

NEUSE RIVER BASIN

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 sea level. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	20	32	27	28	47	230	16	53	13	28	36
2	57	21	30	27	27	42	392	15	310	12	20	48
3	49	19	37	26	25	41	224	13	126	11	15	33
4	48	17	44	26	25	119	150	12	66	14	13	28
5	44	18	45	26	50	129	116	11	45	56	12	25
6	41	19	45	33	50	94	96	11	35	32	10	22
7	36	18	44	28	39	71	85	10	33	20	9.7	18
8	32	18	45	27	33	59	75	10	27	15	8.7	16
9	30	19	41	31	31	54	66	9.5	25	17	8.2	18
10	28	21	37	31	31	49	61	9.5	23	15	7.9	30
11	27	21	36	28	29	47	52	8.8	20	13	12	44
12	26	19	35	30	31	44	49	8.1	18	15	253	31
13	25	21	32	31	39	46	46	8.4	16	11	131	23
14	24	23	37	29	39	42	46	8.4	21	12	278	20
15	22	35	41	33	39	47	41	8.2	118	10	164	17
16	21	27	37	36	37	70	39	9.9	130	8.8	93	15
17	21	26	42	32	83	54	36	12	233	8.1	50	14
18	22	25	46	30	90	43	39	14	89	7.8	44	13
19	24	27	40	28	57	37	35	12	58	8.0	65	12
20	22	59	38	33	45	35	31	13	41	8.9	48	11
21	20	42	37	40	44	482	28	34	33	8.4	66	11
22	20	31	38	33	70	802	26	25	27	7.7	56	11
23	19	27	32	30	115	464	24	15	27	7.6	39	11
24	20	27	30	29	76	187	23	11	24	8.1	30	16
25	22	38	31	28	64	139	24	19	24	10	26	77
26	21	160	31	26	66	108	37	110	22	11	22	57
27	21	89	30	26	55	83	28	292	20	42	19	37
28	20	51	37	25	49	70	22	106	18	58	23	24
29	18	39	30	24	---	161	19	94	16	32	46	19
30	18	36	30	28	---	524	17	73	14	70	38	17
31	19	---	28	31	---	264	---	49	---	45	32	---
TOTAL	884	1013	1138	912	1367	4454	2157	1047.8	1712	607.4	1667.5	754
MEAN	28.5	33.8	36.7	29.4	48.8	144	71.9	33.8	57.1	19.6	53.8	25.1
MAX	67	160	46	40	115	802	392	292	310	70	278	77
MIN	18	17	28	24	25	35	17	8.1	14	7.6	7.9	11
CFSM	.35	.42	.46	.37	.61	1.79	.89	.42	.71	.24	.67	.31
IN.	.41	.47	.53	.42	.63	2.06	1.00	.48	.79	.28	.77	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

	MEAN	54.9	55.8	69.5	120	142	145	102	58.9	52.5	58.2	68.5	82.7
MAX	473	253	184	261	327	311	252	277	243	395	360	1083	
(WY)	1965	1978	1958	1993	1998	1983	1974	1989	1995	1965	1974	1999	
MIN	2.26	11.2	19.7	29.4	34.6	33.7	19.1	10.8	5.35	3.10	4.71	2.58	
(WY)	1955	1987	1995	2001	1988	1986	1986	1986	1986	1986	1987	1954	1954

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1954 - 2001

ANNUAL TOTAL	23812	17713.7	
ANNUAL MEAN	65.1	48.5	84.9
HIGHEST ANNUAL MEAN			150
LOWEST ANNUAL MEAN			22.9
HIGHEST DAILY MEAN	561	Jan 31	802
LOWEST DAILY MEAN	10	Jun 13	7.6
ANNUAL SEVEN-DAY MINIMUM	12	Jun 9	8.1
MAXIMUM PEAK FLOW			905
MAXIMUM PEAK STAGE			9.02
INSTANTANEOUS LOW FLOW			7.3
ANNUAL RUNOFF (CFSM)	.81	.60	1.06
ANNUAL RUNOFF (INCHES)	11.02	8.20	14.35
10 PERCENT EXCEEDS	140	89	175
50 PERCENT EXCEEDS	37	30	43
90 PERCENT EXCEEDS	14	12	10

* See REMARKS.

02091000 NAHUNTA SWAMP NEAR SHINE, NC--Continued

