

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.

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 4.5 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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	337	328	333	347	398	609	741	280	165	456	234	235
2	317	286	303	352	344	574	604	373	141	210	245	167
3	302	267	272	331	1,520	584	375	890	127	167	346	139
4	274	255	247	321	2,050	531	321	705	406	178	256	124
5	262	258	348	328	1,180	448	289	566	1,030	194	166	116
6	253	265	467	385	897	433	261	396	297	191	147	472
7	247	375	416	376	3,730	595	244	304	227	134	130	1,220
8	247	358	362	308	2,120	451	251	258	307	258	117	4,920
9	266	293	321	312	1,460	391	248	226	500	181	186	6,430
10	601	258	445	348	1,140	357	236	208	295	151	115	2,420
11	388	252	2,090	344	893	342	234	197	286	261	107	1,690
12	512	256	1,420	312	932	315	426	190	297	223	187	988
13	397	266	772	325	773	306	2,150	184	205	160	347	543
14	343	254	2,470	312	523	289	2,600	176	175	136	868	360
15	383	237	2,640	300	470	283	1,660	174	171	127	1,180	617
16	373	261	1,560	288	641	343	950	161	1,030	110	478	574
17	292	253	1,280	294	733	663	682	264	1,010	102	326	752
18	269	258	1,510	303	631	499	518	203	480	917	758	2,560
19	252	317	1,140	367	668	473	431	e200	293	1,280	321	997
20	239	928	980	339	599	423	406	e240	560	410	254	551
21	236	490	763	299	545	376	369	e280	291	308	e190	421
22	231	413	600	271	498	346	340	239	250	176	e180	309
23	218	355	508	264	454	310	316	295	242	143	e165	241
24	222	315	485	262	465	288	301	242	271	191	e140	208
25	209	308	506	265	415	272	281	217	239	121	127	175
26	207	331	400	297	375	269	279	172	240	106	117	166
27	284	301	344	313	412	274	445	154	466	116	118	162
28	375	333	329	309	587	281	385	154	253	677	122	4,770
29	827	483	321	345	712	265	333	145	230	1,020	133	5,860
30	742	386	326	405	---	252	293	168	218	1,200	908	2,370
31	393	---	373	513	---	275	---	233	---	363	726	---
TOTAL	10,498	9,940	24,331	10,135	26,165	12,117	16,969	8,494	10,702	10,267	9,694	40,557
MEAN	339	331	785	327	902	391	566	274	357	331	313	1,352
MAX	827	928	2,640	513	3,730	663	2,600	890	1,030	1,280	1,180	6,430
MIN	207	237	247	262	344	252	234	145	127	102	107	116
CFSM	0.56	0.55	1.30	0.54	1.49	0.65	0.93	0.45	0.59	0.55	0.52	2.23
IN.	0.64	0.61	1.49	0.62	1.61	0.74	1.04	0.52	0.66	0.63	0.60	2.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	396	407	576	889	1,004	1,023	831	492	429	394	359	455
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)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	469,487		189,869		602	
ANNUAL MEAN	1,286		519		1,489	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	13,800	Mar 21	6,430	Sep 9	42,000	Sep 7, 1996
LOWEST DAILY MEAN	207	Oct 26	102	Jul 17	5.0	Sep 6, 1930
ANNUAL SEVEN-DAY MINIMUM	223	Oct 20	132	Aug 23	16	Oct 7, 1954
MAXIMUM PEAK FLOW			7,760	Sep 28	51400*	Sep 6, 1996
MAXIMUM PEAK STAGE			15.68	Sep 28	32.83*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			97	Jul 17	3.0	Sep 5, 1930
ANNUAL RUNOFF (CFSM)	2.12		0.856		0.994	
ANNUAL RUNOFF (INCHES)	28.82		11.66		13.51	
10 PERCENT EXCEEDS	2,940		982		1,260	
50 PERCENT EXCEEDS	655		316		296	
90 PERCENT EXCEEDS	258		167		101	

* See REMARKS.
e Estimated.

