

MINNESOTA RIVER BASIN--Continued

05330000 MINNESOTA RIVER NEAR JORDAN, MN

LOCATION.--Lat 44°41'35", long 93°38'30", in NW¹/₄SW¹/₄ 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 mi² (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 ft above sea level. 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 to fair except those for estimated daily discharges, which are fair to poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 938 | 6130 | 4930 | e2300 | e1900 | e3600 | 5890 | 15500 | 13900 | 11100 | 5370 | 2000 |
| 2 | 928 | 6070 | 4860 | e2250 | e1900 | e3700 | 5850 | 13900 | 12600 | 10800 | 4930 | 1970 |
| 3 | 917 | 5700 | 4770 | e2200 | e2000 | e3900 | 5900 | 12600 | 11700 | 10700 | 4530 | 2150 |
| 4 | 940 | 5250 | 4680 | e2200 | e2000 | e4000 | 5940 | 11600 | 11000 | 12400 | 4260 | 2230 |
| 5 | 975 | 4910 | 4660 | e2150 | e2000 | e4100 | 5890 | 10800 | 10400 | 13400 | 4060 | 2190 |
| 6 | 987 | 4530 | 4600 | e2100 | e2000 | e4100 | 6630 | 10200 | 10100 | 13500 | 4070 | 2110 |
| 7 | 1060 | 4210 | 4510 | e2000 | e2000 | e4100 | 8800 | 9740 | 9740 | 12900 | 3950 | 1980 |
| 8 | 1090 | 4010 | 4450 | e1950 | e2000 | e4000 | 10700 | 9510 | 9530 | 12200 | 3720 | 1870 |
| 9 | 1100 | 3840 | 4410 | e1800 | e2000 | 3790 | 12400 | 9460 | 10000 | 11900 | 3640 | 1800 |
| 10 | 1220 | 3910 | 4330 | e1800 | e2000 | 3920 | 14600 | 9660 | 10700 | 11100 | 4240 | 1750 |
| 11 | 1330 | 4130 | 4180 | e1700 | e2100 | e3800 | 16400 | 10200 | 11700 | 9850 | 4640 | 1710 |
| 12 | 1390 | 4760 | 4080 | e1700 | e2200 | e3700 | 18000 | 11400 | 13600 | 8780 | 4030 | 1780 |
| 13 | 1450 | 5450 | 4020 | e1700 | e2300 | e3700 | 19800 | 13500 | 15500 | 7800 | 3820 | 1700 |
| 14 | 1600 | 5990 | 3950 | e1700 | e2400 | e3600 | 21800 | 14900 | 16800 | 7180 | 3700 | 1660 |
| 15 | 1670 | 6070 | 3820 | e1700 | e2800 | 3480 | 23700 | 15500 | 17900 | 6760 | 3520 | 1650 |
| 16 | 1750 | 5940 | 3730 | e1800 | e3600 | 3670 | 24800 | 16000 | 18900 | 6210 | 3580 | 1660 |
| 17 | 1980 | 5660 | 3630 | e1800 | e4200 | 4650 | 25000 | 17100 | 19400 | 5710 | 3540 | 1630 |
| 18 | 2910 | 5440 | 3580 | e1800 | e4400 | 6340 | 24800 | 18300 | 19400 | 5050 | 3320 | 1580 |
| 19 | 4250 | 5300 | 3490 | e1800 | e4500 | 7220 | 24400 | 18900 | 18900 | 4680 | 3100 | 1580 |
| 20 | 5110 | 5140 | 2880 | e1800 | e4400 | 8060 | 24000 | 19000 | 17900 | 4760 | 2950 | 1530 |
| 21 | 5480 | 4970 | e2600 | e1900 | e4300 | 8620 | 23300 | 19300 | 16500 | 6040 | 2790 | 1500 |
| 22 | 5600 | 5060 | e2500 | e1900 | e4300 | 8680 | 22500 | 19800 | 14800 | 7550 | 2620 | 1490 |
| 23 | 5390 | 5170 | e2400 | e1900 | e4200 | 8240 | 21700 | 20400 | 13300 | 8910 | 2550 | 1480 |
| 24 | 4810 | 5130 | e2400 | e1900 | e4100 | 7540 | 20800 | 20800 | 12600 | 10100 | 2440 | 1480 |
| 25 | 4220 | 5110 | e2300 | e1900 | e3900 | 6970 | 19800 | 20900 | 11700 | 10800 | 2280 | 1460 |
| 26 | 3960 | 5130 | e2400 | e1900 | e3700 | 6540 | 19100 | 20600 | 10900 | 10900 | 2150 | 1430 |
| 27 | 3660 | 5030 | e2450 | e1900 | e3600 | 6260 | 18600 | 20100 | 10300 | 10200 | 2080 | 1390 |
| 28 | 3640 | 4960 | e2400 | e1900 | e3600 | 6230 | 18300 | 19400 | 10100 | 8940 | 2030 | 1390 |
| 29 | 3890 | 4930 | e2300 | e1900 | --- | 6270 | 17800 | 18400 | 10500 | 7780 | 2020 | 1380 |
| 30 | 4830 | 4850 | e2300 | e1900 | --- | 6160 | 16900 | 17100 | 11000 | 6720 | 2020 | 1350 |
| 31 | 5680 | --- | e2300 | e1900 | --- | 6010 | --- | 15500 | --- | 6110 | 2040 | --- |
| TOTAL | 84755 | 152780 | 109910 | 59150 | 84400 | 164950 | 504100 | 480070 | 401370 | 280830 | 103990 | 50880 |
| MEAN | 2734 | 5093 | 3545 | 1908 | 3014 | 5321 | 16800 | 15490 | 13380 | 9059 | 3355 | 1696 |
| MAX | 5680 | 6130 | 4930 | 2300 | 4500 | 8680 | 25000 | 20900 | 19400 | 13500 | 5370 | 2230 |
| MIN | 917 | 3840 | 2300 | 1700 | 1900 | 3480 | 5850 | 9460 | 9530 | 4680 | 2020 | 1350 |
| AC-FT | 168100 | 303000 | 218000 | 117300 | 167400 | 327200 | 999900 | 952200 | 796100 | 557000 | 206300 | 100900 |
| CFSM | .17 | .31 | .22 | .12 | .19 | .33 | 1.04 | .96 | .83 | .56 | .21 | .10 |
| IN. | .19 | .35 | .25 | .14 | .19 | .38 | 1.16 | 1.10 | .92 | .64 | .24 | .12 |

