

CAPE FEAR RIVER BASIN

02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°02'36", long 79°43'33", Guilford County, Hydrologic Unit 03030002, on left bank at upstream side of bridge on Secondary Road 3000, 3.8 mi east of Greensboro, 4.0 mi downstream from Run Creek.

DRAINAGE AREA.--34.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958. August 1998 to current year. Prior to October 1952, published as "Buffalo Creek near Greensboro".

REVISIONS.--WSP 972: 1928-30, 1932-33, 1934(M), 1935-37, 1939, 1940(M). WSP 1303: 1934, 1938, 1940-42, monthly and yearly runoff. WSP 1383: Drainage area, 1931, 1941(M).

GAGE.--Water-stage recorder. Elevation of gage is 700 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated discharges, which are poor. Maximum discharge 10,000 ft³/s July 15, 1949, gage-height 11.54 ft, from rating curve extended above 2,000 ft³/s based on contracted-opening measurement, site and datum then in use. Minimum discharge for period of record also occurred Aug 8, 1999.

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	3.5	e3.8	e7.2	21	16	6.8	61	5.1	4.4	1.6	0.54	1190
2	3.6	e3.8	e5.2	21	11	194	15	22	12	7.1	0.68	37
3	3.4	e4.2	e4.5	26	10	170	11	2.8	3.5	40	0.57	14
4	3.3	e4.0	e3.9	42	9.9	34	8.4	21	2.2	84	0.42	7.7
5	3.1	e3.9	e4.1	42	9.1	18	7.5	8.1	2.1	34	0.48	5.1
6	4.4	e3.8	e3.6	258	19	14	7.0	2.3	2.0	5.8	0.56	4.0
7	5.5	e4.3	e3.8	80	231	12	6.6	2.4	24	2.7	1.7	3.4
8	3.2	e4.1	e3.9	44	43	11	6.7	2.5	3.2	2.0	2.5	2.5
9	2.8	e4.0	e3.9	29	21	11	7.1	2.2	1.9	1.8	2.8	2.3
10	3.1	e4.0	117	26	32	9.9	13	3.0	1.4	2.1	2.4	2.2
11	3.4	e3.9	274	24	25	8.3	8.1	5.0	1.3	190	1.8	2.4
12	4.1	e3.9	35	21	15	31	9.8	5.4	1.4	11	1.5	2.0
13	4.0	e3.8	29	23	13	62	9.5	20	0.90	4.0	1.4	1.9
14	284	e3.7	27	21	11	22	6.9	17	1.5	12	1.7	5.4
15	39	e3.7	24	19	11	13	12	2.4	1.1	8.3	24	158
16	8.7	e3.6	22	19	10	11	7.9	1.5	0.76	3.4	24	33
17	e6.7	e3.6	43	18	9.8	52	6.2	1.4	0.79	2.0	16	8.9
18	e4.7	e3.7	133	19	8.6	33	6.5	14	0.73	1.5	22	16
19	e4.5	e3.6	31	642	8.5	18	5.7	4.5	0.77	1.5	12	33
20	e4.0	e3.6	24	246	10	19	14	2.2	0.64	1.1	13	6.6
21	e4.5	e3.8	22	78	17	60	5.7	3.0	0.73	1.2	2.7	3.7
22	e4.2	e3.7	21	37	9.3	22	5.2	1.9	0.66	1.2	2.7	3.0
23	e5.3	e3.6	21	496	8.5	12	3.2	1.2	0.68	3.7	7.5	2.7
24	e6.1	e22	78	88	8.5	11	2.5	1.1	0.62	32	2.7	2.5
25	e11	e7.8	28	152	8.1	9.5	2.6	1.3	0.56	40	2.6	2.2
26	e4.9	e3.7	23	38	7.8	10	1.9	1.4	17	166	11	124
27	e4.3	e3.4	21	25	8.0	54	1.7	1.5	54	77	8.3	60
28	e4.2	e3.4	22	21	6.7	13	1.6	2.3	20	13	129	23
29	e4.0	e3.3	21	17	--	9.6	2.2	2.3	4.5	5.9	32	6.5
30	e3.9	e3.8	21	16	--	8.9	3.9	14	1.9	3.4	170	3.9
31	e3.8	--	21	14	--	39	--	17	--	0.75	331	--
TOTAL	455.2	135.5	1098.1	2623	597.8	999.0	260.4	191.8	167.24	760.05	829.55	1766.9
MEAN	14.68	4.517	35.42	84.61	21.35	32.23	8.680	6.187	5.575	24.52	26.76	58.90
MAX	284	22	274	642	231	194	61	22	54	190	331	1190
MIN	2.8	3.3	3.6	14	6.7	6.8	1.6	1.1	0.56	0.75	0.42	1.9
CFSM	0.44	0.13	1.05	2.52	0.64	0.96	0.26	0.18	0.17	0.73	0.80	1.75
IN.	0.50	0.15	1.22	2.90	0.66	1.11	0.29	0.21	0.19	0.84	0.92	1.96

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

MEAN	22.46	28.08	37.94	59.10	64.36	59.23	48.61	25.75	26.66	33.60	22.77	39.38
MAX	109	109	108	179	135	182	127	71.4	98.3	307	79.5	218
(WY)	1930	1949	1933	1937	1953	1952	1936	1946	2000	1949	1939	2000
MIN	1.82	3.53	6.86	7.87	14.0	22.5	8.68	6.19	4.40	2.64	2.33	2.26
(WY)	1931	1932	1934	1942	1931	1930	2002	2002	1933	1932	1932	1930

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1928 - 2002®

ANNUAL TOTAL	14681.6	9884.54	
ANNUAL MEAN	40.22	27.08	38.61
HIGHEST ANNUAL MEAN			73.2
LOWEST ANNUAL MEAN			21.0
HIGHEST DAILY MEAN	941	Feb 17	5460
LOWEST DAILY MEAN	2.8	Jul 23	0.42
ANNUAL SEVEN-DAY MINIMUM	3.5	Sep 29	0.57
MAXIMUM PEAK FLOW			10000*
MAXIMUM PEAK STAGE			13.13
INSTANTANEOUS LOW FLOW			Sep 15 2000
ANNUAL RUNOFF (CFSM)	1.20	0.81	1.15
ANNUAL RUNOFF (INCHES)	16.25	10.94	15.61
10 PERCENT EXCEEDS	92	42	72
50 PERCENT EXCEEDS	11	6.9	14
90 PERCENT EXCEEDS	3.8	1.5	4.4

e Estimated.

® See PERIOD OF RECORD.

* See REMARKS.

02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC--Continued

