

NEUSE RIVER BASIN

02091736 MIDDLE SWAMP NEAR FARMVILLE, NC

LOCATION.--Lat 35°32'00", long 77°32'40", Pitt County, Hydrologic Unit 03020203, at bridge on Secondary Road 1139, 1.2 mi above mouth and 5 mi southeast of Farmville.

DRAINAGE AREA.-- 51.0 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 45 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair. Maximum gage height for period or record probably occurred on Sept. 17, 1999, discharge not determined. Maximum gage height from floodmarks. Minimum instantaneous discharge for current water year also occurred on May 25. Minimum instantaneous discharge for period of record also occurred on June 10, 1999.

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	37	1.5	13	9.1	6.3	24	84	1.6	8.6	6.0	5.1	4.4
2	24	1.2	8.0	8.8	5.8	19	126	1.3	55	4.0	3.4	14
3	17	1.1	8.9	8.5	5.2	16	127	1.1	81	2.6	2.1	8.4
4	14	1.2	15	8.4	5.3	39	98	.98	33	2.0	1.5	7.5
5	11	1.6	18	8.6	12	86	74	.87	14	40	1.2	7.6
6	10	1.8	20	8.9	19	78	53	.99	7.4	65	.86	6.4
7	11	1.7	21	8.8	17	52	35	.85	5.0	23	.75	4.4
8	9.5	1.7	21	9.9	14	35	27	.74	4.1	12	.63	3.0
9	7.8	1.8	23	11	11	27	22	.72	4.1	8.7	.52	3.0
10	6.7	2.2	24	9.5	12	22	17	.60	4.7	6.4	.52	3.4
11	5.0	2.5	24	8.9	9.3	19	13	.52	4.9	4.6	.51	3.1
12	3.9	2.7	25	8.4	7.9	16	11	.50	3.2	3.9	23	2.7
13	3.3	2.6	22	7.9	9.8	15	10	.55	2.4	3.1	32	2.2
14	2.8	3.5	21	6.9	10	13	8.9	.45	9.1	2.7	51	1.8
15	2.4	3.2	20	7.8	14	15	7.4	.37	137	2.1	67	1.4
16	2.2	2.7	27	8.0	12	22	6.7	.32	222	1.5	44	1.1
17	2.0	3.0	20	7.8	23	23	5.1	.32	242	1.2	24	.84
18	2.0	2.6	21	7.3	47	19	5.2	.36	187	.97	16	.62
19	1.9	3.4	25	7.1	34	16	5.5	.38	134	.92	15	.59
20	1.8	7.0	24	12	25	15	5.1	.49	81	.86	20	.52
21	1.8	8.2	20	17	20	128	4.3	.68	35	.77	24	.47
22	1.8	13	18	16	26	201	3.3	.52	17	.69	30	.45
23	1.8	8.9	16	13	75	143	2.6	.45	9.8	.61	20	.42
24	1.8	8.3	19	11	64	108	2.1	.38	16	.58	12	.57
25	1.7	16	15	9.2	42	83	2.2	.32	12	.63	7.9	1.3
26	1.7	23	12	8.3	36	63	2.8	.87	17	.59	4.6	1.1
27	1.7	32	12	12	30	44	2.9	2.7	49	1.3	2.8	.87
28	2.0	38	12	8.4	26	35	3.0	4.9	27	1.9	4.6	.71
29	1.6	34	11	6.6	---	36	2.4	13	16	1.6	6.6	.64
30	1.4	23	10	6.5	---	67	1.8	16	9.6	5.6	6.5	.60
31	1.3	---	9.5	6.5	---	79	---	11	---	4.8	5.7	---
TOTAL	193.9	253.4	555.4	288.1	618.6	1558	768.3	64.83	1447.9	210.62	433.79	84.10
MEAN	6.25	8.45	17.9	9.29	22.1	50.3	25.6	2.09	48.3	6.79	14.0	2.80
MAX	37	38	27	17	75	201	127	16	242	65	67	14
MIN	1.3	1.1	8.0	6.5	5.2	13	1.8	.32	2.4	.58	.51	.42
CFSM	.12	.17	.35	.18	.43	.99	.50	.04	.95	.13	.27	.05
IN.	.14	.18	.41	.21	.45	1.14	.56	.05	1.06	.15	.32	.06

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

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	86.3	24.5	16.9	50.2	60.9	43.9	29.1	14.0	21.4	3.91	6.60	176
MAX	166	40.5	17.9	91.1	98.3	50.3	41.5	26.8	48.3	6.79	14.0	462
(WY)	2000	2000	2001	2000	2000	2001	2000	1999	2001	2001	2001	1999
MIN	6.25	8.45	15.9	9.29	22.1	39.6	20.1	2.09	1.78	1.77	.16	2.80
(WY)	2001	2001	2000	2001	2001	2000	1999	2001	2000	2000	1999	2001

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

ANNUAL TOTAL	11708.79	6476.94	
ANNUAL MEAN	32.0	17.7	43.6
HIGHEST ANNUAL MEAN			81.7
LOWEST ANNUAL MEAN			17.7
HIGHEST DAILY MEAN	303	Jan 31	242
LOWEST DAILY MEAN	.17	Jun 21	.32
ANNUAL SEVEN-DAY MINIMUM	.21	Jul 18	.38
MAXIMUM PEAK FLOW			253
MAXIMUM PEAK STAGE			8.19
INSTANTANEOUS LOW FLOW			.30*
ANNUAL RUNOFF (CFSM)	.63		.35
ANNUAL RUNOFF (INCHES)	8.54		4.72
10 PERCENT EXCEEDS	98		39
50 PERCENT EXCEEDS	9.3		8.0
90 PERCENT EXCEEDS	.89		.73

* See REMARKS.

02091736 MIDDLE SWAMP NEAR FARMVILLE, NC--Continued

