

02091000 NAHUNTA SWAMP NEAR SHINE, NC

LOCATION.--Lat 35°29'20", long 77°48'22", 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 mi².

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.--No estimated daily discharges. Records good. 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.

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	36	107	53	74	68	125	49	47	21	70	14	173
2	33	80	50	71	62	107	48	179	19	47	17	200
3	31	66	47	71	87	94	45	560	18	66	15	65
4	29	59	49	69	104	85	41	490	29	39	14	48
5	30	57	107	70	81	79	40	223	258	36	12	41
6	28	59	97	69	72	75	37	117	225	30	14	82
7	25	95	76	63	78	72	36	82	93	24	16	109
8	29	80	66	59	68	68	36	63	58	25	13	109
9	74	65	60	62	60	61	35	53	46	64	11	120
10	71	57	81	68	60	59	34	47	41	29	9.8	106
11	58	55	567	62	61	56	43	41	35	254	8.9	63
12	49	53	287	62	115	55	56	38	35	58	8.6	51
13	43	49	147	65	178	53	118	43	34	38	19	42
14	44	43	503	64	122	51	144	37	30	27	130	37
15	63	40	730	61	138	51	77	34	27	21	347	39
16	53	39	428	57	202	61	55	30	26	17	308	39
17	44	39	286	55	161	65	46	28	37	14	119	38
18	40	39	249	61	159	61	41	26	30	13	65	81
19	38	66	182	68	127	62	37	26	30	13	49	71
20	35	256	143	61	106	56	34	28	24	12	40	50
21	33	152	119	56	94	54	32	26	20	11	33	41
22	33	99	107	54	83	49	30	24	18	10	36	37
23	32	80	100	53	75	46	28	33	18	24	33	35
24	27	71	129	51	73	45	26	36	37	29	28	34
25	26	66	131	51	70	44	26	32	28	19	25	34
26	28	60	108	64	70	43	26	27	27	15	23	35
27	30	58	95	61	184	43	55	23	33	13	23	35
28	36	59	88	71	263	44	45	21	41	12	21	34
29	541	62	83	78	166	42	34	19	53	18	26	38
30	494	56	82	84	---	40	29	19	34	15	81	34
31	200	---	76	81	---	44	---	22	---	13	102	---
TOTAL	2,333	2,167	5,326	1,996	3,187	1,890	1,383	2,474	1,425	1,076	1,661.3	1,921
MEAN	75.3	72.2	172	64.4	110	61.0	46.1	79.8	47.5	34.7	53.6	64.0
MAX	541	256	730	84	263	125	144	560	258	254	347	200
MIN	25	39	47	51	60	40	26	19	18	10	8.6	34
CFSM	0.94	0.90	2.14	0.80	1.37	0.76	0.57	0.99	0.59	0.43	0.67	0.80
IN.	1.08	1.00	2.46	0.92	1.47	0.87	0.64	1.14	0.66	0.50	0.77	0.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	53.7	55.9	71.1	117	139	143	102	60.9	51.8	58.6	67.9	80.4
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	45,446		26,839.3		84.2	
ANNUAL MEAN	125		73.3		22.9	
HIGHEST ANNUAL MEAN					150	1965
LOWEST ANNUAL MEAN					22.9	1986
HIGHEST DAILY MEAN	1,170	Apr 11	730	Dec 15	7,000	Sep 17, 1999
LOWEST DAILY MEAN	18	Jul 1	8.6	Aug 12	1.0	Oct 7, 1954
ANNUAL SEVEN-DAY MINIMUM	25	Jun 25	12	Aug 6	1.1	Aug 9, 2002
MAXIMUM PEAK FLOW			777	Dec 14	23000*	Sep 17, 1999
MAXIMUM PEAK STAGE			8.43	Dec 14	21.00*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			8.3	Aug 12	1.0*	Oct 7, 1954
ANNUAL RUNOFF (CFSM)	1.55		0.912		1.05	
ANNUAL RUNOFF (INCHES)	21.03		12.42		14.24	
10 PERCENT EXCEEDS	269		130		176	
50 PERCENT EXCEEDS	74		51		44	
90 PERCENT EXCEEDS	33		21		11	

* See REMARKS.

