

02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°03'36", long 79°43'33", Guilford County, Hydrologic Unit 03030002, on left bank at upstream side of bridge on Secondary Road 3000, 3.8 mi east of Greensboro, 4.0 mi downstream from Run Creek.

DRAINAGE AREA.--34.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958. August 1998 to current year. Prior to October 1952, published as "Buffalo Creek near Greensboro".

REVISIONS.--WSP 972: 1928-30, 1932-33, 1934(M), 1935-37, 1939, 1940(M). WSP 1303: 1934, 1938, 1940-42, monthly and yearly runoff. WSP 1383: Drainage area, 1931, 1941(M).

GAGE.--Water-stage recorder. Elevation of gage is 700 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum discharge 10,000 ft³/s July 15, 1949, gage-height 11.54 ft, from rating curve extended above 2,000 ft³/s based on contracted-opening measurement, site and datum then in use.

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	12	9.5	8.9	14	14	29	191	21	18	32	13	6.9
2	11	8.9	8.1	13	12	31	24	64	15	10	71	5.7
3	10	9.0	7.8	13	409	29	18	68	17	13	47	5.0
4	e11	9.0	14	13	43	19	16	31	339	47	14	4.6
5	e10	9.5	52	25	23	16	14	16	44	62	8.8	4.3
6	e10	20	15	27	322	76	13	15	21	9.8	7.3	24
7	e9.6	32	11	14	187	24	13	12	17	6.8	6.3	54
8	e9.8	14	9.4	13	30	16	13	11	31	18	5.7	1,780
9	185	11	9.2	25	21	16	13	12	29	23	5.4	461
10	59	9.9	265	21	19	21	13	12	16	102	5.0	38
11	86	10	107	16	17	15	15	12	15	64	9.4	28
12	21	11	18	15	54	14	288	13	15	9.8	23	17
13	15	9.7	13	15	25	12	356	18	18	7.2	58	11
14	16	9.1	534	14	18	12	76	28	16	19	324	9.7
15	46	9.7	63	14	55	18	32	18	21	6.3	59	9.2
16	14	10	37	14	90	75	e23	64	27	4.2	30	8.7
17	13	9.5	128	13	33	42	e20	34	35	61	14	682
18	13	11	39	34	26	35	e18	48	18	1,380	9.9	191
19	12	195	26	19	25	25	e18	42	157	53	11	42
20	12	32	21	14	20	16	e17	43	41	40	8.8	25
21	12	13	18	13	18	15	e16	21	8.9	12	8.2	19
22	12	10	17	13	15	13	e15	46	14	10	8.6	15
23	11	9.2	17	12	14	15	e17	35	9.1	45	5.6	14
24	11	8.9	20	12	14	15	e16	44	13	9.2	5.4	12
25	12	11	16	12	13	15	e15	20	6.2	6.7	5.0	11
26	32	9.2	15	17	14	e15	67	16	157	6.6	4.7	10
27	66	8.6	15	17	61	e16	36	30	28	77	4.6	137
28	69	53	14	30	66	e13	15	17	26	283	4.3	2,000
29	205	28	14	46	47	e12	14	14	16	428	4.2	67
30	18	11	23	38	---	e14	13	72	317	65	87	25
31	11	---	16	26	---	65	---	25	---	21	16	---
TOTAL	1,034.4	601.7	1,571.4	582	1,705	749	1,415	922	1,505.2	2,931.6	884.2	5,717.1
MEAN	33.4	20.1	50.7	18.8	58.8	24.2	47.2	29.7	50.2	94.6	28.5	191
MAX	205	195	534	46	409	76	356	72	339	1,380	324	2,000
MIN	9.6	8.6	7.8	12	12	12	13	11	6.2	4.2	4.2	4.3
CFSM	0.99	0.60	1.51	0.56	1.75	0.72	1.40	0.89	1.49	2.81	0.85	5.67
IN.	1.15	0.67	1.74	0.64	1.89	0.83	1.57	1.02	1.67	3.25	0.98	6.33

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

MEAN	26.1	30.0	40.9	57.8	65.5	62.1	53.0	28.7	31.2	37.6	25.8	46.4
MAX	142	109	130	179	135	197	210	129	166	307	131	218
(WY)	(2003)	(1949)	(2003)	(1937)	(1953)	(2003)	(2003)	(2003)	(2003)	(1949)	(2003)	(2000)
MIN	1.82	3.53	6.86	7.87	14.0	22.5	8.68	6.19	4.40	2.64	2.33	2.26
(WY)	(1931)	(1932)	(1934)	(1942)	(1931)	(1930)	(2002)	(2002)	(1933)	(1932)	(1932)	(1930)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004 [@]	
ANNUAL TOTAL	41,736.3		19,618.6		41.8	
ANNUAL MEAN	114		53.6		137	
HIGHEST ANNUAL MEAN					21.0	
LOWEST ANNUAL MEAN					1942	
HIGHEST DAILY MEAN	2,270	Mar 20	2,000	Sep 28	5,460	Jul 15, 1949
LOWEST DAILY MEAN	5.5	May 14	4.2	Jul 16	0.42	Aug 4, 2002
ANNUAL SEVEN-DAY MINIMUM	6.9	Jan 21	4.8	Aug 23	0.57	Jul 31, 2002
MAXIMUM PEAK FLOW			2,890	Sep 8	10000*	Jul 15, 1945
MAXIMUM PEAK STAGE			13.83	Sep 8	14.37	Mar 20, 2003
INSTANTANEOUS LOW FLOW			3.7	Jul 17		
ANNUAL RUNOFF (CFSM)	3.40		1.60		1.24	
ANNUAL RUNOFF (INCHES)	46.21		21.72		16.89	
10 PERCENT EXCEEDS	312		71		76	
50 PERCENT EXCEEDS	25		16		14	
90 PERCENT EXCEEDS	9.2		9.0		4.5	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.

