

CAPE FEAR RIVER BASIN

02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC

LOCATION.--Lat 36°02'59", long 79°51'22", Guilford County, Hydrologic Unit 03030002, on right bank 300 ft upstream of culvert under Merritt Road, 0.7 mi south of post office at Pomona, and 1.0 mi below South Railway trestle.

DRAINAGE AREA.--7.33 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 771.84 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record also occurred Sept. 17.

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	2.2	1.3	.99	e2.0	1.7	6.1	79	1.9	40	1.1	4.4	47
2	2.0	1.4	1.0	e1.3	1.5	5.3	18	1.8	5.5	4.1	2.0	34
3	3.6	1.5	.95	e1.2	1.3	6.8	27	1.7	2.2	.60	1.1	.89
4	5.6	1.7	1.0	e1.4	1.3	65	9.9	1.6	2.2	65	.85	84
5	2.2	1.4	.99	1.5	1.3	24	7.3	1.4	4.4	19	.74	1.7
6	2.3	1.4	.88	1.5	1.3	9.4	6.2	1.4	41	4.5	.92	.62
7	2.0	3.5	.94	1.5	1.3	7.9	5.5	1.4	8.2	2.8	.69	.45
8	1.8	1.9	1.1	12	1.3	6.5	5.2	1.6	3.1	25	.75	.41
9	1.8	10	1.1	5.2	1.3	5.1	4.8	1.6	1.6	4.4	.58	.34
10	1.9	3.1	1.0	1.4	4.6	4.4	4.8	1.6	1.1	4.6	6.7	16
11	2.6	.84	.97	1.3	1.2	e4.3	4.2	1.6	4.0	1.6	64	1.3
12	1.7	.76	1.0	1.4	6.3	5.5	4.0	25	.90	.93	11	.41
13	1.6	.77	1.0	1.3	6.7	12	8.6	5.0	23	1.6	3.4	.31
14	1.7	20	1.7	1.2	5.5	6.6	4.0	2.1	9.2	.98	1.4	.25
15	1.6	2.6	1.5	1.3	5.9	52	3.8	1.6	1.6	.88	.90	.24
16	1.5	.98	16	1.1	25	12	3.5	35	1.0	.74	.85	.20
17	1.5	1.5	18	1.1	131	8.0	4.0	10	.63	.65	1.6	.20
18	1.5	.83	3.2	21	12	7.1	3.2	3.4	.54	26	62	.26
19	1.6	3.3	5.1	60	7.9	5.9	2.9	2.0	.52	3.6	11	.22
20	1.5	4.1	3.4	53	6.8	55	2.6	3.9	.52	1.3	.93	91
21	1.6	.92	2.5	7.6	6.3	68	2.2	31	.50	.65	.50	15
22	1.6	.83	1.7	5.0	12	18	2.1	7.3	42	.49	.57	.63
23	1.8	.89	1.3	2.5	9.7	7.3	2.3	4.4	14	.45	.51	.45
24	1.6	.88	1.3	1.7	7.3	5.8	13	2.0	2.2	.50	189	320
25	1.6	32	1.3	1.5	37	4.6	47	4.2	4.0	19	6.0	89
26	1.5	7.6	1.3	2.0	9.9	3.4	5.4	117	12	70	2.1	4.7
27	1.6	2.7	1.4	2.6	7.4	3.1	3.7	5.0	29	94	.89	2.1
28	1.5	1.5	1.4	2.7	6.8	3.1	2.6	7.3	1.3	6.0	.77	1.1
29	1.3	1.1	1.4	2.8	---	152	2.0	2.7	.57	49	.60	.75
30	1.3	.98	1.7	17	---	24	1.9	1.5	.42	22	2.5	.63
31	1.4	---	2.3	4.3	---	98	---	1.2	---	3.8	18	---
TOTAL	59.0	112.28	79.42	221.4	321.6	696.2	290.7	289.2	257.20	435.27	397.25	714.16
MEAN	1.90	3.74	2.56	7.14	11.5	22.5	9.69	9.33	8.57	14.0	12.8	23.8
MAX	5.6	32	18	60	131	152	79	117	42	94	189	320
MIN	1.3	.76	.88	1.1	1.2	3.1	1.9	1.2	.42	.45	.50	.20
CFSM	.26	.51	.35	.98	1.57	3.08	1.33	1.28	1.17	1.92	1.76	3.26
IN.	.30	.57	.40	1.13	1.64	3.55	1.48	1.47	1.31	2.22	2.02	3.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	3.70	4.08	3.84	9.30	11.3	15.7	11.8	6.79	8.44	9.04	10.9	27.8
MAX	5.49	4.42	5.11	11.5	11.5	22.5	14.0	9.33	12.4	14.0	12.8	35.1
(WY)	2000	2000	2000	2000	2001	2001	2000	2001	2000	2001	2001	2000
MIN	1.90	3.74	2.56	7.14	11.1	9.02	9.69	4.25	4.35	6.48	9.06	23.8
(WY)	2001	2001	2001	2001	2000	2000	2001	2000	1999	2000	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR
ANNUAL TOTAL	3721.94	3873.68				
ANNUAL MEAN	10.2	10.6				
HIGHEST ANNUAL MEAN			10.7			
LOWEST ANNUAL MEAN			10.7			2000
HIGHEST DAILY MEAN	209	Sep 15	320	Sep 24	320	Sep 24 2001
LOWEST DAILY MEAN	.39	Aug 9	.20	Sep 16	.20	Sep 16 2001
ANNUAL SEVEN-DAY MINIMUM	.69	Jul 16	.24	Sep 13	.24	Sep 13 2001
MAXIMUM PEAK FLOW			667	Sep 24	1170	Sep 15 2000
MAXIMUM PEAK STAGE			7.34	Sep 24	14.01	Sep 15 2000
INSTANTANEOUS LOW FLOW			.17*	Jul 3	.17	Jul 3 2001
ANNUAL RUNOFF (CFSM)	1.39		1.45		1.46	
ANNUAL RUNOFF (INCHES)	18.97		19.74		19.88	
10 PERCENT EXCEEDS	27		25		28	
50 PERCENT EXCEEDS	2.4		2.1		2.2	
90 PERCENT EXCEEDS	.93		.75		.77	

e Estimated.
* See REMARKS.

02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC--Continued

