

02084557 VAN SWAMP NEAR HOKE, NC

LOCATION.--Lat 35°43'50", long 76°44'48", 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	8.7	4.1	6.4	4.2	83	39	44	104	2.6	53	20
2	0.20	9.3	3.6	12	4.2	84	35	40	99	2.9	50	16
3	0.33	11	3.1	12	4.0	85	31	40	94	6.4	43	14
4	0.35	12	2.9	11	3.9	76	27	43	89	8.5	38	12
5	0.23	13	10	9.7	3.5	67	23	41	83	6.6	32	19
6	0.11	14	19	8.6	3.2	79	20	56	72	4.6	27	20
7	0.13	16	17	7.7	7.8	94	18	73	60	3.2	36	18
8	0.16	17	15	7.1	15	95	21	65	50	2.3	70	15
9	0.17	18	14	6.4	14	92	55	54	43	1.6	85	13
10	0.14	18	13	5.6	17	88	106	45	36	1.0	87	10
11	0.17	19	13	4.7	26	82	119	40	41	0.74	106	8.8
12	0.01	31	11	4.0	23	72	127	34	40	1.2	118	9.7
13	0.00	51	12	3.6	20	61	123	29	35	1.5	116	21
14	0.01	49	16	3.3	17	50	117	25	29	7.3	112	20
15	0.00	41	15	3.1	16	40	110	21	24	10	110	17
16	0.00	25	13	2.8	19	37	104	18	23	8.2	106	14
17	1.5	39	10	3.0	79	35	99	16	21	6.7	102	11
18	2.0	49	8.5	2.9	87	33	95	14	18	6.0	97	57
19	3.4	31	7.4	2.7	82	30	94	19	17	4.9	95	145
20	4.7	22	7.3	2.6	72	30	91	26	18	4.0	103	149
21	5.5	19	8.4	2.6	60	86	86	24	21	3.0	106	147
22	6.2	16	7.6	2.4	51	99	79	21	19	2.2	100	143
23	6.4	14	6.7	2.3	76	95	70	52	16	1.7	94	140
24	6.9	12	6.2	2.0	77	90	59	112	13	2.9	89	137
25	7.2	9.4	9.3	1.8	67	85	51	112	11	3.4	81	130
26	7.6	7.7	9.7	1.8	55	76	50	119	8.4	4.8	70	122
27	6.0	6.6	8.5	1.8	48	63	68	123	6.4	17	58	115
28	7.4	5.8	7.6	1.7	77	50	65	123	5.0	14	47	127
29	6.2	5.1	6.8	1.8	---	40	57	118	4.0	11	38	124
30	8.1	4.8	6.0	2.1	---	37	50	114	3.2	22	30	115
31	8.1	---	5.3	3.2	---	42	---	109	---	45	24	---
TOTAL	89.40	594.4	297.0	142.7	1,028.8	2,076	2,089	1,770	1,103.0	217.24	2,323	1,909.5
MEAN	2.88	19.8	9.58	4.60	36.7	67.0	69.6	57.1	36.8	7.01	74.9	63.6
MAX	8.1	51	19	12	87	99	127	123	104	45	118	149
MIN	0.00	4.8	2.9	1.7	3.2	30	18	14	3.2	0.74	24	8.8
CFSM	0.13	0.86	0.42	0.20	1.60	2.91	3.03	2.48	1.60	0.30	3.26	2.77
IN.	0.14	0.96	0.48	0.23	1.66	3.36	3.38	2.86	1.78	0.35	3.76	3.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	18.9	15.2	15.6	40.1	45.9	56.1	41.2	25.0	10.8	5.70	12.8	21.2
MAX	166	121	56.6	124	122	142	101	122	43.8	55.2	74.9	189
(WY)	(2000)	(1978)	(1990)	(1978)	(1998)	(1983)	(1983)	(1978)	(2001)	(1989)	(2003)	(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 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1977 - 2003

ANNUAL TOTAL	3,499.79		13,640.04			
ANNUAL MEAN	9.59		37.4		25.8	
HIGHEST ANNUAL MEAN					51.7	
LOWEST ANNUAL MEAN					6.91	
HIGHEST DAILY MEAN	68	Apr 4	149	Sep 20	385	Nov 7, 1977
LOWEST DAILY MEAN	0.00	Jul 3	0.00	Oct 13	0.00	Aug 21, 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 3	0.05	Oct 10	0.00	Sep 12, 1985
MAXIMUM PEAK FLOW			150	Sep 20	409	Nov 6, 1977
MAXIMUM PEAK STAGE			4.41	Sep 20	7.43	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.00	Oct 13	0.00	Oct 1, 1978
ANNUAL RUNOFF (CFSM)	0.42		1.62		1.12	
ANNUAL RUNOFF (INCHES)	5.66		22.06		15.23	
10 PERCENT EXCEEDS	26		102		75	
50 PERCENT EXCEEDS	5.1		19		8.5	
90 PERCENT EXCEEDS	0.00		2.6		0.11	

PAMLICO RIVER BASIN

02084557 VAN SWAMP NEAR HOKE, NC—Continued

