

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow occurs periodically.

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	0.06	0.00	0.02	0.01	5.8	8.3	48	9.5	0.93	0.02	3.5	1.8
2	0.04	0.00	0.02	0.01	5.4	8.7	55	8.4	0.79	0.01	2.7	1.1
3	0.04	0.00	0.03	0.11	4.8	49	53	8.0	0.62	0.00	2.2	0.81
4	0.04	0.00	0.04	0.08	4.6	53	68	8.0	0.61	0.00	1.5	0.50
5	0.04	0.00	0.04	0.10	4.4	51	65	8.5	0.75	0.00	1.2	0.30
6	0.08	0.00	0.04	0.64	4.4	47	60	8.1	0.70	0.00	1.0	0.11
7	0.17	0.00	0.04	1.7	8.8	41	53	8.0	1.2	0.00	0.10	0.02
8	0.13	0.00	0.04	1.9	15	36	47	7.9	1.3	0.00	0.00	0.01
9	0.07	0.00	0.03	1.9	14	32	42	7.1	1.2	0.00	0.00	0.00
10	0.06	0.00	0.03	1.7	12	28	37	5.9	1.2	0.00	0.00	0.03
11	0.06	0.00	0.06	1.4	14	24	35	5.0	0.96	0.03	0.00	0.06
12	0.06	0.00	0.04	1.1	14	21	33	5.6	0.88	0.09	0.00	0.00
13	0.05	0.00	0.04	2.5	13	26	31	5.5	0.79	0.14	0.00	0.00
14	0.02	0.00	0.05	3.4	12	33	28	6.0	0.65	0.18	0.00	0.00
15	0.01	0.00	0.04	4.1	11	32	26	5.6	0.79	0.17	0.00	0.01
16	0.01	0.00	0.03	4.5	11	30	24	7.3	0.53	0.13	0.00	0.59
17	0.01	0.00	0.04	3.7	11	26	21	7.6	0.43	0.07	0.00	1.2
18	0.01	0.00	0.06	2.9	11	25	19	7.6	0.24	0.02	0.00	0.90
19	0.01	0.00	0.04	2.4	10	23	17	5.2	0.28	0.01	0.00	1.2
20	0.01	0.00	0.02	7.8	10	22	27	2.0	0.35	0.18	0.00	1.0
21	0.01	0.00	0.03	8.5	11	21	33	0.94	0.41	0.61	0.00	1.3
22	0.01	0.00	0.03	7.6	11	23	32	1.0	0.48	0.55	0.00	1.2
23	0.01	0.00	0.03	8.3	9.9	22	29	1.0	0.30	0.35	0.00	1.2
24	0.01	0.11	0.04	15	9.4	21	25	0.95	0.23	0.17	0.00	0.93
25	0.01	0.09	0.03	14	9.1	20	22	0.78	0.11	0.73	0.00	0.90
26	0.00	0.03	0.02	12	9.1	18	19	1.0	0.09	3.2	0.00	1.1
27	0.00	0.04	0.02	9.9	8.9	21	17	1.9	0.08	6.6	0.00	1.0
28	0.00	0.03	0.02	8.8	8.6	26	15	0.82	0.12	4.5	0.00	0.56
29	0.00	0.02	0.02	7.8	---	26	13	0.60	0.11	4.7	0.00	0.28
30	0.00	0.02	0.01	6.9	---	24	11	0.64	0.05	4.8	0.97	0.29
31	0.00	---	0.01	6.2	---	24	---	0.70	---	4.2	4.5	---
TOTAL	1.03	0.34	1.01	146.95	273.2	862.0	1005	147.13	17.18	31.46	17.67	18.40
MEAN	0.033	0.011	0.033	4.740	9.757	27.81	33.50	4.746	0.573	1.015	0.570	0.613
MAX	0.17	0.11	0.06	15	15	53	68	9.5	1.3	6.6	4.5	1.8
MIN	0.00	0.00	0.01	0.01	4.4	8.3	11	0.60	0.05	0.00	0.00	0.00
CFSM	0.00	0.00	0.00	0.21	0.42	1.21	1.46	0.21	0.02	0.04	0.02	0.03
IN.	0.00	0.00	0.00	0.24	0.44	1.39	1.63	0.24	0.03	0.05	0.03	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

	1977	1978	1979	2000	2001	2002	1977	1978	1979	2000	2001	2002
MEAN	19.59	14.97	15.81	41.55	46.22	55.71	40.03	23.80	9.756	5.650	10.41	19.59
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	0.018	0.011	0.033	0.72	9.76	8.78	4.68	0.58	0.29	0.011	0.000	0.034
(WY)	1979	2002	2002	1989	2002	1992	1985	1985	1985	1997	1997	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1977 - 2002	
ANNUAL TOTAL	3542.78		2521.37			
ANNUAL MEAN	9.706		6.908		25.25	
HIGHEST ANNUAL MEAN					51.7	
LOWEST ANNUAL MEAN					6.91	
HIGHEST DAILY MEAN	104	Jun 18	68	Apr 4	385	Nov 7 1977
LOWEST DAILY MEAN	0.00	Oct 26	0.00	Oct 26	0.00	Aug 21 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 26	0.00	Oct 26	0.00	Sep 12 1985
MAXIMUM PEAK FLOW			69		409	
MAXIMUM PEAK STAGE			2.67		7.43	
INSTANTANEOUS LOW FLOW			0.00*		0.00*	
ANNUAL RUNOFF (CFSM)	0.42		0.30		1.10	
ANNUAL RUNOFF (INCHES)	5.73		4.08		14.92	
10 PERCENT EXCEEDS	23		24		73	
50 PERCENT EXCEEDS	4.0		0.70		8.0	
90 PERCENT EXCEEDS	0.01		0.00		0.10	

* See REMARKS.

02084557 VAN SWAMP NEAR HOKE, NC--Continued

