

CAPE FEAR RIVER BASIN

02102000 DEEP RIVER AT MONCURE, NC

LOCATION.--Lat 35°37'38", long 79°06'58", Lee County, Hydrologic Unit 03030003, on right bank 1.0 mi upstream from Lockville Dam, 1.2 mi upstream from bridge on U.S. Highway 1, 1.5 mi northwest of Moncure, 2.2 mi downstream of Rocky River, and 4.5 mi upstream from confluence with Haw River.

DRAINAGE AREA.--1,434 mi².

PERIOD OF RECORD.--July 1930 to current year. Records for May 1898 to December 1899 published in 21st Annual Report, Part 4, and in Bulletins 34 and 39 of North Carolina Department of Conservation and Development have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: (1930-46 not previously published). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 185.06 ft above sea level. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diurnal fluctuation and some regulation at low flow caused by small power plants upstream from station. Minimum discharge for current water year, due to regulation.

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	284	104	259	126	180	585	7190	340	1680	128	105	344
2	158	90	136	174	205	401	5070	252	6120	155	85	168
3	216	87	126	99	296	373	3740	236	2350	236	197	118
4	110	87	126	144	169	1690	2180	171	1010	226	88	104
5	168	86	125	103	239	3470	1580	273	538	3290	75	88
6	111	85	123	118	285	2610	1260	129	292	2260	84	68
7	108	85	122	132	112	1600	1000	129	248	1000	170	65
8	107	85	119	136	233	1010	788	242	222	470	87	73
9	105	86	119	203	113	726	762	118	152	e426	67	71
10	102	86	109	103	228	575	719	207	186	419	82	68
11	99	85	64	196	107	400	600	115	120	375	170	72
12	97	82	52	104	162	356	553	227	204	157	551	91
13	97	78	100	205	283	473	451	125	355	217	253	76
14	95	83	113	109	270	368	446	92	1180	119	553	68
15	94	90	114	143	495	373	369	178	1220	92	334	64
16	92	84	120	188	566	501	417	115	671	97	248	60
17	90	80	314	203	1280	1120	426	95	918	177	202	59
18	87	109	1450	100	4380	1100	353	104	626	94	93	59
19	87	206	1180	136	2890	741	379	232	358	77	93	59
20	87	156	674	229	1300	604	338	120	240	79	412	62
21	85	153	492	300	853	e4300	344	152	256	100	572	63
22	85	181	318	1280	579	4550	189	245	159	82	332	65
23	83	164	87	862	585	3230	264	202	1560	81	229	163
24	78	172	139	533	605	1830	329	106	1850	136	104	115
25	76	160	204	355	585	1150	238	184	998	98	205	249
26	64	214	176	302	569	853	343	111	639	82	118	269
27	68	194	217	328	576	652	493	139	695	93	88	329
28	60	403	118	138	751	481	628	191	506	143	91	336
29	65	395	225	195	---	1680	406	477	246	106	91	255
30	78	243	142	278	---	15300	352	405	322	109	168	96
31	180	---	111	192	---	12600	---	173	---	244	957	---
TOTAL	3316	4213	7774	7714	18896	65702	32207	5885	25921	11368	6904	3777
MEAN	107	140	251	249	675	2119	1074	190	864	367	223	126
MAX	284	403	1450	1280	4380	15300	7190	477	6120	3290	957	344
MIN	60	78	52	99	107	356	189	92	120	77	67	59
CFSM	.07	.10	.17	.17	.47	1.48	.75	.13	.60	.26	.16	.09
IN.	.09	.11	.20	.20	.49	1.70	.84	.15	.67	.29	.18	.10

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	732	833	1295	2413	2877	2866	2047	1110	783	839	806	808																																																												
MAX	3590	4789	4765	7182	7945	7582	6455	3590	4147	5528	3861	10580																																																												
(WY)	1965	1986	1973	1978	1960	1998	1936	1989	1982	1975	1931	1945																																																												
MIN	28.2	14.1	34.6	130	424	566	393	190	135	79.7	75.2	24.1																																																												
(WY)	1931	1942	1934	1934	1931	1981	1981	2001	1977	1986	1980	1968																																																												

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

	2000 CALENDAR YEAR	2001 WATER YEAR	WATER YEARS 1930 - 2001
ANNUAL TOTAL	336389	193677	
ANNUAL MEAN	919	531	1445
HIGHEST ANNUAL MEAN			2711
LOWEST ANNUAL MEAN			531
HIGHEST DAILY MEAN	11000	Jan 31	15300
LOWEST DAILY MEAN	52	Dec 12	52
ANNUAL SEVEN-DAY MINIMUM	59	Aug 27	61
MAXIMUM PEAK FLOW			18300
MAXIMUM PEAK STAGE			8.24
INSTANTANEOUS LOW FLOW			47*
ANNUAL RUNOFF (CFSM)	.64	.37	1.01
ANNUAL RUNOFF (INCHES)	8.73	5.02	13.69
10 PERCENT EXCEEDS	2530	1050	3300
50 PERCENT EXCEEDS	298	192	532
90 PERCENT EXCEEDS	85	83	99

e Estimated.

* See REMARKS.

02102000 DEEP RIVER AT MONCURE, NC--Continued

