

## NEUSE RIVER BASIN

0209173200 SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'53", long 77°33'32", Greene County, Hydrologic Unit 03020203, at bridge on Secondary Road 1345, 0.2 mi above mouth and 4.0 mi northeast of Lizzie.

DRAINAGE AREA.--Approximately 29.0 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 36.44 ft above sea level.

REMARKS.--Records fair above 10 ft<sup>3</sup>/s except those for estimated daily discharges and discharges below 10 ft<sup>3</sup>/s, which are poor. Maximum gage height for period probably occurred on Sept. 17, 1999. Maximum gage height for period from floodmarks. Minimum instantaneous flow for period is not determined.

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	6.7	.98	1.7	e1.3	1.8	6.6	42	.65	8.2	4.6	e3.0	2.6
2	5.3	1.1	1.3	1.3	1.3	3.9	66	e.60	42	4.1	e2.5	6.0
3	4.5	.99	1.5	1.4	1.6	2.1	66	e.60	47	1.6	e1.5	e4.0
4	4.5	.97	1.8	e1.4	1.3	17	50	.47	27	1.8	1.2	e3.5
5	4.7	1.3	1.8	e1.4	1.8	42	36	.57	15	4.1	.74	3.5
6	4.9	1.1	1.9	e1.3	2.1	e47	27	e.70	7.6	7.2	.43	3.4
7	4.4	1.0	1.8	1.2	2.0	e32	e21	.38	e4.0	4.8	.34	2.9
8	3.4	.79	1.9	1.3	2.2	14	e20	.33	e3.0	3.7	.36	2.5
9	3.8	1.4	2.0	1.4	2.4	10	e16	.35	3.5	3.7	.41	e2.5
10	3.5	2.2	2.1	1.1	2.5	6.8	e14	.40	3.4	e3.0	.45	e3.0
11	3.3	1.4	2.0	1.2	1.8	5.7	e12	e.40	3.0	e2.5	.44	e2.5
12	3.1	1.1	2.1	1.4	1.5	4.0	e10	e.40	1.8	e2.5	5.4	e2.0
13	e3.2	1.2	2.1	1.3	1.7	4.3	9.7	e.40	1.6	e2.0	4.2	e1.8
14	e2.8	1.3	1.9	1.5	1.8	3.9	6.3	e.35	7.5	e1.5	20	e1.4
15	e2.2	1.2	2.6	3.2	2.4	2.2	4.8	.29	69	e1.5	30	e1.1
16	e2.0	1.2	4.5	2.1	3.2	6.4	4.8	.17	129	1.2	20	e.80
17	e1.8	1.0	2.0	1.6	9.9	7.0	2.0	.19	153	.95	18	e.60
18	e1.7	1.0	2.6	1.4	16	5.0	3.4	e.25	115	.66	12	e.50
19	e1.7	1.2	3.2	1.3	8.5	4.2	2.9	e.30	71	.39	11	e.40
20	e1.6	1.4	2.5	3.3	5.0	1.9	4.2	e.40	44	.65	15	e.40
21	1.5	1.7	1.9	2.4	3.0	87	2.6	e.50	21	.44	16	e.30
22	1.4	1.6	1.7	1.8	8.3	160	e3.0	e.40	10	.38	11	e.30
23	1.4	1.3	1.9	1.5	28	92	e2.0	e.40	4.5	.29	4.3	e.30
24	e1.5	1.5	2.2	1.5	25	66	e1.9	.32	3.0	.34	3.5	e.40
25	1.4	1.9	1.7	1.4	14	46	2.0	e.30	4.5	e.50	e3.5	e.70
26	e1.6	3.2	1.6	1.4	14	34	e3.0	e.40	9.0	e.50	3.5	e.60
27	e1.6	4.5	1.5	1.5	12	24	e3.0	.43	7.2	e.60	e2.5	e.50
28	1.4	15	1.5	1.5	6.8	18	e3.0	1.7	8.0	e1.0	2.8	e.50
29	1.3	12	1.5	1.5	---	19	e2.0	13	6.7	e.80	e3.5	e.45
30	1.2	3.6	1.4	1.6	---	33	1.4	16	5.5	3.3	2.5	.40
31	e1.2	---	e1.3	1.6	---	39	---	12	---	e3.0	2.4	---
TOTAL	84.6	70.13	61.5	49.1	181.9	844.0	442.0	53.65	835.0	63.60	202.47	49.85
MEAN	2.73	2.34	1.98	1.58	6.50	27.2	14.7	1.73	27.8	2.05	6.53	1.66
MAX	6.7	15	4.5	3.3	28	160	66	16	153	7.2	30	6.0
MIN	1.2	.79	1.3	1.1	1.3	1.9	1.4	.17	1.6	.29	.34	.30
CFSM	.10	.08	.07	.06	.23	.95	.52	.06	.97	.07	.23	.06
IN.	.11	.09	.08	.06	.24	1.10	.57	.07	1.09	.08	.26	.06

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	50.4	13.2	5.54	28.0	32.7	25.0	17.4	10.5	13.1	1.87	3.32	107
MAX	98.0	24.1	9.10	54.4	57.9	27.2	24.5	22.1	27.8	2.47	6.53	274
(WY)	2000	2000	2000	2000	2000	2001	2000	1999	2001	1999	2001	1999
MIN	2.73	2.34	1.98	1.58	6.50	22.7	12.8	1.73	1.03	1.09	.11	1.66
(WY)	2001	2001	2001	2001	2001	2000	1999	2001	2000	2000	1999	2001

## SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	6815.75		2937.80			
ANNUAL MEAN	18.6		8.05		18.6	
HIGHEST ANNUAL MEAN					29.1	
LOWEST ANNUAL MEAN					8.05	
HIGHEST DAILY MEAN	262	Sep 24	160	Mar 22	1760	Sep 17 1999
LOWEST DAILY MEAN	.10	Jun 17	.17	May 16	.03	Aug 28 1999
ANNUAL SEVEN-DAY MINIMUM	.11	Jun 16	.28	May 13	.05	Aug 23 1999
MAXIMUM PEAK FLOW			207		e3960	
MAXIMUM PEAK STAGE			6.49		16.32*	
INSTANTANEOUS LOW FLOW			NOT DETERMINED		NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	.65		.28		.65	
ANNUAL RUNOFF (INCHES)	8.87		3.82		8.83	
10 PERCENT EXCEEDS	60		18		55	
50 PERCENT EXCEEDS	3.3		2.0		3.8	
90 PERCENT EXCEEDS	.50		.44		.39	

e Estimated.

\* See REMARKS.

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

