

## 02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°03'36", long 79°43'32", 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 mi<sup>2</sup>.

## 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 ft<sup>3</sup>/s July 15, 1949, gage-height 11.54 ft, from rating curve extended above 2,000 ft<sup>3</sup>/s based on contracted-opening measurement, site and datum then in use. Minimum discharge for current water year also occurred Oct. 8, 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	3.3	18	5.7	635	30	214	21	38	48	14	247	196
2	2.9	12	5.4	76	20	485	15	13	16	690	26	27
3	2.9	9.7	5.4	188	16	101	12	13	203	106	72	18
4	2.6	13	5.4	48	86	67	11	10	623	25	298	956
5	2.6	88	571	27	25	76	65	27	162	16	422	131
6	2.2	309	176	20	18	562	16	83	44	15	67	30
7	2.2	30	81	16	322	96	1,130	17	1,570	104	23	20
8	2.0	16	57	15	68	54	126	11	511	15	109	26
9	2.1	12	49	14	31	42	1,020	9.0	266	13	108	17
10	2.4	10	33	13	35	34	2,240	8.4	48	17	117	14
11	1,910	43	575	10	24	30	475	7.7	32	9.3	102	12
12	114	859	78	9.1	18	28	72	6.7	72	8.8	38	11
13	538	96	663	9.2	14	58	40	6.1	44	223	68	11
14	193	31	117	9.1	16	108	29	5.5	25	1,150	27	11
15	44	20	35	8.6	27	57	25	447	21	57	17	11
16	789	567	23	e7.8	33	588	22	304	57	48	14	9.8
17	51	728	16	e7.8	23	92	19	26	45	25	336	8.5
18	22	87	14	e7.6	163	149	56	97	25	40	447	544
19	13	33	13	e7.6	84	59	141	144	43	57	26	437
20	9.0	22	329	e8.0	49	2,270	29	25	89	19	17	27
21	16	18	36	8.2	31	169	23	91	22	12	14	18
22	28	15	20	e7.4	798	54	22	1,010	15	134	12	35
23	11	11	15	e7.0	147	33	16	332	12	212	12	1,890
24	6.3	9.7	583	e6.8	46	22	14	75	11	30	41	66
25	6.2	9.5	378	e6.6	33	18	18	254	9.3	15	11	29
26	12	8.5	53	e6.4	75	17	453	595	8.6	13	9.5	22
27	7.0	7.8	29	e6.2	591	20	131	60	367	11	8.4	18
28	186	7.1	21	e10	306	14	23	37	538	9.3	7.5	34
29	268	6.7	17	38	---	27	16	64	30	323	157	14
30	110	6.6	15	368	---	497	13	42	18	184	185	12
31	32	---	14	73	---	58	---	142	---	49	1,020	---
TOTAL	4,390.7	3,103.6	4,032.9	1,674.4	3,129	6,099	6,293	4,000.4	4,974.9	3,644.4	4,058.4	4,655.3
MEAN	142	103	130	54.0	112	197	210	129	166	118	131	155
MAX	1,910	859	663	635	798	2,270	2,240	1,010	1,570	1,150	1,020	1,890
MIN	2.0	6.6	5.4	6.2	14	14	11	5.5	8.6	8.8	7.5	8.5
CFSM	4.22	3.08	3.87	1.61	3.33	5.86	6.24	3.84	4.94	3.50	3.90	4.62
IN.	4.86	3.44	4.46	1.85	3.46	6.75	6.97	4.43	5.51	4.03	4.49	5.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003,<sup>@</sup> BY WATER YEAR (WY)

MEAN	25.9	30.2	40.6	59.0	65.7	63.2	53.2	28.7	30.6	36.0	25.8	42.5
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)

02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003 <sup>®</sup>	
ANNUAL TOTAL	19,722.94		50,056.0		41.4	
ANNUAL MEAN	54.0		137		137	
HIGHEST ANNUAL MEAN					21.0	
LOWEST ANNUAL MEAN					1942	
HIGHEST DAILY MEAN	1,910	Oct 11	2,270	Mar 20	5,460	Jul 15, 1949
LOWEST DAILY MEAN	0.42	Aug 4	2.0	Oct 8	0.42	Aug 4, 2002
ANNUAL SEVEN-DAY MINIMUM	0.57	Jul 31	2.3	Oct 4	0.57	Jul 31, 2002
MAXIMUM PEAK FLOW			3,080	Mar 20	10,000*	Jul 15, 1945
MAXIMUM PEAK STAGE			14.37	Mar 20	14.37	Mar 20, 2003
INSTANTANEOUS LOW FLOW			1.9*	Oct 6	NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	1.61		4.08		1.23	
ANNUAL RUNOFF (INCHES)	21.84		55.42		16.75	
10 PERCENT EXCEEDS	102		447		77	
50 PERCENT EXCEEDS	11		28		14	
90 PERCENT EXCEEDS	1.5		7.9		4.5	

e Estimated.  
<sup>®</sup> See PERIOD OF RECORD.  
 \* See REMARKS.

