

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,710	227	6,680	8,090	2,290	9,050	7,730	4,710	2,700	3,520	3,430	7,290
2	4,870	240	7,810	7,200	2,260	12,800	3,820	2,960	2,640	4,410	2,370	3,420
3	750	2,100	8,130	3,520	3,040	13,100	1,480	9,170	2,620	6,230	934	4,510
4	391	3,110	9,430	988	5,880	11,000	919	9,630	3,110	2,680	5,280	414
5	285	4,180	8,110	5,890	8,860	10,200	5,880	6,060	580	2,930	6,160	435
6	3,840	4,630	9,120	8,720	9,420	8,630	4,820	7,250	331	5,010	2,870	1,030
7	4,190	4,620	9,600	7,500	9,800	4,740	4,250	7,150	3,400	5,840	302	8,040
8	4,670	1,520	8,300	7,390	15,200	6,950	5,850	2,870	4,870	5,800	279	38,400
9	7,590	500	6,180	7,170	11,500	7,070	5,510	7,280	3,750	3,800	3,870	81,400
10	6,320	4,170	6,190	7,310	13,100	7,320	1,930	7,990	3,310	653	7,410	59,500
11	3,410	5,200	4,290	4,770	11,200	6,780	3,110	7,680	3,770	363	2,080	34,100
12	987	5,770	7,580	6,180	11,800	7,030	5,810	7,700	1,460	3,800	5,140	14,900
13	5,230	5,630	8,400	5,870	13,600	6,920	6,610	4,860	469	4,260	9,050	10,900
14	7,910	8,330	8,070	5,840	12,000	1,750	7,440	914	1,140	4,980	8,980	12,700
15	7,450	1,470	9,470	7,110	10,300	6,670	9,540	366	3,340	5,560	9,780	17,700
16	6,560	681	10,700	7,010	10,600	6,080	9,490	284	5,150	4,600	8,530	14,400
17	6,070	4,970	9,750	3,650	11,600	6,070	9,470	3,290	5,160	840	5,020	10,100
18	2,420	7,980	7,900	1,030	10,400	7,240	4,590	3,530	5,900	360	5,610	16,100
19	1,600	8,730	5,830	5,480	9,860	7,280	4,700	6,070	4,110	2,520	5,560	9,850
20	5,110	10,900	6,010	7,450	9,700	3,490	6,030	5,940	611	2,730	5,840	6,380
21	4,700	10,900	6,410	5,780	9,510	1,720	6,350	6,020	4,520	4,220	2,570	4,720
22	6,450	9,810	5,730	6,740	5,260	5,850	6,780	969	5,330	3,990	917	5,920
23	5,550	3,870	6,900	8,790	8,080	5,480	6,980	2,430	7,490	5,200	961	6,310
24	4,500	5,170	7,170	6,660	6,750	7,150	4,560	3,940	9,230	919	1,390	5,430
25	2,520	5,700	5,810	5,960	8,200	7,590	3,360	4,370	8,220	290	2,630	3,860
26	3,730	5,800	5,980	6,680	8,330	4,130	4,450	3,350	3,390	2,410	3,800	6,400
27	4,760	6,340	6,960	7,590	8,070	1,390	7,160	2,130	3,460	2,780	4,090	5,280
28	6,060	6,680	4,930	6,460	8,020	1,400	6,830	2,590	7,860	2,930	558	25,300
29	7,130	7,040	7,930	5,730	8,070	4,280	5,400	456	5,220	8,570	3,310	79,000
30	6,990	3,140	6,870	5,460	---	6,200	5,490	322	4,690	4,750	5,260	76,300
31	5,360	---	8,250	2,780	---	6,080	---	1,460	---	3,590	4,100	---
TOTAL	144,113	149,408	230,490	186,798	262,700	201,440	166,339	133,741	117,831	110,535	128,081	570,089
MEAN	4,649	4,980	7,435	6,026	9,059	6,498	5,545	4,314	3,928	3,566	4,132	19,000
MAX	7,910	10,900	10,700	8,790	15,200	13,100	9,540	9,630	9,230	8,570	9,780	81,400
MIN	285	227	4,290	988	2,260	1,390	919	284	331	290	279	414
†	-540	+52	-169	-1,646	+1,846	+78	+706	+69	+340	-211	-619	+1,208

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004,* BY WATER YEAR (WY)

MEAN	5,843	5,510	7,465	10,860	12,420	13,430	10,850	7,251	5,986	5,278	5,420	5,541
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004*	
ANNUAL TOTAL	5,135,046		2,401,565		7,966 (UNADJUSTED)	
ANNUAL MEAN	14,070		6,562		2,310	
HIGHEST ANNUAL MEAN			‡6640		14,980 2003	
LOWEST ANNUAL MEAN					2,310 2002	
HIGHEST DAILY MEAN	140,000	Apr 11	81,400	Sep 9	242,000	Sep 18, 1945
LOWEST DAILY MEAN	227	Nov 1	227	Nov 1	58*	Dec 2, 1951
ANNUAL SEVEN-DAY MINIMUM	2,710	Oct 2	1,760	May 27	185	Sep 28, 1985
MAXIMUM PEAK FLOW			85,300		27,000*	
MAXIMUM PEAK STAGE			13.71		30.80*	
INSTANTANEOUS LOW FLOW			199		50*	
10 PERCENT EXCEEDS	28,300		9,790		14,400	
50 PERCENT EXCEEDS	9,600		5,750		5,580	
90 PERCENT EXCEEDS	3,910		1,110		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 (1928-2004). See REMARKS.
 ‡ Adjusted for change in contents.

