

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 sea level, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.7	7.1	e6.4	14	17	465	8.2	207	3.9	26	34
2	10	5.7	7.1	e6.6	11	15	83	7.9	48	6.2	14	23
3	9.6	6.1	7.1	e6.8	9.5	19	86	7.6	14	6.6	8.0	6.7
4	12	6.2	6.3	e6.6	9.0	236	43	7.0	11	251	6.3	41
5	10	5.7	6.4	e6.6	9.4	88	30	6.7	21	115	5.4	11
6	8.5	5.7	6.4	e7.0	9.6	32	25	7.1	153	11	4.9	5.7
7	7.4	7.8	6.8	e6.6	8.4	23	22	5.9	99	7.0	4.8	4.6
8	6.3	14	6.5	36	8.3	19	20	6.0	15	49	4.3	4.0
9	6.4	36	6.3	19	9.9	16	18	6.6	10	18	4.2	5.6
10	7.6	26	6.2	e9.0	20	14	17	29	8.0	104	29	60
11	7.3	9.4	6.4	7.7	11	13	15	15	6.6	8.8	322	20
12	7.6	7.1	6.5	7.8	28	14	15	79	9.3	5.2	83	5.7
13	6.7	6.8	6.5	8.9	37	34	35	45	154	4.8	18	4.3
14	6.4	93	14	7.2	30	15	18	9.0	113	4.7	13	3.9
15	6.4	19	9.7	7.4	31	203	13	7.1	13	3.9	7.1	3.8
16	6.5	9.0	35	6.9	49	57	13	110	8.7	3.3	5.5	3.2
17	6.3	9.5	110	6.4	941	28	12	55	5.9	3.2	4.7	3.1
18	6.1	8.1	17	62	52	20	14	15	5.4	39	152	3.3
19	6.0	16	19	236	29	17	11	9.5	4.8	23	16	3.3
20	6.4	25	e16	315	22	153	9.9	13	4.4	5.6	8.5	62
21	6.2	11	e12	49	20	e358	11	68	9.3	4.1	5.7	17
22	5.7	6.9	e9.8	26	36	83	9.6	29	76	3.1	4.6	5.4
23	5.7	6.6	e8.0	19	34	34	9.4	22	110	2.8	4.4	4.0
24	6.1	6.9	e7.4	15	26	26	13	9.4	11	5.7	205	203
25	7.4	150	e7.2	13	118	21	148	26	19	29	12	61
26	7.0	52	e6.4	11	41	19	20	599	28	222	7.0	9.9
27	5.8	18	6.9	11	23	14	13	26	67	421	5.6	6.5
28	6.2	10	7.3	10	19	14	11	26	8.7	28	4.8	4.8
29	6.1	8.7	11	9.7	---	711	10	16	5.4	107	35	4.1
30	5.3	7.9	e8.2	68	---	469	8.2	10	4.3	111	18	3.6
31	5.7	---	e6.8	22	---	443	---	8.0	---	15	37	---
TOTAL	221.7	599.8	397.3	1029.6	1656.1	3225	1218.1	1289.0	1249.8	1621.9	1075.8	627.5
MEAN	7.15	20.0	12.8	33.2	59.1	104	40.6	41.6	41.7	52.3	34.7	20.9
MAX	12	150	110	315	941	711	465	599	207	421	322	203
MIN	5.3	5.7	6.2	6.4	8.3	13	8.2	5.9	4.3	2.8	4.2	3.1
CFSM	.21	.60	.38	.99	1.76	3.10	1.21	1.24	1.24	1.56	1.03	.62
IN.	.25	.66	.44	1.14	1.83	3.57	1.35	1.43	1.38	1.80	1.19	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001,® BY WATER YEAR (WY)

MEAN	22.7	28.8	38.0	58.3	65.6	60.0	49.8	26.3	27.3	33.9	22.7	38.8
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	11.9	6.53	4.40	2.64	2.33	2.26
(WY)	1931	1932	1934	1942	1931	1930	1942	1936	1933	1932	1932	1930

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1928 - 2001®

ANNUAL TOTAL	20935.3	14211.6	
ANNUAL MEAN	57.2	38.9	39.0
HIGHEST ANNUAL MEAN			73.2
LOWEST ANNUAL MEAN			21.0
HIGHEST DAILY MEAN	1940	Sep 15	5460
LOWEST DAILY MEAN	2.0	Jun 12	.50
ANNUAL SEVEN-DAY MINIMUM	3.4	Jun 7	.80
MAXIMUM PEAK FLOW			10000
MAXIMUM PEAK STAGE			11.63
INSTANTANEOUS LOW FLOW			2.6
ANNUAL RUNOFF (CFSM)	1.70		1.16
ANNUAL RUNOFF (INCHES)	23.18		15.73
10 PERCENT EXCEEDS	128		87
50 PERCENT EXCEEDS	13		11
90 PERCENT EXCEEDS	5.9		5.4

e Estimated.

® See PERIOD OF RECORD.

* See REMARKS.

02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC--Continued

