

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 mi<sup>2</sup>.

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.--Records poor. Minimum discharge for period of record also occurred Aug. 2, 2002. Minimum discharge for current water year also occurred Oct. 7, July 12.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	8.8	6.2	134	14	85	13	16	18	6.6	43	22
2	6.4	7.5	6.0	15	11	149	12	8.6	8.8	187	8.1	8.6
3	6.3	7.1	6.3	61	9.8	24	11	8.4	113	23	38	30
4	5.4	9.1	6.4	15	45	14	9.9	11	93	6.8	90	299
5	5.5	60	128	14	11	21	34	25	24	5.6	75	27
6	5.9	83	33	12	11	190	10	41	11	37	29	11
7	5.6	12	16	11	95	26	310	8.7	534	35	8.2	9.2
8	5.6	8.6	16	10	16	17	75	7.1	80	6.1	40	9.5
9	5.8	7.5	16	9.9	9.3	14	265	6.8	43	14	41	8.6
10	7.7	7.4	14	9.6	12	12	754	6.8	14	7.1	28	8.0
11	592	30	190	8.8	8.2	9.7	93	6.5	11	5.0	41	7.5
12	24	284	17	8.6	7.5	10	28	6.6	16	7.7	30	7.5
13	216	25	162	9.0	6.7	45	17	5.8	9.2	98	41	7.5
14	37	13	19	8.4	7.7	20	13	5.3	7.9	39	15	7.3
15	31	9.7	13	8.3	11	30	12	245	7.6	19	7.6	7.7
16	282	190	10	7.9	12	201	12	27	48	9.1	9.1	6.9
17	17	168	7.9	10	9.5	25	10	18	18	7.2	153	6.7
18	7.8	20	7.2	8.4	61	34	37	59	9.5	24	68	248
19	6.5	11	7.0	8.6	22	17	39	68	18	13	11	53
20	6.2	9.3	67	8.1	14	813	12	9.9	14	6.1	9.0	9.4
21	14	8.9	13	7.7	11	50	12	47	6.8	6.0	8.4	7.8
22	17	8.2	9.9	7.5	294	20	10	300	6.5	54	7.8	46
23	6.2	7.2	9.0	8.9	44	15	8.7	82	6.3	28	13	e850
24	5.2	7.0	129	9.3	13	13	8.3	19	6.4	10	22	18
25	7.3	6.9	76	8.2	14	11	11	79	5.8	6.1	7.3	9.4
26	11	7.3	15	9.7	45	11	98	220	6.1	5.7	6.7	7.9
27	5.8	6.3	11	10	167	11	19	18	49	5.3	6.4	8.5
28	91	6.1	9.8	10	89	10	9.6	12	9.5	5.3	6.5	20
29	100	6.3	9.0	19	---	15	9.0	17	5.9	113	31	6.6
30	65	6.3	8.3	98	---	159	11	10	7.4	52	50	6.8
31	12	---	8.3	17	---	21	---	80	---	33	202	---
TOTAL	1,614.9	1,041.5	1,046.3	582.9	1,070.7	2,092.7	1,963.5	1,474.5	1,207.7	874.7	1,146.1	1,775.4
MEAN	52.1	34.7	33.8	18.8	38.2	67.5	65.5	47.6	40.3	28.2	37.0	59.2
MAX	592	284	190	134	294	813	754	300	534	187	202	850
MIN	5.2	6.1	6.0	7.5	6.7	9.7	8.3	5.3	5.8	5.0	6.4	6.6
CFSM	3.67	2.44	2.38	1.32	2.69	4.75	4.61	3.35	2.83	1.99	2.60	4.17
IN.	4.23	2.73	2.74	1.53	2.80	5.48	5.14	3.86	3.16	2.29	3.00	4.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	17.3	14.1	17.5	22.7	21.6	30.6	28.3	20.2	22.5	23.0	18.9	30.7
MAX	52.1	34.7	33.8	29.4	38.2	67.5	65.5	47.6	40.3	36.8	37.0	59.2
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)
MIN	4.71	3.99	10.1	17.1	10.3	13.6	6.20	10.5	9.73	12.9	11.2	8.72
(WY)	(1999)	(2002)	(2001)	(2000)	(2002)	(1999)	(2002)	(1999)	(2002)	(2002)	(2001)	(1998)

02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	7,820.0		15,890.9			
ANNUAL MEAN	21.4		43.5		22.8	
HIGHEST ANNUAL MEAN					43.5 2003	
LOWEST ANNUAL MEAN					13.3 2002	
HIGHEST DAILY MEAN	592	Oct 11	850	Sep 23	850	Sep 23, 2003
LOWEST DAILY MEAN	1.4	Aug 2	5.0	Jul 11	1.4	Aug 2, 2002
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 1	5.7	Oct 3	1.9	Aug 1, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			17.81	Sep 23	17.81	Sep 23, 2003
INSTANTANEOUS LOW FLOW			4.3*	Oct 5	1.2*	Oct 17, 1998
ANNUAL RUNOFF (CFSM)	1.51		3.07		1.60	
ANNUAL RUNOFF (INCHES)	20.49		41.63		21.77	
10 PERCENT EXCEEDS	41		98		52	
50 PERCENT EXCEEDS	6.7		12		8.0	
90 PERCENT EXCEEDS	4.0		6.4		3.7	

e Estimated.  
 \* See REMARKS.

