

Water-Data Report 2007

02091000 NAHUNTA SWAMP NEAR SHINE, NC

Neuse Basin
Contentnea Subbasin

LOCATION.--Lat 35°29'20", long 77°48'22" referenced to North American Datum of 1983, Greene County, NC, Hydrologic Unit 03020203, on right bank 10 ft downstream of bridge on Secondary Road 1058, 2 mi upstream from Appletree Swamp, 3.5 mi north of Shine, and 8 mi northwest of Snow Hill.

DRAINAGE AREA.--80.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1954 to current year. Monthly discharges only for some periods, published in WSP 1723.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 50.74 ft above NGVD of 1929. Prior to April 1, 1955, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are fair. Maximum discharge for period of record, on basis of slope conveyances measurement of peak flow; gage height from floodmarks. Minimum discharge for period of record also occurred October 8, 1954, August 11-15, 2002.

02091000 NAHUNTA SWAMP NEAR SHINE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32	75	137	127	145	70	30	24	9.3	23	8.4	9.6
2	29	71	134	122	312	110	29	22	9.1	20	7.6	8.5
3	28	66	117	105	217	114	28	20	80	11	6.9	7.8
4	27	61	125	98	156	84	e26	21	67	8.0	6.4	7.2
5	27	59	115	97	128	70	e23	24	30	7.0	6.0	6.7
6	32	58	105	e300	112	63	22	53	20	6.3	5.7	6.1
7	47	99	102	e295	110	60	22	38	15	99	5.5	5.6
8	46	274	93	e260	102	57	22	27	13	100	5.2	5.1
9	44	161	85	e250	93	54	22	29	12	22	5.2	5.0
10	44	118	84	223	87	54	22	32	11	110	8.2	5.0
11	38	96	83	178	81	53	23	27	9.7	354	7.7	4.7
12	35	e160	80	164	76	51	122	23	9.3	49	7.1	4.2
13	32	e325	79	155	74	50	77	24	9.3	27	6.3	3.9
14	29	182	80	150	e210	49	41	23	9.0	20	5.3	4.1
15	28	142	78	146	195	e48	220	20	9.8	17	4.6	71
16	26	e360	74	141	137	e61	472	18	9.2	15	4.4	e40
17	28	2,050	71	126	113	e110	178	23	8.8	13	4.2	19
18	177	1,030	67	133	101	e93	105	31	8.1	40	4.1	13
19	112	280	66	173	88	72	80	27	7.5	26	4.0	e11
20	71	182	63	152	81	61	68	22	7.6	17	4.2	e12
21	54	163	61	135	79	55	60	18	9.3	14	3.5	13
22	51	e800	65	491	77	52	53	16	8.0	12	4.5	12
23	61	e2,500	172	435	69	50	47	15	7.1	11	4.6	10
24	54	e1,400	132	221	63	48	42	14	6.5	9.8	4.9	8.9
25	48	529	e260	168	68	43	38	13	6.3	9.0	5.1	7.7
26	43	213	e900	142	121	39	35	12	6.3	8.2	8.7	7.2
27	43	173	e600	125	96	38	33	12	6.6	7.8	172	6.8
28	e250	156	459	120	78	36	31	11	6.4	7.9	65	6.5
29	e195	148	184	111	---	33	29	11	7.5	7.7	e24	6.0
30	111	135	152	101	---	32	26	10	14	7.6	15	5.4
31	84	---	134	95	---	31	---	9.7	---	9.0	13	---
Total	1,926	12,066	4,957	5,539	3,269	1,841	2,026	669.7	432.7	1,088.3	437.3	333.0
Mean	62.1	402	160	179	117	59.4	67.5	21.6	14.4	35.1	14.1	11.1
Max	250	2,500	900	491	312	114	472	53	80	354	172	71
Min	26	58	61	95	63	31	22	9.7	6.3	6.3	3.5	3.9
Cfsm	0.77	5.00	1.99	2.22	1.45	0.74	0.84	0.27	0.18	0.44	0.18	0.14
In.	0.89	5.58	2.29	2.56	1.51	0.85	0.94	0.31	0.20	0.50	0.20	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	53.2	62.2	73.1	117	136	138	100	60.1	51.7	57.9	65.9	81.3
Max	473	402	184	261	327	311	252	277	243	395	360	1,083
(WY)	(1965)	(2007)	(1958)	(1993)	(1998)	(1983)	(1974)	(1989)	(1995)	(1965)	(1974)	(1999)
Min	2.26	11.2	19.5	29.4	34.6	33.7	19.1	10.8	5.35	3.10	4.22	2.58
(WY)	(1955)	(1987)	(2002)	(2001)	(1988)	(1986)	(1986)	(1986)	(1986)	(1987)	(2002)	(1954)

02091000 NAHUNTA SWAMP NEAR SHINE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1954 - 2007	
Annual total	42,237.1		34,585.0			
Annual mean	116		94.8		83.7	
Highest annual mean					150	1965
Lowest annual mean					22.9	1986
Highest daily mean	2,500	Nov 23	2,500	Nov 23	7,000	Sep 17, 1999
Lowest daily mean	8.7	Jul 22	3.5	Aug 21	1.0	Oct 7, 1954
Annual seven-day minimum	12	Jul 17	4.1	Aug 16	1.1	Aug 9, 2002
Maximum peak flow			NOT DETERMINED		^a 23,000	Sep 17, 1999
Maximum peak stage			NOT DETERMINED		^a 21.00	Sep 17, 1999
Instantaneous low flow			3.2	Aug 21	^a 1.0	Oct 7, 1954
Annual runoff (cfsm)	1.44		1.18		1.04	
Annual runoff (inches)	19.54		16.00		14.15	
10 percent exceeds	186		178		174	
50 percent exceeds	56		43		44	
90 percent exceeds	21		6.6		11	

^a See Remarks.

