

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 sea level. 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 the current water year also occurred Nov. 14.

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	9.1	1.7	2.3	1.9	1.9	2.8	309	11	18	32	21	34
2	6.3	1.7	2.3	1.9	1.8	2.8	386	9.6	79	28	18	30
3	4.7	1.7	2.5	1.8	1.8	3.1	344	8.2	76	22	15	27
4	4.0	1.6	2.3	1.9	1.8	15	307	6.5	67	84	12	24
5	3.6	1.8	2.2	2.0	2.3	8.8	268	5.3	58	790	9.8	21
6	3.4	1.7	2.2	2.0	2.0	6.1	233	5.5	51	697	7.8	18
7	5.3	1.6	2.2	2.1	1.9	4.8	206	4.2	42	568	6.1	14
8	6.4	1.5	2.1	2.2	1.8	4.1	182	2.3	36	480	4.9	12
9	2.8	1.5	2.0	2.3	1.8	3.7	159	1.8	33	422	3.8	10
10	2.0	1.6	2.0	2.0	1.9	3.5	139	1.6	28	418	22	8.4
11	2.0	1.5	2.0	1.9	1.7	3.3	123	1.6	23	347	392	7.9
12	1.9	1.3	2.0	1.9	2.4	3.1	103	1.5	20	292	828	6.2
13	1.9	1.2	1.9	2.2	2.9	3.3	91	2.7	25	243	657	4.9
14	1.9	2.4	2.0	1.8	2.5	3.0	80	1.6	147	203	606	6.0
15	1.8	1.9	2.1	1.9	2.4	4.4	66	1.4	290	168	516	5.3
16	1.6	1.3	2.1	1.8	2.4	5.0	60	4.2	269	139	436	3.9
17	1.7	1.5	5.5	1.8	7.0	3.8	51	3.1	257	113	362	2.8
18	1.8	1.4	3.2	1.8	5.3	3.4	42	2.3	224	91	311	2.8
19	1.9	1.7	2.8	2.0	3.9	3.0	34	2.1	189	78	287	2.8
20	2.0	2.6	2.7	3.5	3.5	13	28	2.0	157	64	247	2.9
21	1.9	2.1	2.4	2.8	3.3	83	24	1.7	131	51	214	3.0
22	1.7	1.6	2.4	2.4	3.7	72	21	1.7	110	40	180	3.0
23	1.8	1.5	2.2	2.2	4.1	71	19	2.3	106	33	151	3.1
24	1.8	1.3	2.1	2.1	4.2	68	18	1.6	103	29	135	3.6
25	2.0	3.6	2.1	2.0	3.5	65	29	1.3	105	24	115	4.3
26	2.0	4.0	1.9	1.9	3.8	61	26	1.7	88	22	93	3.4
27	2.0	2.7	2.0	1.9	3.3	54	20	1.8	69	37	77	3.3
28	2.0	2.6	2.1	2.1	2.9	47	18	1.8	58	37	67	3.4
29	2.0	2.4	1.9	1.8	---	158	16	2.5	47	32	55	4.0
30	1.8	2.3	1.9	2.2	---	280	14	2.0	38	30	44	4.1
31	1.7	---	1.9	2.1	---	256	---	1.5	---	25	39	---
TOTAL	86.8	57.3	71.3	64.2	81.8	1315.0	3416	98.4	2944	5639	5932.4	279.1
MEAN	2.80	1.91	2.30	2.07	2.92	42.4	114	3.17	98.1	182	191	9.30
MAX	9.1	4.0	5.5	3.5	7.0	280	386	11	290	790	828	34
MIN	1.6	1.2	1.9	1.8	1.7	2.8	14	1.3	18	22	3.8	2.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001,[®] BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
MEAN	21.5	23.1	32.2	66.8	102	129	88.1	40.6	27.9	27.2	25.6	29.3										
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	.70	.81	1.40	2.07	1.37	1.66	1.13	1.56	.67	.34	.65	.88										
(WY)	1982	1992	1992	2001	1992	1992	1992	1992	1981	1981	1998	1981										

SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1981 - 2001 [®]
ANNUAL TOTAL	14137.27	19985.3	
ANNUAL MEAN	38.6	54.8	50.9
HIGHEST ANNUAL MEAN			126
LOWEST ANNUAL MEAN			2.47
HIGHEST DAILY MEAN	314	Feb 1	828
LOWEST DAILY MEAN	.57	Aug 25	1.2
ANNUAL SEVEN-DAY MINIMUM	.76	Aug 21	1.5
MAXIMUM PEAK FLOW			1410
MAXIMUM PEAK STAGE			9.25
INSTANTANEOUS LOW FLOW			1.2*
10 PERCENT EXCEEDS	147	181	155
50 PERCENT EXCEEDS	5.4	3.8	7.9
90 PERCENT EXCEEDS	1.6	1.8	.72

[®] Regulated period only (1981-2001).

* See REMARKS.

02102192 BUCKHORN CREEK NEAR CORINTH, NC--Continued

