

NEUSE RIVER BASIN

0208521324 LITTLE RIVER AT SECONDARY ROAD 1461 NEAR ORANGE FACTORY, NC

LOCATION.--Lat 36°08'30", long 78°55'10", Durham County, Hydrologic Unit 03020201, on left bank, 80 feet downstream from bridge on Secondary Road 1461, and 1.8 mi northwest of Orange Factory.

DRAINAGE AREA.--78.2 mi².

PERIOD OF RECORD.--October 1987 to current year. Prior to October 1987, equivalent records published as "Little River near Orange Factory, NC" (02085220), September 1961 to September 1987.

GAGE.--Water-stage recorder. Datum of gage is 380 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge for period of record from extension of rating curve above 2,300 ft³/s, based on contracted-opening measurement of peak flow; maximum gage height, 13.26 ft, from high-water mark in gage shelter. Minimum discharge for period of record, no flow, also occurred Aug. 19-29, 1988.

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	8.1	2.2	2.7	e9.8	23	39	963	26	93	10	46	4.5
2	7.6	2.0	2.6	9.0	20	35	782	26	305	11	28	4.6
3	8.0	1.6	2.4	e9.1	19	34	252	25	80	11	20	4.2
4	7.5	1.9	e2.3	e9.7	18	108	171	24	45	12	16	3.6
5	6.4	1.9	e2.3	e9.1	20	198	122	22	32	30	15	3.3
6	5.0	1.5	2.5	9.1	21	142	96	21	28	29	13	3.2
7	4.3	1.9	2.3	e9.4	20	84	81	19	27	17	13	2.9
8	4.1	1.9	2.4	9.7	19	63	71	18	27	13	13	2.5
9	3.4	1.8	2.4	10	18	54	63	18	24	12	10	2.2
10	3.2	1.9	2.4	e11	18	47	56	18	21	18	9.7	5.0
11	3.0	1.8	2.3	9.5	18	42	54	18	20	22	e10	4.1
12	3.1	1.7	2.3	9.1	18	38	50	18	21	14	e72	3.0
13	3.1	2.3	2.3	8.7	22	39	49	16	23	12	e29	2.1
14	2.9	2.5	2.2	8.6	34	38	e46	14	43	9.8	e14	1.6
15	2.8	2.6	2.2	8.9	40	40	e43	13	50	8.1	11	1.2
16	2.6	3.7	2.7	9.1	41	76	e40	28	32	6.8	e8.6	1.0
17	2.3	5.5	239	9.5	621	67	37	37	27	6.4	8.0	.95
18	2.2	2.2	83	9.0	220	52	40	26	22	5.7	6.9	.84
19	2.0	2.1	36	13	107	43	35	21	19	5.6	6.1	.70
20	2.0	2.5	e27	151	72	46	32	17	16	4.9	6.3	.56
21	1.7	2.7	e21	129	59	e998	31	15	15	4.4	5.8	143
22	1.6	e2.4	17	61	52	367	30	15	14	3.9	5.2	62
23	1.3	2.4	e14	41	e50	181	30	15	21	3.4	5.0	21
24	1.4	2.3	e13	34	61	114	29	14	21	3.3	4.8	28
25	1.5	3.2	e13	28	57	86	38	12	17	3.3	4.2	58
26	1.6	9.6	e13	e24	57	71	50	32	15	4.6	3.5	22
27	1.7	10	11	21	52	61	36	34	13	465	3.6	13
28	1.8	6.2	11	20	43	54	33	22	12	129	4.0	8.4
29	1.9	4.1	e11	18	---	408	30	18	11	62	3.3	5.5
30	1.8	3.2	e11	19	---	1930	27	16	9.8	202	3.3	3.6
31	1.9	---	e11	23	---	367	---	13	---	94	3.7	---
TOTAL	101.8	91.6	569.3	750.3	1820	5922	3417	631	1103.8	1233.2	402.0	416.55
MEAN	3.28	3.05	18.4	24.2	65.0	191	114	20.4	36.8	39.8	13.0	13.9
MAX	8.1	10	239	151	621	1930	963	37	305	465	72	143
MIN	1.3	1.5	2.2	8.6	18	34	27	12	9.8	3.3	3.3	.56
CFSM	.04	.04	.23	.31	.83	2.44	1.46	.26	.47	.51	.17	.18
IN.	.05	.04	.27	.36	.87	2.82	1.63	.30	.53	.59	.19	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	31.3	39.3	57.0	132	134	187	112	54.8	38.7	30.3	21.5	52.2			
MAX	97.7	120	162	257	379	456	236	165	194	104	114	329			
(WY)	1996	1996	1997	1998	1998	1993	1993	1990	1995	1989	1989	1996			
MIN	.14	1.33	8.10	24.2	47.7	30.9	17.1	12.2	5.53	1.59	.37	1.27			
(WY)	1994	1999	1995	2001	1999	1988	1995	1995	1994	1988	1999	1990			

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1987 - 2001

ANNUAL TOTAL	21249.1	16458.55	
ANNUAL MEAN	58.1	45.1	73.9
HIGHEST ANNUAL MEAN			115
LOWEST ANNUAL MEAN			30.8
HIGHEST DAILY MEAN	1820	1930	6500
LOWEST DAILY MEAN	1.3	.56	.00
ANNUAL SEVEN-DAY MINIMUM	1.5	.98	.00
MAXIMUM PEAK FLOW		3080	11600*
MAXIMUM PEAK STAGE		6.78	13.26*
INSTANTANEOUS LOW FLOW		.43	.00*
ANNUAL RUNOFF (CFSM)	.74	.58	.94
ANNUAL RUNOFF (INCHES)	10.11	7.83	12.84
10 PERCENT EXCEEDS	140	72	150
50 PERCENT EXCEEDS	22	14	25
90 PERCENT EXCEEDS	2.3	2.2	1.9

e Estimated.
* See REMARKS.

0208521324 LITTLE RIVER AT SECONDARY ROAD 1461 NEAR ORANGE FACTORY, NC--Continued

