

## PEE DEE RIVER BASIN

02112000 YADKIN RIVER AT WILKESBORO, NC

LOCATION.--Lat 36°09'09", long 81°08'45", Wilkes County, Hydrologic Unit 03040101, on right bank 150 ft upstream from bridge on State Highways 18 and 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 mi<sup>2</sup>.

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 sea level. Apr. 10, 1903, to June 30, 1909, and Oct. 17, 1920, to Apr. 10, 1929, nonrecording gage at site 1.2 mi downstream at different datum. Apr. 11, 1929, to Jan. 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 poor. Flow regulated since 1962 by W. Kerr Scott Reservoir (station 02111391) 5.5 mi upstream. Prior to regulation maximum discharge: 160,000 ft<sup>3</sup>/s, Aug. 14, 1940, from rating curve extended above 20,000 ft<sup>3</sup>/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 ft<sup>3</sup>/s, from rating curve extended as explained above.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251	198	196	e224	380	301	1290	352	292	295	765	351
2	242	204	214	e224	368	292	1020	356	287	288	772	349
3	242	204	228	e222	367	296	860	313	301	307	601	321
4	240	204	220	e222	366	338	813	286	327	336	740	321
5	238	205	216	e220	362	328	699	286	340	415	587	291
6	237	203	221	e220	358	329	629	294	329	321	361	288
7	235	200	233	e218	356	339	589	282	319	310	351	287
8	236	204	211	e218	354	347	508	281	310	320	345	303
9	229	267	214	e216	362	343	434	282	310	321	339	321
10	222	443	217	e216	317	342	429	281	310	321	320	337
11	202	253	214	e214	308	342	421	275	306	342	434	314
12	196	235	209	e214	314	344	420	280	299	338	415	301
13	196	222	229	e212	317	367	430	278	299	347	364	299
14	196	212	297	e212	326	345	422	252	360	369	414	297
15	200	208	290	e212	322	381	416	250	337	398	372	299
16	198	208	309	e210	326	372	409	279	307	393	359	300
17	194	211	567	e210	374	358	400	359	307	370	342	274
18	193	212	e300	e280	323	353	399	270	298	328	348	252
19	192	214	e280	574	309	339	312	260	281	333	678	257
20	194	215	e260	607	304	353	376	298	276	343	683	288
21	195	209	e250	395	303	e800	414	554	280	302	442	252
22	200	207	e250	342	305	885	413	317	334	303	278	239
23	201	209	e246	370	301	1260	405	292	344	291	287	242
24	196	212	e240	388	305	835	401	257	281	271	295	514
25	196	245	e236	399	370	842	402	314	299	290	295	299
26	199	280	e230	387	357	449	479	302	429	455	313	259
27	199	234	e230	391	325	384	345	270	322	573	292	271
28	200	221	e228	384	314	378	341	283	270	505	293	276
29	202	222	e228	379	---	850	342	304	266	992	308	287
30	200	221	e226	402	---	2060	338	292	285	1710	319	297
31	196	---	e226	388	---	1810	---	286	---	1080	333	---
TOTAL	6517	6782	7715	9370	9393	17362	15156	9285	9305	13567	13045	8986
MEAN	210	226	249	302	335	560	505	300	310	438	421	300
MAX	251	443	567	607	380	2060	1290	554	429	1710	772	514
MIN	192	198	196	210	301	292	312	250	266	271	278	239
†	-40	+46	-11	+40	-21	+94	-97	-1	-26	+96	-52	-7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001,\* BY WATER YEAR (WY)

	670	713	748	885	974	1180	1133	938	859	661	702	588
MEAN	670	713	748	885	974	1180	1133	938	859	661	702	588
MAX	1834	2571	1619	1965	1832	2346	2868	1954	1963	1191	2239	1948
(WY)	1991	1978	1974	1995	1990	1993	1980	1973	1975	1989	1994	1979
MIN	191	226	249	302	335	441	435	300	293	234	194	209
(WY)	1989	2001	2001	2001	2001	1988	1986	2001	1988	1988	1988	1988

02112000 YADKIN RIVER AT WILKESBORO, NC--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1963 - 2001*	
ANNUAL TOTAL	146536		126483		837 (UNADJUSTED)	
ANNUAL MEAN	400		347		1220 1973	
HIGHEST ANNUAL MEAN			#349		347 2001	
LOWEST ANNUAL MEAN					7990 Aug 10 1970	
HIGHEST DAILY MEAN	2830	Mar 21	2060	Mar 30	114 Dec 8 1970	
LOWEST DAILY MEAN	192	Oct 19	192	Oct 19	166 Aug 17 1988	
ANNUAL SEVEN-DAY MINIMUM	195	Oct 15	195	Oct 15	12800 Apr 10 1983	
MAXIMUM PEAK FLOW			3190	Mar 30	16.22 Apr 10 1983	
MAXIMUM PEAK STAGE			5.47	Mar 30	54 Oct 21 1997	
INSTANTANEOUS LOW FLOW			87	Apr 19		
10 PERCENT EXCEEDS	663		445		1400	
50 PERCENT EXCEEDS	320		303		640	
90 PERCENT EXCEEDS	210		210		343	

- e Estimated.
- † Change in contents, equivalent in cubic feet per second, in W. Kerr Scott Reservoir, provided by U.S. Army Corps of Engineers.
- ‡ Adjusted for change in W. Kerr Scott Reservoir.
- \* For regulated period only (1963-2001). See REMARKS.

