

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 fair 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 Sept. 25.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,830	2,090	2,690	2,320	2,600	3,890	4,660	2,540	1,670	2,190	3,370	1,870
2	3,520	2,040	3,090	2,220	2,530	3,280	4,100	2,400	2,010	2,080	2,190	1,570
3	3,080	1,980	2,600	2,260	2,440	2,970	4,790	2,300	3,060	2,190	2,010	1,300
4	2,790	2,080	2,330	2,260	3,140	2,580	4,120	2,250	2,660	2,230	1,810	1,180
5	2,470	2,710	2,270	2,190	2,720	2,490	3,560	2,170	2,420	2,470	1,690	1,140
6	2,340	2,700	2,220	2,150	2,540	2,570	3,270	2,140	2,070	2,930	1,660	1,190
7	2,240	2,590	2,270	2,120	2,400	2,540	3,130	2,120	1,850	5,480	1,930	1,170
8	2,190	2,190	2,260	2,070	2,290	2,600	3,140	2,130	2,480	14,000	1,860	1,130
9	2,110	1,920	2,420	2,080	2,340	2,710	3,110	2,090	3,020	4,510	2,870	1,100
10	2,060	1,930	6,940	2,030	2,370	2,470	2,980	1,970	3,320	3,820	2,900	1,050
11	2,010	1,930	5,390	2,010	2,230	2,330	2,770	2,000	3,250	3,480	2,140	1,130
12	1,940	2,980	4,110	1,960	2,170	2,230	2,580	2,180	2,510	3,480	1,890	1,130
13	2,870	4,970	3,230	1,960	2,180	2,170	2,980	2,100	2,370	3,880	1,680	1,120
14	6,000	3,070	2,880	16,600	2,270	2,230	5,430	2,020	2,530	3,380	1,590	1,110
15	2,990	2,750	2,500	7,410	2,310	2,230	4,020	2,120	3,000	2,920	1,640	1,100
16	2,510	2,500	2,320	4,960	2,230	2,230	3,420	2,520	3,080	2,900	1,870	1,100
17	2,270	2,260	2,290	3,840	2,200	2,540	3,020	2,240	2,390	3,430	2,010	1,170
18	1,990	2,150	2,200	3,140	2,120	2,650	2,840	2,020	1,810	3,260	1,940	1,200
19	1,880	1,990	2,180	2,820	2,020	2,410	2,850	2,000	1,770	3,540	2,640	1,090
20	2,130	1,950	2,190	2,680	2,020	2,250	2,670	3,000	2,070	3,390	2,630	1,000
21	2,100	1,970	2,120	2,660	2,080	2,220	2,500	2,960	1,940	3,120	2,610	1,080
22	2,080	1,950	2,050	2,580	2,090	2,170	2,640	2,340	1,980	3,100	2,000	1,050
23	1,990	2,110	3,130	2,560	2,030	3,200	3,520	2,050	1,890	2,690	1,640	1,020
24	2,080	3,030	8,250	2,310	2,110	6,340	2,920	1,910	1,790	2,230	1,650	981
25	2,180	7,360	4,680	2,330	2,380	3,730	2,600	1,910	1,660	1,930	1,630	958
26	2,050	4,050	4,080	2,220	2,250	3,100	2,460	1,840	1,610	1,790	1,610	1,010
27	1,990	3,510	3,560	2,220	2,170	2,750	2,460	1,750	1,680	1,820	1,530	1,120
28	2,080	3,640	2,850	2,180	2,700	12,500	2,410	1,720	2,100	1,820	1,520	1,130
29	2,160	3,190	2,510	2,140	---	10,100	2,420	1,720	1,830	2,540	1,510	1,060
30	2,280	2,550	2,510	2,330	---	6,050	2,680	1,720	2,380	2,390	1,490	1,040
31	2,180	---	2,470	2,630	---	5,250	---	1,690	---	2,950	1,760	---
TOTAL	77,390	82,140	96,590	95,240	64,930	108,780	96,050	65,920	68,200	101,940	61,270	34,299
MEAN	2,496	2,738	3,116	3,072	2,319	3,509	3,202	2,126	2,273	3,288	1,976	1,143
MAX	6,000	7,360	8,250	16,600	3,140	12,500	5,430	3,000	3,320	14,000	3,370	1,870
MIN	1,880	1,920	2,050	1,960	2,020	2,170	2,410	1,690	1,610	1,790	1,490	958

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	1,966	2,030	2,293	2,715	2,893	3,465	3,306	2,717	2,454	1,963	1,978	1,830
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	953,050		952,749			
ANNUAL MEAN	2,604		2,610		2,463	
HIGHEST ANNUAL MEAN					3,605 1973	
LOWEST ANNUAL MEAN					952 2002	
HIGHEST DAILY MEAN	24,600	Sep 28	16,600	Jan 14	48,400	Sep 22, 1979
LOWEST DAILY MEAN	1,160	Aug 9	958	Sep 25	264	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	1,230	Aug 5	1,010	Sep 20	303	Aug 9, 2002
MAXIMUM PEAK FLOW			28,900 Jan 14		73,300 Jun 21, 1972	
MAXIMUM PEAK STAGE			20.95 Jan 14		29.52 Sep 22, 1979	
INSTANTANEOUS LOW FLOW			951* Sep 25		247 Sep 14, 2002	
10 PERCENT EXCEEDS	3,720		3,550		4,140	
50 PERCENT EXCEEDS	2,150		2,260		1,900	
90 PERCENT EXCEEDS	1,480		1,620		990	

* See REMARKS.
e Estimated.

