

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 NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum gage height for period or record probably occurred on Sept. 17, 1999, discharge not determined. Maximum gage height from floodmarks. No flow also occurred on June 10, 1999 and on several days in Sept. 2002.

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	0.55	0.36	0.62	0.41	16	5.8	283	2.5	0.66	0.44	8.9	0.04
2	0.50	0.59	0.62	0.40	12	13	219	2.2	1.9	0.32	4.2	0.04
3	0.48	0.58	0.63	0.49	12	78	146	1.9	0.76	0.25	2.7	0.05
4	0.44	0.32	0.60	0.67	13	68	135	2.6	0.61	0.16	2.1	0.03
5	0.41	0.29	0.59	0.83	9.7	32	108	5.0	0.54	0.16	1.4	0.02
6	0.47	0.26	0.51	4.7	8.6	20	76	4.9	0.28	0.75	0.88	0.00
7	0.57	0.27	0.48	34	41	15	48	3.9	1.2	0.35	0.53	0.00
8	0.54	0.28	0.48	39	104	12	32	3.3	0.83	0.23	0.32	0.00
9	0.49	0.31	0.52	22	93	10	24	3.1	0.55	0.17	0.23	0.00
10	0.50	0.32	0.50	16	67	8.9	50	2.5	0.35	0.14	0.11	0.00
11	0.48	0.29	0.70	12	68	7.5	124	2.0	0.24	0.15	0.05	0.00
12	0.62	0.28	0.65	8.9	65	6.9	127	1.6	0.17	0.13	0.03	0.00
13	0.76	0.28	0.55	60	47	16	93	1.6	0.12	0.13	0.03	0.00
14	0.70	0.27	0.58	76	33	32	70	9.0	0.19	0.58	0.02	0.00
15	0.69	0.29	0.53	48	24	25	60	10	1.0	41	0.03	0.00
16	0.59	0.27	0.50	31	20	18	53	10	0.64	99	0.03	0.00
17	0.58	0.26	0.50	21	16	15	43	6.6	0.39	55	0.02	0.00
18	0.55	0.27	0.61	14	12	13	36	5.5	0.29	24	0.01	0.00
19	0.49	0.27	0.54	12	9.4	12	29	7.1	0.24	13	0.01	0.00
20	0.50	0.27	0.51	58	8.4	12	30	7.3	0.24	7.3	0.02	0.00
21	0.45	0.25	0.47	84	8.8	14	26	5.3	0.23	4.2	0.03	0.00
22	0.43	0.23	0.43	70	9.0	18	24	3.7	0.26	2.4	0.02	0.00
23	0.46	0.24	0.44	83	9.2	17	18	2.4	0.20	1.6	0.01	0.00
24	0.48	0.43	0.47	172	8.5	13	13	1.7	0.21	1.1	0.01	0.00
25	0.54	0.48	0.46	149	7.2	11	8.9	1.2	0.17	1.6	0.01	0.00
26	0.56	0.48	0.46	107	6.8	9.6	6.3	0.88	0.16	3.1	0.01	0.00
27	0.55	0.50	0.42	74	5.8	18	5.0	0.72	0.15	4.2	0.01	0.00
28	0.46	0.50	0.41	49	4.6	43	4.4	0.58	0.43	9.9	0.02	0.00
29	0.39	0.49	0.38	33	---	26	3.8	0.53	1.3	20	0.03	0.00
30	0.37	0.58	0.44	26	---	21	2.9	0.55	0.74	27	0.04	0.00
31	0.38	---	0.63	21	---	54	---	0.53	---	17	0.06	---
TOTAL	15.98	10.51	16.23	1327.40	739.0	664.7	1898.3	110.69	15.05	335.36	21.87	0.18
MEAN	0.515	0.350	0.524	42.82	26.39	21.44	63.28	3.571	0.502	10.82	0.705	0.006
MAX	0.76	0.59	0.70	172	104	78	283	10	1.9	99	8.9	0.05
MIN	0.37	0.23	0.38	0.40	4.6	5.8	2.9	0.53	0.12	0.13	0.01	0.00
CFSM	0.01	0.01	0.01	0.84	0.52	0.42	1.24	0.07	0.01	0.21	0.01	0.00
IN.	0.01	0.01	0.01	0.97	0.54	0.48	1.38	0.08	0.01	0.24	0.02	0.00

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	57.72	16.44	11.45	47.74	49.51	37.12	37.61	11.39	16.16	5.638	5.130	131.8
MAX	166	40.5	17.9	91.1	98.3	50.3	63.3	26.8	48.3	10.8	14.0	462
(WY)	2000	2000	2001	2000	2000	2001	2002	1999	2001	2002	2001	1999
MIN	0.52	0.35	0.52	9.29	22.1	21.4	20.1	2.09	0.50	1.77	0.16	0.006
(WY)	2002	2002	2002	2001	2001	2002	1999	2001	2002	2000	1999	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1999 - 2002

ANNUAL TOTAL	5516.96	5155.27	
ANNUAL MEAN	15.11	14.12	
HIGHEST ANNUAL MEAN			26.65
LOWEST ANNUAL MEAN			48.0
HIGHEST DAILY MEAN	242	Jun 17	283
LOWEST DAILY MEAN	0.23	Nov 22	0.00
ANNUAL SEVEN-DAY MINIMUM	0.26	Nov 17	0.00
MAXIMUM PEAK FLOW			326
MAXIMUM PEAK STAGE			8.77
INSTANTANEOUS LOW FLOW			0.00*
ANNUAL RUNOFF (CFSM)	0.30		0.28
ANNUAL RUNOFF (INCHES)	4.02		3.76
10 PERCENT EXCEEDS	39		47
50 PERCENT EXCEEDS	3.4		0.63
90 PERCENT EXCEEDS	0.43		0.02

* See REMARKS.

02091736 MIDDLE SWAMP NEAR FARMVILLE, NC--Continued

