



Water-Data Report 2010

02102192 BUCKHORN CREEK NEAR CORINTH, NC

Cape Fear Basin
Upper Cape Fear Subbasin

LOCATION.--Lat 35°33'35", long 78°58'25" referenced to North American Datum of 1983, Chatham County, NC, Hydrologic Unit 03030004, on left bank, upstream of bridge on North Carolina 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.

SURFACE-WATER RECORDS

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 streamgage.

REMARKS.--No estimated daily discharges. Records poor. Since December 1, 1980, considerable regulation by Harris Lake. Maximum discharge prior to regulation: 6,920 ft³/s, February 2, 1973; gage height: 20.02 ft. Minimum discharge prior to regulation: 0.01 ft³/s, September 2, 1976. Minimum discharge for period of record, no flow, occurs at times, some years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.80	1.7	15	109	155	66	105	3.3	8.5	0.52	1.3	0.26
2	0.80	1.8	63	100	150	64	97	2.8	3.8	0.51	0.87	0.25
3	0.76	1.3	358	87	173	73	87	2.6	4.9	0.42	0.62	0.24
4	0.83	1.2	263	78	187	75	79	3.2	3.1	0.41	0.59	0.22
5	1.0	0.85	263	71	396	70	72	2.7	2.4	0.39	0.57	0.19
6	1.3	0.67	245	64	651	64	64	2.1	1.7	0.37	1.3	0.19
7	1.4	0.66	216	58	555	59	57	2.2	3.4	0.34	0.75	0.18
8	1.3	0.71	195	54	490	55	49	2.1	2.1	0.35	0.60	0.19
9	1.3	0.68	320	47	448	50	60	2.5	1.1	1.1	0.45	0.19
10	1.4	0.87	310	43	437	46	51	1.3	0.83	0.77	0.38	0.17
11	1.5	61	270	38	385	46	45	1.2	0.87	0.59	0.37	0.17
12	1.8	135	234	35	334	55	41	1.5	0.82	0.50	0.35	0.18
13	2.1	82	219	31	302	86	35	1.5	2.2	0.56	0.34	0.17
14	2.3	68	206	29	267	91	32	1.3	1.3	0.60	0.31	0.16
15	2.8	60	187	27	238	87	26	1.3	0.89	0.55	0.28	0.15
16	2.7	56	166	25	213	81	23	1.6	0.78	0.48	0.27	0.16
17	2.5	52	148	62	188	71	20	3.6	0.78	2.9	0.26	0.15
18	2.2	49	137	101	166	65	19	4.4	0.73	3.5	0.26	0.14
19	2.1	44	199	98	148	58	15	4.1	0.67	1.1	0.34	0.13
20	1.6	41	195	93	133	52	13	2.5	0.65	0.80	6.3	0.13
21	1.5	35	174	106	120	45	12	1.8	0.60	0.59	0.89	0.13
22	1.6	31	157	215	114	38	11	1.8	0.48	0.50	0.67	0.11
23	1.4	37	141	192	112	34	9.5	2.3	0.53	0.51	1.3	0.12
24	1.4	36	128	176	106	31	8.5	2.8	0.52	0.50	6.1	0.12
25	1.5	32	138	277	100	28	9.8	4.5	0.41	0.45	4.4	0.11
26	1.3	27	169	277	89	28	9.2	4.4	0.39	0.42	0.82	0.16
27	1.2	24	157	247	82	25	8.5	1.9	0.36	1.0	0.44	2.0
28	1.4	20	144	219	74	21	7.2	2.0	0.37	1.1	0.36	1.1
29	1.2	17	129	197	---	102	5.1	4.5	0.33	0.55	0.33	1.2
30	0.97	15	115	198	---	124	3.9	2.3	0.42	0.45	0.29	41
31	0.99	---	114	176	---	115	---	1.7	---	0.44	0.26	---
Total	46.95	932.44	5,775	3,530	6,813	1,905	1,074.7	77.8	45.93	23.27	32.37	49.67
Mean	1.51	31.1	186	114	243	61.5	35.8	2.51	1.53	0.75	1.04	1.66
Max	2.8	135	358	277	651	124	105	4.5	8.5	3.5	6.3	41
Min	0.76	0.66	15	25	74	21	3.9	1.2	0.33	0.34	0.26	0.11
Cfsm	0.02	0.41	2.44	1.49	3.19	0.81	0.47	0.03	0.02	0.01	0.01	0.02
In.	0.02	0.45	2.82	1.72	3.32	0.93	0.52	0.04	0.02	0.01	0.02	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2010 ^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	16.5	23.4	40.5	64.4	94.7	123	86.3	36.0	33.6	23.1	28.5	26.0
Max	137	146	186	241	348	421	312	184	328	182	242	335
(WY)	(2000)	(1996)	(2010)	(1984)	(1998)	(1998)	(1993)	(1989)	(2006)	(2001)	(2003)	(1996)
Min	0.31	0.37	1.40	1.53	1.37	1.66	1.13	1.48	0.39	0.10	0.02	0.22
(WY)	(2006)	(2006)	(1992)	(2008)	(1992)	(1992)	(1992)	(2002)	(2008)	(2008)	(2009)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1981 - 2010 ^a	
Annual total	17,759.18		20,306.13			
Annual mean	48.7		55.6		49.4	
Highest annual mean					137	2003
Lowest annual mean					2.47	1981
Highest daily mean	377	Mar 29	651	Feb 6	1,940	Sep 6, 1996
Lowest daily mean	0.00	Aug 13	0.11	Sep 22	0.00	Aug 13, 2009
Annual seven-day minimum	0.00	Aug 13	0.12	Sep 19	0.00	Aug 13, 2009
Maximum peak flow			978	Feb 5	4,300	Sep 6, 1996
Maximum peak stage			7.50	Feb 5	16.79	Sep 6, 1996
Instantaneous low flow			0.10	Sep 26	^b 0.00	Aug 14, 2009
10 percent exceeds	166		187		147	
50 percent exceeds	12		3.8		7.8	
90 percent exceeds	0.00		0.34		0.53	

^a Regulated period only (1981-2010). See Remarks.

^b See Remarks.

