

NEUSE RIVER BASIN

02091737 LITTLE CONTENTINEA 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 45 ft above sea level, 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 the current year was not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	e4.5	48	e28	24	71	197	9.6	40	38	30	26
2	76	e3.6	43	e27	22	65	281	8.8	93	28	27	30
3	53	e3.3	42	e26	21	60	384	8.7	152	23	25	28
4	40	e3.6	48	e26	22	75	321	9.0	141	20	23	26
5	33	e5.1	54	e26	27	158	227	9.1	81	80	22	26
6	28	e5.4	59	e27	46	199	168	9.2	46	407	21	25
7	26	e5.0	60	e26	69	163	131	8.7	35	265	19	24
8	24	e5.4	61	e30	62	121	111	8.1	29	101	19	22
9	21	e5.7	65	e33	49	90	81	7.7	28	51	19	22
10	21	e7.0	66	e28	41	70	64	8.0	27	38	18	26
11	e15	e8.0	62	e27	37	58	50	8.4	30	30	18	26
12	e12	e8.4	66	e25	31	48	42	8.8	27	25	39	26
13	e10	e8.4	61	e24	29	47	38	9.3	24	21	76	26
14	e8.0	e11	60	e21	30	43	33	9.5	35	20	136	26
15	e7.0	e10	57	e23	38	43	28	9.6	214	18	138	e22
16	e6.6	e9.0	61	e24	38	54	24	9.9	741	17	105	e18
17	e6.0	e10	59	e23	45	65	21	10	972	15	58	e16
18	e6.0	e9.0	58	e22	92	60	20	11	836	13	40	e14
19	e5.7	e11	61	e21	110	50	21	12	615	13	40	e14
20	e5.4	e22	59	42	87	43	20	13	411	13	41	e11
21	e5.4	e25	55	48	67	146	18	19	198	14	85	e10
22	e5.4	e39	53	52	63	503	15	22	94	14	128	8.8
23	e5.4	e27	50	44	124	496	12	23	56	15	77	8.7
24	e5.4	e25	49	38	162	360	9.9	27	55	16	44	9.0
25	e5.1	46	48	34	134	218	9.2	28	88	19	33	11
26	e5.4	54	e39	29	111	150	11	31	66	20	26	9.5
27	e5.4	68	e36	30	97	112	13	39	121	24	23	8.4
28	e6.0	72	e36	32	82	84	14	37	172	33	26	9.1
29	e4.8	68	e36	26	---	76	13	47	112	42	30	8.0
30	e4.2	58	e33	24	---	112	11	50	58	39	30	7.4
31	e4.2	---	e29	24	---	166	---	44	---	34	28	---
TOTAL	587.4	637.4	1614	910	1760	4006	2388.1	555.4	5597	1506	1444	543.9
MEAN	18.9	21.2	52.1	29.4	62.9	129	79.6	17.9	187	48.6	46.6	18.1
MAX	127	72	66	52	162	503	384	50	972	407	138	30
MIN	4.2	3.3	29	21	21	43	9.2	7.7	24	13	18	7.4
CFSM	.13	.15	.36	.20	.43	.89	.55	.12	1.29	.34	.32	.13
IN.	.15	.16	.41	.23	.45	1.03	.61	.14	1.44	.39	.37	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	370	63.5	52.2	142	187	122	94.2	40.4	86.0	29.2	36.0	559
MAX	721	106	52.3	254	307	129	115	67.0	187	48.6	46.6	1493
(WY)	2000	2000	2000	2000	2000	2001	2000	1999	2001	2001	2001	1999
MIN	18.9	21.2	52.1	29.4	62.9	115	79.6	17.9	17.0	18.9	30.3	18.1
(WY)	2001	2001	2001	2001	2001	2000	2001	2001	2000	2000	1999	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1999 - 2001

ANNUAL TOTAL	34813.3	21549.2		
ANNUAL MEAN	95.1	59.0	110	
HIGHEST ANNUAL MEAN			162	2000
LOWEST ANNUAL MEAN			59.0	2001
HIGHEST DAILY MEAN	1050	Jan 26	6300	Sep 17 1999
LOWEST DAILY MEAN	3.3	Nov 3	e3.3	Nov 3 2000
ANNUAL SEVEN-DAY MINIMUM	4.0	Oct 29	4.0	Oct 29 2000
MAXIMUM PEAK FLOW			984	Jun 17 1999
MAXIMUM PEAK STAGE			11.45	Jun 17 1999
INSTANTANEOUS LOW FLOW			NOT DETERMINED*	9.0*
ANNUAL RUNOFF (CFSM)	.66		.41	.76
ANNUAL RUNOFF (INCHES)	8.93		5.53	10.34
10 PERCENT EXCEEDS	255		122	274
50 PERCENT EXCEEDS	40		29	42
90 PERCENT EXCEEDS	8.0		8.4	11

e Estimated.
* See REMARKS.

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

