

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	e9.2	64	13	18	78	30	94	5.6	4.6	25	3.4
2	24	e9.7	32	12	14	40	91	16	143	4.1	8.0	3.0
3	29	e9.6	23	12	226	31	36	9.6	90	3.6	5.8	e2.8
4	13	e113	20	12	49	27	23	7.8	16	118	4.8	e2.6
5	9.7	e29	18	12	21	27	20	7.5	19	38	4.3	e2.5
6	8.2	e13	18	11	15	23	19	54	11	14	4.1	e2.4
7	7.6	e11	41	11	14	22	58	13	14	159	3.6	e2.2
8	7.0	e9.8	22	11	14	170	105	8.7	63	80	3.7	e2.2
9	6.7	e9.6	122	10	14	33	92	8.0	154	11	337	e2.3
10	6.6	e9.8	1,400	9.7	40	23	22	6.4	92	6.5	23	e2.2
11	6.1	e9.8	152	9.8	15	32	19	6.0	12	5.1	9.7	e2.4
12	6.1	544	55	9.8	12	31	20	5.7	7.5	5.3	6.7	e2.3
13	88	111	36	17	12	23	39	14	60	30	6.0	e2.2
14	e19	30	25	870	57	36	65	6.6	143	83	6.8	e3.8
15	e11	21	21	43	33	23	18	12	13	26	5.8	e3.0
16	e9.4	20	19	25	18	183	14	8.1	8.1	9.8	5.0	e7.8
17	e9.2	15	20	20	15	251	12	5.9	6.1	14	55	e9.8
18	e9.2	15	18	15	14	65	12	5.5	5.4	4.9	8.4	e3.9
19	e18	13	17	16	13	35	11	13	5.1	3.7	10	e2.7
20	e21	12	15	13	13	28	11	55	4.7	15	126	e3.0
21	e10	12	22	17	22	24	9.8	25	4.9	5.7	38	e19
22	e9.9	11	16	14	15	25	10	7.1	4.6	13	8.5	e5.7
23	e9.4	334	127	14	12	185	16	16	4.4	7.1	50	e3.6
24	e19	151	38	e12	133	84	9.5	13	4.1	3.2	10	e2.7
25	e12	215	21	13	34	29	8.3	14	4.6	2.8	5.9	e3.9
26	e9.2	50	18	11	19	23	7.8	5.8	3.9	2.5	4.9	e18
27	e9.4	53	15	9.7	16	20	e8.3	4.7	17	2.2	4.5	e4.3
28	e14	227	14	7.8	484	735	8.0	4.5	87	25	4.3	e3.1
29	e14	42	14	12	---	133	25	4.0	11	366	3.8	e2.8
30	e11	30	14	139	---	45	16	3.7	6.3	156	3.9	e2.6
31	e9.3	---	13	38	---	34	---	3.6	---	54	5.6	---
TOTAL	463.0	2,139.5	2,450	1,439.8	1,362	2,518	835.7	458.2	1,020.3	1,273.1	798.1	132.2
MEAN	14.9	71.3	79.0	46.4	48.6	81.2	27.9	14.8	34.0	41.1	25.7	4.41
MAX	88	544	1,400	870	484	735	105	94	154	366	337	19
MIN	6.1	9.2	13	7.8	12	20	7.8	3.6	3.9	2.2	3.6	2.2
CFSM	0.44	2.12	2.35	1.38	1.45	2.42	0.83	0.44	1.01	1.22	0.77	0.13
IN.	0.51	2.37	2.71	1.59	1.51	2.79	0.93	0.51	1.13	1.41	0.88	0.15

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

MEAN	25.8	31.1	41.9	57.5	65.1	62.6	52.4	28.4	31.3	37.7	25.8	45.3
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005 [@]	
ANNUAL TOTAL	21,463.6		14,889.9		41.7	
ANNUAL MEAN	58.6		40.8		21.0	
HIGHEST ANNUAL MEAN					137	2003
LOWEST ANNUAL MEAN					21.0	1942
HIGHEST DAILY MEAN	2,000	Sep 28	1,400	Dec 10	5,460	Jul 15, 1949
LOWEST DAILY MEAN	4.2	Jul 16	2.2	Jul 27	0.42	Aug 4, 2002
ANNUAL SEVEN-DAY MINIMUM	4.8	Aug 23	2.3	Sep 7	0.57	Jul 31, 2002
MAXIMUM PEAK FLOW			2,580	Dec 10	10,000*	Jul 15, 1945
INSTANTANEOUS LOW FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			12.97	Dec 10	14.37	Mar 20, 2003
ANNUAL RUNOFF (CFSM)	1.75		1.21		1.24	
ANNUAL RUNOFF (INCHES)	23.76		16.49		16.88	
10 PERCENT EXCEEDS	76		90		77	
50 PERCENT EXCEEDS	17		14		14	
90 PERCENT EXCEEDS	8.9		3.9		4.5	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.

