

02091736 MIDDLE SWAMP NEAR FARMVILLE, NC

LOCATION.--Lat 35°32'01", long 77°32'39", 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 fair. Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources to monitor water quality changes in an agricultural watershed. Maximum gage height for period of 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. and Oct. 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	13	9.5	47	23	159	44	23	140	0.29	94	4.5
2	0.00	9.5	8.8	51	21	145	37	31	138	35	58	3.5
3	0.00	7.0	7.9	46	18	132	31	25	107	329	45	2.8
4	0.00	5.0	7.3	47	16	113	26	20	78	195	38	6.6
5	0.00	3.9	73	45	14	103	22	17	56	70	52	250
6	0.00	7.3	152	41	13	191	18	202	43	32	280	309
7	0.00	11	130	33	57	290	22	312	34	19	257	154
8	0.00	12	90	28	100	199	97	193	36	11	496	76
9	0.00	8.7	63	27	81	164	324	115	36	7.4	545	38
10	0.00	7.9	45	25	96	142	891	123	32	5.3	467	22
11	7.6	7.7	44	22	138	122	1,110	98	25	15	658	15
12	100	60	50	19	118	104	622	53	20	226	739	12
13	196	214	73	17	88	89	327	28	16	286	473	11
14	141	217	159	16	64	81	181	17	15	210	428	9.4
15	70	144	157	15	51	71	127	11	13	338	288	6.9
16	31	103	124	14	62	76	95	9.2	10	414	260	4.8
17	15	125	96	16	234	262	67	7.9	7.5	201	387	4.2
18	8.6	187	75	16	226	181	47	7.8	9.7	115	374	176
19	5.3	170	59	15	168	140	43	143	12	80	367	849
20	3.4	119	72	15	144	202	38	279	9.9	59	288	698
21	3.2	82	107	15	123	867	36	195	7.8	43	186	373
22	2.6	60	92	14	112	667	45	126	5.5	31	129	189
23	2.2	48	77	14	140	330	42	238	3.7	30	97	136
24	2.2	46	69	12	129	206	32	504	2.4	70	64	135
25	2.9	27	86	12	112	144	25	380	1.6	173	39	122
26	3.4	20	90	12	88	113	25	545	1.1	146	25	102
27	2.9	18	79	12	86	86	26	666	0.74	87	18	80
28	2.9	15	65	11	153	61	32	414	0.59	47	13	72
29	5.0	14	53	11	---	48	28	266	0.36	31	10	61
30	10	10	43	14	---	44	25	173	0.34	33	7.4	44
31	16	---	37	21	---	46	---	128	---	89	5.2	---
TOTAL	631.20	1,772.0	2,293.5	703	2,675	5,578	4,485	5,349.9	862.23	3,427.99	7,187.6	3,966.7
MEAN	20.4	59.1	74.0	22.7	95.5	180	150	173	28.7	111	232	132
MAX	196	217	159	51	234	867	1,110	666	140	414	739	849
MIN	0.00	3.9	7.3	11	13	44	18	7.8	0.34	0.29	5.2	2.8
CFSM	0.40	1.16	1.45	0.44	1.87	3.53	2.93	3.38	0.56	2.17	4.55	2.59
IN.	0.46	1.29	1.67	0.51	1.95	4.07	3.27	3.90	0.63	2.50	5.24	2.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	48.4	27.1	27.1	41.5	60.9	72.8	60.0	43.6	18.7	26.6	50.5	132
MAX	166	59.1	74.0	91.1	98.3	180	150	173	48.3	111	232	462
(WY)	(2000)	(2003)	(2003)	(2000)	(2000)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	9,809.25		38,932.12		46.6	
ANNUAL MEAN	26.9		107		107	
HIGHEST ANNUAL MEAN					14.1	2003
LOWEST ANNUAL MEAN					3,000	2002
HIGHEST DAILY MEAN	283	Apr 1	1,110	Apr 11	0.00	Sep 17, 1999
LOWEST DAILY MEAN	0.00	Sep 6	0.00	Oct 1	0.00	Sep 6, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 6	0.00	Oct 1	0.00	Sep 6, 2002
MAXIMUM PEAK FLOW			1,330	Apr 11	NOT DETERMINED*	
MAXIMUM PEAK STAGE			10.27	Apr 11	19.03*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			0.00*	Oct 1	0.00*	Jun 9, 1999
ANNUAL RUNOFF (CFSM)	0.53		2.09		0.91	
ANNUAL RUNOFF (INCHES)	7.15		28.40		12.42	
10 PERCENT EXCEEDS	85		279		128	
50 PERCENT EXCEEDS	7.3		47		12	
90 PERCENT EXCEEDS	0.01		5.1		0.39	

*See REMARKS.

