

PEE DEE RIVER BASIN

02115360 YADKIN RIVER AT ENON, NC

LOCATION.--Lat 36°07'55", long 80°26'38", Forsyth County, Hydrologic Unit 03040101, on left bank 50 ft upstream from bridge on Secondary Road 1525, 1.5 mi east of Enon, 4 mi upstream from Forbush Creek, and 324 mi upstream from mouth of Pee Dee River in Winyah Bay.

DRAINAGE AREA.--1,694 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1964 to current year.

REVISED RECORDS.--WDR NC-72-1: 1970 (M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 701.71 ft above NGVD of 1929. Prior to Nov. 6, 1968, nonrecording gage on downstream side of bridge at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by W. Kerr Scott Reservoir (station 02111391). Minimum discharge for current water year also occurred Oct. 10.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 15, 1940, reached a stage of 737.5 ft (35.8 ft above gage datum), from information by U.S. Army Corps of Engineers.

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 | 928 | 1,580 | 1,310 | 1,800 | 1,460 | 3,820 | 3,660 | 5,390 | 2,790 | 3,300 | 5,150 | 5,200 |
| 2 | 829 | 1,410 | 1,280 | 2,270 | 1,410 | 3,490 | 3,270 | 4,770 | 2,540 | 4,520 | 4,140 | 3,780 |
| 3 | 810 | 1,310 | 1,260 | 2,630 | 1,360 | 3,110 | 2,890 | 4,790 | 2,540 | 9,750 | 4,050 | 3,320 |
| 4 | 860 | 1,260 | 1,270 | 3,100 | 1,430 | 2,810 | 2,820 | 4,480 | 4,260 | 7,070 | 7,300 | 10,900 |
| 5 | 958 | 1,190 | 1,490 | 2,480 | 1,680 | 2,670 | 2,740 | 3,970 | 4,720 | 6,300 | 4,930 | 6,090 |
| 6 | 932 | 1,710 | 1,760 | 2,250 | 1,680 | 2,960 | 2,700 | 4,550 | 3,460 | 6,230 | 6,550 | 3,740 |
| 7 | 694 | 1,790 | 1,590 | 2,090 | 1,780 | 3,030 | 3,510 | 4,190 | 4,520 | 6,150 | 8,580 | 3,220 |
| 8 | 627 | 1,540 | 1,550 | 2,000 | 1,630 | 2,750 | 3,590 | 4,000 | 10,200 | 4,800 | 6,270 | 3,010 |
| 9 | 637 | 1,410 | 1,500 | 1,950 | 1,510 | 2,610 | 5,740 | 3,640 | 8,390 | 4,320 | 8,220 | 2,830 |
| 10 | 609 | 1,270 | 1,500 | 1,890 | 1,500 | e2,510 | 16,800 | 3,180 | 5,980 | 4,580 | 6,550 | 2,630 |
| 11 | 760 | 2,700 | 3,010 | 1,810 | 1,550 | e2,360 | 20,800 | 3,000 | 4,570 | 5,290 | 7,870 | 2,560 |
| 12 | 1,270 | 6,610 | 3,790 | 1,680 | 1,510 | e2,040 | 7,930 | 2,940 | 4,310 | 4,150 | 5,260 | 2,590 |
| 13 | 926 | 4,950 | 5,330 | 1,630 | 1,450 | e2,010 | 6,900 | 2,640 | 4,600 | 4,280 | 4,290 | 2,550 |
| 14 | 835 | 2,850 | 6,570 | 1,610 | 1,390 | 2,130 | 6,460 | 2,090 | 4,740 | 3,830 | 4,280 | 2,480 |
| 15 | 782 | 3,320 | 3,800 | 1,570 | 1,500 | 2,010 | 6,130 | 2,340 | 4,920 | 3,460 | 3,820 | 2,460 |
| 16 | 2,150 | 4,080 | 3,140 | 1,540 | 2,020 | 4,350 | 5,510 | 3,390 | 7,720 | 3,260 | 3,970 | 2,550 |
| 17 | 3,280 | 6,450 | 2,800 | e1,500 | 2,410 | 5,560 | 3,930 | 3,280 | 8,500 | 3,850 | 4,030 | 2,390 |
| 18 | 2,120 | 4,080 | 2,530 | e1,480 | 2,200 | 3,980 | 4,140 | 3,000 | 6,700 | 3,260 | 3,710 | 2,380 |
| 19 | 1,920 | 3,200 | 2,010 | e1,400 | 2,820 | 5,460 | 12,200 | 2,860 | 10,500 | 3,890 | 3,510 | 3,030 |
| 20 | 1,320 | 2,810 | 2,820 | e1,390 | 2,600 | 28,300 | 7,480 | 2,730 | 9,350 | 4,000 | 3,340 | 2,380 |
| 21 | 1,320 | 2,600 | 3,460 | e1,370 | 2,670 | 12,000 | 5,440 | 2,640 | 7,260 | 3,460 | 3,150 | 2,240 |
| 22 | 1,440 | 2,290 | 2,830 | e1,350 | 10,500 | 7,110 | 4,800 | 2,790 | 5,370 | 3,340 | 3,220 | 2,210 |
| 23 | 1,370 | 1,760 | 2,420 | e1,330 | 16,500 | 6,170 | 4,250 | 3,270 | 3,650 | 5,200 | 3,340 | 6,880 |
| 24 | 1,160 | 1,650 | 2,880 | e1,320 | 5,850 | 4,690 | 3,900 | 3,460 | 3,860 | 4,090 | 3,290 | 4,030 |
| 25 | 1,100 | 1,590 | 4,680 | e1,320 | 5,790 | 3,680 | 3,660 | 3,630 | 3,420 | 3,380 | 3,060 | 3,190 |
| 26 | 928 | 1,550 | 3,040 | e1,310 | 4,950 | 3,280 | 3,840 | 4,450 | 2,900 | 3,560 | 2,810 | 2,750 |
| 27 | 979 | 1,510 | 2,780 | e1,300 | 3,700 | 3,260 | 4,380 | 3,480 | 3,500 | 3,000 | 2,630 | 2,450 |
| 28 | 984 | 1,460 | 2,780 | e1,280 | 4,170 | 3,030 | 3,560 | 3,390 | 3,450 | 2,790 | 2,680 | 3,200 |
| 29 | 1,330 | 1,360 | 2,530 | e1,250 | --- | 2,880 | 3,020 | 2,870 | 3,110 | 2,960 | 2,690 | 3,150 |
| 30 | 1,710 | 1,340 | 2,430 | 1,540 | --- | 3,580 | 2,910 | 2,780 | 3,660 | e5,000 | 3,050 | 2,760 |
| 31 | 1,850 | --- | 2,020 | 1,550 | --- | 4,280 | --- | 2,730 | --- | 3,920 | 3,490 | --- |
| TOTAL | 37,418 | 72,630 | 82,160 | 52,990 | 89,020 | 141,920 | 168,960 | 106,720 | 155,490 | 136,990 | 139,230 | 102,950 |
| MEAN | 1,207 | 2,421 | 2,650 | 1,709 | 3,179 | 4,578 | 5,632 | 3,443 | 5,183 | 4,419 | 4,491 | 3,432 |
| MAX | 3,280 | 6,610 | 6,570 | 3,100 | 16,500 | 28,300 | 20,800 | 5,390 | 10,500 | 9,750 | 8,580 | 10,900 |
| MIN | 609 | 1,190 | 1,260 | 1,250 | 1,360 | 2,010 | 2,700 | 2,090 | 2,540 | 2,790 | 2,630 | 2,210 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1,944 | 1,990 | 2,247 | 2,719 | 2,898 | 3,497 | 3,327 | 2,753 | 2,460 | 1,936 | 1,990 | 1,761 |
| MAX | 5,371 | 5,128 | 4,814 | 5,725 | 5,645 | 7,862 | 7,337 | 4,989 | 5,435 | 4,419 | 5,611 | 5,810 |
| (WY) | (1991) | (1978) | (1974) | (1978) | (1990) | (1993) | (1980) | (1973) | (1972) | (2003) | (1970) | (1979) |
| MIN | 635 | 620 | 841 | 1,051 | 1,023 | 1,443 | 1,350 | 925 | 540 | 654 | 405 | 815 |
| (WY) | (2002) | (2002) | (2001) | (1981) | (2001) | (1981) | (2002) | (2002) | (2002) | (1986) | (2002) | (1988) |

