

Water-Data Report 2007

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, Yadkin 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.

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 November 6, 1968, nonrecording gage on downstream side of bridge at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Some regulation by W. Kerr Scott Reservoir (station 02111391).

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.

02115360 YADKIN RIVER AT ENON, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,130	1,470	2,030	18,900	1,980	2,030	2,070	1,770	1,290	1,740	812	764
2	1,140	1,520	2,350	9,070	1,950	16,800	2,110	1,720	1,270	1,330	780	935
3	1,090	1,550	2,220	5,620	1,940	7,380	2,060	1,600	1,450	1,200	705	641
4	1,030	1,420	2,120	5,540	1,890	5,000	2,030	1,630	2,670	1,150	695	521
5	1,060	1,370	2,070	5,710	1,850	4,090	1,960	1,720	1,740	1,120	727	484
6	2,150	1,340	2,030	4,950	1,800	3,490	1,840	1,710	1,460	1,260	669	439
7	1,550	1,450	2,010	3,960	1,810	2,830	1,840	1,700	1,390	1,150	651	410
8	1,340	3,420	1,970	12,200	1,800	2,420	1,820	1,640	1,330	1,040	626	371
9	1,410	3,730	1,940	7,290	1,750	2,320	1,820	1,630	1,280	1,000	673	394
10	1,210	2,400	1,780	5,610	1,720	2,250	1,800	1,630	1,260	952	584	379
11	1,130	2,020	1,620	4,190	1,720	2,230	1,800	1,600	1,220	1,140	519	386
12	1,440	2,090	1,580	3,300	1,700	2,160	2,390	1,610	1,330	1,170	537	368
13	1,160	2,090	1,580	2,790	1,750	2,110	2,160	1,630	1,270	978	623	380
14	1,030	1,880	1,620	2,440	5,030	2,060	1,880	1,530	1,260	895	564	3,530
15	1,020	1,810	1,580	2,340	2,920	1,960	2,590	1,480	1,300	893	540	5,690
16	1,020	12,000	1,560	2,270	2,230	3,400	5,790	1,460	1,410	836	523	1,550
17	1,170	7,280	1,530	2,150	2,100	6,560	3,580	1,470	1,400	932	530	960
18	2,110	3,880	1,520	2,070	2,040	3,980	3,330	1,480	1,290	1,190	468	791
19	1,540	3,890	1,490	2,080	1,920	3,630	2,760	1,400	1,210	1,050	462	723
20	1,370	3,550	1,440	2,040	1,800	3,480	2,240	1,340	1,220	829	482	681
21	1,470	2,850	1,430	2,090	1,830	3,260	2,140	1,320	1,340	777	468	656
22	1,310	2,390	1,580	2,370	1,890	2,970	2,050	1,290	1,150	764	484	645
23	1,240	2,860	6,110	2,520	1,770	2,760	2,010	1,270	1,100	703	559	676
24	1,170	2,410	3,640	2,330	1,710	2,410	1,950	1,270	1,090	739	583	681
25	1,180	2,170	5,000	2,260	1,840	2,340	1,940	1,270	1,270	1,040	523	646
26	1,170	2,130	7,970	2,200	2,420	2,290	1,890	1,230	1,540	1,220	580	607
27	1,220	2,050	4,860	2,130	2,100	2,200	1,970	1,220	1,300	1,030	519	601
28	3,110	1,990	4,060	2,020	2,010	2,140	2,040	1,220	1,250	939	636	571
29	2,600	1,970	3,180	1,980	---	2,150	1,860	1,170	1,370	903	505	518
30	1,760	1,930	2,580	1,970	---	2,210	1,810	1,160	1,680	847	526	513
31	1,550	---	2,340	2,020	---	2,080	---	1,130	---	825	639	---
Total	43,880	82,910	78,790	128,410	57,270	106,990	67,530	45,300	41,140	31,642	18,192	26,511
Mean	1,415	2,764	2,542	4,142	2,045	3,451	2,251	1,461	1,371	1,021	587	884
Max	3,110	12,000	7,970	18,900	5,030	16,800	5,790	1,770	2,670	1,740	812	5,690
Min	1,020	1,340	1,430	1,970	1,700	1,960	1,800	1,130	1,090	703	462	368

