

CAPE FEAR RIVER BASIN

02102192 BUCKHORN CREEK NEAR CORINTH, NC

LOCATION.--Lat 35°33'34", long 78°58'25", Chatham County, Hydrologic Unit 03030004, on left bank at upstream side of bridge on State Highway 42, 0.2 mi downstream of White Oak Creek, 1.2 mi downstream of Harris Lake, and 2 mi east of Corinth.

DRAINAGE AREA.--76.3 mi².

PERIOD OF RECORD.--June 1972 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.63 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Since Dec. 1, 1980, considerable regulation by Harris Lake (station 02102190). Maximum discharge prior to regulation: 6,920 ft³/s, Feb. 2, 1973; gage height: 20.02 ft. Minimum discharge prior to regulation: 0.01 ft³/s, Sept. 2, 1976. Minimum discharge for period of record and current water year also occurred June 22, 23, 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	3.3	4.2	8.5	5.6	145	8.3	151	1.3	1.3	0.57	0.29	1.4
2	3.2	4.2	8.3	1.8	135	9.2	148	1.1	1.2	0.48	0.21	0.91
3	3.2	4.2	7.8	2.7	114	15	138	1.5	0.96	0.45	0.19	0.72
4	3.2	5.6	7.8	2.4	101	15	125	1.9	0.78	0.42	0.16	0.61
5	3.1	10	7.8	2.2	84	12	104	2.9	0.68	0.41	0.15	0.57
6	4.0	10	7.8	5.1	71	11	89	1.3	0.54	0.98	0.14	0.52
7	4.0	10	7.8	5.7	100	10	73	1.3	0.54	0.58	0.14	0.53
8	3.5	10	7.8	4.1	123	9.5	61	1.2	0.49	0.47	0.13	0.52
9	3.5	10	7.1	3.3	115	8.7	51	1.2	0.45	0.36	0.13	0.53
10	3.5	10	7.1	3.8	105	8.8	53	1.2	0.44	0.28	0.11	0.52
11	3.5	10	15	4.3	96	7.2	47	1.5	0.29	0.40	0.10	0.56
12	3.6	9.9	9.0	3.4	82	6.7	41	1.1	0.18	0.41	0.09	0.52
13	3.7	9.8	8.3	4.2	74	7.6	34	1.3	0.18	0.36	0.09	0.52
14	5.4	9.7	8.1	3.4	65	7.0	30	2.1	0.16	0.67	0.09	0.77
15	6.3	9.6	8.3	3.0	56	6.2	27	1.5	0.14	0.55	0.12	1.6
16	3.9	9.6	7.9	2.7	48	5.6	25	1.2	0.12	0.39	0.28	1.7
17	3.9	9.4	7.5	2.6	43	6.2	21	1.1	0.09	0.33	0.43	0.99
18	3.8	9.2	8.1	2.6	35	5.9	18	1.6	0.08	0.34	0.45	0.72
19	3.7	9.2	7.8	22	30	5.2	16	2.3	0.08	0.42	0.46	0.63
20	3.7	8.6	7.5	71	27	4.7	16	1.7	0.07	0.50	0.48	0.57
21	3.7	8.5	7.8	64	24	7.0	14	1.5	0.07	0.57	0.39	0.49
22	3.7	8.5	7.8	72	22	9.3	12	1.7	0.06	0.42	0.33	0.46
23	3.7	8.5	7.8	237	21	6.0	9.9	1.6	0.06	0.38	0.30	0.48
24	3.7	10	8.0	305	17	5.2	7.0	1.4	0.06	0.37	0.20	0.52
25	4.2	9.4	8.0	347	14	4.7	5.5	1.3	0.08	3.1	0.14	0.52
26	4.2	9.1	7.8	313	12	4.5	4.7	1.3	0.23	2.5	0.33	0.54
27	4.4	8.6	8.0	277	11	6.6	3.5	1.4	1.2	0.98	0.58	0.63
28	4.4	8.5	8.1	244	9.5	5.9	2.7	1.4	5.9	0.63	0.93	0.70
29	4.2	8.5	8.2	213	---	4.8	2.6	1.3	9.2	0.49	0.62	0.62
30	4.2	8.5	8.1	187	---	4.4	2.0	1.3	1.1	0.42	0.74	0.57
31	4.2	---	8.1	166	---	16	---	1.4	---	0.37	1.4	---
TOTAL	120.6	261.3	253.0	2580.9	1779.5	244.2	1331.9	45.9	26.73	19.60	10.20	20.94
MEAN	3.890	8.710	8.161	83.25	63.55	7.877	44.40	1.481	0.891	0.632	0.329	0.698
MAX	6.3	10	15	347	145	16	151	2.9	9.2	3.1	1.4	1.7
MIN	3.1	4.2	7.1	1.8	9.5	4.4	2.0	1.1	0.06	0.28	0.09	0.46
CFSM	0.05	0.11	0.11	1.09	0.83	0.10	0.58	0.02	0.01	0.01	0.00	0.01
IN.	0.06	0.13	0.12	1.26	0.87	0.12	0.65	0.02	0.01	0.01	0.00	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002,® BY WATER YEAR (WY)

	MEAN	20.74	22.47	31.08	67.60	100.7	123.9	86.08	38.83	26.68	25.95	24.45	28.01
MAX	137	146	143	241	348	421	312	184	138	182	199	335	
(WY)	2000	1996	1984	1984	1998	1998	1993	1989	1984	2001	1986	1996	
MIN	0.70	0.81	1.40	2.07	1.37	1.66	1.13	1.48	0.67	0.34	0.33	0.70	
(WY)	1982	1992	1992	2001	1992	1992	1992	2002	1981	1981	2002	2002	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1981 - 2002®

ANNUAL TOTAL	20404.8	6694.77	
ANNUAL MEAN	55.90	18.34	49.42
HIGHEST ANNUAL MEAN			126
LOWEST ANNUAL MEAN			2.47
HIGHEST DAILY MEAN	828	Aug 12	347
LOWEST DAILY MEAN	1.3	May 25	0.06
ANNUAL SEVEN-DAY MINIMUM	1.7	May 21	0.07
MAXIMUM PEAK FLOW			513
MAXIMUM PEAK STAGE			5.42
INSTANTANEOUS LOW FLOW			0.05*
ANNUAL RUNOFF (CFSM)	0.73		0.24
ANNUAL RUNOFF (INCHES)	9.95		3.26
10 PERCENT EXCEEDS	181		52
50 PERCENT EXCEEDS	8.1		3.7
90 PERCENT EXCEEDS	1.9		0.32

® Regulated period only (1981-2002).

* See REMARKS.

02102192 BUCKHORN CREEK NEAR CORINTH, NC--Continued