02115360 YADKIN RIVER AT ENON, NC—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1964 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 470,717 | | 1,286,478 | | | |
| ANNUAL MEAN | 1,290 | | 3,525 | | 2,456 | |
| HIGHEST ANNUAL MEAN | | | | | 3,605 | |
| LOWEST ANNUAL MEAN | | | | | 952 | |
| HIGHEST DAILY MEAN | 6,610 | Nov 12 | 28,300 | Mar 20 | 48,400 | Sep 22, 1979 |
| LOWEST DAILY MEAN | 264 | Sep 14 | 609 | Oct 10 | 264 | Sep 14, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 303 | Aug 9 | 745 | Oct 5 | 303 | Aug 9, 2002 |
| MAXIMUM PEAK FLOW | | | 36,500 | Mar 20 | 73,300 | Jun 21, 1972 |
| MAXIMUM PEAK STAGE | | | 23.66 | Mar 20 | 29.52 | Sep 22, 1979 |
| INSTANTANEOUS LOW FLOW | | | 604* | Oct 9 | 247 | Sep 14, 2002 |
| 10 PERCENT EXCEEDS | 2,640 | | 6,190 | | 4,190 | |
| 50 PERCENT EXCEEDS | 1,040 | | 3,000 | | 1,870 | |
| 90 PERCENT EXCEEDS | 406 | | 1,330 | | 972 | |

e Estimated.
 * See REMARKS.

