

CAPE FEAR RIVER BASIN

02094500 REEDY FORK NEAR GIBSONVILLE, NC

LOCATION.--Lat 36°10'31", long 79°37'01", Guilford County, Hydrologic Unit 03030002, on right bank 0.2 mi downstream of Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--September 1928 to current year.

REVISED RECORDS.--WSP 1303: 1929-40 (monthly and yearly runoff). WSP 1383: 1929-30, 1933(M), 1934, 1937(M), 1939-42(M), 1948. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and rock-masonry control. Datum of gage is 626.88 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. Flow regulated since 1923 by Lake Brandt (station 02094117), 14 mi upstream; since 1957 by Lake Higgins (station 02093981) on Brush Creek, a tributary to Lake Brandt; since 1943 by Richland Lake 12 mi. upstream from station; and since 1968 by Lake Townsend (station 02094305), 9 mi upstream from station. City of Greensboro diverted a daily average of 18.5 ft³/s from Lake Brandt and a daily average of 24.9 ft³/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft³/s, Sept. 25, 1947; gage height: 20.77 ft; minimum discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.90 ft, from information by local resident; discharge, 8,640 ft³/s.

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	4.7	4.3	6.5	6.5	17	12	18	6.2	3.7	2.7	3.6	1580
2	4.7	13	8.7	7.2	16	18	16	6.3	3.6	2.8	3.4	139
3	7.9	15	7.4	7.6	14	55	12	6.2	3.9	2.8	2.7	46
4	8.3	11	6.4	8.9	16	35	11	6.1	5.3	2.5	2.3	24
5	6.5	12	8.4	9.1	23	21	11	8.3	7.1	2.3	1.9	12
6	4.8	8.0	9.5	14	27	17	11	7.0	7.4	2.0	1.7	6.1
7	4.7	10	15	16	54	15	9.5	6.4	8.9	1.8	1.5	4.6
8	3.9	11	25	8.7	47	13	9.1	6.0	10	1.5	1.4	4.3
9	4.4	16	31	6.3	30	13	9.8	6.2	9.6	1.1	1.3	4.3
10	5.1	18	34	7.2	23	14	15	5.6	8.1	0.63	1.1	4.4
11	7.3	16	62	5.7	22	13	12	5.3	7.0	0.73	1.0	4.4
12	9.8	14	36	4.7	18	14	10	5.2	5.9	1.4	0.84	4.1
13	13	12	24	4.5	16	21	11	6.1	5.0	3.0	0.67	4.3
14	23	11	16	5.0	15	22	10	6.7	4.9	3.1	0.56	5.2
15	34	11	13	6.2	16	19	11	6.4	4.9	3.1	0.49	12
16	13	12	13	6.7	17	16	10	5.4	5.1	3.3	0.42	23
17	5.8	12	10	5.3	14	15	11	5.9	4.6	3.5	0.27	19
18	7.4	12	26	7.0	13	25	8.3	4.4	3.6	3.2	1.8	14
19	6.2	13	14	20	12	27	8.8	5.4	2.9	2.8	2.0	17
20	7.6	14	9.5	17	13	21	8.0	5.9	2.4	2.2	1.9	19
21	7.1	13	6.9	4.5	15	23	8.2	5.4	1.8	1.7	1.7	15
22	8.8	13	4.7	16	13	23	7.1	5.4	1.4	1.3	1.4	14
23	12	14	4.5	103	12	17	7.0	6.4	1.2	2.4	1.2	12
24	13	11	5.9	87	12	15	6.6	5.7	1.2	6.5	0.96	10
25	15	13	7.4	63	12	14	6.1	4.8	1.1	7.0	0.93	8.3
26	18	11	6.5	43	12	13	6.6	4.1	0.87	9.1	1.3	8.0
27	17	8.7	6.1	29	12	22	6.8	3.2	1.0	28	1.4	21
28	17	8.1	6.7	24	12	18	6.5	3.0	1.1	22	1.4	9.6
29	17	7.2	7.2	21	---	14	6.2	2.7	1.1	6.6	1.3	5.0
30	21	6.0	7.5	18	---	13	5.9	2.4	2.1	3.7	2.0	5.8
31	7.2	---	7.0	19	---	13	---	2.8	---	3.6	15	---
TOTAL	335.2	350.3	445.8	601.1	523	591	289.5	166.9	126.77	138.36	59.44	2055.4
MEAN	10.81	11.68	14.38	19.39	18.68	19.06	9.650	5.384	4.226	4.463	1.917	68.51
MAX	34	18	62	103	54	55	18	8.3	10	28	15	1580
MIN	3.9	4.3	4.5	4.5	12	12	5.9	2.4	0.87	0.63	0.27	4.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002,* BY WATER YEAR (WY)

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002					
MEAN	51.29	42.88	83.80	171.5	151.7	168.0	138.1	90.96	59.86	58.57	39.67	72.80																											
MAX	432	165	221	644	456	613	613	365	477	596	216	518																											
(WY)	1991	1993	1973	1978	1979	1993	1987	1978	1982	1984	1978	1996																											
MIN	2.85	6.70	5.97	11.1	18.7	16.4	9.65	5.38	4.23	2.83	1.92	3.31																											
(WY)	1969	1970	1969	1981	2002	1976	2002	2002	2002	1986	2002	1983																											

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1969 - 2002*	
ANNUAL TOTAL	16182.6		5682.77			
ANNUAL MEAN	44.34		15.57		93.83	
HIGHEST ANNUAL MEAN					188	1984
LOWEST ANNUAL MEAN					15.6	2002
HIGHEST DAILY MEAN	1100	Mar 30	1580	Sep 1	5230	Sep 6 1996
LOWEST DAILY MEAN	2.9	Sep 28	0.27	Aug 17	0.27	Aug 17 2002
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 26	0.61	Aug 11	0.61	Aug 11 2002
MAXIMUM PEAK FLOW			3110	Sep 1	6330	Sep 6 1996
MAXIMUM PEAK STAGE			10.56	Sep 1	15.65	Sep 6 1996
INSTANTANEOUS LOW FLOW			0.22	Aug 17	0.22	Aug 17 2002
10 PERCENT EXCEEDS	66		22		251	
50 PERCENT EXCEEDS	14		8.0		21	
90 PERCENT EXCEEDS	7.1		1.8		5.6	

* Regulated period only (1969-2002). See REMARKS.

02094500 REEDY FORK NEAR GIBSONVILLE, NC--Continued

