

02084557 VAN SWAMP NEAR HOKE, NC

LOCATION.--Lat 35°43'51", long 76°44'46", 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. Minimum discharge for current water year also occurred June 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	83	26	115	33	53	20	9.4	0.70	47	18	24
2	93	74	25	110	32	49	20	8.6	0.50	38	17	23
3	78	65	25	102	31	45	19	17	0.32	31	25	21
4	62	58	24	88	30	42	18	52	2.5	26	31	19
5	51	53	27	74	29	39	16	53	19	24	29	18
6	43	49	32	61	28	37	15	47	15	19	35	21
7	37	45	33	53	28	35	14	41	18	15	29	28
8	31	42	33	48	26	34	13	34	26	12	25	28
9	27	39	32	44	25	32	13	27	35	9.0	22	47
10	23	35	32	41	25	31	12	22	35	6.5	20	54
11	20	32	85	38	24	32	11	18	39	5.5	18	47
12	18	30	106	36	24	33	11	14	36	6.6	22	40
13	16	27	105	34	29	31	14	11	29	6.8	60	34
14	13	25	128	32	32	30	38	8.8	23	6.8	97	30
15	12	23	147	30	33	29	44	7.0	18	7.0	169	29
16	11	21	146	28	41	35	43	5.7	14	8.1	177	29
17	10	19	146	27	48	61	39	4.7	13	8.3	151	26
18	11	18	144	26	55	61	34	3.8	11	9.3	131	24
19	11	20	140	27	55	59	30	3.1	9.4	12	106	22
20	12	34	136	27	52	54	25	2.5	8.2	13	80	19
21	13	41	131	26	49	49	22	2.0	6.2	e19	60	16
22	13	41	127	25	45	44	19	2.5	4.3	e20	53	13
23	13	39	123	24	41	40	16	9.1	3.0	e20	45	10
24	13	37	151	24	38	37	14	9.7	2.5	19	36	8.2
25	13	36	153	23	37	31	12	8.0	2.4	20	31	6.5
26	13	33	146	25	36	28	11	5.9	16	20	26	5.0
27	13	31	141	28	48	25	12	4.7	17	20	25	3.9
28	13	30	135	33	57	23	14	3.5	17	20	27	2.5
29	55	29	130	34	56	21	12	2.1	58	20	27	3.3
30	91	27	125	35	---	19	11	1.3	57	19	26	3.7
31	90	---	120	34	---	18	---	0.89	---	18	25	---
TOTAL	1,025	1,136	3,054	1,352	1,087	1,157	592	439.29	536.02	525.9	1,643	655.1
MEAN	33.1	37.9	98.5	43.6	37.5	37.3	19.7	14.2	17.9	17.0	53.0	21.8
MAX	106	83	153	115	57	61	44	53	58	47	177	54
MIN	10	18	24	23	24	18	11	0.89	0.32	5.5	17	2.5
CFSM	1.44	1.65	4.28	1.90	1.63	1.62	0.86	0.62	0.78	0.74	2.30	0.95
IN.	1.66	1.84	4.94	2.19	1.76	1.87	0.96	0.71	0.87	0.85	2.66	1.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

	19.5	16.0	18.6	40.3	45.5	55.4	40.4	24.6	11.0	6.10	14.2	21.2
MEAN	19.5	16.0	18.6	40.3	45.5	55.4	40.4	24.6	11.0	6.10	14.2	21.2
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	0.02	0.01	0.03	0.72	9.76	8.78	4.68	0.58	0.29	0.01	0.00	0.03
(WY)	(1979)	(2002)	(2002)	(1989)	(2002)	(1992)	(1985)	(1985)	(1985)	(1997)	(1997)	(1995)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	17,874.24		13,202.31		26.2	
ANNUAL MEAN	49.0		36.1		51.7	
HIGHEST ANNUAL MEAN					6.91	1978
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	153	Dec 25	177	Aug 16	385	Nov 7, 1977
LOWEST DAILY MEAN	0.74	Jul 11	0.32	Jun 3	0.00	Aug 21, 1983
ANNUAL SEVEN-DAY MINIMUM	1.6	Jul 7	1.2	May 29	0.00	Sep 12, 1985
MAXIMUM PEAK FLOW			183	Aug 16	409	Nov 6, 1977
MAXIMUM PEAK STAGE			4.56	Dec 24	7.43	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.23*	Jun 3	0.00	Oct 1, 1978
ANNUAL RUNOFF (CFSM)	2.13		1.57		1.14	
ANNUAL RUNOFF (INCHES)	28.91		21.35		15.48	
10 PERCENT EXCEEDS	117		81		75	
50 PERCENT EXCEEDS	35		27		9.5	
90 PERCENT EXCEEDS	3.8		8.1		0.13	

* See REMARKS.

e Estimated.

