

PEE DEE RIVER BASIN

02129000 PEE DEE RIVER NEAR ROCKINGHAM, NC

LOCATION.--Lat 34°56'45", long 79°52'11", North American Datum of 1983, Richmond County, Hydrologic Unit 03040201, on left bank at bridge on U.S. Highway 74, 2.5 mi upstream from Falling Creek, 3.3 mi downstream of Blewett Falls hydroelectric plant, 6 mi west of Rockingham, and 192 mi upstream from mouth in Winyah Bay.

DRAINAGE AREA.--6,863 mi².

PERIOD OF RECORD.--August 1906 to January 1912, October 1927 to current year. August 1906 to January 1912 published as "Yadkin River near Pee Dee".

REVISED RECORDS.--WSP 1203: 1928-37. WSP 1303: 1928-42 (monthly and yearly runoff), 1943-46 (adjusted monthly runoff). WSP 1503: 1906-12, 1928-32(m). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.68 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). August 1906 to January 1912 nonrecording gage at site 3.3 mi upstream at different datum. Sept. 1927 to Sept. 30, 1931, water-stage recorder at present site at 121.68 ft. Telephone and satellite telemetry at station.

REMARKS.--Records good except those below 1000 ft³/s. Flow regulated since 1928 by Blewett Falls Lake and five other reservoirs upstream. Prior to regulation, maximum discharge: 276,000 ft³/s, Aug. 27, 1908; gage height: 31.28 ft, present site and datum, from records of State Highway Commission. Prior to regulation, minimum discharge: 2,210 ft³/s, Sept. 3, 1907. Minimum discharge for period of record also occurred Dec. 2, 3, 1951; minimum daily discharge for period of record: 58 ft³/s, Dec 2, 1951, a result of abnormally low flow during shutdown of Blewett Falls hydroelectric plant to produce steady flow for current-meter measurements at this gaging station. Minimum discharge from normal regulations: 96 ft³/s, Oct. 25, 1943; minimum daily discharge: 120 ft³/s, Oct. 8, 1961.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1990	438	407	1920	7490	4270	6640	732	3110	4010	809	4710
2	447	495	411	4650	4510	2290	6630	573	1700	3580	971	7340
3	347	433	487	5800	1890	2990	8400	2970	4120	3200	1040	1070
4	304	422	612	8220	5760	6070	8310	1860	1480	924	933	959
5	375	394	495	680	6080	10800	2860	614	848	766	958	917
6	288	464	488	488	6070	9590	1530	2120	1370	725	972	932
7	432	390	1740	4450	7290	2660	1150	438	2440	693	1000	963
8	390	397	1560	3800	9790	804	5020	4430	536	2350	1010	924
9	274	456	425	2850	10500	715	3140	2440	918	3280	1040	948
10	358	438	2580	1450	3060	534	4790	2100	2420	3360	937	977
11	382	396	4700	1900	5510	3750	4370	1870	2540	804	922	948
12	257	400	1920	1070	7620	4810	4810	612	2210	718	1080	950
13	355	419	937	627	6060	6160	852	2940	2960	747	977	1000
14	200	426	491	2700	5600	5080	3450	3120	2630	753	955	933
15	1310	386	908	1690	4970	3600	4120	837	632	711	914	925
16	783	433	740	1710	937	3810	3140	1990	328	1810	911	1240
17	371	422	1510	2300	1200	3490	5960	3940	1240	2570	973	972
18	409	407	4850	1720	5110	1620	2890	1960	2340	3250	909	973
19	292	399	3740	3380	5420	1910	747	982	2860	913	988	988
20	565	389	3040	4420	4040	2440	487	1500	991	748	1010	1010
21	554	390	3460	9490	1730	5790	495	269	2410	717	873	951
22	418	397	530	3540	1950	8070	3530	2410	2630	700	971	946
23	495	412	393	6910	327	6460	3500	2210	437	1090	923	933
24	601	425	390	21000	320	1970	3250	4640	2920	2350	965	970
25	360	430	504	17800	2810	6020	1340	1250	2900	2690	998	955
26	374	419	1560	12400	2990	6070	715	382	1100	2520	1120	963
27	362	458	2690	7850	6270	7790	495	307	1220	1020	1150	1120
28	464	409	3070	2410	7680	6310	491	4420	3030	1020	1030	953
29	709	415	1260	2050	---	7420	4900	1170	1370	642	994	949
30	633	417	571	4110	---	5450	4320	1930	437	1670	1020	1020
31	500	---	3070	7850	---	1710	---	3600	---	1390	1000	---
TOTAL	15599	12576	49539	151235	132984	140453	102332	60616	56127	51721	30353	39439
MEAN	503.2	419.2	1598	4879	4749	4531	3411	1955	1871	1668	979.1	1315
MAX	1990	495	4850	21000	10500	10800	8400	4640	4120	4010	1150	7340
MIN	200	386	390	488	320	534	487	269	328	642	809	917
†	+95	+688	+48	+1156	-1263	+1020	-310	-453	-1306	-536	-237	+1311

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002,* BY WATER YEAR (WY)

	MEAN	5879	5459	7382	10980	12470	13320	10670	7155	5823	5206	5310	5317
MAX	25850	16120	20300	31270	36040	34480	31340	15630	15210	16790	19180	35690	
(WY)	1991	1958	1933	1937	1960	1993	1936	1958	1972	1975	1928	1928	
MIN	503	419	1598	2475	3032	4117	2692	1955	1853	1668	979	1008	
(WY)	2002	2002	2002	1956	2001	1981	1981	2002	1986	2002	2002	1954	

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002*	
ANNUAL TOTAL	1000016		842974		7891 (UNADJUSTED)	
ANNUAL MEAN	2740		2310		2310 1975	
HIGHEST ANNUAL MEAN					13000 2002	
LOWEST ANNUAL MEAN					2310 1975	
HIGHEST DAILY MEAN	26300	Mar 31	21000	Jan 24	242000	Sep 18 1945
LOWEST DAILY MEAN	200	Oct 14	200	Oct 14	58*	Dec 2 1951
ANNUAL SEVEN-DAY MINIMUM	317	Oct 8	317	Oct 8	185	Sep 28 1985
MAXIMUM PEAK FLOW			24000	Jan 24	270000*	Sep 18 1945
MAXIMUM PEAK STAGE			6.68	Jan 24	30.80*	Sep 18 1945
INSTANTANEOUS LOW FLOW			170	Oct 23	50*	Dec 2 1951
10 PERCENT EXCEEDS	5720		5790		14200	
50 PERCENT EXCEEDS	2010		1100		5520	
90 PERCENT EXCEEDS	395		408		1530	

† Change in contents, equivalent in cubic feet per second, in W. Kerr Scott Reservoir, provided by U.S. Army Corps of Engineers; High Rock Lake, Tuckertown Reservoir, and Badin Lake, provided by Yadkin, Inc.; Lake Tillery and Blewett Falls Lake, provided by Carolina Power and Light Company.

‡ Adjusted for change in contents.

* For regulated period only (1928-2002). See REMARKS.

