

Water-Data Report 2008

02084557 VAN SWAMP NEAR HOKE, NC

Pamlico Basin
Pamlico Subbasin

LOCATION.--Lat 35°43'51", long 76°44'46" referenced to North American Datum of 1983, Washington County, NC, Hydrologic Unit 03020104, on left bank at upstream side of culvert on North Carolina Highway 32, and 4.8 mi east of Hoke.

DRAINAGE AREA.--23 mi².

SURFACE-WATER 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.--No estimated daily discharges. Records fair. No flow occurs at times most years.

02084557 VAN SWAMP NEAR HOKE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.11	0.17	8.0	5.4	37	0.34	0.00	0.01	0.00
2	0.00	0.00	0.00	0.07	0.50	7.2	6.3	31	0.19	0.00	0.00	0.00
3	0.00	0.00	0.00	0.05	0.52	6.5	5.9	27	0.10	0.00	0.00	0.00
4	0.00	0.00	0.00	0.05	0.53	6.1	6.0	23	0.07	0.00	0.00	0.00
5	0.00	0.00	0.00	0.06	0.43	10	31	20	0.05	0.00	0.00	0.00
6	0.00	0.00	0.00	0.07	0.39	13	123	17	0.03	0.00	0.00	0.00
7	0.00	0.00	0.00	0.08	0.29	13	106	15	0.02	0.00	0.00	0.00
8	0.00	0.00	0.00	0.09	0.19	22	79	12	0.01	0.00	0.00	0.00
9	0.00	0.00	0.00	0.14	0.15	21	62	11	0.01	0.00	0.00	0.00
10	0.00	0.00	0.00	0.11	0.12	18	54	8.9	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.16	0.10	16	47	7.8	0.00	0.22	0.00	0.00
12	0.00	0.00	0.00	0.13	0.10	14	41	7.7	0.00	0.15	0.00	0.00
13	0.00	0.00	0.00	0.10	1.2	13	36	6.7	0.00	0.05	0.00	0.00
14	0.00	0.00	0.00	0.05	2.9	11	32	5.6	0.00	0.02	0.00	0.00
15	0.00	0.00	0.00	0.10	2.8	10	29	4.8	0.00	0.03	0.00	0.00
16	0.00	0.00	0.24	0.05	2.6	11	26	4.3	0.00	0.02	0.00	0.00
17	0.00	0.00	0.04	0.14	2.4	11	23	3.9	0.00	0.01	0.00	0.00
18	0.00	0.00	0.02	0.12	4.2	9.6	20	3.3	0.00	0.00	0.00	0.00
19	0.00	0.00	0.01	0.37	6.7	9.1	17	3.0	0.00	0.00	0.00	0.00
20	0.00	0.00	0.02	0.94	6.0	8.9	16	2.7	0.00	0.00	0.00	0.00
21	0.00	0.00	0.03	0.84	5.0	8.1	21	3.0	0.00	0.00	0.00	0.00
22	0.00	0.00	0.03	0.89	6.6	7.7	27	2.8	0.00	0.00	0.00	0.00
23	0.00	0.00	0.03	0.88	12	7.1	39	2.3	0.00	0.00	0.00	0.00
24	0.00	0.00	0.03	0.57	11	6.7	35	2.0	0.00	0.00	0.00	0.00
25	0.00	0.00	0.02	0.33	9.9	6.3	30	1.8	0.00	0.00	0.00	0.00
26	0.00	0.00	0.12	0.23	9.3	6.0	26	1.4	0.00	0.00	0.00	0.00
27	0.01	0.01	0.13	0.17	11	5.7	28	1.0	0.00	0.00	0.00	0.00
28	0.00	0.00	0.11	0.14	9.8	5.4	54	0.93	0.00	0.00	0.00	0.00
29	0.00	0.00	0.08	0.12	8.6	4.8	53	1.1	0.00	0.00	0.00	0.00
30	0.00	0.00	0.14	0.11	---	4.6	44	0.81	0.00	0.00	0.00	0.00
31	0.00	---	0.12	0.09	---	5.1	---	0.57	---	0.01	0.00	---
Total	0.01	0.01	1.17	7.36	115.49	305.9	1,122.6	269.41	0.82	0.51	0.01	0.00
Mean	0.00	0.00	0.04	0.24	3.98	9.87	37.4	8.69	0.03	0.02	0.00	0.00
Max	0.01	0.01	0.24	0.94	12	22	123	37	0.34	0.22	0.01	0.00
Min	0.00	0.00	0.00	0.05	0.10	4.6	5.4	0.57	0.00	0.00	0.00	0.00
Cfsm	0.00	0.00	0.00	0.01	0.17	0.43	1.63	0.38	0.00	0.00	0.00	0.00
In.	0.00	0.00	0.00	0.01	0.19	0.49	1.82	0.44	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	17.8	17.9	19.3	38.8	42.4	51.2	39.0	23.9	10.6	6.36	12.8	20.0
Max	166	121	98.5	124	122	142	101	122	43.8	55.2	74.9	189
(WY)	(2000)	(1978)	(2004)	(1978)	(1998)	(1983)	(1983)	(1978)	(2001)	(1989)	(2003)	(1999)
Min	0.00	0.00	0.03	0.24	3.98	8.78	4.68	0.58	0.03	0.01	0.00	0.00
(WY)	(2008)	(2008)	(2002)	(2008)	(2008)	(1992)	(1985)	(1985)	(2008)	(1997)	(1997)	(2008)

02084557 VAN SWAMP NEAR HOKE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1977 - 2008	
Annual total	4,908.02		1,823.29			
Annual mean	13.4		4.98		24.8	
Highest annual mean					51.7	1978
Lowest annual mean					4.98	2008
Highest daily mean	131	Jan 23	123	Apr 6	385	Nov 7, 1977
Lowest daily mean	0.00	Sep 12	0.00	Oct 1	0.00	Aug 21, 1983
Annual seven-day minimum	0.00	Sep 24	0.00	Oct 1	0.00	Sep 12, 1985
Maximum peak flow			127	Apr 6	409	Nov 6, 1977
Maximum peak stage			2.95	Apr 6	7.43	Sep 16, 1999
Instantaneous low flow			^a 0.00	Oct 1	^a 0.00	Oct 1, 1978
Annual runoff (cfs)	0.585		0.217		1.08	
Annual runoff (inches)	7.94		2.95		14.67	
10 percent exceeds	44		15		70	
50 percent exceeds	1.3		0.01		9.2	
90 percent exceeds	0.00		0.00		0.08	

^aSee Remarks.