

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. 9, 25.

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	43	27	67	29	36	83	42	128	23	21	24	17
2	38	27	45	28	33	45	90	30	126	20	20	17
3	37	28	40	29	193	36	48	25	143	20	19	17
4	34	123	39	29	79	34	39	23	31	111	18	16
5	31	40	37	29	47	35	35	24	24	54	18	16
6	29	30	36	29	39	33	33	55	23	21	18	16
7	30	28	50	29	37	33	68	27	50	97	17	15
8	30	27	39	30	37	90	129	25	54	67	17	13
9	29	27	111	28	36	38	123	23	52	22	234	14
10	28	26	1,090	29	61	35	43	24	76	20	28	16
11	28	27	165	29	35	34	36	23	24	19	21	16
12	27	306	65	29	34	35	34	23	23	21	23	15
13	92	98	50	33	33	30	40	24	22	93	44	16
14	33	42	41	514	65	40	69	23	25	185	33	17
15	29	38	38	67	45	32	33	25	21	48	20	16
16	27	37	37	45	37	134	33	23	21	24	19	27
17	26	35	36	40	34	212	32	21	22	24	35	23
18	26	35	32	36	33	69	29	24	20	20	20	15
19	34	34	31	34	33	46	28	43	21	20	21	16
20	37	34	30	34	32	41	29	55	20	39	119	15
21	28	33	30	40	37	37	30	56	21	20	37	17
22	27	33	32	34	33	34	28	24	22	20	20	15
23	27	268	101	34	32	148	31	26	21	23	42	15
24	35	146	42	32	117	85	26	40	20	17	21	16
25	30	188	32	34	44	45	25	30	21	17	19	15
26	27	57	31	34	32	39	24	23	19	17	18	44
27	27	56	30	33	31	37	24	22	29	17	17	18
28	29	193	30	31	365	480	24	21	61	18	17	16
29	28	59	30	34	---	117	39	21	22	244	18	16
30	29	47	30	121	---	52	28	22	21	51	18	15
31	27	---	30	49	---	46	---	22	---	38	19	---
TOTAL	1,002	2,149	2,497	1,626	1,670	2,255	1,292	975	1,078	1,428	1,014	520
MEAN	32.3	71.6	80.5	52.5	59.6	72.7	43.1	31.5	35.9	46.1	32.7	17.3
MAX	92	306	1,090	514	365	480	129	128	143	244	234	44
MIN	26	26	30	28	31	30	24	21	19	17	17	13
CFSM	0.87	1.93	2.17	1.41	1.61	1.96	1.16	0.85	0.97	1.24	0.88	0.47
IN.	1.00	2.15	2.50	1.63	1.67	2.26	1.30	0.98	1.08	1.43	1.02	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, @ BY WATER YEAR (WY)

MEAN	43.3	43.6	56.8	70.3	82.2	79.6	66.6	52.9	50.8	51.5	43.5	51.2
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005 [@]	
ANNUAL TOTAL	20,378		17,506		57.5	
ANNUAL MEAN	55.7		48.0		30.6	
HIGHEST ANNUAL MEAN					109	2003
LOWEST ANNUAL MEAN					30.6	1938
HIGHEST DAILY MEAN	1,320	Sep 28	1,090	Dec 10	4,400	Sep 22, 1979
LOWEST DAILY MEAN	17	Sep 4	13	Sep 8	3.4	Aug 28, 1932
ANNUAL SEVEN-DAY MINIMUM	19	Aug 23	15	Sep 6	6.2	Aug 28, 1930
MAXIMUM PEAK FLOW			3,070	Dec 10	9,140*	Sep 22, 1979
MAXIMUM PEAK STAGE			12.21	Dec 10	20.12*	Sep 22, 1979
INSTANTANEOUS LOW FLOW			11*	Sep 8	1.6	Aug 28, 1932
ANNUAL RUNOFF (CFSM)	1.50		1.29		1.55	
ANNUAL RUNOFF (INCHES)	20.43		17.55		21.05	
10 PERCENT EXCEEDS	86		87		100	
50 PERCENT EXCEEDS	32		31		31	
90 PERCENT EXCEEDS	23		18		16	

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

