

## CAPE FEAR RIVER BASIN

02096500 HAW RIVER AT HAW RIVER, NC

LOCATION.--Lat 36°05'13", long 79°22'02", Alamance County, Hydrologic unit 03030002, on left bank at Haw River, 650 ft downstream of Southern Railway bridge, 800 ft downstream of bridge on U.S. Highway 70 and State Highway 49, and 3 mi downstream of Stony Creek.

DRAINAGE AREA.--606 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to current year.

REVISED RECORDS.--WSP 757: 1929 (M). WSP 782: 1934. WSP 1383: 1930,1932(M), 1933(m), 1936, 1943, 1944 (M), 1947(m). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 471.69 ft above sea level. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Diurnal fluctuations and occasional regulation at low flows. City of Burlington diverted an average of 2.5 ft<sup>3</sup>/s from two Stony Creek Reservoirs (stations 02096003 and 02096432) for municipal water supply, about half of which was returned upstream of station as treated effluent, the remainder was returned downstream of station. Maximum discharge for period of record from rating curve extended above 38,000 ft<sup>3</sup>/s, by logarithmic plotting; maximum gage height, 32.83 ft, from flood mark. Minimum discharge for current water year also occurred Sept. 17, 30.

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	231	128	169	139	276	384	4770	185	455	96	281	210
2	208	126	155	149	245	328	5310	183	1140	98	309	176
3	195	114	147	144	226	469	3080	175	416	116	207	146
4	180	114	144	153	200	1280	2350	166	263	110	163	105
5	171	111	146	157	200	1680	1490	158	220	1990	140	157
6	161	114	145	154	194	994	828	151	224	429	128	115
7	148	118	148	155	192	564	623	143	409	193	117	96
8	139	124	151	170	184	390	510	139	278	167	110	96
9	134	140	146	257	182	315	437	139	193	257	109	103
10	134	189	140	224	189	305	383	136	165	302	102	145
11	130	181	143	193	207	261	347	169	147	249	141	269
12	130	143	145	183	238	244	324	163	137	143	711	154
13	129	133	143	182	325	267	332	229	142	124	310	101
14	133	154	145	175	304	317	364	180	426	113	260	91
15	120	304	158	170	311	332	304	127	245	108	208	83
16	152	174	160	173	332	1110	289	247	159	100	162	78
17	138	151	422	172	3390	652	284	539	134	100	133	77
18	126	143	482	190	2660	527	277	347	123	124	161	78
19	121	141	274	454	1030	389	261	241	109	215	310	77
20	115	150	259	2450	702	392	235	199	106	167	148	99
21	115	175	233	1960	471	4370	211	195	103	122	123	293
22	110	148	193	1010	398	3560	213	324	118	110	110	117
23	113	136	180	707	400	1680	209	255	425	110	102	84
24	114	130	153	474	384	1160	212	244	236	116	139	164
25	121	158	151	348	373	818	295	199	135	118	278	496
26	124	537	132	278	807	550	599	1340	142	680	111	195
27	131	293	147	248	512	437	296	1210	161	1500	101	111
28	126	223	150	220	426	382	261	479	226	1210	169	92
29	114	194	154	211	---	1060	230	388	122	347	109	87
30	110	182	149	230	---	6790	202	306	105	837	116	77
31	120	---	142	399	---	3090	---	238	---	520	259	---
TOTAL	4293	5128	5606	12129	15358	35097	25526	9194	7264	10871	5827	4172
MEAN	138	171	181	391	548	1132	851	297	242	351	188	139
MAX	231	537	482	2450	3390	6790	5310	1340	1140	1990	711	496
MIN	110	111	132	139	182	244	202	127	103	96	101	77
CFSM	.23	.28	.30	.65	.91	1.87	1.40	.49	.40	.58	.31	.23
IN.	.26	.31	.34	.74	.94	2.15	1.57	.56	.45	.67	.36	.26

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	391	401	565	905	1010	1017	826	487	417	392	350	426
MAX	2480	1286	1487	2977	2492	3276	2771	1948	2145	2348	1662	4373
(WY)	1960	1948	1946	1937	1998	1993	1987	1978	1982	1984	1939	1996
MIN	48.9	61.1	118	172	272	289	184	139	101	70.9	57.2	33.4
(WY)	1942	1954	1934	1956	1931	1967	1967	1986	1986	1932	1953	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1929 - 2001
ANNUAL TOTAL	186835	140465	
ANNUAL MEAN	510	385	597
HIGHEST ANNUAL MEAN			1082
LOWEST ANNUAL MEAN			229
HIGHEST DAILY MEAN	4450	Sep 16	42000
LOWEST DAILY MEAN	97	Aug 25	5.0
ANNUAL SEVEN-DAY MINIMUM	116	Oct 19	83
MAXIMUM PEAK FLOW			8150
MAXIMUM PEAK STAGE			16.14
INSTANTANEOUS LOW FLOW			72*
ANNUAL RUNOFF (CFSM)	.84	.64	.98
ANNUAL RUNOFF (INCHES)	11.47	8.62	13.38
10 PERCENT EXCEEDS	1280	663	1240
50 PERCENT EXCEEDS	260	182	295
90 PERCENT EXCEEDS	126	110	102

\* See REMARKS.

02096500 HAW RIVER AT HAW RIVER, NC--Continued

