

02102192 BUCKHORN CREEK NEAR CORINTH, NC

LOCATION.--Lat 35°33'35", 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 also occurred June 22, 23, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	4.7	3.5	36	19	120	33	16	35	29	6.6	184
2	24	4.2	3.9	33	19	113	30	89	28	26	6.8	162
3	18	3.8	2.6	30	35	105	28	200	24	23	7.5	140
4	15	3.6	3.0	28	45	95	27	176	46	20	3.9	120
5	13	3.4	5.5	27	45	87	23	155	58	17	4.5	102
6	11	3.7	4.5	31	47	82	21	138	49	14	21	91
7	10	5.8	3.4	26	94	80	18	125	43	11	8.6	86
8	11	7.3	2.8	24	97	78	17	114	37	8.0	6.1	116
9	14	8.8	2.6	e25	91	71	16	98	35	5.9	4.1	120
10	16	5.2	8.7	e26	86	70	15	82	33	5.9	3.1	105
11	15	3.7	33	e23	80	58	15	72	29	19	2.3	90
12	12	3.1	31	e21	105	53	20	66	37	34	3.1	76
13	11	4.5	33	19	128	47	25	62	30	40	6.9	65
14	11	2.6	84	18	125	41	30	53	25	31	54	58
15	14	2.2	104	18	133	42	30	46	22	26	110	61
16	10	2.2	104	16	149	67	27	41	20	21	147	54
17	8.9	2.2	114	15	148	87	24	36	21	17	131	90
18	11	2.2	120	18	143	90	22	32	18	19	117	169
19	7.2	5.6	112	21	136	111	20	31	17	16	150	170
20	6.1	9.9	103	19	126	105	19	45	18	13	141	143
21	5.1	8.7	92	17	118	101	16	34	13	10	122	122
22	5.3	8.7	83	16	107	91	14	30	10	7.8	162	104
23	4.0	7.6	76	15	96	78	12	25	8.6	16	147	92
24	3.0	7.0	74	14	88	69	11	42	7.9	15	128	79
25	2.8	8.4	68	15	83	62	9.0	35	9.9	10	108	69
26	3.0	5.4	62	19	75	57	7.9	30	15	7.0	91	60
27	3.8	4.9	56	17	95	51	11	25	16	5.6	77	54
28	5.9	4.9	51	16	103	48	7.9	21	16	4.5	65	59
29	12	5.0	47	e17	118	43	6.2	18	32	3.9	58	61
30	6.1	3.7	44	e19	---	38	5.1	39	31	5.4	153	55
31	5.1	---	40	21	---	36	---	39	---	4.4	200	---
TOTAL	321.3	153.0	1,571.5	660	2,734	2,276	560.1	2,015	784.4	485.4	2,245.5	2,957
MEAN	10.4	5.10	50.7	21.3	94.3	73.4	18.7	65.0	26.1	15.7	72.4	98.6
MAX	27	9.9	120	36	149	120	33	200	58	40	200	184
MIN	2.8	2.2	2.6	14	19	36	5.1	16	7.9	3.9	2.3	54
CFSM	0.14	0.07	0.66	0.28	1.24	0.96	0.24	0.85	0.34	0.21	0.95	1.29
IN.	0.16	0.07	0.77	0.32	1.33	1.11	0.27	0.98	0.38	0.24	1.09	1.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004,® BY WATER YEAR (WY)

MEAN	19.7	23.2	37.0	66.3	104	132	92.6	40.9	28.1	27.3	35.5	31.9
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)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004 [@]	
ANNUAL TOTAL	45,520.2		16,763.2		52.9	
ANNUAL MEAN	125		45.8		137	
HIGHEST ANNUAL MEAN					2.47	2003
LOWEST ANNUAL MEAN					1,940	1981
HIGHEST DAILY MEAN	982	Apr 11	200	May 3	0.06	Sep 6, 1996
LOWEST DAILY MEAN	2.2	Nov 15	2.2	Nov 15	0.07	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Nov 12	2.7	Nov 12	0.07	Jun 18, 2002
MAXIMUM PEAK FLOW			335	May 2	4,300	Sep 6, 1996
MAXIMUM PEAK STAGE			4.40	May 2	16.79	Sep 6, 1996
INSTANTANEOUS LOW FLOW			1.8	Aug 12	0.05*	May 10, 1988
ANNUAL RUNOFF (CFSM)	1.63		0.600		0.694	
ANNUAL RUNOFF (INCHES)	22.19		8.17		9.43	
10 PERCENT EXCEEDS	359		117		157	
50 PERCENT EXCEEDS	61		27		9.3	
90 PERCENT EXCEEDS	5.5		4.6		0.71	

[@] Regulated period only (1981-2004). See REMARKS.

* See REMARKS.

e Estimated.

