

02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°07'13", 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. Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. 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 Oct. 5, 6, 9.

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	20	44	33	360	54	161	51	40	68	30	135	88
2	19	38	33	100	46	321	42	32	38	336	29	35
3	20	34	33	219	44	86	40	33	168	96	54	29
4	19	38	33	83	124	60	39	35	221	37	172	424
5	19	93	295	58	51	63	67	50	85	29	115	86
6	19	246	146	51	41	305	40	86	44	34	77	38
7	20	54	94	47	251	82	621	36	915	109	30	32
8	19	40	81	46	81	58	153	33	267	32	53	33
9	18	38	79	44	49	50	642	31	131	45	49	27
10	21	34	66	40	52	46	1,520	30	52	37	74	26
11	1,230	71	448	38	44	42	300	29	42	25	73	26
12	111	582	141	36	40	40	94	29	74	25	96	25
13	282	129	423	38	38	67	61	26	47	176	75	25
14	146	56	163	37	37	92	52	26	37	185	51	24
15	65	44	75	37	44	46	45	246	47	72	28	25
16	547	338	60	36	45	524	42	124	145	42	26	24
17	86	493	51	41	39	105	39	37	70	31	178	22
18	46	114	45	36	137	87	59	105	44	57	315	327
19	37	61	45	35	82	59	98	153	62	75	40	210
20	33	50	224	37	61	1,930	42	44	49	33	30	38
21	43	47	67	36	48	180	42	82	33	27	28	30
22	49	43	50	35	453	85	42	559	30	76	54	35
23	35	40	45	37	151	63	36	243	28	86	33	1,790
24	30	38	321	36	62	56	35	76	27	32	53	70
25	33	38	314	36	49	50	37	172	25	24	26	41
26	42	37	85	37	78	43	141	516	26	24	24	34
27	32	38	60	38	328	41	70	78	82	24	23	31
28	204	34	51	37	238	38	41	53	56	23	23	45
29	256	32	47	59	---	44	38	51	28	105	71	28
30	194	35	44	270	---	316	34	47	30	118	73	27
31	62	---	42	82	---	85	---	134	---	38	410	---
TOTAL	3,757	2,979	3,694	2,122	2,767	5,225	4,563	3,236	2,971	2,083	2,518	3,695
MEAN	121	99.3	119	68.5	98.8	169	152	104	99.0	67.2	81.2	123
MAX	1,230	582	448	360	453	1,930	1,520	559	915	336	410	1,790
MIN	18	32	33	35	37	38	34	26	25	23	23	22
CFSM	3.27	2.68	3.21	1.85	2.66	4.54	4.10	2.81	2.67	1.81	2.19	3.32
IN.	3.77	2.99	3.70	2.13	2.77	5.24	4.58	3.24	2.98	2.09	2.52	3.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003,® BY WATER YEAR (WY)

MEAN	43.6	43.3	56.5	71.1	82.9	80.3	67.2	53.5	51.1	51.6	43.9	50.5
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)

02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003 [@]	
ANNUAL TOTAL	21,730		39,610		57.7	
ANNUAL MEAN	59.5		109		30.6	
HIGHEST ANNUAL MEAN					109	2003
LOWEST ANNUAL MEAN					30.6	1938
HIGHEST DAILY MEAN	1,230	Oct 11	1,930	Mar 20	4,400	Sep 22, 1979
LOWEST DAILY MEAN	15	Aug 24	18	Oct 9	3.4	Aug 28, 1932
ANNUAL SEVEN-DAY MINIMUM	16	Aug 1	19	Oct 3	6.2	Aug 28, 1930
MAXIMUM PEAK FLOW			4,240	Sep 23	9,140*	Sep 22, 1979
MAXIMUM PEAK STAGE			14.53	Sep 23	20.12*	Sep 22, 1979
INSTANTANEOUS LOW FLOW			14*	Oct 4	1.6	Aug 28, 1932
ANNUAL RUNOFF (CFSM)	1.60		2.93		1.56	
ANNUAL RUNOFF (INCHES)	21.79		39.72		21.14	
10 PERCENT EXCEEDS	112		248		100	
50 PERCENT EXCEEDS	27		47		31	
90 PERCENT EXCEEDS	18		27		16	

[@] See PERIOD OF RECORD.

* See REMARKS.

