

02115360 YADKIN RIVER AT ENON, NC

LOCATION.--Lat 36°07'54", long 80°26'38", Forsyth County, Hydrologic Unit 03040101, on left bank 70 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 and crest-stage gage. 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 Aug. 11.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,410	e2,020	2,780	2,370	2,040	2,360	2,680	2,430	1,770	1,800	1,530	1,350
2	2,260	e2,000	2,490	2,350	2,000	2,360	2,480	2,840	1,550	1,770	1,560	1,370
3	2,200	e2,000	2,420	2,350	3,990	2,310	2,210	2,260	1,440	2,020	2,430	1,330
4	2,190	e1,980	2,450	2,360	4,190	2,230	2,060	2,080	1,410	2,990	1,590	1,610
5	2,250	e2,100	3,190	2,310	3,240	2,220	1,980	2,000	2,670	2,570	1,370	1,570
6	2,240	2,840	3,310	2,490	4,510	2,300	1,950	1,960	2,090	2,030	1,300	1,240
7	2,210	4,140	2,960	2,330	11,200	2,500	1,950	1,880	1,730	1,710	1,260	1,210
8	2,180	e2,900	2,650	2,240	4,750	2,310	1,960	1,800	1,810	1,550	1,180	17,900
9	2,240	e2,500	2,510	2,200	5,260	2,210	1,960	1,800	2,130	1,480	1,160	18,000
10	2,580	e2,100	2,720	2,230	4,120	2,180	1,920	2,150	1,850	1,370	1,170	7,530
11	2,480	2,110	7,330	2,190	3,110	2,150	1,890	1,860	1,930	1,540	1,170	7,150
12	2,300	2,050	4,650	2,190	2,930	2,140	2,010	1,710	1,690	1,610	2,450	6,770
13	2,160	2,040	4,050	2,200	2,940	2,110	4,460	1,660	1,680	2,000	2,240	6,130
14	2,190	1,950	4,020	2,180	2,800	2,070	6,640	1,680	1,950	1,720	1,730	3,800
15	2,340	1,920	4,500	2,140	2,730	2,040	4,420	1,720	1,800	1,470	1,470	2,410
16	2,310	1,970	4,070	2,100	2,720	2,210	3,760	1,670	2,840	1,270	1,400	2,090
17	2,170	1,970	4,100	2,070	2,690	2,760	3,350	1,920	4,380	1,240	1,360	2,580
18	2,150	1,950	4,320	2,170	2,640	2,390	2,850	2,100	3,480	1,560	1,870	7,190
19	2,140	3,170	3,700	2,310	2,560	2,210	2,490	1,890	3,150	2,270	1,720	5,020
20	2,120	8,390	3,330	2,150	2,510	2,240	2,340	1,820	2,300	1,880	1,490	3,690
21	2,090	5,260	2,990	2,040	2,460	2,170	2,180	1,880	1,780	1,480	1,400	2,790
22	2,080	4,980	2,850	2,030	2,420	2,050	2,120	1,830	2,310	1,320	1,480	2,450
23	2,040	4,500	2,720	2,030	2,360	2,060	2,080	1,720	3,150	1,330	1,240	2,240
24	2,030	3,300	2,750	2,010	2,350	2,020	2,120	2,100	2,950	1,290	1,290	2,150
25	2,000	2,850	2,680	2,040	2,340	1,990	2,060	1,760	2,530	1,250	1,630	2,010
26	1,980	2,610	2,540	2,120	2,270	1,980	2,060	1,730	5,070	1,240	1,730	1,970
27	2,880	2,420	2,490	2,090	2,330	1,980	2,780	1,930	3,710	2,510	1,360	1,970
28	3,560	2,530	2,480	2,110	2,410	1,990	2,370	1,740	2,810	2,880	1,250	24,600
29	2,760	3,270	2,450	2,080	2,390	1,960	2,100	1,650	2,400	1,890	1,330	10,800
30	2,190	2,900	2,470	2,020	---	1,960	2,020	1,610	2,000	1,680	1,350	5,960
31	e2,050	---	2,460	2,080	---	2,200	---	1,630	---	1,590	1,320	---
TOTAL	70,780	86,720	100,430	67,580	94,260	67,660	77,250	58,810	72,360	54,310	46,830	156,880
MEAN	2,283	2,891	3,240	2,180	3,250	2,183	2,575	1,897	2,412	1,752	1,511	5,229
MAX	3,560	8,390	7,330	2,490	11,200	2,760	6,640	2,840	5,070	2,990	2,450	24,600
MIN	1,980	1,920	2,420	2,010	2,000	1,960	1,890	1,610	1,410	1,240	1,160	1,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	1,953	2,012	2,272	2,706	2,907	3,464	3,309	2,732	2,459	1,931	1,978	1,846
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)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	1,352,200		953,870		2,459	
ANNUAL MEAN	3,705		2,606		3,605	
HIGHEST ANNUAL MEAN					952	1973
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	28,300	Mar 20	24,600	Sep 28	48,400	Sep 22, 1979
LOWEST DAILY MEAN	1,250	Jan 29	1,160	Aug 9	264	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	1,300	Jan 23	1,230	Aug 5	303	Aug 9, 2002
MAXIMUM PEAK FLOW			39,600	Sep 9	73,300	Jun 21, 1972
MAXIMUM PEAK STAGE			24.58	Sep 9	29.52	Sep 22, 1979
INSTANTANEOUS LOW FLOW			1090*	Aug 10	247	Sep 14, 2002
10 PERCENT EXCEEDS	6,160		3,860		4,170	
50 PERCENT EXCEEDS	3,030		2,170		1,890	
90 PERCENT EXCEEDS	1,810		1,480		982	

* See REMARKS.
e Estimated.

