

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 from 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 Sept. 19.

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	11	4.5	21	6.7	8.1	17	10	63	4.6	3.6	6.7	2.1
2	7.5	4.6	7.3	6.4	7.2	9.5	33	5.7	74	3.5	4.1	2.0
3	7.2	5.6	6.3	6.2	8.8	8.2	12	4.8	57	4.9	3.5	2.1
4	6.1	65	6.0	6.2	15	7.7	9.9	4.4	7.1	89	3.2	2.2
5	5.6	8.3	5.6	6.6	9.6	7.9	8.6	4.5	5.6	11	3.1	2.0
6	5.5	6.1	5.8	6.7	8.3	7.8	8.4	25	5.2	4.7	2.9	1.8
7	5.7	6.1	13	6.8	8.4	7.6	31	4.4	35	55	2.6	2.0
8	5.4	5.9	5.9	7.5	7.6	44	73	4.5	33	14	3.2	2.1
9	5.2	5.8	45	6.5	7.2	8.6	22	4.4	52	4.8	119	2.2
10	5.0	5.6	443	5.9	19	7.7	8.8	4.4	17	4.4	5.5	2.2
11	5.2	6.6	48	7.0	7.2	9.4	7.1	4.2	6.2	4.4	3.5	2.1
12	5.5	189	17	6.7	6.5	7.5	7.5	3.8	5.1	5.9	3.1	2.0
13	46	20	14	9.6	6.3	7.0	22	5.0	5.8	105	21	2.6
14	7.1	7.6	12	235	24	12	19	4.3	6.1	81	6.9	2.7
15	5.6	6.9	12	14	8.6	6.4	7.2	6.1	4.3	10	3.0	2.7
16	5.1	6.1	11	9.5	6.4	63	6.7	4.4	4.2	8.0	3.7	12
17	4.8	6.3	9.9	8.5	5.9	74	6.4	4.3	4.3	5.7	8.0	4.2
18	5.5	6.1	7.2	8.0	5.6	15	6.2	4.0	4.2	4.4	3.2	2.2
19	12	6.5	7.4	8.1	6.0	9.9	5.9	19	4.1	7.1	3.7	1.7
20	7.6	6.1	6.4	7.3	6.7	8.9	5.6	18	4.3	19	102	2.6
21	5.4	5.8	6.3	12	7.7	8.8	5.4	11	4.3	5.1	8.6	4.0
22	5.2	5.2	7.1	8.2	6.0	15	6.6	4.3	3.9	7.2	3.6	2.5
23	5.3	124	51	7.0	5.8	60	8.4	6.7	4.1	4.4	20	2.3
24	11	45	8.8	7.3	54	17	5.2	20	4.7	3.0	3.9	2.3
25	5.6	60	7.1	7.9	9.0	8.8	5.1	5.8	4.1	3.0	2.8	3.0
26	5.6	9.1	6.4	8.7	7.5	8.4	4.5	3.7	3.3	3.1	2.7	17
27	5.3	41	6.0	6.7	7.5	8.8	4.8	3.8	27	2.9	2.6	2.8
28	6.2	53	5.9	8.9	158	260	4.5	3.5	26	26	2.6	2.5
29	5.8	9.1	6.3	11	---	25	13	3.5	5.1	126	2.8	2.2
30	5.2	8.0	6.5	54	---	13	5.4	3.7	4.2	33	2.8	2.7
31	4.7	---	6.6	11	---	10	---	3.9	---	8.2	3.3	---
TOTAL	233.9	738.9	821.8	521.9	517.1	773.9	373.2	268.1	425.8	667.3	367.6	96.8
MEAN	7.55	24.6	26.5	16.8	18.5	25.0	12.4	8.65	14.2	21.5	11.9	3.23
MAX	46	189	443	235	158	260	73	63	74	126	119	17
MIN	4.7	4.5	5.6	5.9	5.6	6.4	4.5	3.5	3.3	2.9	2.6	1.7
CFSM	0.53	1.73	1.87	1.19	1.30	1.76	0.88	0.61	1.00	1.52	0.84	0.23
IN.	0.61	1.94	2.15	1.37	1.35	2.03	0.98	0.70	1.12	1.75	0.96	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	15.1	14.9	19.0	19.7	21.2	27.1	24.3	17.4	21.2	23.4	17.2	31.4
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	8.65	9.73	12.9	11.2	3.23
(WY)	(1999)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2005)	(2002)	(2002)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	7,689.8		5,806.3		21.3	
ANNUAL MEAN	21.0		15.9		13.3	
HIGHEST ANNUAL MEAN					43.5	2003
LOWEST ANNUAL MEAN					13.3	2002
HIGHEST DAILY MEAN	779	Sep 8	443	Dec 10	850	Sep 23, 2003
LOWEST DAILY MEAN	2.1	Aug 9	1.7	Sep 19	1.4	Aug 2, 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 4	2.0	Sep 1	1.9	Aug 1, 2002
MAXIMUM PEAK FLOW			1,990	Dec 10	NOT DETERMINED	
MAXIMUM PEAK STAGE			13.94	Dec 10	17.81	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.4*	Sep 11	1.2*	Oct 17, 1998
ANNUAL RUNOFF (CFSM)	1.48		1.12		1.50	
ANNUAL RUNOFF (INCHES)	20.15		15.21		20.39	
10 PERCENT EXCEEDS	36		33		47	
50 PERCENT EXCEEDS	6.9		6.4		7.5	
90 PERCENT EXCEEDS	4.2		3.0		3.7	

* See REMARKS.

