	2.6
3	3.2	2.9	3.5	2.4	e2.2	40	7.3	5.6	71	21	6.3	2.6
4	3.2	2.9	3.3	2.4	e2.3	33	7.2	5.4	104	20	5.6	2.3
5	3.2	2.9	3.2	2.5	2.4	27	7.2	5.2	138	24	5.3	2.1
6	3.2	2.7	2.9	2.3	2.3	23	6.3	5.1	129	21	4.8	2.0
7	3.2	2.8	2.9	2.6	2.4	21	7.3	5.1	128	21	4.6	1.9
8	3.1	2.8	3.2	2.3	2.5	20	6.6	6.1	133	21	6.8	1.8
9	3.0	2.9	3.0	2.3	2.3	22	6.8	5.9	128	52	5.6	1.8
10	3.1	2.8	2.8	2.3	2.3	19	6.8	5.7	116	153	5.3	1.8
11	3.1	2.7	2.9	2.4	e2.2	18	6.5	6.3	98	105	5.2	1.8
12	3.1	2.7	2.9	e2.3	e2.1	16	6.2	5.7	83	106	5.2	2.2
13	3.0	2.7	2.9	e2.3	2.3	14	6.0	5.6	77	97	5.0	2.1
14	3.1	2.7	2.9	e2.3	2.3	12	5.6	5.6	71	94	4.9	1.8
15	3.0	2.6	e2.7	2.3	2.3	11	5.8	5.7	63	90	4.9	1.7
16	2.9	2.6	e2.5	2.4	2.4	10	6.2	6.1	60	84	4.8	1.6
17	2.9	2.7	2.6	2.3	2.4	9.1	6.4	6.4	55	73	6.5	1.6
18	2.8	2.7	2.6	2.3	2.4	10	6.7	29	59	62	5.4	1.6
19	2.9	2.7	e2.4	2.6	2.4	9.3	8.2	23	55	55	4.8	1.6
20	2.8	2.6	e2.3	e2.3	2.5	8.7	9.0	17	72	48	4.7	1.6
21	2.9	2.6	e2.3	e2.2	2.4	8.1	8.2	15	83	43	4.7	1.8
22	2.8	2.8	e2.3	e2.1	2.5	8.1	8.8	18	86	38	4.8	1.9
23	2.8	3.2	e2.3	e2.2	3.5	8.3	9.3	22	79	32	4.7	1.9
24	2.8	3.1	e2.3	e2.2	6.0	12	7.9	20	68	26	4.1	1.8
25	2.8	2.9	e2.3	e2.2	54	11	7.6	18	58	23	3.6	1.7
26	2.8	3.1	2.4	e2.2	61	12	6.7	16	47	20	3.6	1.7
27	2.8	3.1	2.4	e2.2	35	11	6.4	21	42	18	3.2	1.7
28	2.8	2.9	2.4	e2.2	56	11	6.2	23	37	15	3.1	1.8
29	2.8	e2.7	2.4	e2.2	82	9.6	6.0	21	30	13	3.1	1.6
30	3.0	e2.5	2.3	e2.2	---	9.4	5.8	36	25	12	2.8	1.6
31	2.9	---	2.4	e2.2	---	8.4	---	43	---	11	2.7	---
TOTAL	92.6	83.9	83.6	71.5	348.8	542.0	209.9	418.9	2306	1446	152.8	56.8
MEAN	2.99	2.80	2.70	2.31	12.0	17.5	7.00	13.5	76.9	46.6	4.93	1.89
MAX	3.4	3.2	3.7	2.6	82	60	9.3	43	138	153	9.3	2.8
MIN	2.8	2.5	2.3	2.1	2.1	8.1	5.6	5.1	25	11	2.7	1.6
AC-FT	184	166	166	142	692	1080	416	831	4570	2870	303	113
CFSM	.01	.01	.01	.01	.05	.07	.03	.06	.32	.20	.02	.01
IN.	.01	.01	.01	.01	.05	.09	.03	.07	.36	.23	.02	.01

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	72.7	61.9	34.4	15.1	23.7	166	252	154	158	127	78.7	97.6
MAX	298	219	111	72.5	121	547	593	478	646	783	380	592
(WY)	1986	1993	1983	1992	1984	1992	1983	1993	1993	1993	1997	1991
MIN	1.51	2.11	1.37	.98	1.28	6.27	6.69	3.32	1.58	.80	1.16	1.18
(WY)	1990	1990	1976	1977	1989	1975	1990	1976	1976	1976	1976	1974

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1974 - 2000
ANNUAL TOTAL	32347.3	5812.8	
ANNUAL MEAN	88.6	15.9	104
HIGHEST ANNUAL MEAN			293 1993
LOWEST ANNUAL MEAN			9.23 1976
HIGHEST DAILY MEAN	1060 May 17	153 Jul 10	2070 Jul 25 1997
LOWEST DAILY MEAN	2.3 Dec 20	1.6 Sep 16-20,29,30	.46 Oct 3 1976
ANNUAL SEVEN-DAY MINIMUM	2.3 Dec 19	1.6 Sep 14	.59 Jul 10 1976
INSTANTANEOUS PEAK FLOW		309 Jul 10	2830 Jul 25 1997
INSTANTANEOUS PEAK STAGE		4.63 Jul 10	9.72 Jun 17 1993
INSTANTANEOUS LOW FLOW		1.5 Sep 30	.20 <sup>a</sup> Jan 4 1981
ANNUAL RUNOFF (AC-FT)	64160	11530	75120
ANNUAL RUNOFF (CFSM)	.37	.067	.44
ANNUAL RUNOFF (INCHES)	5.08	.91	5.94
10 PERCENT EXCEEDS	260	55	296
50 PERCENT EXCEEDS	16	3.9	29
90 PERCENT EXCEEDS	2.8	2.2	2.0

<sup>a</sup> Result of freezeup.  
<sup>e</sup> Estimated.

