

Water-Data Report 2010

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 good. No flow occurs at times most years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.78	0.36	29	107	131	68	76	3.8	1.8	0.00	0.00	0.00
2	0.69	0.30	28	104	127	62	69	3.4	1.4	0.00	0.00	0.00
3	0.63	0.26	60	97	134	88	63	2.9	1.2	0.00	0.01	0.00
4	0.62	0.22	73	91	130	101	56	2.7	0.99	0.00	0.02	0.00
5	0.53	0.26	83	85	132	96	51	2.7	0.79	0.00	0.31	0.00
6	0.53	0.22	93	80	278	90	45	2.4	0.63	0.00	0.31	0.00
7	0.53	0.18	88	74	254	84	40	2.0	0.65	0.00	0.20	0.00
8	0.47	0.16	83	68	243	78	35	1.7	0.51	0.00	0.09	0.00
9	0.41	0.17	127	62	241	72	31	1.4	0.37	0.00	0.01	0.00
10	0.42	0.20	142	56	242	66	30	1.2	0.29	0.00	0.00	0.00
11	0.38	0.72	129	50	225	61	27	1.1	0.20	0.00	0.00	0.00
12	0.34	80	119	46	206	68	25	0.96	0.16	0.00	0.00	0.00
13	0.34	103	112	42	189	82	23	0.94	0.23	0.00	0.07	0.00
14	0.35	91	106	38	177	80	21	0.87	0.21	0.09	0.08	0.00
15	0.49	83	100	35	168	75	19	0.76	0.17	0.47	0.01	0.00
16	0.51	79	94	32	159	68	17	0.62	0.16	0.41	0.00	0.00
17	0.45	76	88	35	149	62	16	0.67	0.18	0.30	0.00	0.00
18	0.43	73	82	54	141	57	14	1.4	0.09	0.20	0.00	0.00
19	0.44	71	88	56	132	52	13	1.4	0.05	0.13	0.00	0.00
20	0.43	68	92	53	124	47	12	1.3	0.02	0.31	0.00	0.00
21	0.41	65	86	49	116	42	11	1.1	0.01	0.06	0.00	0.00
22	0.38	61	81	100	109	39	10	0.80	0.00	0.01	0.13	0.00
23	0.41	58	75	113	103	36	9.2	2.4	0.00	0.00	0.07	0.00
24	0.41	54	69	107	96	33	8.3	9.0	0.00	0.00	0.01	0.00
25	0.36	50	66	133	93	31	7.7	13	0.00	0.00	0.00	0.00
26	0.36	47	113	153	88	29	7.2	10	0.00	0.00	0.00	0.00
27	0.36	43	115	142	82	28	6.4	6.9	0.00	0.00	0.00	0.00
28	0.40	39	107	132	75	26	5.6	4.8	0.00	0.00	0.00	0.00
29	0.34	36	99	123	---	48	5.0	3.7	0.02	0.00	0.00	6.4
30	0.39	33	92	127	---	85	4.4	2.9	0.04	0.00	0.00	148
31	0.39	---	96	139	---	82	---	2.2	---	0.00	0.00	---
Total	13.98	1,213.05	2,815	2,583	4,344	1,936	757.8	91.02	10.17	1.98	1.32	154.40
Mean	0.45	40.4	90.8	83.3	155	62.5	25.3	2.94	0.34	0.06	0.04	5.15
Max	0.78	103	142	153	278	101	76	13	1.8	0.47	0.31	148
Min	0.34	0.16	28	32	75	26	4.4	0.62	0.00	0.00	0.00	0.00
Cfsm	0.02	1.76	3.95	3.62	6.75	2.72	1.10	0.13	0.01	0.00	0.00	0.22
In.	0.02	1.96	4.55	4.18	7.03	3.13	1.23	0.15	0.02	0.00	0.00	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	16.8	18.1	20.9	39.0	44.6	50.3	37.7	22.6	9.96	6.07	12.1	19.0
Max	166	121	98.5	124	155	142	101	122	43.8	55.2	74.9	189
(WY)	(2000)	(1978)	(2004)	(1978)	(2010)	(1983)	(1983)	(1978)	(2001)	(1989)	(2003)	(1999)
Min	0.00	0.00	0.03	0.24	1.07	8.53	4.68	0.58	0.03	0.01	0.00	0.00
(WY)	(2009)	(2009)	(2002)	(2008)	(2009)	(2009)	(1985)	(1985)	(2008)	(1997)	(1997)	(2008)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1977 - 2010	
Annual total	4,958.46		13,921.72			
Annual mean	13.6		38.1		24.6	
Highest annual mean					51.7	1978
Lowest annual mean					2.54	2009
Highest daily mean	142	Dec 10	278	Feb 6	385	Nov 7, 1977
Lowest daily mean	0.00	Jun 28	0.00	Jun 22	0.00	Aug 21, 1983
Annual seven-day minimum	0.00	Jun 28	0.00	Jun 22	0.00	Sep 12, 1985
Maximum peak flow			292	Feb 6	409	Nov 6, 1977
Maximum peak stage			5.63	Feb 6	7.43	Sep 16, 1999
Instantaneous low flow			^a 0.00	Jun 20	^a 0.00	Oct 1, 1978
Annual runoff (cfsm)	0.591		1.66		1.07	
Annual runoff (inches)	8.02		22.52		14.51	
10 percent exceeds	67		112		71	
50 percent exceeds	1.3		2.7		8.4	
90 percent exceeds	0.36		0.00		0.06	

^a See Remarks.

