

NEUSE RIVER BASIN

02088500 LITTLE RIVER NEAR PRINCETON, NC

LOCATION.--Lat 35°30'40", long 78°09'38", Johnston County, Hydrologic Unit 03020201, on left bank 600 ft downstream of bridge on Secondary Road 2320, 0.8 mi upstream from Little Creek, and 3 mi north of Princeton.

DRAINAGE AREA.--232 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1930 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORD.--WSP 1233: 1935(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 107.75 ft above sea level. Prior to Nov. 17, 1934, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Slight fluctuation and occasional regulation for short periods is caused by mills upstream from station. Minimum discharge for period of record occurred frequently in June 1986 due to regulation from unknown source. Maximum discharge for period of record, from rating curve extended above 9,000 ft<sup>3</sup>/s, by logarithmic plotting.

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	555	26	124	90	110	156	1220	86	52	49	203	36
2	314	27	107	86	103	139	1390	72	262	42	131	33
3	199	31	108	82	92	129	1420	62	319	36	93	32
4	149	31	117	78	85	280	1440	53	300	32	73	31
5	119	33	119	81	112	623	1410	45	253	49	60	32
6	100	33	114	82	157	628	922	39	154	310	53	31
7	84	42	108	81	154	505	540	34	95	287	45	29
8	71	35	104	83	129	375	387	31	65	138	38	27
9	62	36	100	97	114	266	309	29	50	101	33	27
10	55	43	93	105	111	208	256	28	42	80	32	26
11	50	42	91	98	102	172	215	26	35	65	44	33
12	48	45	91	92	91	151	190	30	31	53	156	119
13	44	43	83	92	104	145	175	25	26	44	449	156
14	41	52	87	91	127	153	157	19	37	38	590	86
15	40	76	98	90	145	156	141	18	82	34	608	55
16	39	79	98	90	148	278	129	29	239	30	352	41
17	39	79	255	85	221	277	116	29	1020	26	219	33
18	36	76	684	79	360	222	109	33	1040	23	205	30
19	33	79	421	75	345	175	99	36	648	29	145	27
20	31	113	293	93	290	154	90	39	361	21	124	24
21	30	129	231	196	231	955	86	44	197	20	107	22
22	29	114	196	226	210	1510	82	70	114	23	86	19
23	27	98	173	174	264	1360	78	80	85	21	82	16
24	32	87	150	151	266	1130	73	73	74	19	67	23
25	31	91	135	131	235	916	137	54	74	18	55	51
26	27	293	121	114	239	582	247	51	97	18	47	95
27	27	356	115	103	221	364	241	55	80	54	44	95
28	27	258	113	96	181	273	176	44	83	155	51	64
29	29	189	110	89	---	353	137	48	75	325	66	51
30	29	152	105	90	---	977	106	48	61	248	47	43
31	27	---	98	104	---	1240	---	40	---	228	39	---
TOTAL	2424	2788	4842	3224	4947	14852	12078	1370	6051	2616	4344	1387
MEAN	78.2	92.9	156	104	177	479	403	44.2	202	84.4	140	46.2
MAX	555	356	684	226	360	1510	1440	86	1040	325	608	156
MIN	27	26	83	75	85	129	73	18	26	18	32	16
CFSM	.34	.40	.67	.45	.76	2.07	1.74	.19	.87	.36	.60	.20
IN.	.39	.45	.78	.52	.79	2.38	1.94	.22	.97	.42	.70	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	147	146	229	392	473	479	324	185	150	176	179	183	1202	645	717	999	1285	1204	969	835	698	826	783	2861	1965	1948	1937	1954	1948	1989	1959	1989	1995	1959	1931	1999	6.00	13.0	16.0	24.1	49.6	120	53.3	17.3	10.9	12.4	4.10	2.84	1934	1934	1934	1934	1934	1981	1986	1986	1999	1999	1993	1980												

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1930 - 2001

ANNUAL TOTAL	96572	60923	
ANNUAL MEAN	264	167	256
HIGHEST ANNUAL MEAN			511
LOWEST ANNUAL MEAN			91.8
HIGHEST DAILY MEAN	1540	Feb 1	17600
LOWEST DAILY MEAN	20	Jun 16	.08
ANNUAL SEVEN-DAY MINIMUM	24	May 17	.36
MAXIMUM PEAK FLOW			20700*
MAXIMUM PEAK STAGE			16.58
INSTANTANEOUS LOW FLOW			.08*
ANNUAL RUNOFF (CFSM)	1.14	.72	1.10
ANNUAL RUNOFF (INCHES)	15.48	9.77	14.99
10 PERCENT EXCEEDS	674	333	630
50 PERCENT EXCEEDS	141	91	117
90 PERCENT EXCEEDS	33	29	20

\* See REMARKS.

02088500 LITTLE RIVER NEAR PRINCETON, NC--Continued

