

# MINNESOTA RIVER BASIN

## 05330000 MINNESOTA RIVER NEAR JORDAN, MN

LOCATION.--Lat 4441'35", long 9338'30", in NW 1 / 4 SW 1 / 4 sec. 7, T.114 N., R.23 W., Carver County, Hydrologic Unit 07020012, on pier at center downstream side of bridge, 1.5 mi northwest of Jordan, and at mile 39.4 upstream from Mississippi River.

DRAINAGE AREA.--16,200 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--September 1934 to current year. Prior to Oct. 1, 1966, published as "near Carver, Minn".

REVISED RECORDS.--WSP 955: Drainage area. WSP 1508: 1935. WDR MN-87-2: 1976 (cal. yr. summary).

GAGE.--Water-stage recorder. Datum of gage is 690.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, water-stage recorder 2.8 mi downstream with auxiliary nonrecording gage at present site and present datum.

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

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

### DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1940	2070	2060	1250	e1300	10300	20900	12500	8310	17500	3220	2770
2	1820	2080	2070	1410	e1300	10000	25500	11900	7940	17100	3000	2550
3	1690	2100	2070	1770	e1300	9760	29600	11300	7640	16300	2970	2280
4	1600	2090	2100	1730	e1300	9530	31600	10800	7360	14900	2900	2190
5	1530	2080	1900	1490	e1300	9300	32000	10200	7120	13100	2700	2120
6	1480	2080	1700	1670	e1250	8940	31700	9630	6870	11400	2560	2070
7	1460	2130	1650	1770	e1250	8760	30900	9170	6490	9960	2560	1990
8	1420	2190	1770	1710	e1250	8630	29700	8820	6270	8930	2700	1910
9	1400	2180	1830	1610	e1250	8490	28300	8610	6080	8250	2650	1730
10	1370	2130	1810	1590	e1250	8140	26900	8370	5630	7700	2530	1620
11	1360	2140	1840	1480	e1200	7210	25500	8020	5310	6980	2430	1570

12	1380	2120	1860	e1350	e1200	6500	24300	7710	5220	6300	2340	1490
13	1580	2080	1860	e1350	e1200	5630	23300	7400	5230	5770	2240	1440
14	1840	2030	1860	e1400	e1250	5440	22300	7200	5330	5270	2150	1370
15	1920	2010	1850	e1450	e1400	5890	21500	7110	5410	5500	2060	1290
16	2060	1950	1780	e1450	e1500	6290	20900	7850	5560	5810	1970	1260
17	2230	1820	1820	e1400	e1650	6610	20200	9000	5560	5830	1900	1210
18	2310	1760	1810	e1400	e1850	6570	19700	9590	5380	5600	1830	1130
19	2430	1660	1820	e1400	e2300	6130	19400	10100	5710	5650	1800	1080
20	2460	1760	1850	e1400	e3500	5820	19200	9970	6360	5950	1770	1110
21	2520	1900	1660	e1350	e4200	5480	19000	9360	6980	5780	1750	1080
22	2610	2100	1650	e1350	e5100	5300	18600	8510	8480	5790	1740	1020
23	2700	2070	1710	e1350	e6600	5280	18000	7910	10000	5550	1700	976
24	2730	1930	1730	e1350	7810	5370	17300	7530	10600	5140	1650	961
25	2670	2010	1680	e1350	9090	5460	16500	7520	11100	4800	1620	963
26	2550	2080	1610	e1350	10000	5480	15800	7520	12000	4460	1670	954
27	2440	2050	1650	e1300	10500	5710	15000	8220	14600	4110	1630	966
28	2360	2050	1690	e1300	10500	8260	14400	9500	16300	3910	1670	979
29	2300	2070	1650	e1300	---	12900	13800	9600	17300	3730	1890	968
30	2220	2100	1660	e1300	---	16000	13200	8910	17700	3580	2120	949
31	2100	---	1470	e1300	---	18100	---	8690	---	3410	2450	---
TOTAL	62480	60820	55470	44680	93600	247280	665000	278520	249840	234060	68170	43996
MEAN	2015	2027	1789	1441	3343	7977	22170	8985	8328	7550	2199	1467
MAX	2730	2190	2100	1770	10500	18100	32000	12500	17700	17500	3220	2770
MIN	1360	1660	1470	1250	1200	5280	13200	7110	5220	3410	1620	949
AC-FT	123900	120600	110000	88620	185700	490500	1319000	552400	495600	464300	135200	87270
CFSM	.12	.13	.11	.09	.21	.49	1.37	.55	.51	.47	.14	.09
IN.	.14	.14	.13	.10	.21	.57	1.53	.64	.57	.54	.16	.10

**e Estimated**

# STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2226	2150	1502	919	992	5262	12400	7923	7641	5897	3336	2295
MAX	16030	9463	5216	3344	3992	21170	48210	25510	41460	38640	25660	14460
(WY)	1969	1996	1983	1992	1983	1983	1969	1993	1993	1993	1993	1993
MIN	167	178	158	111	130	322	926	923	633	279	178	183
(WY)	1935	1935	1977	1940	1940	1940	1959	1959	1976	1936	1936	1976

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1935 - 1998		
ANNUAL TOTAL	3702670		2103916				
ANNUAL MEAN	10140		5764		4385a		
HIGHEST ANNUAL MEAN					16910		1993
LOWEST ANNUAL MEAN					687		1940
HIGHEST DAILY MEAN	81900	Apr 12	32000	Apr 5	112000	Apr 11	1965
LOWEST DAILY MEAN	1360	Oct 11	949	Sep 30	85	Jan 21	1940
ANNUAL SEVEN-DAY MINIMUM	1410	Oct 6	963	Sep 24	89	Jan 20	1940
INSTANTANEOUS PEAK FLOW			32300	Apr 5	117000	Apr 11	1965
INSTANTANEOUS PEAK STAGE			25.50	Apr 5	35.07	Apr 12	1965
INSTANTANEOUS LOW FLOW			937	Sep 30	79	Nov 17	1955
ANNUAL RUNOFF (AC-FT)	7344000		4173000		3177000		
ANNUAL RUNOFF (CFSM)	.63		.36		.27		
ANNUAL RUNOFF (INCHES)	8.50		4.83		3.68		
10 PERCENT	24200		14700		11800		

EXCEEDS							
50 PERCENT EXCEEDS	4170		2440		1820		
90 PERCENT EXCEEDS	1830		1330		312		

**a Median of annual mean discharges is 3590 ft<sup>3</sup> /s.**

