

CAPE FEAR RIVER BASIN

0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC

LOCATION.--Lat 36°07'40", long 79°39'443", Guilford County, Hydrologic Unit 03030002, on left bank of upstream side of bridge on Secondary Road 2819, 300 ft below the confluence of North Buffalo Creek and South Buffalo Creek, and 1.3 mi north of McLeansville.

DRAINAGE AREA.--88.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 650 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for current water year also occurred Nov. 12.

REVISIONS.--The maximum discharge for water year 1999 has been revised to 4,320 ft³/s, Apr. 30, 1999, gage height, 14.36 ft.

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	81	65	68	69	96	92	1400	72	272	67	128	131
2	81	62	62	70	95	90	416	74	227	99	106	114
3	77	64	61	77	83	91	277	73	97	73	83	68
4	79	62	66	75	82	499	196	73	91	268	76	127
5	75	63	64	76	85	280	135	72	88	1270	71	87
6	72	63	63	76	87	141	116	71	146	116	71	72
7	70	65	67	73	84	113	106	71	278	88	72	67
8	66	79	69	121	83	102	101	72	93	156	72	64
9	72	98	62	102	84	99	97	75	83	126	70	63
10	72	109	65	83	97	90	92	79	78	285	74	113
11	73	66	65	77	84	90	88	125	76	100	405	166
12	69	62	68	78	95	94	88	104	80	86	226	70
13	71	63	65	79	145	123	106	174	87	81	92	68
14	67	199	75	75	122	92	92	71	390	81	93	66
15	64	89	74	76	122	349	80	72	90	73	76	66
16	68	63	106	79	157	240	81	267	80	75	73	64
17	69	65	244	79	1570	124	83	181	79	75	71	66
18	69	62	96	165	206	103	88	87	72	127	265	66
19	67	62	83	370	127	99	84	77	75	150	102	66
20	66	99	101	886	108	171	79	79	76	80	81	164
21	63	70	79	220	102	1080	79	161	81	72	76	101
22	63	63	78	127	113	322	77	116	114	70	72	71
23	60	59	69	112	127	159	80	99	369	66	70	66
24	65	58	68	102	115	130	79	75	87	75	284	317
25	63	233	66	95	250	114	313	101	87	90	81	217
26	65	219	66	91	165	112	99	1050	102	566	64	78
27	67	85	71	87	107	106	80	147	189	968	65	69
28	62	75	73	85	100	101	76	108	84	179	71	69
29	62	71	71	86	---	669	73	110	73	107	84	62
30	65	71	70	193	---	1600	71	96	70	314	85	60
31	61	---	67	115	---	317	---	89	---	103	130	---
TOTAL	2124	2564	2402	4099	4691	7792	4832	4121	3814	6086	3389	2878
MEAN	68.5	85.5	77.5	132	168	251	161	133	127	196	109	95.9
MAX	81	233	244	886	1570	1600	1400	1050	390	1270	405	317
MIN	60	58	61	69	82	90	71	71	70	66	64	60
CFSM	.77	.97	.88	1.49	1.89	2.84	1.82	1.50	1.44	2.22	1.24	1.08
IN.	.89	1.08	1.01	1.72	1.97	3.28	2.03	1.73	1.60	2.56	1.42	1.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	79.9	74.1	105	188
MAX	114	85.5	129	271
(WY)	2000	2001	1999	1999
MIN	57.6	53.1	77.5	132
(WY)	1999	1999	2001	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1998 - 2001

ANNUAL TOTAL	60765	48792		
ANNUAL MEAN	166	134	149	
HIGHEST ANNUAL MEAN			172	2000
LOWEST ANNUAL MEAN			134	2001
HIGHEST DAILY MEAN	2560	Sep 15	1600	Mar 30
LOWEST DAILY MEAN	49	Jun 11	58	Nov 24
ANNUAL SEVEN-DAY MINIMUM	52	Jun 8	63	Oct 31
MAXIMUM PEAK FLOW			3720	Jul 5
MAXIMUM PEAK STAGE			13.21	Jul 5
INSTANTANEOUS LOW FLOW			46*	Oct 28
ANNUAL RUNOFF (CFSM)	1.88		1.51	1.68
ANNUAL RUNOFF (INCHES)	25.54		20.51	22.85
10 PERCENT EXCEEDS	315		226	242
50 PERCENT EXCEEDS	83		83	78
90 PERCENT EXCEEDS	63		65	55

* See REMARKS.

0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC--Continued

