

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 Sept. 10-13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	8.4	12	4.3	35	131	116	25	0.86	0.32	0.51	0.27
2	45	9.3	10	4.1	33	123	110	24	2.1	0.28	0.23	0.28
3	42	9.4	8.8	3.7	41	114	105	22	1.7	1.0	0.20	0.27
4	38	11	7.3	3.3	60	102	95	20	1.2	0.35	0.20	0.24
5	34	12	6.1	3.0	58	95	85	18	1.0	0.26	0.22	0.19
6	26	8.5	5.5	2.9	55	84	74	26	0.85	0.23	0.20	0.13
7	21	9.2	6.3	4.6	51	75	67	19	0.97	0.23	0.19	0.09
8	17	10	6.4	2.6	48	114	70	17	1.0	0.77	0.20	0.08
9	14	8.3	6.8	3.3	45	139	107	15	0.81	0.26	0.25	0.06
10	12	6.0	16	2.8	44	131	93	12	0.86	0.19	0.27	0.06
11	11	5.6	15	2.2	38	119	84	11	0.77	0.18	0.24	0.06
12	8.2	7.6	14	1.8	34	109	76	9.5	0.71	0.18	0.21	0.06
13	7.4	16	13	2.0	31	100	124	8.7	0.65	0.19	0.20	0.06
14	7.5	8.6	12	6.2	30	104	140	6.5	0.68	0.20	0.18	0.07
15	6.9	5.2	11	4.8	30	96	133	5.5	0.60	0.18	0.17	0.08
16	6.0	5.0	7.4	6.7	28	128	115	6.5	0.55	0.16	0.16	0.10
17	6.8	5.5	6.6	6.8	28	282	95	4.4	0.51	0.15	0.41	0.21
18	5.1	6.4	6.2	6.2	25	284	84	3.1	0.47	0.16	0.22	0.18
19	5.0	6.5	6.1	5.4	22	261	74	2.2	0.44	0.26	0.23	0.14
20	6.6	6.5	7.2	5.0	20	238	66	2.7	0.49	0.26	0.31	0.20
21	6.3	6.9	3.4	4.7	21	218	59	4.1	0.45	0.18	0.30	1.00
22	6.2	7.0	3.3	4.2	21	197	52	1.8	0.41	0.22	0.26	0.37
23	6.6	12	5.8	4.4	20	203	45	1.5	0.44	0.55	0.36	0.32
24	6.3	13	10	3.3	41	206	38	2.3	0.43	0.21	0.42	0.33
25	7.5	14	6.9	3.0	53	190	32	1.7	0.39	0.21	0.40	0.32
26	7.4	11	9.0	2.8	50	172	28	1.1	0.40	0.20	0.34	0.31
27	7.3	9.8	6.5	2.8	49	155	26	1.0	0.40	0.18	0.33	0.35
28	8.4	18	5.0	2.4	110	147	23	0.94	0.43	0.20	0.30	0.32
29	9.1	14	4.6	2.1	---	146	21	0.91	0.79	0.65	0.31	0.25
30	11	12	5.0	3.5	---	133	20	0.86	0.56	0.44	0.31	0.22
31	9.6	---	4.4	3.7	---	123	---	0.87	---	0.42	0.32	---
TOTAL	455.2	282.7	247.6	820.6	1,121	4,719	2,257	275.18	21.92	9.27	8.45	6.62
MEAN	14.7	9.42	7.99	26.5	40.0	152	75.2	8.88	0.73	0.30	0.27	0.22
MAX	50	18	16	68	110	284	140	26	2.1	1.0	0.51	1.0
MIN	5.0	5.0	3.3	1.8	20	75	20	0.86	0.39	0.15	0.16	0.06
CFSM	0.19	0.12	0.10	0.35	0.52	2.00	0.99	0.12	0.01	0.00	0.00	0.00
IN.	0.22	0.14	0.12	0.40	0.55	2.30	1.10	0.13	0.01	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, @ BY WATER YEAR (WY)

MEAN	19.5	22.7	35.9	64.7	101	133	91.9	39.6	27.0	26.2	34.1	30.6
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	0.30	0.27	0.22
(WY)	(1982)	(1992)	(1992)	(2001)	(1992)	(1992)	(1992)	(2002)	(1981)	(2005)	(2005)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005 [@]	
ANNUAL TOTAL	15,702.9		10,224.54		51.9	
ANNUAL MEAN	42.9		28.0		137	
HIGHEST ANNUAL MEAN					2.47	2003
LOWEST ANNUAL MEAN					1,940	1981
HIGHEST DAILY MEAN	200	May 3	284	Mar 18	1,940	Sep 6, 1996
LOWEST DAILY MEAN	2.3	Aug 11	0.06	Sep 9	0.06	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	4.9	Aug 7	0.06	Sep 8	0.06	Sep 8, 2005
MAXIMUM PEAK FLOW			303	Mar 17	4,300	Sep 6, 1996
MAXIMUM PEAK STAGE			4.18	Mar 17	16.79	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.05*	Sep 9	0.05*	May 10, 1988
ANNUAL RUNOFF (CFSM)	0.562		0.367		0.681	
ANNUAL RUNOFF (INCHES)	7.66		4.98		9.25	
10 PERCENT EXCEEDS	116		98		153	
50 PERCENT EXCEEDS	23		6.6		9.1	
90 PERCENT EXCEEDS	6.3		0.20		0.68	

[@] Regulated period only (1981-2005). See REMARKS.

* See REMARKS.

