

02129000 PEE DEE RIVER NEAR ROCKINGHAM, NC

LOCATION.--Lat 34°56'45", long 79°52'11", 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, which are fair. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46,800	6,130	9,610	7,860	9,210	23,600	16,300	5,270	2,850	6,830	12,500	3,440
2	14,500	6,030	9,730	6,900	9,480	15,700	15,400	6,260	7,090	4,310	10,900	3,590
3	8,880	2,760	10,300	7,980	9,320	11,800	13,800	5,680	17,300	2,130	10,100	733
4	10,400	6,990	9,680	8,700	9,210	12,900	13,800	5,720	10,900	1,190	8,270	389
5	9,150	7,140	8,070	9,200	6,920	10,900	10,600	6,940	7,210	5,130	6,950	382
6	5,650	5,670	1,090	9,650	4,720	9,820	9,810	6,560	2,660	8,770	484	1,930
7	8,220	3,110	1,580	3,970	6,210	9,560	9,510	4,970	3,910	9,550	438	1,510
8	6,430	3,070	347	267	7,120	9,300	9,320	2,200	8,120	9,520	4,790	1,520
9	3,020	3,050	4,730	258	8,110	9,280	9,450	5,100	8,120	18,200	5,250	3,600
10	759	6,700	16,500	239	9,040	10,500	9,590	7,170	8,390	19,900	5,460	636
11	5,380	9,460	13,300	5,460	2,570	12,200	10,200	8,210	6,720	11,200	8,920	497
12	5,810	2,430	37,100	6,470	2,200	9,890	9,780	7,630	618	9,900	8,170	2,960
13	6,990	1,090	15,300	7,280	942	9,640	10,200	776	4,420	8,130	3,820	3,030
14	8,700	3,040	6,920	14,800	6,230	8,210	25,800	228	7,800	3,980	3,720	2,940
15	8,090	3,060	5,810	32,400	7,440	9,520	26,900	284	5,880	7,440	5,570	2,860
16	5,810	4,820	9,020	16,700	9,050	9,590	14,900	5,440	6,240	4,190	5,440	2,680
17	7,600	3,990	8,990	13,100	8,920	23,000	11,600	2,690	6,170	3,330	7,450	2,160
18	4,430	5,780	6,290	11,900	4,650	21,900	10,000	4,500	272	4,510	7,310	481
19	6,660	4,480	6,300	11,700	1,930	11,900	9,270	4,930	1,280	6,570	7,960	346
20	6,990	6,860	6,770	10,300	9,580	8,060	8,940	4,310	2,020	5,250	1,710	2,250
21	5,990	8,100	7,630	9,600	8,610	7,570	5,830	3,430	3,690	5,160	4,080	2,680
22	4,950	5,820	7,610	9,650	6,740	7,850	8,580	3,940	5,040	4,590	4,660	2,010
23	3,130	5,830	7,890	9,740	7,590	8,900	712	5,730	3,640	4,230	4,890	2,270
24	1,100	8,480	8,200	9,800	7,790	9,410	439	5,880	2,330	2,280	5,930	384
25	5,120	9,070	9,190	9,380	9,450	9,410	5,160	3,970	895	4,330	5,640	330
26	4,620	8,700	9,540	6,680	5,310	7,360	5,470	2,350	597	5,810	3,930	1,250
27	5,350	9,300	9,810	5,770	4,180	5,120	5,010	1,800	5,160	5,900	2,190	637
28	3,040	8,440	9,770	8,060	8,290	8,370	6,870	585	4,570	4,810	2,520	1,460
29	5,600	9,440	8,070	7,950	---	42,600	7,050	351	10,900	4,410	3,200	1,890
30	1,050	9,540	6,690	6,500	---	45,400	7,640	337	10,700	3,460	5,150	1,340
31	1,260	---	6,730	6,820	---	29,400	---	2,500	---	4,680	5,710	---
TOTAL	221,479	178,380	278,567	275,084	190,812	428,660	307,931	125,741	165,492	199,690	173,112	52,185
MEAN	7,144	5,946	8,986	8,874	6,815	13,830	10,260	4,056	5,516	6,442	5,584	1,740
MAX	46,800	9,540	37,100	32,400	9,580	45,400	26,900	8,210	17,300	19,900	12,500	3,600
MIN	759	1,090	347	239	942	5,120	439	228	272	1,190	438	330
†	-870	99	-459	-589	917	678	-284	201	-185	295	-871	-171

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005,* BY WATER YEAR (WY)

MEAN	5,860	5,516	7,485	10,830	12,350	13,430	10,850	7,210	5,980	5,293	5,422	5,492
MAX	25,850	16,120	20,300	31,270	36,040	34,480	31,340	17,410	20,260	16,790	19,180	35,690
(WY)	(1991)	(1958)	(1933)	(1937)	(1960)	(1993)	(1936)	(2003)	(2003)	(1975)	(1928)	(1928)
MIN	503	419	1,598	2,475	3,032	4,117	2,692	1,955	1,853	1,668	979	1,008
(WY)	(2002)	(2002)	(2002)	(1956)	(2001)	(1981)	(1981)	(2002)	(1986)	(2002)	(2002)	(1954)

02129000 PEE DEE RIVER NEAR ROCKINGHAM, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005*	
ANNUAL TOTAL	2,555,980		2,597,133		UNADJUSTED	
ANNUAL MEAN	6,984		7,115		7,955	
HIGHEST ANNUAL MEAN			‡7,004		14,980	2003
LOWEST ANNUAL MEAN					2,310	2002
HIGHEST DAILY MEAN	81,400	Sep 9	46,800	Oct 1	242,000	Sep 18, 1945
LOWEST DAILY MEAN	279	Aug 8	228	May 14	58*	Dec 2, 1951
ANNUAL SEVEN-DAY MINIMUM	1,760	May 27	1,040	Sep 24	185	Sep 28, 1985
MAXIMUM PEAK FLOW			69,100	Oct 1	270,000*	Sep 18, 1945
MAXIMUM PEAK STAGE			11.96	Oct 1	30.80*	Sep 18, 1945
INSTANTANEOUS LOW FLOW			185	Jan 9	50*	Dec 2, 1951
10 PERCENT EXCEEDS	10,100		11,000		14,300	
50 PERCENT EXCEEDS	5,840		6,470		5,590	
90 PERCENT EXCEEDS	1,350		1,260		1,530	

† 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.
 * Regulated period only (1928-2005). See REMARKS.
 ‡ Adjusted for change in contents.