e Estimated

05330000 MINNESOTA RIVER NEAR JORDAN, MN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1999, BY WATER YEAR (WY)

| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 2234 | 2195 | 1533 | 934 | 1022 | 5263 | 12470 | 8039 | 7729 | 5946 | 3336 | 2286 |
| 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 1998 CALENDAR YEAR | FOR 1999 WATER YEAR | WATER YEARS 1935 - 1999 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL | 2272591 | 2477185 | |
| ANNUAL MEAN | 6226 | 6787 | 4422 ^a |
| HIGHEST ANNUAL MEAN | | | 16910 |
| LOWEST ANNUAL MEAN | | | 687 |
| HIGHEST DAILY MEAN | 32000 | Apr 5 | 25000 |
| LOWEST DAILY MEAN | 917 | Oct 3 | 917 |
| ANNUAL SEVEN-DAY MINIMUM | 945 | Sep 29 | 964 |
| INSTANTANEOUS PEAK FLOW | | | 25200 |
| INSTANTANEOUS PEAK STAGE | | | 24.28 |
| INSTANTANEOUS LOW FLOW | | | 903 |
| ANNUAL RUNOFF (AC-FT) | 4508000 | 4913000 | 3204000 |
| ANNUAL RUNOFF (CFSM) | .38 | .42 | .27 |
| ANNUAL RUNOFF (INCHES) | 5.22 | 5.69 | 3.71 |
| 10 PERCENT EXCEEDS | 14700 | 17400 | 11900 |
| 50 PERCENT EXCEEDS | 4850 | 4410 | 1860 |
| 90 PERCENT EXCEEDS | 1300 | 1700 | 318 |

a Median of annual mean discharges is 3700 ft³/s.

