

Water-Data Report 2010

02115360 YADKIN RIVER AT ENON, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°07'54", long 80°26'38" referenced to North American Datum of 1983, Forsyth County, NC, 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.

SURFACE-WATER RECORDS

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

PRECIPITATION: October 2000 to current year, station number 360754080263945.

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 National Geodetic Vertical Datum of 1929. Prior to November 6, 1968, nonrecording gage on downstream side of bridge at same site and datum. Satellite telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records good. Some regulation by W. Kerr Scott Reservoir (station 02111391). Minimum discharge for current water year occurred September 26.

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

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,190	3,770	1,560	3,110	3,680	2,920	4,110	2,150	1,860	1,290	1,650	1,050
2	1,600	3,510	1,690	2,530	3,540	3,030	3,650	2,080	2,230	1,260	1,640	1,020
3	1,130	2,410	7,810	2,360	5,760	3,170	3,230	2,160	2,380	1,170	1,420	1,010
4	1,070	2,100	4,180	2,230	5,580	2,910	3,170	2,670	2,150	1,100	1,360	977
5	1,080	1,870	4,120	2,360	6,670	3,030	3,090	2,510	1,910	1,060	1,290	932
6	1,120	1,540	4,140	2,520	17,400	3,310	3,020	2,440	1,870	942	1,640	918
7	1,420	1,480	2,970	2,380	8,030	3,280	2,970	2,090	1,730	914	1,450	928
8	1,590	1,470	2,250	2,280	6,650	3,220	2,940	1,780	1,780	885	1,310	917
9	1,280	1,460	9,650	2,110	5,910	2,680	4,440	1,930	1,730	919	1,460	938
10	1,210	1,450	6,470	2,090	4,930	2,560	3,600	1,950	1,740	1,080	1,440	972
11	1,270	7,110	4,400	2,030	3,560	2,800	3,380	1,810	1,540	1,170	1,440	911
12	951	11,400	4,320	2,040	3,200	2,930	2,960	1,890	1,490	997	1,530	984
13	960	5,300	4,310	1,930	3,540	6,460	2,720	1,890	2,050	1,730	1,400	1,010
14	999	3,930	4,550	1,920	3,800	5,580	2,660	1,900	2,210	2,670	1,090	906
15	1,120	3,890	3,550	1,920	3,470	3,900	2,700	2,360	2,100	1,990	2,020	867
16	1,220	3,580	3,380	2,050	3,340	4,030	2,780	2,380	1,810	1,720	2,270	834
17	1,100	2,570	2,840	5,410	3,170	3,230	2,620	4,910	1,880	1,560	1,960	812
18	1,130	1,930	2,610	6,090	3,230	2,480	2,490	4,350	1,680	2,080	2,870	769
19	1,070	2,090	2,800	3,580	3,110	3,230	2,450	3,240	1,580	1,870	2,590	780
20	1,060	2,210	2,600	4,170	3,020	3,590	2,430	2,950	1,540	1,550	3,230	787
21	1,060	2,040	2,430	4,060	3,040	3,540	2,620	2,300	1,550	1,460	2,150	759
22	1,060	2,140	2,330	3,900	3,140	5,280	2,690	1,940	1,450	1,340	2,090	727
23	1,060	2,200	2,140	3,560	3,340	5,900	2,490	2,590	1,520	1,350	2,070	731
24	1,090	2,270	2,100	3,670	3,400	4,430	2,510	2,260	1,440	1,260	1,970	744
25	1,340	2,060	6,180	36,400	3,320	4,050	2,600	2,290	1,440	1,100	1,780	721
26	1,230	2,040	15,600	11,800	3,500	4,530	2,650	2,170	1,290	1,050	1,390	817
27	1,160	2,210	5,680	7,800	3,310	4,600	2,460	1,950	1,270	1,070	1,270	2,260
28	1,810	1,870	5,820	8,000	2,970	3,680	2,520	1,890	1,270	1,790	1,340	3,190
29	2,150	1,600	5,640	6,680	---	6,500	2,370	2,770	1,420	1,680	1,260	2,020
30	1,840	1,600	5,280	5,320	---	4,970	2,260	2,050	1,300	1,340	1,360	1,630
31	1,860	---	4,600	4,690	---	4,420	---	1,960	---	1,230	1,110	---
Total	40,230	85,100	138,000	150,990	127,610	120,240	86,580	73,610	51,210	42,627	52,850	31,921
Mean	1,298	2,837	4,452	4,871	4,558	3,879	2,886	2,375	1,707	1,375	1,705	1,064
Max	2,190	11,400	15,600	36,400	17,400	6,500	4,440	4,910	2,380	2,670	3,230	3,190
Min	951	1,450	1,560	1,920	2,970	2,480	2,260	1,780	1,270	885	1,090	721

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,905	1,996	2,312	2,752	2,822	3,367	3,180	2,639	2,385	1,882	1,886	1,765
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	601	405	815
(WY)	(2002)	(2002)	(2001)	(1981)	(2001)	(1981)	(2002)	(2002)	(2002)	(2008)	(2002)	(1988)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1964 - 2010	
Annual total	847,646		1,000,968			
Annual mean	2,322		2,742		2,402	
Highest annual mean					3,605	1973
Lowest annual mean					952	2002
Highest daily mean	15,600	Dec 26	36,400	Jan 25	48,400	Sep 22, 1979
Lowest daily mean	856	Sep 8	721	Sep 25	221	Aug 23, 2008
Annual seven-day minimum	920	Sep 3	750	Sep 19	245	Aug 20, 2008
Maximum peak flow			45,900	Jan 25	73,300	Jun 21, 1972
Maximum peak stage			26.11	Jan 25	29.52	Sep 22, 1979
Instantaneous low flow			^a 684	Sep 25	197	Aug 22, 2008
10 percent exceeds	4,270		4,640		4,080	
50 percent exceeds	1,690		2,150		1,860	
90 percent exceeds	1,080		1,060		949	

^a See Remarks.

