

CAPE FEAR RIVER BASIN

0209387778 BRUSH CREEK AT FLEMING ROAD AT GREENSBORO, NC

LOCATION.--Lat 36°08'24", long 79°54'50", Guilford County, Hydrologic Unit 03030002, on left bank downstream at Fleming Road and 0.5 mi above Lake Higgins in Greensboro.

DRAINAGE AREA.--7.42 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 780 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of record and current water year also occurred on June 22, 25, Sept. 12, 13, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.97	e1.1	e2.8	e3.8	4.3	2.7	7.1	1.5	2.2	1.4	0.84	47
2	e0.99	e1.2	e2.6	e3.6	3.9	10	3.8	3.7	2.5	1.5	0.78	6.0
3	e0.97	e2.8	e2.5	e3.9	3.8	13	3.4	2.3	1.2	4.0	0.75	3.5
4	e0.96	e2.2	e2.4	e6.5	3.8	4.5	3.0	4.1	1.1	15	0.70	2.5
5	e0.95	e1.8	e2.4	e6.0	3.8	3.6	2.9	3.1	0.86	6.7	0.59	1.3
6	e6.1	e1.4	e2.3	e18	5.2	3.3	3.0	2.1	4.0	1.8	0.48	0.47
7	e3.1	e2.3	e2.3	e12	25	3.1	2.9	1.9	6.7	1.4	0.52	0.40
8	e2.2	e1.7	e2.2	e6.4	9.8	2.9	2.8	1.7	0.86	1.2	0.38	0.35
9	e1.7	e1.6	e2.1	e5.4	9.8	3.1	3.0	1.6	0.71	1.1	0.41	0.32
10	e1.5	e2.5	e31	e5.0	7.3	3.2	3.4	1.5	0.65	1.1	0.31	0.34
11	e1.3	e2.0	e13	3.9	4.6	2.8	2.8	1.5	0.49	3.3	0.33	0.33
12	e1.2	e1.7	e5.9	3.7	3.8	4.9	2.7	1.5	0.43	1.4	0.39	0.22
13	e1.9	e1.6	e3.4	3.7	3.5	5.0	2.7	2.5	0.40	1.2	0.37	0.22
14	e14	e1.5	e2.6	3.5	3.4	3.6	2.6	3.4	0.78	3.8	0.44	1.5
15	e5.6	e1.4	e2.1	3.5	3.3	3.3	2.5	1.4	0.48	1.8	0.42	21
16	e2.8	e1.4	e2.4	3.4	3.2	3.3	2.3	1.2	0.38	1.3	1.00	20
17	e2.2	e1.3	e19	3.5	3.1	6.4	2.2	1.2	0.34	1.0	1.5	2.7
18	e1.8	e1.3	e12	3.5	2.9	6.0	2.0	2.4	0.32	0.93	2.5	4.4
19	e1.5	e1.2	e5.8	43	2.8	4.2	2.3	1.6	0.30	1.3	0.63	10
20	e1.3	e1.3	e3.2	29	2.9	4.8	2.7	1.3	0.29	0.71	0.45	4.0
21	e1.1	e1.3	e2.4	8.8	2.9	7.7	1.9	1.2	0.28	0.58	0.47	2.0
22	e1.2	e1.4	e2.1	5.9	2.8	4.6	1.9	1.2	0.28	0.55	0.53	0.73
23	e1.1	e1.6	e2.3	44	2.8	3.8	1.7	1.1	0.30	0.53	0.48	0.62
24	e1.0	e5.1	e8.6	19	2.8	3.5	1.7	1.0	0.35	4.9	0.49	0.50
25	e3.2	e3.0	e5.0	23	2.7	3.3	1.8	0.99	0.26	2.7	0.46	0.45
26	e1.9	e2.4	e2.9	11	2.8	6.7	1.7	0.96	14	11	1.1	18
27	e1.6	e2.0	e2.7	6.8	2.7	8.3	1.6	0.93	17	5.3	0.95	5.8
28	e1.3	e1.8	e2.6	5.1	2.7	3.7	1.7	0.91	6.8	2.0	2.2	2.1
29	e1.2	e1.6	e2.9	4.6	---	3.4	1.7	0.87	2.0	1.3	1.6	1.1
30	e1.1	e3.6	e3.6	4.4	---	3.5	1.5	2.5	1.6	1.1	13	0.89
31	e1.0	---	e4.0	4.3	---	7.8	---	1.8	---	0.94	24	---
TOTAL	68.74	57.1	161.1	308.2	132.4	150.0	77.3	54.96	67.86	82.84	59.07	158.74
MEAN	2.217	1.903	5.197	9.942	4.729	4.839	2.577	1.773	2.262	2.672	1.905	5.291
MAX	14	5.1	31	44	25	13	7.1	4.1	17	15	24	47
MIN	0.95	1.1	2.1	3.4	2.7	2.7	1.5	0.87	0.26	0.53	0.31	0.22
CFSM	0.30	0.26	0.70	1.34	0.64	0.65	0.35	0.24	0.31	0.36	0.26	0.71
IN.	0.35	0.29	0.81	1.55	0.66	0.75	0.39	0.28	0.34	0.42	0.30	0.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
MEAN	4.096	4.030	5.623	8.832	6.992	8.348	8.022	4.490	3.893	5.583	5.605	14.36
MAX	6.75	5.84	6.64	9.94	8.88	14.5	13.2	6.02	4.77	8.54	9.37	30.7
(WY)	2000	2000	2000	2002	2001	2001	2001	2000	2000	2001	1999	2000
MIN	2.22	1.90	5.03	7.58	4.73	4.84	2.58	1.77	2.26	2.67	1.91	1.46
(WY)	2002	2002	2001	2000	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1999 - 2002

ANNUAL TOTAL	2402.62	1378.31		
ANNUAL MEAN	6.583	3.776		
HIGHEST ANNUAL MEAN			6.342	
LOWEST ANNUAL MEAN			8.38	2000
HIGHEST DAILY MEAN	98	Apr 1	3.78	2002
LOWEST DAILY MEAN	0.54	Sep 19	149	Sep 15 2000
ANNUAL SEVEN-DAY MINIMUM	0.65	Sep 13	0.22	Sep 12 2002
MAXIMUM PEAK FLOW			0.29	Jun 19 2002
MAXIMUM PEAK STAGE			114	Jan 19
INSTANTANEOUS LOW FLOW			5.13	Jan 19
ANNUAL RUNOFF (CFSM)	0.89		0.19*	Jun 22
ANNUAL RUNOFF (INCHES)	12.06			8.96
10 PERCENT EXCEEDS	13			11.63
50 PERCENT EXCEEDS	3.3			3.4
90 PERCENT EXCEEDS	1.2			1.1

e Estimated.

* See REMARKS.

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