01200500 HOUSATONIC RIVER AT GAYLORDSVILLE, CT

LOCATION.--Lat 41°39'11", long 73°29'25", Litchfield County, Hydrologic Unit 01100005, on left bank 0.4 mi downstream from hydroelectric plant of Connecticut Light and Power Co., 0.5 mi upstream from bridge on U.S. Rt. 7 at Gaylordsville, 1.5 mi downstream from Tenmile River, and at mile 50.6.
DRAINAGE AREA.--996 mi^2.
PERIOD of RECORD.--Discharge: October 1900 to December 1904 (fragmentary), January 1905 to December 1908 (gage heights only), January 1909 to December 1912 (fragmentary), January 1913 to October 1914 (gage heights only), November 1914 (fragmentary), July 1940 to current year.
Water-quality records: Water years 1960, 1968.
Daily water temperature: Water years 1960, 1968.
Daily suspended-sediment discharge: Water years 1979-80.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 236.78 ft above sea level. October 1900 to November 1914, nonrecording gage on covered bridge 0.6 mi downstream at different datum. Satellite telemetry at station.
REMARKS.--Records good, except those for periods of estimated record, which are fair. Ordinary flow regulated by power plant upstream. High flow is regulated by flood-control reservoirs in 20.5 mi^2 of the Blackberry River Basin, but flood control does not affect monthly runoff appreciably.
EXTREMES OUTSIDE PERIOD of RECORD.--Flood in May 1854 reached a stage of 21 ft^3 in, former site and datum; reported by observer in 1902. Flood of Sept. 22, 1938, reached a stage of 14.5 ft, from floodmarks, at present site, discharge, 37,000 ft^3/s, by computation of peak flow over dam 2.5 mi upstream adjusted for flow from intervening area.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 8	0145	*6,300	*6.96	No other peak greater than base discharge.			

Minimum discharge, 146 ft^3/s, Sept. 12, 13, 14, 15, gage height, 1.19 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

