

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 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred Sep. 28.

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	3.5	1.9	3.3	3.6	4.1	4.7	109	3.6	52	11	5.6	9.4
2	3.4	2.0	3.2	3.7	4.2	4.6	18	3.3	8.0	5.8	3.1	5.0
3	3.4	1.9	3.3	3.3	4.0	9.2	25	3.1	4.2	2.8	2.4	1.5
4	3.4	2.0	3.4	3.5	3.7	60	9.3	3.3	4.2	e206	2.3	13
5	3.3	2.1	3.4	3.5	3.9	21	7.1	3.3	5.0	20	2.2	2.0
6	3.3	2.2	3.4	3.4	3.7	7.0	6.5	2.9	17	4.5	2.1	1.7
7	3.0	3.3	3.5	3.4	3.8	5.4	6.0	2.8	6.6	3.6	2.0	1.2
8	2.9	3.0	3.6	17	3.7	4.9	5.6	2.8	3.7	24	1.8	1.3
9	2.8	13	3.5	4.0	3.9	4.7	5.3	2.9	3.6	5.5	1.8	1.2
10	2.7	3.1	3.5	3.2	8.4	4.5	5.1	8.3	3.2	55	3.3	2.8
11	2.7	1.5	3.6	3.2	3.8	4.4	5.0	3.3	3.2	4.0	54	1.8
12	2.9	1.6	3.9	3.3	11	6.9	4.8	20	3.3	3.1	8.1	1.1
13	2.6	1.8	3.9	3.3	8.3	10	8.3	5.6	59	4.0	4.1	1.1
14	2.6	28	7.2	3.1	9.8	5.0	4.7	3.0	9.0	3.1	2.5	1.3
15	2.4	2.0	3.5	3.5	10	53	4.9	2.9	3.6	2.7	1.8	1.4
16	2.5	1.7	22	3.2	e41	10	4.6	44	3.1	2.7	1.7	1.2
17	2.7	2.5	22	3.1	e166	6.4	5.3	16	2.8	3.1	5.8	1.3
18	2.6	1.9	4.7	31	9.5	5.4	4.4	3.9	2.6	63	9.7	1.3
19	2.3	6.1	8.3	82	6.2	5.0	4.2	3.2	2.6	6.9	4.2	1.4
20	2.2	3.2	4.7	73	5.4	60	4.3	6.3	2.7	3.1	1.7	25
21	2.3	1.7	3.5	9.6	5.0	72	4.4	30	3.0	2.7	1.4	4.9
22	2.4	2.1	3.4	5.6	13	17	4.2	7.5	55	2.5	1.2	1.1
23	2.5	2.0	3.3	4.9	8.2	8.1	4.4	5.1	14	2.4	1.3	1.1
24	2.6	2.1	3.5	4.5	5.4	6.6	12	2.9	3.2	2.6	47	90
25	2.4	50	3.4	4.2	36	6.2	46	7.0	6.6	22	2.0	7.9
26	2.6	8.7	3.3	4.2	7.7	5.9	4.7	e135	e12	117	1.5	1.0
27	2.4	4.1	3.5	4.4	5.2	5.5	3.8	5.8	e48	168	1.4	.80
28	2.3	3.5	3.7	4.5	5.0	5.4	3.6	8.7	4.0	5.8	1.4	.78
29	1.9	3.3	3.5	4.6	---	e199	3.3	4.6	3.4	21	1.4	.83
30	1.9	3.4	3.4	26	---	33	3.4	3.8	2.8	13	2.2	1.2
31	2.2	---	3.3	4.9	---	101	---	3.6	---	3.3	3.3	---
TOTAL	82.7	165.7	155.7	334.7	399.9	751.8	337.2	358.5	351.4	794.2	184.3	185.61
MEAN	2.67	5.52	5.02	10.8	14.3	24.3	11.2	11.6	11.7	25.6	5.95	6.19
MAX	3.5	50	22	82	166	199	109	135	59	206	54	90
MIN	1.9	1.5	3.2	3.1	3.7	4.4	3.3	2.8	2.6	2.4	1.2	.78
CFSM	.28	.58	.53	1.13	1.50	2.54	1.18	1.21	1.23	2.68	.62	.65
IN.	.32	.65	.61	1.30	1.56	2.93	1.31	1.40	1.37	3.09	.72	.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	4.44	5.43	5.89	11.7	13.7	17.8	14.9	9.40	15.2	15.2	11.2	27.0
MEAN	4.44	5.43	5.89	11.7	13.7	17.8	14.9	9.40	15.2	15.2	11.2	27.0
MAX	6.22	5.52	6.76	12.6	14.3	24.3	18.6	11.6	26.6	25.6	15.6	46.4
(WY)	2000	2001	2000	2000	2001	2001	2000	2001	2000	2001	2000	2000
MIN	2.67	5.34	5.02	10.8	13.1	11.3	11.2	7.23	7.37	9.70	5.95	6.19
(WY)	2001	2000	2001	2001	2000	2000	2001	2000	1999	1999	2001	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1999 - 2001

ANNUAL TOTAL	5296.2		4101.71			
ANNUAL MEAN	14.5		11.2		13.1	
HIGHEST ANNUAL MEAN					14.9	
LOWEST ANNUAL MEAN					11.2	
HIGHEST DAILY MEAN	371	Sep 15	206	Jul 4	371	Sep 15 2000
LOWEST DAILY MEAN	1.3	Aug 26	.78	Sep 28	.58	Aug 12 1999
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 20	1.2	Sep 12	.97	Aug 2 1999
MAXIMUM PEAK STAGE			11.71	Jul 4	13.00	Sep 15 2000
INSTANTANEOUS LOW FLOW			.70*	Sep 27	.50	Aug 12 1999
ANNUAL RUNOFF (CFSM)	1.52		1.18		1.37	
ANNUAL RUNOFF (INCHES)	20.63		15.98		18.60	
10 PERCENT EXCEEDS	35		23		34	
50 PERCENT EXCEEDS	3.6		3.7		3.5	
90 PERCENT EXCEEDS	2.0		1.8		1.5	

e Estimated.
* See REMARKS.

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