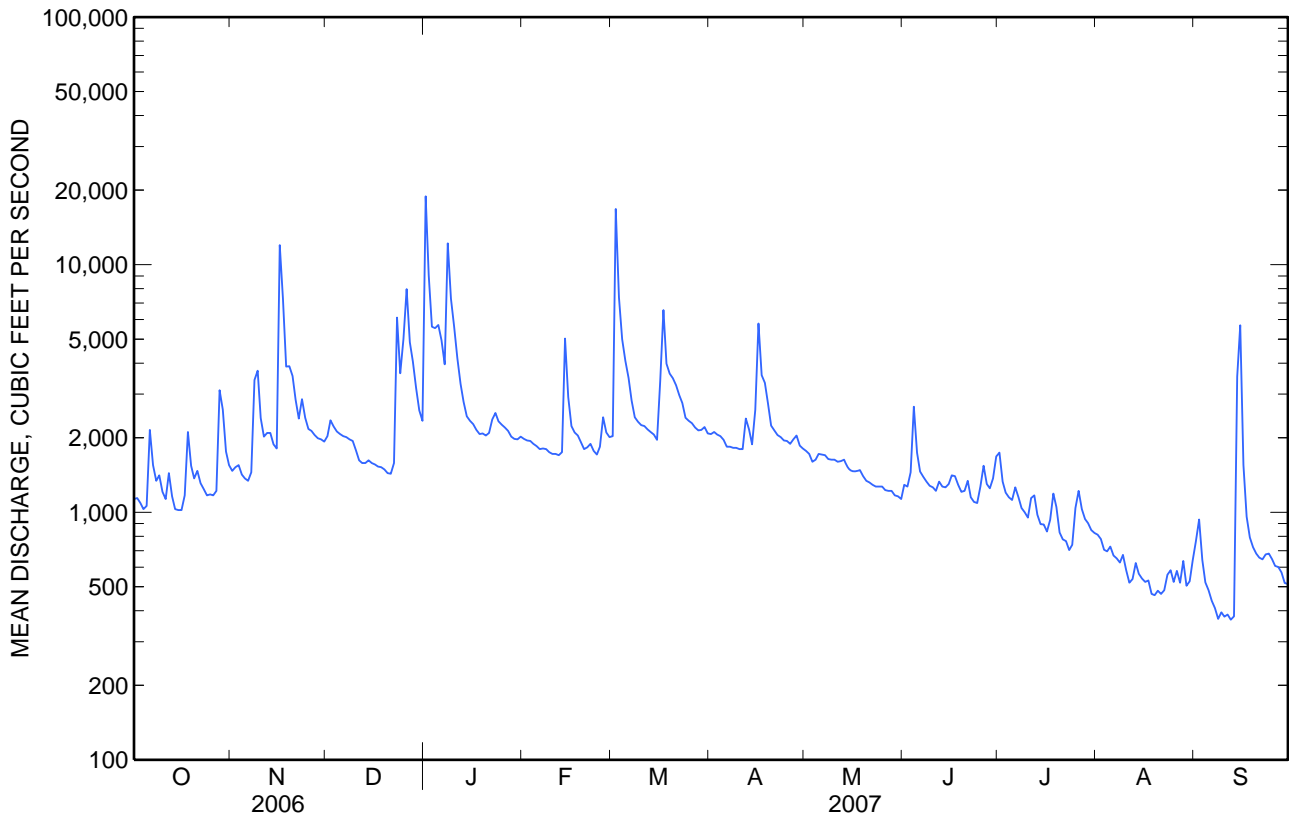
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,960	2,034	2,301	2,752	2,852	3,419	3,237	2,655	2,415	1,933	1,925	1,806
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

	Calendar Year 2006		Water Year 2007		Water Years 1964 - 2007	
Annual total	665,637		728,565			
Annual mean	1,824		1,996		2,436	
Highest annual mean					3,605	1973
Lowest annual mean					952	2002
Highest daily mean	12,000	Nov 16	18,900	Jan 1	48,400	Sep 22, 1979
Lowest daily mean	745	Aug 29	368	Sep 12	264	Sep 14, 2002
Annual seven-day minimum	797	Jun 18	384	Sep 7	303	Aug 9, 2002
Maximum peak flow			30,600	Jan 1	73,300	Jun 21, 1972
Maximum peak stage			21.59	Jan 1	29.52	Sep 22, 1979
Instantaneous low flow			330	Aug 8	247	Sep 14, 2002
10 percent exceeds	2,810		3,480		4,100	
50 percent exceeds	1,510		1,630		1,890	
90 percent exceeds	981		632		981	



02115360 YADKIN RIVER AT ENON, NC—Continued**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--October 2000 to current year.

INSTRUMENTATION.--Tipping-bucket raingage and electronic datalogger. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.13	0.00	0.03	3.04	0.05	1.39	0.00	0.00	0.00	0.01	0.00	0.00
2	0.00	0.21	0.00	0.00	0.01	0.84	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	---	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	---	0.00	0.00	0.00
5	0.29	0.00	0.00	0.37	0.00	0.00	0.00	0.07	---	0.84	0.00	0.00
6	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	---	0.01	0.00	0.00
7	0.01	1.17	0.00	0.71	0.00	0.00	0.01	0.00	---	0.00	0.00	0.00
8	0.35	0.24	0.00	0.46	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.06	0.01	0.00
11	0.34	0.57	0.00	0.00	0.00	0.00	0.90	0.01	---	0.19	0.00	0.00
12	0.01	0.03	0.00	0.00	0.00	0.00	0.15	0.00	---	0.00	0.00	0.00
13	0.00	0.00	0.04	0.00	1.68	0.00	0.02	0.00	---	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.02	0.00	0.78	0.00	---	0.00	0.00	1.75
15	0.00	0.03	0.00	0.00	0.00	0.00	1.44	0.00	---	0.00	0.00	0.01
16	0.00	1.58	0.00	0.00	0.00	2.05	0.00	0.33	---	1.07	0.00	0.00
17	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	0.69	0.02	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00
19	0.03	0.00	0.00	0.09	0.00	0.00	0.05	0.00	---	0.15	0.00	0.00
20	0.35	0.00	0.00	0.00	0.00	0.01	0.00	0.00	---	0.00	0.00	0.00
21	0.00	0.50	0.05	0.69	0.07	0.03	0.00	0.00	---	0.00	0.60	0.00
22	0.01	0.52	0.81	0.01	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00
23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	---	0.07	0.01	0.00
24	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	---	1.37	0.00	0.00
25	0.00	0.00	1.39	0.00	0.74	0.00	0.00	0.00	---	0.53	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
27	1.01	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.55	0.00	0.00
28	0.28	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.75	0.05	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.36	0.00	0.00	0.72	0.01	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.43	0.01	0.00	0.00
31	0.00	---	0.25	0.00	---	0.00	---	0.00	---	0.00	0.00	---
Total	3.96	4.85	2.58	5.38	2.60	4.73	3.51	0.47	---	5.62	0.65	1.76

02115360 YADKIN RIVER AT ENON, NC—Continued

