

02102000 DEEP RIVER AT MONCURE, NC

LOCATION.--Lat 35°37'37", 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 mi<sup>2</sup>.

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 NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records above 250 ft<sup>3</sup>/s are fair. Records below 250 ft<sup>3</sup>/s, and those for estimated daily discharges, are poor. Diurnal fluctuation and some regulation at low flow caused by small power plants upstream from station.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,620	213	1,020	384	1,370	8,810	2,190	532	213	e160	2,560	e82
2	3,430	231	735	386	1,090	4,740	2,030	627	238	e141	1,390	e77
3	2,630	232	641	373	897	2,310	2,150	684	1,500	e126	848	e71
4	1,400	240	599	363	2,730	1,530	1,760	633	1,250	e122	568	e66
5	932	295	542	366	2,860	1,190	1,350	538	796	e140	329	e61
6	640	294	459	364	1,730	1,010	1,100	475	613	260	e200	e62
7	492	473	407	368	1,170	893	1,000	467	420	e228	e111	e62
8	406	383	465	390	923	1,810	1,330	425	537	e614	e104	e61
9	302	295	491	324	781	4,530	7,140	413	849	977	e147	e59
10	282	246	1,640	364	725	2,950	4,900	455	1,480	e299	732	e57
11	278	229	6,170	350	652	1,730	2,210	410	2,590	e361	1,740	e55
12	278	234	4,970	293	631	1,280	1,520	513	1,260	266	1,170	e54
13	775	383	2,030	337	616	1,070	2,480	434	806	250	e700	e51
14	2,610	1,610	1,210	10,100	530	1,040	6,760	392	511	e288	e380	e46
15	1,240	1,190	876	14,500	577	1,370	4,990	446	360	241	e220	e54
16	680	655	692	10,800	735	1,730	2,410	409	283	e245	e175	e46
17	491	455	576	2,630	847	11,500	1,540	386	e235	e251	e162	e50
18	383	368	533	1,490	694	10,600	1,120	350	e226	e303	e181	e54
19	301	355	446	1,100	602	4,700	1,010	284	e213	e245	e181	e62
20	291	330	440	846	527	2,510	904	304	e179	e234	e157	e70
21	229	289	435	782	498	1,810	794	320	e160	e205	e152	e91
22	236	257	405	742	508	1,410	740	342	e147	e192	269	e113
23	258	346	411	684	565	1,390	687	382	e138	1,530	e223	e92
24	263	970	579	630	1,140	2,030	625	370	e133	373	e177	e78
25	249	1,250	870	531	2,830	2,190	569	330	e127	e157	e200	e67
26	245	1,270	863	521	2,240	1,650	550	278	e117	e121	e142	e62
27	266	1,130	598	513	1,360	1,270	532	278	e115	e101	e115	e60
28	229	1,890	498	493	4,260	4,230	524	263	133	e102	e102	e68
29	221	2,480	440	476	---	10,500	501	273	180	1,380	e99	e72
30	234	1,660	411	564	---	6,010	476	225	e209	555	e95	e68
31	226	---	387	1,130	---	3,280	---	185	---	2,110	e88	---
TOTAL	24,117	20,253	30,839	53,194	34,088	103,073	55,892	12,423	16,018	12,577	13,717	1,971
MEAN	778	675	995	1,716	1,217	3,325	1,863	401	534	406	442	65.7
MAX	3,620	2,480	6,170	14,500	4,260	11,500	7,140	684	2,590	2,110	2,560	113
MIN	221	213	387	293	498	893	476	185	115	101	88	46
CFSM	0.54	0.47	0.69	1.20	0.85	2.32	1.30	0.28	0.37	0.28	0.31	0.05
IN.	0.63	0.53	0.80	1.38	0.88	2.67	1.45	0.32	0.42	0.33	0.36	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	740	835	1,304	2,351	2,822	2,866	2,062	1,103	785	828	826	829
MAX	3,590	4,789	4,765	7,182	7,945	7,582	6,455	3,590	4,147	5,528	3,861	10,580
(WY)	(1965)	(1986)	(1973)	(1978)	(1960)	(1998)	(1936)	(1989)	(1982)	(1975)	(1931)	(1945)
MIN	28.2	14.1	34.6	130	424	566	393	125	68.6	79.7	46.9	24.1
(WY)	(1931)	(1942)	(1934)	(1934)	(1931)	(1981)	(1981)	(2002)	(2002)	(1986)	(2002)	(1968)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	373,341		378,162		1,441	
ANNUAL MEAN	1,020		1,036		391	
HIGHEST ANNUAL MEAN					2,999	2003
LOWEST ANNUAL MEAN					391	2002
HIGHEST DAILY MEAN	13,000	Sep 9	14,500	Jan 15	66,400	Sep 18, 1945
LOWEST DAILY MEAN	105	Aug 12	46	Sep 14	6.0	Oct 9, 1954
ANNUAL SEVEN-DAY MINIMUM	144	Aug 7	51	Sep 12	6.6	Oct 8, 1954
MAXIMUM PEAK FLOW			19,000	Jan 14	80,300	Sep 18, 1945
MAXIMUM PEAK STAGE			8.37	Jan 14	17.20	Sep 18, 1945
INSTANTANEOUS LOW FLOW			NOT DETERMINED		5.5	Oct 10, 1954
ANNUAL RUNOFF (CFSM)	0.711		0.722		1.00	
ANNUAL RUNOFF (INCHES)	9.68		9.81		13.65	
10 PERCENT EXCEEDS	2,360		2,270		3,300	
50 PERCENT EXCEEDS	537		467		533	
90 PERCENT EXCEEDS	213		108		98	

e Estimated.

