

02102192 BUCKHORN CREEK NEAR CORINTH, NC

LOCATION.--Lat 35°33'35", long 78°58'24", 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 also occurred June 22, 23, 2002. Minimum discharge for current water year also occurred Oct. 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.57	0.99	23	182	45	510	205	107	61	37	8.7	90
2	0.56	0.80	19	197	44	596	184	96	52	96	28	74
3	0.54	0.75	17	199	42	530	165	87	43	230	33	65
4	0.52	0.72	14	192	43	464	147	80	39	220	28	58
5	0.51	0.78	62	176	43	418	133	70	36	197	43	58
6	0.44	7.8	98	162	43	598	127	72	30	173	48	49
7	0.44	9.6	106	145	114	562	139	67	32	149	47	41
8	0.44	8.7	101	129	123	488	154	61	55	129	387	48
9	0.46	8.4	96	117	118	430	298	56	58	114	634	50
10	0.49	8.5	88	107	132	379	820	51	51	102	593	42
11	137	9.7	93	95	143	333	982	43	42	83	583	34
12	5.0	39	99	84	137	295	833	38	41	75	499	32
13	0.90	122	168	73	127	265	699	32	50	67	431	26
14	0.56	112	248	67	118	261	591	26	46	65	414	23
15	0.45	101	231	62	114	235	506	22	48	58	399	20
16	1.1	96	212	55	116	312	438	23	55	49	349	29
17	0.73	134	192	53	121	291	382	23	54	45	322	27
18	0.50	167	174	47	116	271	335	23	48	41	345	46
19	0.41	149	162	42	135	251	294	30	99	37	318	67
20	0.37	133	195	37	148	466	257	27	143	31	291	60
21	2.1	118	212	36	148	558	228	24	140	26	257	54
22	2.3	103	199	33	300	499	209	63	123	22	230	49
23	1.2	86	185	37	463	440	182	107	107	19	213	80
24	0.84	73	200	31	417	388	155	109	91	17	190	78
25	0.75	63	268	28	374	337	141	104	78	14	162	69
26	0.79	55	271	26	335	296	146	106	65	11	141	62
27	0.69	48	250	27	408	267	150	100	55	8.8	122	55
28	0.76	37	228	23	563	236	135	87	46	6.5	106	48
29	1.5	31	208	22	---	215	124	75	39	5.6	93	41
30	1.9	26	188	28	---	229	124	68	33	13	77	32
31	1.6	---	169	45	---	230	---	62	---	8.8	107	---
TOTAL	166.42	1,749.74	4,776	2,557	5,030	11,650	9,283	1,939	1,860	2,149.7	7,498.7	1,507
MEAN	5.37	58.3	154	82.5	180	376	309	62.5	62.0	69.3	242	50.2
MAX	137	167	271	199	563	598	982	109	143	230	634	90
MIN	0.37	0.72	14	22	42	215	124	22	30	5.6	8.7	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003,[@] BY WATER YEAR (WY)

MEAN	20.1	24.0	36.4	68.2	104	135	95.8	39.9	28.2	27.8	33.9	29.0
MAX	137	146	154	241	348	421	312	184	138	182	242	335
(WY)	(2000)	(1996)	(2003)	(1984)	(1998)	(1998)	(1993)	(1989)	(1984)	(2001)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003 [@]	
ANNUAL TOTAL	12,752.03		50,166.56			
ANNUAL MEAN	34.9		137		53.2	
HIGHEST ANNUAL MEAN					137	
LOWEST ANNUAL MEAN					2.47	
HIGHEST DAILY MEAN	347	Jan 25	982	Apr 11	1,940	Sep 6, 1996
LOWEST DAILY MEAN	0.06	Jun 22	0.37	Oct 20	0.06	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	0.07	Jun 18	0.47	Oct 4	0.07	Jun 18, 2002
MAXIMUM PEAK FLOW			1,490	Apr 10	4,300	Sep 6, 1996
MAXIMUM PEAK STAGE			9.55	Apr 10	16.79	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.36*	Oct 20	0.05*	May 10, 1988
10 PERCENT EXCEEDS	134		359		162	
50 PERCENT EXCEEDS	2.2		80		8.5	
90 PERCENT EXCEEDS	0.32		6.1		0.70	

[@] Regulated period only (1981-2003).

* See REMARKS.

02102192 BUCKHORN CREEK NEAR CORINTH, NC—Continued

