

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.

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 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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	18	51	76	60	97	70	29	15	19	382	8.1
2	31	18	46	67	52	73	85	29	20	16	63	7.7
3	31	18	42	59	48	58	120	26	27	13	36	7.3
4	31	19	39	55	76	52	81	24	32	12	27	7.0
5	32	23	36	50	69	49	63	23	26	11	21	6.7
6	29	22	35	47	58	49	55	343	23	10	18	6.4
7	25	21	e34	46	53	48	52	494	28	9.6	17	6.8
8	22	20	e33	42	49	49	80	202	120	9.2	15	6.5
9	21	19	e32	39	47	61	70	107	58	8.6	90	6.4
10	20	20	56	e35	47	56	55	75	63	8.0	326	6.3
11	19	20	58	e33	54	50	49	56	35	8.2	87	6.1
12	18	32	47	e32	41	47	44	47	25	7.9	36	5.8
13	18	179	41	e31	38	44	149	42	21	7.9	23	5.9
14	25	73	36	122	39	48	368	40	19	9.1	19	21
15	27	46	32	231	44	56	197	37	17	9.2	16	65
16	25	37	e31	103	42	58	111	39	15	8.7	14	28
17	22	32	e29	75	42	304	84	37	13	7.9	48	15
18	20	e31	e28	61	37	274	72	31	12	7.8	35	32
19	19	33	e27	54	35	151	64	29	12	12	22	24
20	19	e31	e26	54	34	113	57	32	11	35	17	16
21	21	e30	e25	60	36	93	50	35	12	21	14	30
22	22	e29	e24	58	37	79	45	29	10	13	12	23
23	21	54	e25	56	36	158	42	25	9.3	230	11	17
24	21	86	38	49	67	197	39	23	8.9	131	11	14
25	19	61	e32	48	97	117	35	22	8.5	33	10	12
26	19	47	39	48	67	90	32	21	8.4	19	9.7	11
27	19	39	51	46	54	79	34	19	8.8	14	9.5	11
28	20	109	42	41	76	86	31	18	10	11	10	11
29	20	93	40	39	---	107	29	17	40	23	9.3	10
30	18	61	53	60	---	83	29	16	34	109	9.1	8.9
31	18	---	77	73	---	69	---	15	---	110	8.6	---
TOTAL	704	1,321	1,205	1,890	1,435	2,895	2,292	1,982	741.9	944.1	1,426.2	435.9
MEAN	22.7	44.0	38.9	61.0	51.2	93.4	76.4	63.9	24.7	30.5	46.0	14.5
MAX	32	179	77	231	97	304	368	494	120	230	382	65
MIN	18	18	24	31	34	44	29	15	8.4	7.8	8.6	5.8
CFSM	0.28	0.55	0.48	0.76	0.64	1.16	0.95	0.80	0.31	0.38	0.57	0.18
IN.	0.33	0.61	0.56	0.87	0.66	1.34	1.06	0.92	0.34	0.44	0.66	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	53.1	55.7	70.5	116	138	142	102	61.0	51.2	58.0	67.5	79.2
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	20,243.3		17,272.1		83.5	
ANNUAL MEAN	55.3		47.3		22.9	
HIGHEST ANNUAL MEAN					150	1965
LOWEST ANNUAL MEAN					22.9	1986
HIGHEST DAILY MEAN	560	May 3	494	May 7	7,000	Sep 17, 1999
LOWEST DAILY MEAN	8.6	Aug 12	5.8	Sep 12	1.0	Oct 7, 1954
ANNUAL SEVEN-DAY MINIMUM	12	Aug 6	6.3	Sep 7	1.1	Aug 9, 2002
MAXIMUM PEAK FLOW			699	Aug 1	23,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			7.99	Aug 1	21.00*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			5.7	Sep 12	1.0	Oct 7, 1954
ANNUAL RUNOFF (CFSM)	0.688		0.589		1.04	
ANNUAL RUNOFF (INCHES)	9.37		7.99		14.11	
10 PERCENT EXCEEDS	105		86		175	
50 PERCENT EXCEEDS	39		32		44	
90 PERCENT EXCEEDS	19		9.9		11	

* See REMARKS.

e Estimated.

