

02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC

LOCATION.--Lat 36°04'45", long 79°48'46", 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 NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred on Aug. 11, 12, 2002. Minimum discharge for the current water year also occurred on Aug. 23, 25, Sept. 2, 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.4	3.1	3.2	3.1	5.9	15	8.6	2.3	4.9	2.7	1.4
2	2.9	2.5	2.8	3.3	2.8	9.2	3.3	22	2.0	15	7.7	1.4
3	2.7	2.7	2.7	3.4	90	5.7	2.9	14	2.2	7.9	10	1.5
4	2.9	2.9	12	3.6	7.4	4.7	2.8	3.9	e90	11	2.6	1.6
5	2.8	3.2	11	7.5	5.1	4.6	2.6	3.1	4.5	5.8	2.4	1.7
6	2.6	22	3.9	3.8	71	23	2.6	2.9	2.5	3.4	2.3	20
7	2.6	5.5	3.3	2.8	17	5.1	2.6	2.9	2.3	3.8	2.2	14
8	3.2	2.6	3.0	2.7	6.0	4.4	2.7	2.7	e103	7.7	2.3	e400
9	59	e2.4	3.0	7.3	4.8	5.2	2.6	2.7	8.7	4.1	1.7	15
10	6.0	2.2	93	3.5	4.6	5.5	2.5	2.8	3.6	17	1.7	12
11	23	e2.1	12	2.9	4.2	4.0	3.3	2.7	2.9	7.5	3.3	8.9
12	3.3	e1.9	4.1	3.1	14	4.0	83	2.6	2.8	3.8	6.5	7.5
13	2.8	e1.9	6.1	2.9	5.0	3.8	91	5.8	3.4	2.3	7.6	6.9
14	4.7	e2.0	120	2.7	4.4	3.7	13	3.1	3.6	3.6	63	3.4
15	5.6	e2.2	13	2.9	15	7.2	5.6	2.6	4.2	1.5	15	3.0
16	2.9	e2.1	6.8	2.8	18	34	4.5	8.4	9.0	1.3	3.7	2.7
17	2.9	e2.4	34	2.7	6.5	7.8	4.0	2.6	5.1	e60	2.3	e120
18	2.9	e2.3	6.7	8.3	6.9	7.8	3.7	9.5	3.0	e215	2.7	27
19	2.9	68	4.8	2.7	5.7	4.8	3.6	7.3	e92	13	2.1	5.4
20	3.7	7.1	4.1	2.3	5.1	4.1	3.6	3.6	7.3	9.6	1.8	3.9
21	2.6	3.5	3.7	2.5	5.0	4.2	3.5	2.1	3.3	7.3	2.4	5.8
22	2.8	3.2	3.7	2.5	4.3	3.9	3.3	34	5.2	10	1.8	3.3
23	2.7	3.3	3.5	2.4	4.2	3.8	3.3	13	5.8	7.6	1.6	2.6
24	2.7	4.6	4.8	2.4	4.4	3.9	3.2	5.7	5.8	2.5	1.5	2.3
25	2.7	4.4	3.3	3.3	4.3	4.0	3.3	2.1	6.3	2.4	1.4	2.3
26	12	3.0	3.0	3.7	5.0	4.0	19	2.3	54	2.6	1.5	2.2
27	14	3.1	3.0	3.8	19	4.0	4.8	3.9	17	35	2.6	65
28	14	16	3.1	8.1	15	4.1	2.9	2.1	7.0	66	4.5	e300
29	34	5.2	3.2	9.1	7.9	3.7	2.8	2.3	4.8	19	3.8	13
30	3.0	3.2	6.1	10	---	5.6	3.0	13	11	5.1	24	6.3
31	2.6	---	3.2	4.7	---	16	---	2.5	---	2.9	1.9	---
TOTAL	235.4	189.9	390.0	126.9	365.7	211.7	304.0	196.8	474.6	558.6	190.6	1,060.1
MEAN	7.59	6.33	12.6	4.09	12.6	6.83	10.1	6.35	15.8	18.0	6.15	35.3
MAX	59	68	120	10	90	34	91	34	103	215	63	400
MIN	2.6	1.9	2.7	2.3	2.8	3.7	2.5	2.1	2.0	1.3	1.4	1.4
CFSM	0.80	0.66	1.32	0.43	1.32	0.72	1.06	0.66	1.66	1.89	0.64	3.70
IN.	0.92	0.74	1.52	0.49	1.42	0.82	1.18	0.77	1.85	2.18	0.74	4.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	10.7	8.70	11.9	11.6	13.8	17.7	16.8	11.6	15.3	14.4	11.1	26.9
MAX	33.2	24.2	28.3	17.7	22.8	37.2	41.1	29.6	27.0	25.6	17.8	46.4
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2000)
MIN	2.67	2.09	5.02	4.09	6.37	6.83	3.06	3.50	3.49	5.11	5.95	6.19
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	8,084.1		4,304.3		14.4	
ANNUAL MEAN	22.1		11.8		27.1	
HIGHEST ANNUAL MEAN					6.77	2003
LOWEST ANNUAL MEAN					0.01	2002
HIGHEST DAILY MEAN	500	Apr 10	400	Sep 8	500	Apr 10, 2003
LOWEST DAILY MEAN	1.4	Sep 17	1.3	Jul 16	0.00	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 11	1.7	Aug 20	0.01	Aug 8, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			12.00	Jul 17	14.07	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.2*	Aug 22	0.00*	Aug 10, 2002
ANNUAL RUNOFF (CFSM)	2.32		1.23		1.50	
ANNUAL RUNOFF (INCHES)	31.49		16.77		20.43	
10 PERCENT EXCEEDS	48		17		30	
50 PERCENT EXCEEDS	5.3		3.8		3.6	
90 PERCENT EXCEEDS	2.5		2.3		1.5	

* See REMARKS.

e Estimated.

