

## 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 upstream from Southern Railway bridge.

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 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 Sept. 19, 23, 29, 30.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	2.7	13	3.4	3.9	12	8.1	50	3.5	1.5	4.5	1.2
2	2.9	2.8	3.8	3.3	3.6	6.5	23	3.5	49	1.4	1.9	1.2
3	2.4	3.2	3.5	3.2	62	5.7	9.2	3.0	32	3.0	1.7	1.4
4	2.8	49	3.4	3.3	9.0	5.2	8.1	3.0	3.7	53	1.6	1.1
5	2.7	3.7	3.1	3.5	5.2	5.2	6.9	3.2	2.6	5.2	1.5	1.3
6	2.8	2.6	3.3	3.9	4.3	5.2	6.6	18	2.3	1.9	1.4	1.2
7	3.0	2.7	8.7	4.0	4.1	5.2	26	3.3	17	41	1.3	1.7
8	e2.9	2.8	3.2	4.3	3.9	30	60	3.1	31	6.3	3.0	1.6
9	e2.7	2.7	30	3.9	3.7	5.8	14	2.9	56	2.3	72	1.5
10	e2.5	2.6	e369	4.1	12	5.6	6.6	3.1	7.7	1.8	2.8	1.5
11	e2.5	2.7	31	4.1	3.6	6.4	4.9	3.0	2.9	2.2	1.8	1.7
12	e2.9	151	13	4.0	3.5	4.9	5.1	3.1	2.2	3.2	1.5	1.6
13	28	11	10	5.6	3.7	4.5	18	4.1	2.8	e77	12	1.6
14	3.5	3.9	9.4	e220	16	8.3	11	2.9	2.7	56	3.9	2.0
15	2.9	3.3	8.9	7.7	4.5	4.2	4.8	4.2	2.0	6.4	1.5	1.9
16	3.1	3.1	8.6	5.1	3.8	39	4.4	2.9	2.0	4.2	3.9	5.7
17	3.2	3.0	6.5	4.3	3.6	46	4.1	2.6	1.8	3.2	5.0	2.1
18	3.4	2.9	3.8	3.9	3.5	10	4.0	2.7	1.8	3.1	2.1	0.87
19	9.0	3.2	3.7	4.2	4.2	6.5	4.0	9.5	1.8	4.6	2.1	0.78
20	3.9	2.9	3.8	3.9	5.0	6.1	3.7	11	1.8	8.7	53	1.5
21	2.8	2.9	3.7	5.8	5.5	5.6	3.4	6.2	1.8	3.4	4.8	2.9
22	2.7	3.0	4.0	4.0	4.3	11	5.0	2.5	1.7	2.0	1.8	1.1
23	2.7	78	34	3.8	4.1	36	5.1	4.7	1.7	1.9	14	0.90
24	6.8	29	5.0	3.4	32	11	3.3	12	1.7	1.4	2.3	0.94
25	2.7	32	4.1	3.9	4.6	6.5	3.3	3.3	1.7	1.4	1.7	2.3
26	2.4	5.0	3.6	4.0	3.6	6.0	3.4	2.4	1.8	1.4	1.4	7.1
27	2.6	38	3.4	4.0	4.2	6.9	3.6	2.3	16	1.4	1.4	1.2
28	3.8	26	3.3	5.8	117	e248	3.5	2.2	21	33	1.5	0.92
29	3.5	5.1	3.6	8.3	---	17	10	2.1	2.3	74	1.6	0.82
30	3.0	4.3	3.6	34	---	8.4	3.6	2.1	1.8	35	1.5	1.2
31	2.7	---	3.5	5.5	---	7.1	---	2.3	---	6.4	2.5	---
TOTAL	128.6	485.1	611.5	382.2	338.4	585.8	276.7	181.2	278.1	447.3	213.0	52.83
MEAN	4.15	16.2	19.7	12.3	12.1	18.9	9.22	5.85	9.27	14.4	6.87	1.76
MAX	28	151	369	220	117	248	60	50	56	77	72	7.1
MIN	2.4	2.6	3.1	3.2	3.5	4.2	3.3	2.1	1.7	1.4	1.3	0.78
CFSM	0.43	1.69	2.07	1.29	1.27	1.98	0.97	0.61	0.97	1.51	0.72	0.18
IN.	0.50	1.89	2.38	1.49	1.32	2.28	1.08	0.71	1.08	1.74	0.83	0.21

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	9.64	9.95	13.2	11.7	13.5	17.9	15.5	10.7	14.5	14.4	10.5	23.3
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	1.76
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	4,714.2		3,980.73		13.8	
ANNUAL MEAN	12.9		10.9		27.1	
HIGHEST ANNUAL MEAN					6.77	2003
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	400	Sep 8	369	Dec 10	500	Apr 10, 2003
LOWEST DAILY MEAN	1.3	Jul 16	0.78	Sep 19	0.01	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 20	1.3	Sep 18	0.01	Aug 8, 2002
MAXIMUM PEAK STAGE			11.16	Dec 10	14.07	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.70*	Sep 18	0.00*	Aug 10, 2002
ANNUAL RUNOFF (CFSM)	1.35		1.14		1.44	
ANNUAL RUNOFF (INCHES)	18.36		15.51		19.61	
10 PERCENT EXCEEDS	19		27		30	
50 PERCENT EXCEEDS	3.8		3.7		3.6	
90 PERCENT EXCEEDS	2.4		1.6		1.5	

\* See REMARKS.  
e Estimated.

