

02112000 YADKIN RIVER AT WILKESBORO, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°09'09", long 81°08'44" referenced to North American Datum of 1983, Wilkes County, NC, Hydrologic Unit 03040101, on right bank 150 ft upstream from bridge on North Carolina Highways 18/268 between North Wilkesboro and Wilkesboro, 150 ft downstream of Reddies River, 0.5 mi northeast of Wilkesboro, and 382 mi upstream from mouth of Pee Dee River in Winyah Bay.

DRAINAGE AREA.--504 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1903 to June 1909, October 1920 to current year. Prior to October 1928, published as "Yadkin River at North Wilkesboro".

REVISED RECORDS.--WSP 1433: 1903-09, 1922, 1925-26(M), 1930, 1932, 1934, 1946-48(M), drainage area at former site. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 942.35 ft above NGVD of 1929. April 10, 1903, to June 30, 1909, and October 17, 1920, to April 10, 1929, nonrecording gage at site 1.2 mi downstream at different datum. April 11, 1929, to January 9, 1930, nonrecording gage at present site and datum. U.S. Army Corps of Engineers telephone and satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges which are fair. Flow regulated since 1962 by W. Kerr Scott Reservoir (station 02111391) 5.5 mi upstream. Prior to regulation maximum discharge: 160,000 ft³/s, August 14, 1940, from rating curve extended above 20,000 ft³/s on basis of slope-area measurement of peak flow; gage height: 37.6 ft, from floodmarks.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 34.5 ft present site and datum, from floodmark; discharge, 116,000 ft³/s, from rating curve extended as explained above.

02112000 YADKIN RIVER AT WILKESBORO, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	194	199	201	558	511	336	451	573	228	180	169	1,010
2	192	196	204	528	445	332	427	439	210	175	165	639
3	193	196	202	e512	387	325	404	438	202	171	173	304
4	193	197	196	e502	397	359	394	433	190	171	159	249
5	194	189	197	496	431	1,030	406	400	180	182	152	173
6	198	188	197	492	408	1,380	668	370	177	245	149	173
7	200	184	196	485	431	497	1,170	367	178	201	149	173
8	193	185	200	480	390	559	1,590	393	180	186	150	168
9	187	185	203	459	374	1,040	693	389	186	189	152	466
10	185	188	198	407	357	1,330	473	320	201	226	154	269
11	181	197	197	415	343	736	462	325	172	214	144	300
12	179	200	197	404	339	718	466	329	170	183	140	426
13	184	201	196	398	362	704	453	314	170	284	198	491
14	189	201	196	391	1,670	695	443	311	190	248	166	476
15	185	209	205	361	378	572	430	311	198	195	168	460
16	181	197	262	336	345	442	416	330	175	168	159	547
17	183	194	216	355	347	503	413	316	168	165	158	532
18	182	199	202	358	394	597	411	315	165	168	153	498
19	166	195	201	358	375	606	433	313	167	169	151	284
20	185	193	200	350	394	709	445	304	166	172	150	283
21	172	193	228	e347	373	675	423	302	168	165	148	279
22	167	198	218	344	315	649	414	299	184	161	147	243
23	173	192	416	336	350	631	412	276	204	173	146	193
24	246	189	346	335	348	614	395	254	176	219	149	192
25	669	196	262	e334	341	604	374	249	170	176	147	191
26	575	214	249	334	360	599	408	243	169	180	202	234
27	363	226	237	333	352	564	399	241	201	182	1,700	413
28	252	201	285	327	337	460	442	247	177	175	938	436
29	220	196	398	327	334	465	535	256	187	170	1,580	485
30	209	194	371	330	---	460	664	240	199	170	1,610	464
31	202	---	487	322	---	452	---	239	---	173	1,360	---
Total	6,992	5,892	7,563	12,314	12,188	19,643	15,514	10,136	5,508	5,836	11,286	11,051
Mean	226	196	244	397	420	634	517	327	184	188	364	368
Max	669	226	487	558	1,670	1,380	1,590	573	228	284	1,700	1,010
Min	166	184	196	322	315	325	374	239	165	161	140	168

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	644	705	753	867	930	1,130	1,092	883	843	662	681	599
Max	1,834	2,571	1,619	1,965	1,832	2,346	2,868	1,954	2,075	1,720	2,239	1,948
(WY)	(1991)	(1978)	(1974)	(1995)	(1990)	(1993)	(1980)	(1973)	(2003)	(2003)	(1994)	(1979)
Min	191	196	244	302	335	441	435	300	184	188	194	203
(WY)	(1989)	(2008)	(2008)	(2001)	(2001)	(1988)	(1986)	(2001)	(2008)	(2008)	(1988)	(2007)

02112000 YADKIN RIVER AT WILKESBORO, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1963 - 2008 ^a	
Annual total	174,354		123,923			
Annual mean	478		339		815	
Highest annual mean					1,220	1973
Lowest annual mean					336	2002
Highest daily mean	3,250	Jan 3	1,700	Aug 27	7,990	Aug 10, 1970
Lowest daily mean	166	Oct 19	140	Aug 12	114	Dec 8, 1970
Annual seven-day minimum	175	Sep 4	148	Aug 6	141	Sep 8, 2002
Maximum peak flow			4,840	Feb 14	^b 12,800	Apr 10, 1983
Maximum peak stage			7.19	Feb 14	16.22	Apr 10, 1983
Instantaneous low flow			132	Feb 22	54	Oct 21, 1997
10 percent exceeds	716		558		1,390	
50 percent exceeds	361		253		626	
90 percent exceeds	193		169		316	

^aRegulated period only (1963-2008). See Remarks.^bSee Remarks.