

02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC

LOCATION.--Lat 36°05'52", long 79°46'57", Guilford County, Hydrologic Unit 03030002, on right bank at upstream side of Church Street, and .1 mi upstream of Southern Railway bridge in Greensboro.

DRAINAGE AREA.--14.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.

REVISED RECORDS.--WDR NC-98-1, WDR NC-99-1B, WDR NC-00-1B, WDR-01-1B: maximum discharges only.

GAGE.--Water-stage recorder. Datum of gage is 738.52 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Minimum discharge for period of record also occurred Aug. 2, 2002. Minimum discharge for current water year also occurred several days in Aug. and Sept.

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	6.9	4.3	4.1	5.9	6.5	11	34	13	4.7	7.1	2.6	2.3
2	7.1	4.3	4.1	6.0	6.0	17	8.0	39	4.0	16	39	2.5
3	6.5	4.2	3.9	6.1	126	11	7.0	28	4.1	11	29	2.4
4	6.2	4.2	15	5.9	15	9.6	6.3	8.6	127	14	3.8	2.4
5	6.0	4.3	16	13	11	9.3	6.1	6.7	8.9	9.5	2.9	2.3
6	5.4	24	4.7	7.9	99	39	6.2	6.3	5.9	4.9	2.5	35
7	4.9	8.8	4.0	5.7	34	11	6.3	6.0	5.6	4.8	2.4	22
8	5.4	4.8	4.3	5.8	12	9.7	6.0	6.2	135	8.0	2.7	779
9	75	4.1	4.1	12	10	9.9	6.0	6.4	14	6.0	2.1	21
10	10	4.3	114	6.9	9.3	11	5.6	6.2	5.0	18	2.4	12
11	35	4.3	25	5.7	8.8	7.1	5.8	5.8	4.4	10	17	8.8
12	5.5	3.6	9.6	6.6	26	7.2	122	5.8	4.5	5.8	19	7.7
13	4.4	3.7	10	6.1	10	7.4	111	8.3	4.1	4.2	23	6.8
14	7.4	4.1	162	6.0	9.0	6.9	23	6.8	4.3	6.3	99	4.4
15	11	4.6	21	6.1	29	11	9.7	5.8	4.8	4.0	24	3.9
16	4.2	4.0	13	5.7	33	50	8.4	20	8.2	3.7	6.6	3.8
17	4.4	4.0	50	5.4	13	13	7.4	6.2	9.8	114	4.2	234
18	4.7	5.7	12	14	13	12	7.1	26	4.9	361	3.9	54
19	4.5	91	9.6	6.1	12	7.8	7.4	12	125	12	3.4	10
20	5.3	9.8	8.1	5.8	11	7.2	6.5	8.1	12	9.2	3.1	6.9
21	5.3	4.7	7.8	5.6	10	7.6	6.6	5.2	5.2	6.9	5.3	7.6
22	4.1	4.1	8.2	5.5	9.1	6.8	6.2	47	8.2	13	3.9	6.5
23	3.6	4.4	8.0	5.4	9.5	6.7	6.2	24	6.4	14	2.8	5.1
24	4.0	5.2	11	5.2	9.8	6.8	6.0	11	6.8	3.2	2.5	5.1
25	3.8	5.9	7.2	5.5	9.3	6.6	6.4	5.1	6.3	3.4	2.1	4.6
26	21	4.2	6.7	7.1	8.9	6.7	31	5.8	68	3.3	2.3	4.6
27	22	4.2	6.8	7.1	34	6.4	8.6	7.8	23	47	2.3	81
28	24	28	7.5	13	25	7.2	5.9	4.7	8.7	91	4.0	543
29	56	6.5	7.4	15	14	6.9	5.5	4.9	6.3	33	4.1	23
30	5.3	4.6	12	16	---	8.8	5.5	23	32	6.5	47	12
31	4.5	---	6.3	8.8	---	27	---	5.0	---	3.3	3.3	---
TOTAL	373.4	273.9	583.4	236.9	623.2	365.6	487.7	374.7	667.1	854.1	372.2	1,913.7
MEAN	12.0	9.13	18.8	7.64	21.5	11.8	16.3	12.1	22.2	27.6	12.0	63.8
MAX	75	91	162	16	126	50	122	47	135	361	99	779
MIN	3.6	3.6	3.9	5.2	6.0	6.4	5.5	4.7	4.0	3.2	2.1	2.3
CFSM	0.85	0.64	1.33	0.54	1.51	0.83	1.14	0.85	1.57	1.94	0.85	4.49
IN.	0.98	0.72	1.53	0.62	1.63	0.96	1.28	0.98	1.75	2.24	0.98	5.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	16.4	13.2	17.7	20.2	21.6	27.5	26.3	18.8	22.4	23.7	17.9	35.5
MAX	52.1	34.7	33.8	29.4	38.2	67.5	65.5	47.6	40.3	36.8	37.0	63.8
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2004)
MIN	4.71	3.99	10.1	7.64	10.3	11.8	6.20	10.5	9.73	12.9	11.2	8.72
(WY)	(1999)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(1999)	(2002)	(2002)	(2001)	(1998)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	13,418.9		7,125.9		22.2	
ANNUAL MEAN	36.8		19.5		13.3	
HIGHEST ANNUAL MEAN					43.5	2003
LOWEST ANNUAL MEAN					13.3	2002
HIGHEST DAILY MEAN	850	Sep 23	779	Sep 8	850	Sep 23, 2003
LOWEST DAILY MEAN	3.6	Oct 23	2.1	Aug 9	1.4	Aug 2, 2002
ANNUAL SEVEN-DAY MINIMUM	4.0	Nov 11	2.7	Aug 4	1.9	Aug 1, 2002
MAXIMUM PEAK FLOW			2,370	Sep 8	NOT DETERMINED	
MAXIMUM PEAK STAGE			15.10	Sep 8	17.81	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.8*	Aug 9	1.2	Oct 17, 1998
ANNUAL RUNOFF (CFSM)	2.59		1.37		1.56	
ANNUAL RUNOFF (INCHES)	35.15		18.67		21.25	
10 PERCENT EXCEEDS	81		33		48	
50 PERCENT EXCEEDS	11		6.8		7.8	
90 PERCENT EXCEEDS	4.7		4.0		3.8	

* See REMARKS.

