

## CAPE FEAR RIVER BASIN

02094775 RYAN CREEK BELOW US HIGHWAY 220 AT GREENSBORO, NC

LOCATION.--Lat 36°01'51", long 79°47'56", Guilford County, Hydrologic Unit 03030002, on left bank 0.6 mi upstream of South Buffalo Creek, and .2 mi below US Highway 220 in Greensboro.

DRAINAGE AREA.--4.12 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR NC-99-1B, WDR NC-00-1B, WDR NC-01-1B: maximum discharges only.

GAGE.--Water-stage recorder. Elevation of gage is 730 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No flow occurred several days.

REVISIONS.--The maximum discharges for some water years have been revised, as shown in the following table. They supersede figures published in the reports 1999, 2000 and 2001.

Water Year	Date	Discharge ft <sup>3</sup> /s	Gage Height (ft)
1999	Aug. 26, 1999	348	4.65
2000	Sep. 15, 2000	834	10.13
2001	Aug. 11, 2001	363	4.83

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	e0.23	0.51	e0.71	e0.40	1.8	0.53	6.4	0.37	0.15	0.05	0.02	137
2	e0.23	0.44	e0.50	e0.41	e1.2	32	1.2	3.0	0.20	0.05	0.01	2.4
3	e0.24	0.48	e0.42	e0.60	e1.0	19	0.87	0.46	0.10	0.70	0.01	1.1
4	e0.31	0.40	e0.40	e3.2	e0.88	2.7	0.63	6.3	0.09	0.21	0.01	0.42
5	e0.27	0.52	e0.52	e1.6	e0.84	1.2	0.59	1.2	0.09	0.10	0.01	0.35
6	e0.47	0.52	e0.44	e26	e1.5	0.87	0.57	0.34	0.08	0.06	0.00	0.35
7	e0.39	e0.50	e0.40	e6.0	31	0.76	0.53	0.29	0.14	0.05	0.00	0.29
8	e0.27	e0.49	e0.38	e2.6	3.8	0.73	0.60	0.25	0.08	0.04	0.00	0.26
9	e0.23	e0.48	e0.44	e1.4	1.9	0.96	0.63	0.26	0.07	0.04	0.00	0.26
10	e0.22	e0.48	e24	e0.96	4.1	0.77	1.1	0.23	0.06	0.09	0.00	0.26
11	0.21	e0.47	e15	e0.72	2.2	0.56	0.68	0.90	0.06	30	0.00	0.24
12	0.19	e0.46	e1.7	e0.65	1.4	2.6	0.62	0.45	0.06	0.08	0.00	0.23
13	0.19	e0.46	e1.0	e1.4	1.2	8.3	0.72	8.3	0.09	0.03	0.00	0.22
14	40	e0.45	e0.78	e0.88	0.92	2.0	0.62	1.7	0.10	0.07	0.00	1.6
15	1.3	e0.45	e0.62	e0.72	0.96	1.1	0.56	0.24	0.06	0.05	0.02	19
16	0.28	e0.44	e0.54	e0.60	0.88	0.89	0.51	0.18	0.05	0.03	0.02	1.6
17	0.37	e0.44	e5.2	e0.56	0.66	6.2	0.46	0.16	0.04	0.03	0.01	0.52
18	0.39	e0.43	e7.3	e0.51	0.65	3.7	0.46	5.4	0.04	0.02	0.02	2.7
19	0.36	e0.43	e1.1	130	0.69	1.4	0.50	0.28	0.05	0.02	0.01	2.5
20	0.34	e0.43	e0.80	26	0.80	1.9	0.51	0.16	0.05	0.02	0.00	0.45
21	0.37	e0.43	e0.68	19	1.6	8.3	0.43	0.27	0.04	0.02	0.00	0.28
22	0.37	e0.42	e0.58	5.8	0.62	1.8	0.46	0.26	0.03	0.02	0.00	0.25
23	0.34	e0.50	e0.52	114	0.52	0.99	0.40	0.18	0.05	0.02	0.01	0.27
24	0.35	e3.9	e5.4	6.1	0.53	0.89	0.39	0.17	0.05	0.43	0.03	0.23
25	0.44	e1.6	e1.6	32	0.52	0.84	0.47	0.16	0.05	0.10	0.02	0.22
26	0.27	e0.80	e0.92	e6.0	0.55	1.9	0.35	0.15	0.82	17	0.04	14
27	0.22	e0.56	e0.68	e3.0	0.52	8.3	0.36	0.14	1.0	0.98	0.03	5.2
28	0.24	e0.50	e0.54	e2.4	0.48	1.0	0.40	0.14	0.30	0.05	1.9	1.9
29	0.28	e0.46	e0.48	e1.8	---	0.82	0.39	0.12	0.07	0.03	0.07	0.40
30	0.35	e0.49	e0.44	e1.6	---	0.80	0.33	0.32	0.06	0.02	9.0	0.31
31	0.48	---	e0.42	e1.5	---	5.3	---	0.28	---	0.02	47	---
TOTAL	50.20	18.94	74.51	398.41	63.72	119.11	22.74	32.66	4.13	50.43	58.24	194.81
MEAN	1.619	0.631	2.404	12.85	2.276	3.842	0.758	1.054	0.138	1.627	1.879	6.494
MAX	40	3.9	24	130	31	32	6.4	8.3	1.0	30	47	137
MIN	0.19	0.40	0.38	0.40	0.48	0.53	0.33	0.12	0.03	0.02	0.00	0.22
CFSM	0.39	0.15	0.58	3.12	0.55	0.93	0.18	0.26	0.03	0.39	0.46	1.58
IN.	0.45	0.17	0.67	3.60	0.58	1.08	0.21	0.29	0.04	0.46	0.53	1.76

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002
MEAN	1.299	0.979	2.390	7.366	3.644
MAX	2.55	1.49	3.65	12.9	5.32
(WY)	2000	2001	1999	2002	2001
MIN	0.31	0.42	1.35	2.92	2.13
(WY)	1999	1999	2001	2001	1999

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1998 - 2002	
ANNUAL TOTAL	1229.14		1087.90		3.872	
ANNUAL MEAN	3.368		2.981		6.03	
HIGHEST ANNUAL MEAN					2.98	
LOWEST ANNUAL MEAN					2.98	
HIGHEST DAILY MEAN	84	Mar 29	137	Sep 1	393	Sep 15 2000
LOWEST DAILY MEAN	0.15	Sep 28	0.00	Aug 6	0.00	Aug 6 2002
ANNUAL SEVEN-DAY MINIMUM	0.20	Sep 26	0.00	Aug 6	0.00	Aug 6 2002
MAXIMUM PEAK FLOW			517	Sep 1	843	Sep 15 2000
MAXIMUM PEAK STAGE			6.62	Sep 1	10.13	Sep 15 2000
INSTANTANEOUS LOW FLOW			0.00*	Aug 6	0.00*	Aug 6 2002
ANNUAL RUNOFF (CFSM)	0.82		0.72		0.94	
ANNUAL RUNOFF (INCHES)	11.10		9.82		12.77	
10 PERCENT EXCEEDS	6.7		4.5		7.0	
50 PERCENT EXCEEDS	0.67		0.46		0.83	
90 PERCENT EXCEEDS	0.30		0.03		0.17	

e Estimated.  
 \* See REMARKS.

