

CAPE FEAR RIVER BASIN

02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC

LOCATION.--Lat 36°04'39", long 79°48'48", Guilford County, Hydrologic Unit 03030002, on right bank at termination of Westover Terrace in Greensboro, 0.7 mi above Southern Railway.

DRAINAGE AREA.--9.55 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 736.25 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record and current water year also occurred on Aug. 10, 11, 12, 2002.

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	1.3	e1.2	2.1	3.3	3.6	3.5	10	1.7	13	0.05	0.11	e182
2	1.2	e1.4	1.5	3.6	3.6	65	3.3	21	3.4	2.8	0.14	2.8
3	1.2	e4.0	1.6	5.2	3.5	23	3.0	2.6	0.50	15	0.09	0.97
4	1.2	e2.2	1.8	7.9	3.9	5.0	2.7	16	0.34	47	0.08	0.59
5	1.3	e1.9	1.8	5.1	4.0	3.5	2.5	3.3	0.28	2.1	0.07	0.41
6	2.6	e1.7	1.7	73	16	3.1	2.7	1.7	46	0.33	0.06	0.35
7	1.9	e2.6	1.7	8.6	57	3.0	2.6	1.6	4.7	0.16	0.09	0.42
8	1.4	e1.9	1.8	3.5	7.6	2.9	3.1	1.6	0.37	0.15	0.04	0.47
9	1.4	e1.7	1.7	2.4	4.5	3.8	3.4	1.4	0.17	0.14	0.00	0.63
10	1.8	e2.7	71	2.5	9.2	3.4	4.7	1.1	0.15	0.28	0.00	0.83
11	1.9	e2.0	35	2.7	4.7	2.8	3.0	1.4	0.30	30	0.00	1.1
12	2.2	e1.8	2.3	2.5	3.8	18	5.3	2.0	0.33	0.53	0.00	1.2
13	2.6	e1.7	1.8	3.3	3.6	11	2.7	26	0.66	0.21	0.01	1.4
14	74	e1.7	1.5	2.7	3.4	3.9	5.9	3.9	0.79	2.6	0.03	1.9
15	3.5	e1.6	1.4	2.9	3.5	3.2	5.1	1.0	0.34	0.66	0.55	58
16	1.5	e1.6	1.3	2.7	3.6	2.9	2.4	0.81	0.24	0.24	1.8	8.4
17	e1.4	e1.5	35	2.7	3.9	20	2.2	0.82	0.26	0.13	2.4	0.78
18	e1.3	e1.5	13	3.6	3.2	7.9	2.6	8.3	0.29	0.14	0.86	4.8
19	e1.2	e1.6	1.7	184	3.3	3.8	3.0	1.1	0.30	0.11	0.18	4.6
20	e1.1	e1.6	1.5	19	3.6	6.3	2.5	0.59	0.29	0.23	0.11	0.60
21	e1.1	e1.6	1.3	13	3.5	15	1.9	1.2	0.25	0.22	0.13	0.42
22	e1.5	e1.5	1.3	3.7	3.4	4.2	1.9	0.92	0.14	1.0	0.11	0.39
23	e1.3	e1.9	1.6	127	3.4	3.3	1.7	0.70	0.41	3.5	0.11	0.49
24	e1.2	8.6	14	12	3.5	3.3	1.8	0.62	0.32	12	0.08	0.55
25	e4.1	2.6	1.6	30	3.4	3.1	2.2	0.60	0.19	4.1	0.08	0.68
26	e1.6	1.8	1.6	5.2	3.6	8.7	1.9	0.58	11	24	0.01	44
27	e1.4	1.7	1.6	3.8	4.6	10	1.9	0.62	17	8.5	0.43	7.3
28	e1.3	1.4	2.4	3.4	3.6	3.1	2.0	0.63	2.3	1.7	51	2.3
29	e1.2	1.4	3.0	3.1	---	2.9	1.9	0.74	0.21	0.26	4.0	0.72
30	e1.2	2.4	3.5	3.1	---	3.0	1.8	3.0	0.09	0.11	72	0.63
31	e1.1	---	3.5	3.1	---	17	---	1.1	---	0.09	144	---
TOTAL	123.0	62.8	216.6	548.6	178.5	269.6	91.7	108.63	104.62	158.34	278.57	329.73
MEAN	3.968	2.093	6.987	17.70	6.375	8.697	3.057	3.504	3.487	5.108	8.986	10.99
MAX	74	8.6	71	184	57	65	10	26	46	47	144	182
MIN	1.1	1.2	1.3	2.4	3.2	2.8	1.7	0.58	0.09	0.05	0.00	0.35
CFSM	0.42	0.22	0.73	1.85	0.67	0.91	0.32	0.37	0.37	0.53	0.94	1.15
IN.	0.48	0.24	0.84	2.14	0.70	1.05	0.36	0.42	0.41	0.62	1.09	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	1999	2000	2001	2002
MEAN	4.285	4.320	6.256	13.68
MAX	6.22	5.52	6.99	17.7
(WY)	2000	2001	2002	2002
MIN	2.67	2.09	5.02	10.8
(WY)	2001	2002	2001	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1999 - 2002

ANNUAL TOTAL	4100.01	2470.69	
ANNUAL MEAN	11.23	6.769	10.97
HIGHEST ANNUAL MEAN			14.9
LOWEST ANNUAL MEAN			6.77
HIGHEST DAILY MEAN	206	Jul 4	184
LOWEST DAILY MEAN	0.78	Sep 28	0.00
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 26	0.01
MAXIMUM PEAK FLOW			NOT DETERMINED
MAXIMUM PEAK STAGE			7.79
INSTANTANEOUS LOW FLOW			0.00*
ANNUAL RUNOFF (CFSM)	1.18		0.71
ANNUAL RUNOFF (INCHES)	15.97		9.62
10 PERCENT EXCEEDS	25		12
50 PERCENT EXCEEDS	3.6		1.9
90 PERCENT EXCEEDS	1.3		0.20

e Estimated.  
\* See REMARKS.

02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC--Continued

