02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°07'13", long 79°42'30", 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 mi^2.

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 sea level (levels by U. S. Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. 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 ft^3/s, from rating curve extended above 2,900 ft^3/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.

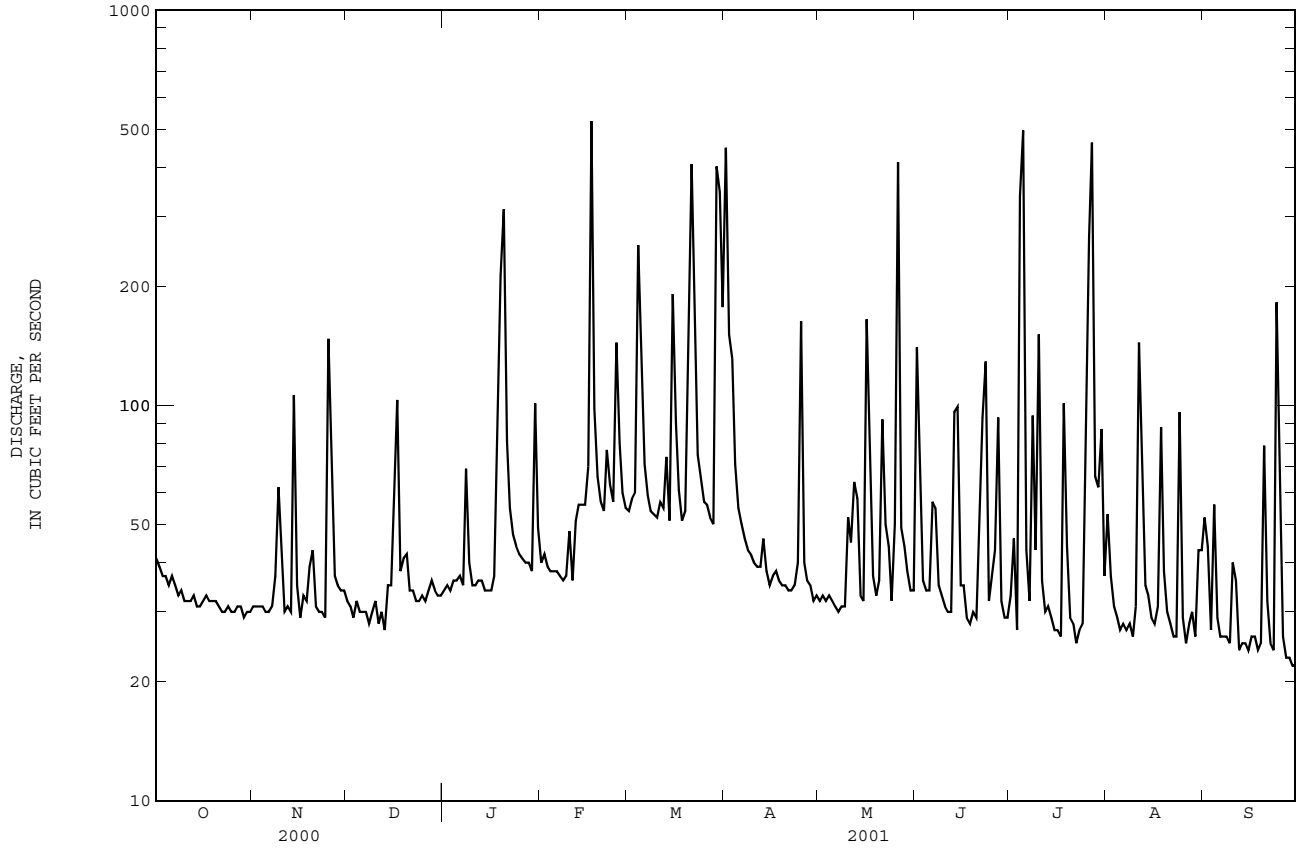
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	31	32	34	40	54	448	32	140	33	53	52
2	39	31	31	35	42	58	151	33	62	46	37	44
3	37	31	29	34	39	60	131	32	36	27	31	27
4	37	31	32	36	38	254	71	33	34	338	29	56
5	35	30	30	36	38	146	55	32	34	495	27	29
6	37	30	30	37	38	71	50	31	57	43	28	26
7	35	31	30	35	37	59	46	30	55	32	27	26
8	33	37	28	69	36	54	43	31	35	94	28	26
9	34	62	30	40	37	53	42	31	33	43	26	25
10	32	43	32	35	48	52	40	52	31	151	31	40
11	32	30	28	35	36	57	39	45	30	36	144	36
12	32	31	30	36	51	55	39	64	30	30	74	24
13	33	30	27	36	56	74	46	58	96	31	35	25
14	31	106	35	34	56	51	38	33	99	29	33	25
15	31	35	35	34	56	191	35	32	35	27	29	24
16	32	29	58	34	70	90	37	165	35	27	28	26
17	33	33	103	37	523	61	38	78	29	26	31	26
18	32	32	38	103	98	51	36	37	28	101	88	24
19	32	39	41	213	66	54	35	33	30	44	38	25
20	32	43	42	313	57	145	35	36	29	29	30	79
21	31	31	34	81	54	407	34	92	44	28	28	32
22	30	30	34	55	77	143	34	50	93	25	26	25
23	30	30	32	47	63	75	35	44	129	27	26	24
24	31	29	32	44	57	65	40	32	32	28	96	182
25	30	147	33	42	144	57	163	50	37	60	29	77
26	30	67	32	41	80	56	40	412	43	266	25	26
27	31	37	34	40	60	52	36	49	93	461	28	23
28	31	35	36	40	55	50	35	44	32	66	30	23
29	29	34	34	38	---	402	32	38	29	62	26	22
30	30	34	33	101	---	346	33	34	29	87	43	22
31	30	---	33	49	---	177	---	34	---	37	43	---
TOTAL	1013	1239	1108	1844	2052	3520	1937	1797	1519	2829	1247	1121
MEAN	32.7	41.3	35.7	59.5	73.3	114	64.6	58.0	50.6	91.3	40.2	37.4
MAX	41	147	103	313	523	407	448	412	140	495	144	182
MIN	29	29	27	34	36	50	32	30	28	25	25	22
CFSM	.88	1.11	.96	1.60	1.98	3.06	1.74	1.56	1.36	2.46	1.08	1.01
IN.	1.02	1.24	1.11	1.85	2.06	3.53	1.94	1.80	1.52	2.84	1.25	1.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001,@ BY WATER YEAR (WY)

