

02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°07'14", long 79°42'29", Guilford County, Hydrologic Unit 03030002, on left bank at downstream of bridge on Secondary Road 2832, 4.2 mi upstream from mouth, 5.8 mi northeast of post office in Greensboro.

DRAINAGE AREA.--37.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to October 1990, August 1998 to current year.

REVISED RECORDS.--WSP 1303: 1929, 1931-42, monthly and yearly runoff. WSP 1383: 1928(M), 1929, 1933-34(M), 1936(M), 1941(M), 1943(M), 1945(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 678.02 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Diurnal fluctuation at low flow caused by mills upstream from station. Diversions into basin from Greensboro and Proximity Mills enter upstream from the station. Maximum discharge for period of record, 9,140 ft³/s, from rating curve extended above 2,900 ft³/s on basis of contracted-opening measurements at gage heights 14.15 ft, 15.96 ft and 16.63 ft. Maximum gage height for period of record, from floodmarks. Minimum discharge for current water year also occurred on Sept. 6.

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	27	27	29	28	33	41	117	31	25	32	22	19
2	26	25	29	28	32	45	35	80	23	30	62	18
3	27	25	27	29	264	44	33	79	24	33	45	18
4	26	25	38	29	62	36	30	37	234	35	23	17
5	25	24	69	34	42	35	31	30	41	30	22	17
6	24	43	36	37	185	75	32	27	27	23	20	57
7	24	46	32	28	144	40	32	26	27	22	19	64
8	23	28	30	28	51	35	31	27	139	24	19	1,220
9	117	25	30	38	41	33	30	27	53	29	20	110
10	54	24	176	34	38	39	28	27	27	32	19	39
11	68	25	115	30	36	32	28	28	25	45	22	30
12	32	24	42	32	59	31	219	27	25	25	37	27
13	27	23	36	31	42	30	218	26	24	22	31	26
14	25	24	332	31	35	30	90	28	25	25	174	24
15	39	26	87	29	53	35	46	26	25	22	50	22
16	25	24	56	29	87	90	37	86	26	20	32	22
17	25	24	115	29	48	58	33	36	31	46	23	359
18	25	26	54	43	45	42	32	58	23	427	22	176
19	24	150	41	32	44	37	32	44	145	38	21	41
20	25	54	36	31	40	33	31	36	54	31	21	29
21	25	33	33	30	37	33	30	27	25	26	23	26
22	23	32	33	29	34	32	29	75	28	27	26	25
23	24	29	32	29	33	30	29	43	24	42	19	24
24	24	29	35	29	34	30	28	41	28	23	19	22
25	25	32	30	29	32	31	28	26	25	21	18	22
26	43	28	30	32	32	31	62	24	121	21	19	20
27	54	28	30	32	68	30	41	30	51	66	18	67
28	45	61	30	45	68	30	29	25	31	163	19	1,320
29	135	43	30	50	55	32	27	24	28	148	20	94
30	32	31	37	56	---	32	28	50	62	44	96	50
31	28	---	30	44	---	42	---	27	---	24	25	---
TOTAL	1,146	1,038	1,760	1,035	1,774	1,194	1,496	1,178	1,446	1,596	1,006	4,005
MEAN	37.0	34.6	56.8	33.4	61.2	38.5	49.9	38.0	48.2	51.5	32.5	134
MAX	135	150	332	56	264	90	219	86	234	427	174	1,320
MIN	23	23	27	28	32	30	27	24	23	20	18	17
CFSM	1.00	0.93	1.53	0.90	1.65	1.04	1.34	1.02	1.30	1.39	0.87	3.60
IN.	1.15	1.04	1.76	1.04	1.78	1.20	1.50	1.18	1.45	1.60	1.01	4.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, @ BY WATER YEAR (WY)

MEAN	43.5	43.2	56.5	70.5	82.6	79.7	66.9	53.2	51.1	51.6	43.7	51.7
MAX	154	120	129	205	185	231	206	177	192	231	112	247
(WY)	(1960)	(1986)	(1973)	(1978)	(1979)	(1975)	(1987)	(1978)	(1982)	(1984)	(1984)	(1979)
MIN	7.71	8.73	13.1	17.3	22.0	31.4	20.3	16.2	10.2	11.2	7.82	8.63
(WY)	(1931)	(1932)	(1934)	(1934)	(1931)	(1931)	(1942)	(1938)	(1933)	(1932)	(1932)	(1930)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004 [@]	
ANNUAL TOTAL	33,124		18,674		57.6	
ANNUAL MEAN	90.8		51.0		109	
HIGHEST ANNUAL MEAN					30.6	
LOWEST ANNUAL MEAN					1938	
HIGHEST DAILY MEAN	1,930	Mar 20	1,320	Sep 28	4,400	Sep 22, 1979
LOWEST DAILY MEAN	22	Sep 17	17	Sep 4	3.4	Aug 28, 1932
ANNUAL SEVEN-DAY MINIMUM	24	Oct 18	19	Aug 23	6.2	Aug 28, 1930
MAXIMUM PEAK FLOW			2,970	Sep 28	9140*	Sep 22, 1979
MAXIMUM PEAK STAGE			12.03	Sep 28	20.12*	Sep 22, 1979
INSTANTANEOUS LOW FLOW			14*	Aug 27	1.6	Aug 28, 1932
ANNUAL RUNOFF (CFSM)	2.45		1.38		1.55	
ANNUAL RUNOFF (INCHES)	33.21		18.72		21.10	
10 PERCENT EXCEEDS	174		75		100	
50 PERCENT EXCEEDS	42		31		31	
90 PERCENT EXCEEDS	25		23		16	

[@] See PERIOD OF RECORD.
^{*} See REMARKS.

