

## 02091000 NAHUNTA SWAMP NEAR SHINE, NC

LOCATION.--Lat 35°29'21", long 77°48'21", Greene County, 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 mi<sup>2</sup>.

## WATER-DISCHARGE 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 Apr. 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 Oct. 8, 1954, Aug. 11-15, 2002. Minimum discharge for current water year also occurred Oct. 8.

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	6.9	24	43	79	59	192	116	71	268	e18	73	30
2	7.0	20	41	112	52	169	97	59	154	e39	59	29
3	6.7	18	40	100	47	156	81	54	109	e237	50	66
4	6.7	16	38	85	45	120	74	51	99	e49	57	43
5	5.8	17	184	73	44	117	68	49	97	e26	68	102
6	6.0	48	216	66	42	362	64	245	80	e36	86	52
7	5.9	48	125	61	124	512	93	229	73	e33	87	41
8	5.7	32	90	59	133	361	194	114	97	e27	96	37
9	6.2	25	74	57	90	216	406	76	92	e21	245	38
10	6.4	23	66	55	115	162	871	60	72	35	216	37
11	25	23	70	50	147	129	1,170	51	59	271	397	33
12	83	144	79	46	104	115	865	43	54	419	261	31
13	34	365	105	45	79	104	382	36	47	285	295	31
14	23	222	226	46	68	135	199	31	47	450	175	31
15	17	121	143	45	67	120	148	29	44	337	114	29
16	15	85	102	43	89	141	122	33	46	159	166	26
17	14	174	81	50	383	255	104	32	46	114	245	24
18	13	256	71	48	234	198	93	32	45	379	259	115
19	12	155	66	45	156	135	92	238	44	162	144	317
20	11	107	107	44	120	314	88	135	47	105	102	130
21	14	84	150	45	103	682	84	79	44	79	81	74
22	20	76	102	43	106	553	143	83	38	66	69	58
23	19	67	83	41	257	345	104	489	34	151	62	62
24	17	59	81	42	159	192	79	510	e25	363	57	70
25	16	55	143	39	113	146	73	255	e22	133	51	58
26	15	52	118	39	96	123	96	875	20	105	44	49
27	14	49	91	40	106	107	138	695	19	111	40	44
28	14	45	79	37	252	95	103	321	37	69	37	51
29	25	44	76	38	---	96	82	206	e33	58	35	48
30	35	45	67	44	---	123	97	176	e23	195	31	40
31	31	---	62	61	---	156	---	156	---	108	29	---
TOTAL	530.3	2,499	3,019	1,678	3,390	6,631	6,326	5,513	1,915	4,640	3,731	1,796
MEAN	17.1	83.3	97.4	54.1	121	214	211	178	63.8	150	120	59.9
MAX	83	365	226	112	383	682	1,170	875	268	450	397	317
MIN	5.7	16	38	37	42	95	64	29	19	18	29	24
CFSM	0.21	1.04	1.21	0.67	1.51	2.66	2.62	2.21	0.79	1.86	1.50	0.74
IN.	0.25	1.16	1.40	0.78	1.57	3.07	2.93	2.55	0.89	2.15	1.73	0.83

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	53.3	55.6	69.1	118	140	144	103	60.5	51.8	59.0	68.2	80.8
MAX	473	253	184	261	327	311	252	277	243	395	360	1,083
(WY)	(1965)	(1978)	(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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	16,988.3		41,668.3			
ANNUAL MEAN	46.5		114		84.5	
HIGHEST ANNUAL MEAN					150	1965
LOWEST ANNUAL MEAN					22.9	1986
HIGHEST DAILY MEAN	365	Nov 13	1,170	Apr 11	7,000	Sep 17, 1999
LOWEST DAILY MEAN	1.0	Aug 12	5.7	Oct 8	1.0	Oct 7, 1954
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 9	6.1	Oct 4	1.1	Aug 9, 2002
MAXIMUM PEAK FLOW			1,230	Apr 11	23,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			10.26	Apr 11	21.00*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			5.5*	Oct 5	1.0*	Oct 7, 1954
ANNUAL RUNOFF (CFSM)	0.58		1.42		1.05	
ANNUAL RUNOFF (INCHES)	7.86		19.28		14.28	
10 PERCENT EXCEEDS	112		253		177	
50 PERCENT EXCEEDS	26		73		44	
90 PERCENT EXCEEDS	3.6		23		11	

e Estimated.  
 \* See REMARKS.

