

02096500 HAW RIVER AT HAW RIVER, NC

LOCATION.--Lat 36°05'14", long 79°21'58", 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 mi².

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 NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Diurnal fluctuations and occasional regulation at low flows. City of Burlington diverted an average of 4.9 ft³/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 ft³/s, by logarithmic plotting; maximum gage height, 32.83 ft, from flood mark. Minimum discharge for current water year also occurred Sept. 12.

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	1,320	179	754	260	593	2,690	1,270	503	171	139	269	102
2	1,160	179	721	257	530	1,340	1,080	659	217	131	204	97
3	799	180	465	254	580	844	1,110	399	578	116	163	93
4	474	313	374	260	1,640	636	671	330	576	136	146	103
5	347	671	327	419	1,080	546	512	281	354	440	132	102
6	280	346	301	292	840	523	437	283	305	254	121	96
7	242	274	314	258	479	440	531	381	277	211	113	90
8	215	238	794	252	423	521	1,520	284	306	1,140	111	88
9	205	209	394	244	428	870	1,600	257	813	442	359	87
10	193	188	8,580	231	434	552	721	238	907	351	767	87
11	183	179	6,610	231	453	428	518	227	705	272	251	85
12	174	1,190	2,990	229	364	412	481	220	550	215	234	82
13	210	4,220	1,630	261	349	379	721	234	410	195	242	83
14	557	1,210	1,160	5,790	375	351	641	224	419	2,330	212	85
15	257	850	772	3,750	551	387	509	210	333	1,220	167	93
16	197	692	533	1,320	458	532	397	222	251	442	141	91
17	164	498	459	929	420	2,150	349	215	207	315	189	94
18	157	383	429	661	348	1,970	322	197	179	274	201	113
19	165	332	377	458	306	1,070	303	218	154	e260	135	89
20	259	300	340	396	280	833	295	1,320	144	e240	133	91
21	278	267	300	394	282	596	294	1,060	135	e200	441	101
22	241	249	295	427	325	474	292	521	133	e230	192	99
23	224	594	406	425	295	694	297	352	132	e260	140	98
24	212	2,600	967	330	373	2,070	301	296	124	e200	193	89
25	221	2,230	455	297	771	1,230	280	271	118	e140	137	88
26	209	1,500	361	299	452	1,010	260	239	115	119	124	87
27	195	923	314	299	363	881	252	199	115	115	130	139
28	191	2,140	284	286	1,900	3,840	245	182	162	117	124	96
29	188	1,400	269	254	---	4,570	248	186	244	511	118	88
30	187	921	272	397	---	2,090	315	179	156	627	103	82
31	188	---	265	896	---	1,380	---	171	---	430	102	---
TOTAL	9,892	25,455	32,512	21,056	15,692	36,309	16,772	10,558	9,290	12,072	6,094	2,818
MEAN	319	848	1,049	679	560	1,171	559	341	310	389	197	93.9
MAX	1,320	4,220	8,580	5,790	1,900	4,570	1,600	1,320	907	2,330	767	139
MIN	157	179	265	229	280	351	245	171	115	115	102	82
CFSM	0.53	1.40	1.73	1.12	0.92	1.93	0.92	0.56	0.51	0.64	0.32	0.16
IN.	0.61	1.56	2.00	1.29	0.96	2.23	1.03	0.65	0.57	0.74	0.37	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	395	412	582	886	998	1,025	828	490	427	394	357	450
MAX	2,480	1,286	1,553	2,977	2,492	3,276	2,771	1,948	2,145	2,348	1,662	4,373
(WY)	(1960)	(1948)	(2003)	(1937)	(1998)	(1993)	(1987)	(1978)	(1982)	(1984)	(1939)	(1996)
MIN	48.9	61.1	118	172	236	289	164	107	74.5	70.9	57.2	33.4
(WY)	(1942)	(1954)	(1934)	(1956)	(2002)	(1967)	(2002)	(2002)	(2002)	(1932)	(1953)	(1954)

02096500 HAW RIVER AT HAW RIVER, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	212,959		198,520		602	
ANNUAL MEAN	582		544		1,489	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	8,580	Dec 10	8,580	Dec 10	42,000	Sep 7, 1996
LOWEST DAILY MEAN	102	Jul 17	82	Sep 12	5.0	Sep 6, 1930
ANNUAL SEVEN-DAY MINIMUM	132	Aug 23	85	Sep 8	16	Oct 7, 1954
MAXIMUM PEAK FLOW			12,900	Dec 10	51,400*	Sep 6, 1996
MAXIMUM PEAK STAGE			19.65	Dec 10	32.83*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			75*	Sep 11	3.0	Sep 5, 1930
ANNUAL RUNOFF (CFSM)	0.960		0.898		0.993	
ANNUAL RUNOFF (INCHES)	13.07		12.19		13.49	
10 PERCENT EXCEEDS	1,150		1,150		1,260	
50 PERCENT EXCEEDS	312		296		296	
90 PERCENT EXCEEDS	165		116		101	

* See REMARKS.
e Estimated.

