

05330000 MINNESOTA RIVER NEAR JORDAN, MN

LOCATION.--Lat 44°41'35", long 93°38'30", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T.114 N., R.23 W., Carver County, Hydrologic Unit 07020012, on right bank 100 ft downstream from bridge on Scott County Highway 9, 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 690.00 ft above sea level (NGVD 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, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|
| 1 | 1,280 | 2,760 | 1,790 | e1,220 | e780 | e740 | 4,830 | 6,270 | 7,070 | 9,180 | 2,600 | 777 |
| 2 | 1,300 | 2,730 | 1,660 | e1,180 | e760 | e750 | 4,500 | 5,920 | 6,600 | 8,690 | 2,540 | 749 |
| 3 | 1,320 | 2,700 | 1,490 | e1,140 | e750 | e760 | 4,230 | 5,590 | 6,160 | 7,800 | 2,400 | 733 |
| 4 | 1,510 | 2,640 | 1,490 | e1,120 | e740 | e760 | 4,000 | 5,360 | 5,790 | 7,170 | 2,270 | 677 |
| 5 | 1,880 | 2,630 | e1,450 | e1,200 | e740 | e770 | 3,760 | 5,220 | 5,520 | 6,740 | 2,240 | 636 |
| 6 | 2,530 | 2,630 | e1,430 | e1,140 | e750 | e780 | 3,290 | 5,150 | 5,270 | 6,350 | 2,200 | 594 |
| 7 | 3,740 | 2,630 | e1,420 | e1,130 | e760 | e780 | 3,000 | 5,170 | 5,160 | 5,960 | 2,170 | 562 |
| 8 | 5,680 | 2,620 | e1,410 | e1,140 | e760 | e770 | 2,800 | 5,400 | 5,190 | 5,660 | e2,100 | 527 |
| 9 | 6,660 | 2,590 | e1,410 | e970 | e770 | e760 | 2,710 | 6,360 | 5,570 | 5,320 | e2,050 | 506 |
| 10 | 6,930 | 2,570 | e1,420 | e870 | e780 | e760 | 2,630 | 6,890 | 6,310 | 5,490 | e2,000 | 493 |
| 11 | 6,780 | 2,540 | e1,430 | e830 | e800 | e780 | 2,570 | 7,620 | 7,100 | 6,410 | 1,980 | 495 |
| 12 | 6,300 | 2,520 | e1,470 | e820 | e810 | e820 | 2,590 | 9,780 | 7,450 | 7,140 | 1,850 | 626 |
| 13 | 5,880 | 2,470 | e1,500 | e830 | e820 | e890 | 2,660 | 11,800 | 7,530 | 7,220 | 1,750 | 691 |
| 14 | 5,560 | 2,460 | e1,570 | e840 | e840 | e1,000 | 2,930 | 13,000 | 7,470 | 7,060 | 1,690 | 726 |
| 15 | 5,240 | 2,420 | e1,600 | e840 | e830 | e1,400 | 3,110 | 14,100 | 7,120 | 6,750 | e1,570 | 700 |
| 16 | 4,860 | 2,350 | e1,570 | e840 | e820 | e1,850 | 3,270 | 15,300 | 6,660 | 6,390 | e1,480 | 692 |
| 17 | 4,550 | 2,300 | e1,560 | e840 | e810 | e2,300 | 3,840 | 15,800 | 6,230 | 5,930 | e1,430 | 704 |
| 18 | 4,280 | 2,280 | e1,550 | e840 | e790 | e3,100 | 4,380 | 15,600 | 5,810 | 5,500 | e1,380 | 701 |
| 19 | 4,080 | 2,270 | e1,540 | e830 | e770 | 3,970 | 4,940 | 14,900 | 5,370 | 5,250 | e1,280 | 651 |
| 20 | 3,870 | 2,270 | e1,450 | e820 | e780 | 4,910 | 6,030 | 14,600 | 5,040 | 4,940 | e1,240 | 603 |
| 21 | 3,690 | 2,250 | e1,370 | e810 | e780 | 5,060 | 7,070 | 14,500 | 4,720 | 4,710 | 1,180 | 602 |
| 22 | 3,440 | 2,210 | e1,290 | e800 | e750 | 4,600 | 7,800 | 14,100 | 4,400 | 4,480 | 1,110 | 584 |
| 23 | 3,180 | 2,210 | e1,200 | e790 | e730 | 4,330 | 8,470 | 13,700 | 4,260 | 4,060 | 1,090 | 555 |
| 24 | 3,070 | 2,180 | e1,160 | e790 | e700 | 4,280 | 8,910 | 13,000 | 4,500 | 3,810 | 1,110 | 550 |
| 25 | 3,060 | 2,110 | e1,160 | e780 | e710 | 4,320 | 8,900 | 12,300 | 4,790 | 3,560 | 1,050 | 523 |
| 26 | 2,990 | 2,030 | e1,230 | e780 | e720 | 4,180 | 8,670 | 11,500 | 5,240 | 3,410 | 1,060 | 514 |
| 27 | 2,940 | 1,850 | e1,270 | e780 | e730 | 4,000 | 8,310 | 10,400 | 6,030 | 3,420 | 995 | 506 |
| 28 | 2,920 | 1,800 | e1,280 | e780 | e740 | 4,200 | 7,800 | 9,460 | 6,680 | 3,150 | 920 | 485 |
| 29 | 2,900 | 1,750 | e1,290 | e780 | --- | 4,530 | 7,180 | 8,730 | 7,940 | 2,810 | 879 | 470 |
| 30 | 2,870 | 1,760 | e1,290 | e790 | --- | 4,480 | 6,690 | 8,150 | 8,980 | 2,670 | 850 | 465 |
| 31 | 2,820 | --- | e1,270 | e800 | --- | 4,640 | --- | 7,590 | --- | 2,550 | 817 | --- |
| TOTAL | 118,110 | 70,530 | 44,020 | 28,120 | 21,520 | 77,270 | 151,870 | 313,260 | 181,960 | 169,580 | 49,281 | 18,097 |
| MEAN | 3,810 | 2,351 | 1,420 | 907 | 769 | 2,493 | 5,062 | 10,110 | 6,065 | 5,470 | 1,590 | 603 |
| MAX | 6,930 | 2,760 | 1,790 | 1,220 | 840 | 5,060 | 8,910 | 15,800 | 8,980 | 9,180 | 2,600 | 777 |
| MIN | 1,280 | 1,750 | 1,160 | 780 | 700 | 740 | 2,570 | 5,150 | 4,260 | 2,550 | 817 | 465 |
| AC-FT | 234,300 | 139,900 | 87,310 | 55,780 | 42,680 | 153,300 | 301,200 | 621,400 | 360,900 | 336,400 | 97,750 | 35,900 |
| CFSM | 0.24 | 0.15 | 0.09 | 0.06 | 0.05 | 0.15 | 0.31 | 0.62 | 0.37 | 0.34 | 0.10 | 0.04 |
| IN. | 0.27 | 0.16 | 0.10 | 0.06 | 0.05 | 0.18 | 0.35 | 0.72 | 0.42 | 0.39 | 0.11 | 0.04 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 2,198 | 2,148 | 1,517 | 933 | 1,017 | 5,080 | 12,800 | 8,344 | 7,964 | 5,948 | 3,296 | 2,215 |
| MAX | 16,030 | 9,463 | 5,216 | 3,344 | 3,992 | 21,170 | 59,030 | 31,480 | 41,460 | 38,640 | 25,660 | 14,460 |
| (WY) | (1969) | (1996) | (1983) | (1992) | (1983) | (1983) | (2001) | (2001) | (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) |

