

02091737 LITTLE CONTENTNEA CREEK NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'30", long 77°31'15", Greene County, Hydrologic Unit 03020203, at bridge on Secondary Road 1343, 0.3 mi downstream from Middle Swamp, and 0.7 mi northeast of Willow Green.

DRAINAGE AREA.--145 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to September 2002 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 45 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Maximum gage height for period probably occurred on Sept. 17, 1999. Maximum gage height from floodmarks. Minimum instantaneous discharge for period of record and the current year was not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	3.5	7.1	7.4	84	17	648	12	4.4	3.2	6.0	2.5
2	6.5	3.5	7.3	7.5	67	24	918	11	5.0	2.9	4.9	2.7
3	6.3	3.6	7.2	8.4	56	120	628	11	4.9	2.6	4.0	3.0
4	6.2	3.8	7.0	8.8	54	204	428	12	4.3	2.3	3.6	3.0
5	6.1	3.8	7.0	9.0	38	161	310	16	3.8	2.2	3.5	2.8
6	6.1	3.9	7.1	13	31	110	211	16	3.4	3.4	3.2	2.6
7	6.5	3.9	7.1	79	70	72	150	15	5.0	3.8	3.0	2.3
8	5.9	3.9	7.3	155	211	53	107	15	4.8	3.3	2.8	2.1
9	5.4	4.0	7.3	126	278	41	74	14	4.6	2.9	2.6	1.9
10	5.1	4.0	7.3	108	228	34	101	13	4.5	2.5	2.3	1.9
11	5.1	4.1	7.2	97	197	28	254	13	4.1	2.2	2.1	2.3
12	5.1	4.1	7.3	89	181	24	307	12	3.7	2.0	2.0	2.2
13	5.1	4.1	7.2	143	153	42	219	12	3.2	1.8	1.8	2.0
14	5.1	4.1	7.2	218	124	89	172	24	2.8	2.0	1.7	1.8
15	5.5	4.2	7.5	189	94	123	155	33	3.8	54	1.7	1.9
16	5.4	4.2	7.6	150	72	113	142	31	4.2	147	1.7	2.3
17	5.4	4.1	7.6	122	57	78	134	21	3.9	59	1.5	2.2
18	5.1	4.3	8.0	103	43	57	113	17	3.4	16	1.4	3.2
19	4.8	4.3	8.0	82	34	45	83	17	3.1	8.7	1.3	3.7
20	4.6	4.5	7.8	119	30	39	73	15	2.9	6.4	1.3	3.5
21	4.4	4.6	7.7	210	30	39	61	13	2.6	5.3	1.3	3.2
22	4.3	4.6	7.5	207	29	48	54	11	2.4	4.6	1.3	3.0
23	4.3	4.8	7.6	194	29	56	43	9.9	2.5	4.2	1.2	2.9
24	4.2	5.6	7.7	442	28	48	33	8.4	2.5	4.3	1.2	2.9
25	4.2	6.4	7.7	573	24	37	26	7.1	2.1	4.7	1.1	2.9
26	4.0	6.1	7.6	430	22	30	21	6.1	1.9	6.4	1.3	4.0
27	3.8	6.3	7.5	276	21	35	19	5.4	1.9	7.8	1.5	5.7
28	3.5	6.7	7.4	193	18	90	16	5.0	2.2	8.5	1.8	5.7
29	3.3	6.8	7.5	147	---	92	15	4.7	3.9	8.6	2.1	4.9
30	3.4	6.9	7.4	119	---	63	13	4.6	3.7	9.4	2.3	4.1
31	3.4	---	7.3	101	---	112	---	4.4	---	7.9	2.3	---
TOTAL	154.9	138.7	230.0	4726.1	2303	2124	5528	409.6	105.5	399.9	69.8	89.2
MEAN	4.997	4.623	7.419	152.5	82.25	68.52	184.3	13.21	3.517	12.90	2.252	2.973
MAX	6.8	6.9	8.0	573	278	204	918	33	5.0	147	6.0	5.7
MIN	3.3	3.5	7.0	7.4	18	17	13	4.4	1.9	1.8	1.1	1.8
CFSM	0.03	0.03	0.05	1.05	0.57	0.47	1.27	0.09	0.02	0.09	0.02	0.02
IN.	0.04	0.04	0.06	1.21	0.59	0.54	1.42	0.11	0.03	0.10	0.02	0.02

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
MEAN	248.4	43.85	37.25	145.3	152.7	104.3	116.7	33.63	65.39	25.16	27.58	420.1
MAX	721	106	52.3	254	307	129	184	67.0	187	48.6	46.6	1493
(WY)	2000	2000	2000	2000	2000	2001	2002	1999	2001	2001	2001	1999
MIN	5.00	4.62	7.42	29.4	62.9	68.5	79.6	13.2	3.52	12.9	2.25	2.97
(WY)	2002	2002	2002	2001	2001	2002	2001	2002	2002	2002	2002	2002

## SUMMARY STATISTICS

## FOR 2001 CALENDAR YEAR

## FOR 2002 WATER YEAR

## WATER YEARS 1999 - 2002

ANNUAL TOTAL	19234.0	16278.7		
ANNUAL MEAN	52.70	44.60		88.46
HIGHEST ANNUAL MEAN				162
LOWEST ANNUAL MEAN				44.6
HIGHEST DAILY MEAN	972	Jun 17	918	Apr 2
LOWEST DAILY MEAN	3.3	Oct 29	1.1	Aug 25
ANNUAL SEVEN-DAY MINIMUM	3.5	Oct 28	1.2	Aug 19
MAXIMUM PEAK FLOW			1000	Apr 2
MAXIMUM PEAK STAGE			11.51	Apr 2
INSTANTANEOUS LOW FLOW				22.78*
ANNUAL RUNOFF (CFSM)	0.36		NOT DETERMINED*	NOT DETERMINED*
ANNUAL RUNOFF (INCHES)	4.93		0.31	0.61
10 PERCENT EXCEEDS	121		4.18	8.29
50 PERCENT EXCEEDS	24		137	200
90 PERCENT EXCEEDS	5.0		7.1	30
			2.3	4.0

\* See REMARKS.

02091737 LITTLE CONTENTNEA CREEK NEAR WILLOW GREEN, NC--Continued