MEAN	42.6	42.8	55.8	71.2	83.4	79.5	66.5	53.1	50.7	51.7	43.4	49.1
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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1928 - 2001@	
ANNUAL TOTAL	25785		21226			
ANNUAL MEAN	70.5		58.2		57.2	
HIGHEST ANNUAL MEAN					106	1984
LOWEST ANNUAL MEAN					30.6	1938
HIGHEST DAILY MEAN	912	Jun 19	523	Feb 17	4400	Sep 22 1979
LOWEST DAILY MEAN	27	Jan 7	22	Sep 29	3.4	Aug 28 1932
ANNUAL SEVEN-DAY MINIMUM	29	Dec 7	25	Sep 12	6.2	Aug 28 1930
MAXIMUM PEAK FLOW			2500	Jul 4	9140*	Sep 22 1979
MAXIMUM PEAK STAGE			11.75	Jul 4	20.12*	Sep 22 1979
INSTANTANEOUS LOW FLOW			15	Sep 30	1.6	Aug 28 1932
ANNUAL RUNOFF (CFSM)	1.90		1.57		1.54	
ANNUAL RUNOFF (INCHES)	25.85		21.28		20.96	
10 PERCENT EXCEEDS	149		97		100	
50 PERCENT EXCEEDS	40		36		31	
90 PERCENT EXCEEDS	30		28		16	

@ See PERIOD OF RECORD.
* See REMARKS.

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