05330000 MINNESOTA RIVER NEAR JORDAN, MN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1935 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 1,484,470 | | 1,243,618 | | | |
| ANNUAL MEAN | 4,067 | | 3,407 | | a4,461 | |
| HIGHEST ANNUAL MEAN | | | | | 16,910 | 1993 |
| LOWEST ANNUAL MEAN | | | | | 687 | 1940 |
| HIGHEST DAILY MEAN | 18,200 | Jun 26 | 15,800 | May 17 | 112,000 | Apr 11, 1965 |
| LOWEST DAILY MEAN | 1,160 | Dec 24 | 465 | Sep 30 | 85 | Jan 21, 1940 |
| ANNUAL SEVEN-DAY MINIMUM | 1,230 | Dec 22 | 502 | Sep 24 | 89 | Jan 20, 1940 |
| MAXIMUM PEAK FLOW | | | 15,900 | May 17 | 117,000 | Apr 11, 1965 |
| MAXIMUM PEAK STAGE | | | 19.10 | May 17 | 35.07 | Apr 12, 1965 |
| INSTANTANEOUS LOW FLOW | | | b459 | Sep 30 | 79 | Nov 17, 1955 |
| ANNUAL RUNOFF (AC-FT) | 2,944,000 | | 2,467,000 | | 3,232,000 | |
| ANNUAL RUNOFF (CFSM) | 0.25 | | 0.21 | | 0.28 | |
| ANNUAL RUNOFF (INCHES) | 3.41 | | 2.86 | | 3.74 | |
| 10 PERCENT EXCEEDS | 8,050 | | 7,310 | | 11,800 | |
| 50 PERCENT EXCEEDS | 2,750 | | 2,300 | | 1,850 | |
| 90 PERCENT EXCEEDS | 1,340 | | 740 | | 330 | |

a Median of annual mean discharges is 3,700 ft³/s.
 b Falling stage.
 c Estimated.

