

## 02091500 CONTENTNEA CREEK AT HOOKERTON, NC

LOCATION.--Lat 35°25'44", long 77°34'57", Greene County, Hydrologic Unit 03020203, on left bank at bridge on State Highway 123 at Hookerton, and 2.2 mi upstream from Wheat Swamp Creek.

DRAINAGE AREA.--733 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1928 to current year.

REVISED RECORDS.--WSP 1333: 1903-35. WSP 1383: Drainage area. WSP 1503: 1951. WSP 1723: 1932. WDR NC-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.85 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 26, 1934, nonrecording gage at site 1,400 ft upstream and Nov. 27, 1934, to Sept. 30, 1987, water-stage recorder at site 0.3 mi upstream at present datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Buckhorn Reservoir (station 02090370) since September 1976. Maximum gage height for period of record from high-water mark inside gage house. Minimum discharge for current water year occurred Sept. 14.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1928 reached a stage of 23.3 ft, from floodmark; high water of autumn 1924 was about 0.1 ft lower, from information by local resident.

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	411	193	862	633	629	802	1,350	302	195	234	1,030	57
2	406	190	909	710	704	845	1,360	291	193	214	896	53
3	403	189	952	775	757	901	1,430	277	202	183	553	50
4	402	190	932	822	792	970	1,450	271	222	155	329	47
5	409	191	831	836	804	1,010	1,440	263	239	127	236	43
6	416	195	687	800	817	1,010	1,450	493	263	127	183	41
7	396	205	563	735	836	904	1,500	1,190	364	117	159	40
8	363	211	486	661	839	747	1,520	1,440	435	121	138	41
9	322	211	444	598	799	636	1,410	1,640	496	111	139	41
10	284	198	445	547	731	610	1,230	1,800	568	94	363	42
11	253	185	486	501	652	655	1,040	1,950	584	86	464	41
12	227	184	542	460	600	703	880	1,970	596	78	335	40
13	221	323	587	426	560	705	884	1,750	523	80	211	39
14	216	497	602	458	524	675	1,320	1,230	415	116	157	47
15	228	603	583	684	474	631	1,500	802	328	143	129	78
16	317	629	537	841	439	605	1,730	566	262	150	111	110
17	390	610	487	1,000	423	835	2,050	473	216	146	124	121
18	470	564	429	1,160	420	1,050	2,420	438	184	124	131	107
19	533	492	378	1,350	410	1,240	2,560	432	159	96	240	95
20	519	419	350	1,520	396	1,470	2,360	459	137	85	244	105
21	437	364	335	1,620	383	1,760	1,800	483	122	119	187	111
22	359	325	334	1,570	365	2,060	1,310	514	108	156	143	101
23	310	329	354	1,380	349	2,340	938	604	97	392	116	101
24	279	397	343	1,060	369	2,510	683	705	86	498	102	106
25	258	513	324	922	454	2,380	559	737	78	476	91	91
26	244	633	349	798	568	2,100	472	599	75	314	84	74
27	231	711	408	714	654	1,850	426	445	72	217	77	65
28	220	786	461	620	736	1,730	382	362	71	158	71	57
29	213	829	507	551	---	1,650	340	297	105	146	67	50
30	207	842	546	536	---	1,550	312	252	189	207	63	46
31	200	---	574	568	---	1,430	---	218	---	402	61	---
TOTAL	10,144	12,208	16,627	25,856	16,484	38,364	38,106	23,253	7,584	5,672	7,234	2,040
MEAN	327	407	536	834	589	1,238	1,270	750	253	183	233	68.0
MAX	533	842	952	1,620	839	2,510	2,560	1,970	596	498	1,030	121
MIN	200	184	324	426	349	605	312	218	71	78	61	39
CFSM	0.45	0.56	0.73	1.14	0.80	1.69	1.73	1.02	0.34	0.25	0.32	0.09
IN.	0.51	0.62	0.84	1.31	0.84	1.95	1.93	1.18	0.38	0.29	0.37	0.10

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	504	474	689	1,109	1,370	1,443	1,038	596	461	544	632	634
MAX	4,798	2,150	2,349	2,626	4,316	3,491	2,752	3,363	1,770	2,203	2,422	8,825
(WY)	(2000)	(1948)	(1949)	(1993)	(1948)	(1989)	(1989)	(1989)	(1995)	(1929)	(1960)	(1999)
MIN	20.3	41.1	64.7	92.5	239	382	202	82.9	38.5	63.3	37.2	24.9
(WY)	(1955)	(1955)	(1934)	(1934)	(1934)	(1981)	(1986)	(1986)	(1986)	(1952)	(1954)	(1954)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	248,987		203,572			
ANNUAL MEAN	680		558		779	
HIGHEST ANNUAL MEAN					1,422	1960
LOWEST ANNUAL MEAN					242	1951
HIGHEST DAILY MEAN	3,380	May 8	2,560	Apr 19	31,500	Sep 19, 1999
LOWEST DAILY MEAN	106	Jul 23	39	Sep 13	15	Oct 28, 1933
ANNUAL SEVEN-DAY MINIMUM	136	Jul 18	41	Sep 7	16	Oct 8, 1954
MAXIMUM PEAK FLOW			2,590	Apr 19	31,900	Sep 18, 1999
MAXIMUM PEAK STAGE			12.73	Apr 19	28.28*	Sep 18, 1999
INSTANTANEOUS LOW FLOW			38*	Sep 13	15	Oct 28, 1933
ANNUAL RUNOFF (CFSM)	0.928		0.761		1.06	
ANNUAL RUNOFF (INCHES)	12.64		10.33		14.44	
10 PERCENT EXCEEDS	1,400		1,370		1,890	
50 PERCENT EXCEEDS	516		420		445	
90 PERCENT EXCEEDS	191		91		87	

\* See REMARKS.

