

PAMLICO RIVER BASIN

02084557 VAN SWAMP NEAR HOKE, NC

LOCATION.--Lat 35°43'49", long 76°44'49", Washington County, Hydrologic Unit 03020104, on left bank at upstream side of culvert on State Highway 32, and 4.8 mi east of Hoke.

DRAINAGE AREA.--23 mi².

PERIOD OF RECORD.--May 1977 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair. No flow occurs periodically. Minimum discharge for current water year also occurred Sept. 24.

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	99	2.2	8.3	11	11	19	23	4.5	1.3	31	18	.89
2	93	1.9	7.5	11	10	19	29	3.1	2.5	22	16	.82
3	84	1.7	7.8	10	9.3	18	31	2.5	2.7	23	11	.73
4	71	1.5	8.6	9.6	8.9	24	29	2.2	2.7	19	8.8	.65
5	59	1.3	10	9.4	9.3	36	26	1.9	2.6	14	8.2	.55
6	48	1.2	12	9.2	9.6	36	24	1.6	6.4	11	5.8	.48
7	39	1.1	12	8.8	9.7	35	21	1.3	6.8	9.8	4.7	.42
8	32	1.0	13	8.6	8.8	30	22	1.3	6.2	10	3.9	.40
9	27	.99	17	8.5	8.7	26	28	1.2	5.5	7.9	3.2	.34
10	24	.98	20	8.1	10	23	25	1.0	4.7	6.9	2.6	.27
11	21	1.3	23	7.7	8.7	20	19	.94	3.9	7.5	2.1	.23
12	19	1.5	25	7.3	7.4	18	16	.90	3.2	5.1	2.0	.23
13	20	1.5	25	7.1	7.1	17	14	1.4	2.6	4.3	2.0	.23
14	16	1.5	25	6.8	7.2	16	12	1.3	4.9	4.0	8.0	.19
15	14	1.6	27	6.8	7.1	15	11	1.3	51	3.3	11	.16
16	11	1.6	26	6.9	7.0	16	9.8	1.8	96	2.9	9.4	.11
17	11	1.6	25	6.7	7.8	16	9.3	1.5	103	2.3	7.5	.10
18	10	1.5	24	6.3	11	15	13	1.4	104	2.1	5.9	.10
19	9.1	1.6	22	6.0	11	14	11	1.3	103	5.1	5.1	.10
20	8.2	2.8	21	8.4	11	13	9.5	1.2	100	9.3	4.4	.08
21	7.2	3.1	20	16	10	15	8.4	1.1	96	8.3	3.8	.06
22	6.8	3.8	18	17	11	21	6.9	1.2	90	6.9	3.3	.06
23	6.3	3.7	17	17	23	22	6.1	1.3	86	6.2	2.8	.06
24	5.9	3.2	16	17	26	20	5.3	1.3	82	5.7	2.3	.06
25	5.2	3.9	15	16	23	17	5.0	1.2	74	4.9	2.1	.13
26	4.5	10	15	15	24	16	4.9	1.1	69	4.1	1.7	.12
27	4.0	11	15	14	22	14	4.5	1.1	63	4.4	1.5	.10
28	3.7	10	15	14	20	13	4.2	1.0	56	4.6	1.3	.08
29	3.3	9.2	14	13	---	13	3.7	1.1	47	4.5	1.2	.06
30	2.7	8.6	13	12	---	18	4.9	1.1	39	17	1.1	.06
31	2.4	---	12	12	---	23	---	1.3	---	21	.99	---
TOTAL	767.3	96.87	529.2	327.2	339.6	618	436.5	46.44	1315.0	288.1	161.69	7.87
MEAN	24.8	3.23	17.1	10.6	12.1	19.9	14.6	1.50	43.8	9.29	5.22	.26
MAX	99	11	27	17	26	36	31	4.5	104	31	18	.89
MIN	2.4	.98	7.5	6.0	7.0	13	3.7	.90	1.3	2.1	.99	.06
CFSM	1.08	.14	.74	.46	.53	.87	.63	.07	1.91	.40	.23	.01
IN.	1.24	.16	.86	.53	.55	1.00	.71	.08	2.13	.47	.26	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2001, BY WATER YEAR (WY)

	2000	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	20.5	15.6	16.5	43.1	47.7	56.9	40.3	24.6	10.1	5.83	10.8	20.3													
MAX	166	121	56.6	124	122	142	101	122	43.8	55.2	64.8	189													
(WY)	2000	1978	1990	1978	1998	1983	1983	1978	2001	1989	1986	1999													
MIN	.018	.052	.033	.72	10.2	8.78	4.68	.58	.29	.011	.000	.034													
(WY)	1979	1979	1989	1989	1989	1992	1985	1985	1985	1997	1997	1995													

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1977 - 2001

ANNUAL TOTAL	8928.10	4933.77		
ANNUAL MEAN	24.4	13.5	26.1	
HIGHEST ANNUAL MEAN			51.7	1978
LOWEST ANNUAL MEAN			7.76	1981
HIGHEST DAILY MEAN	129	Sep 26	104	Jun 18
LOWEST DAILY MEAN	.13	Jul 22	.06	Sep 21
ANNUAL SEVEN-DAY MINIMUM	.17	Jul 18	.07	Sep 18
MAXIMUM PEAK FLOW			105	Jun 18
MAXIMUM PEAK STAGE			3.48	Jun 18
INSTANTANEOUS LOW FLOW			.04*	Sep 23
ANNUAL RUNOFF (CFSM)	1.06	.59		1.14
ANNUAL RUNOFF (INCHES)	14.44	7.98		15.43
10 PERCENT EXCEEDS	69	26		73
50 PERCENT EXCEEDS	14	8.2		8.2
90 PERCENT EXCEEDS	.97	1.0		.14

* See REMARKS.

02084557 VAN SWAMP NEAR HOKE, NC--Continued