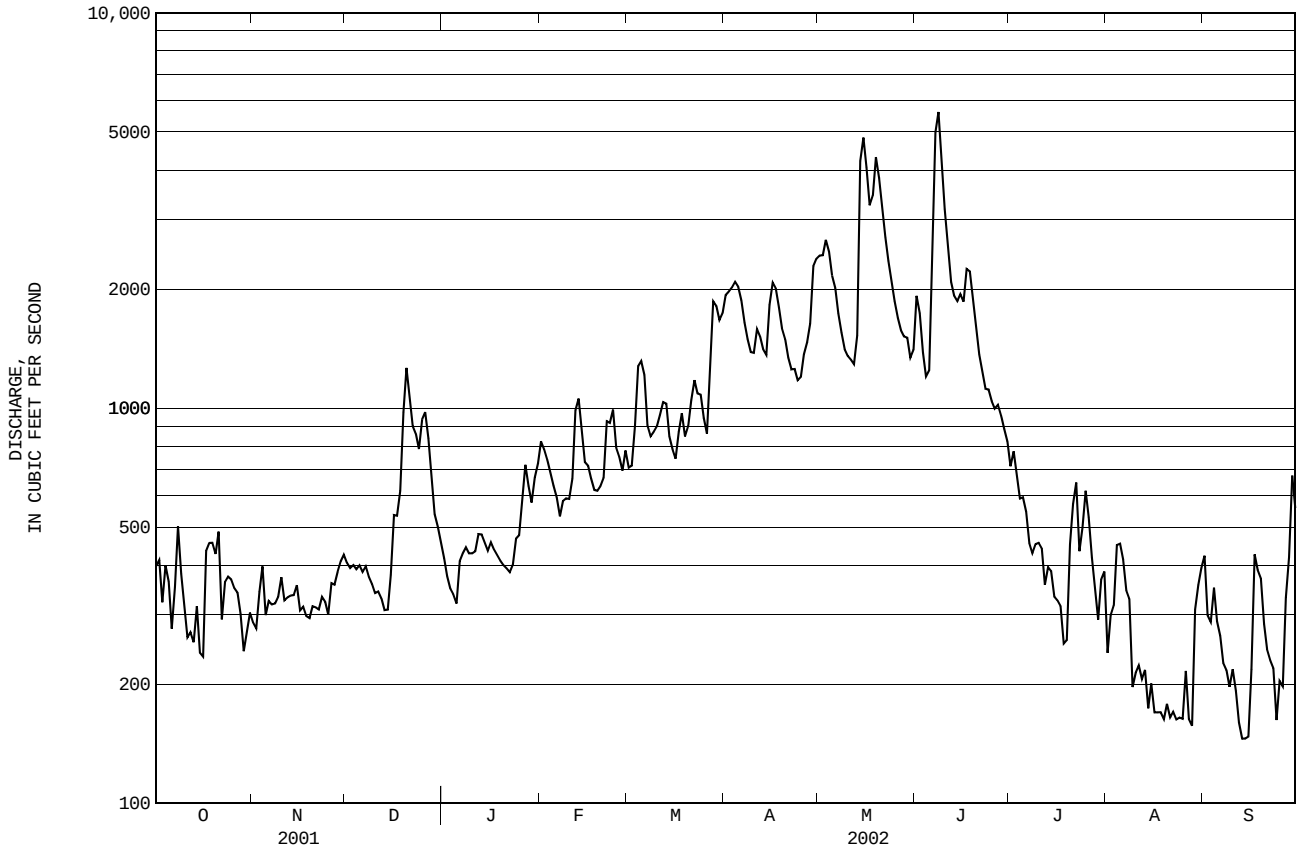
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	398	287	406	e418	e824	708	1930	2430	1920	713	241	423
2	412	277	394	e376	e786	716	1970	2440	1740	778	299	299
3	323	343	401	e349	e741	901	2020	2670	1380	676	317	288
4	400	398	391	e338	e685	1280	2090	2490	1200	590	450	351
5	364	300	400	e321	e637	1320	2030	2160	1250	595	454	289
6	277	325	386	410	e595	1210	1870	2010	2410	547	415	266
7	353	319	398	429	532	906	1640	1740	4980	455	346	227
8	503	320	375	445	582	849	1500	1550	5610	429	329	217
9	381	333	359	429	591	871	1390	1410	4280	453	197	197
10	319	373	341	429	590	900	1380	1360	3190	456	214	219
11	263	326	344	435	663	961	1590	1330	2540	441	223	193
12	271	332	330	480	988	1040	1520	1290	2090	357	206	160
13	256	336	309	479	1060	1030	1410	1530	1920	396	218	146
14	316	337	309	458	873	849	1360	4220	1870	387	174	146
15	241	356	379	436	731	787	1820	4840	1940	334	201	148
16	235	308	536	458	716	745	2080	4070	1860	326	170	218
17	436	315	535	e438	664	872	2010	3260	2250	316	170	427
18	456	298	618	e425	621	971	1800	3450	2220	254	170	390
19	457	295	977	e411	618	848	1590	4320	1920	259	163	371
20	428	315	1260	401	635	901	1490	3820	1640	452	179	284
21	487	313	1050	e394	666	1050	1340	3230	1360	571	165	245
22	292	310	901	385	926	1180	1250	2710	1240	648	171	230
23	363	333	861	402	918	1090	1260	2360	1120	435	163	220
24	375	324	788	468	991	1080	1180	2090	1110	498	165	163
25	369	300	937	477	794	945	1200	1860	1040	618	164	204
26	351	361	977	584	753	862	1370	1690	997	530	216	198
27	342	358	e838	719	695	1210	1470	1570	1020	419	164	331
28	302	386	e664	635	781	1860	1640	1520	956	352	157	419
29	243	409	e539	577	---	1810	2290	1510	886	292	310	675
30	274	426	e501	e668	---	1670	2390	1340	823	368	357	559
31	304	---	e460	e725	---	1740	---	1400	---	386	394	---
TOTAL	10791	10013	17964	14399	20656	33162	49880	73670	58762	14331	7562	8503
MEAN	348	334	579	464	738	1070	1663	2376	1959	462	244	283
MAX	503	426	1260	725	1060	1860	2390	4840	5610	778	454	675
MIN	235	277	309	321	532	708	1180	1290	823	254	157	146
CFSM	0.35	0.34	0.58	0.47	0.74	1.07	1.67	2.39	1.97	0.46	0.24	0.28
IN.	0.40	0.37	0.67	0.54	0.77	1.24	1.86	2.75	2.19	0.54	0.28	0.32

STATISTICS of MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2002, BY WATER YEAR (WY)

MEAN	933	1412	1742	1833	1867	3011	3494	2202	1469	880	724	631
MAX	4500	5024	4926	6599	4398	6529	6685	5079	4538	3323	4433	2297
(WY)	1956	1956	1997	1949	1976	1977	1993	1989	1984	1972	1955	1975
MIN	203	203	411	288	592	1037	972	810	389	236	213	153
(WY)	1965	1965	1965	1981	1980	1965	1985	1965	1964	1965	1964	1995

e Estimated.

01200500 HOUSATONIC RIVER AT GAYLORDSVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1941 - 2002	
ANNUAL TOTAL	502345		319693			
ANNUAL MEAN	1376		876		1681	
HIGHEST ANNUAL MEAN					2557	1996
LOWEST ANNUAL MEAN					572	1965
HIGHEST DAILY MEAN	10100	Apr 11	5610	Jun 8	38800	Aug 19 1955
LOWEST DAILY MEAN	148	Sep 1	146	Sep 13	**a**60	Aug 31 1944
ANNUAL SEVEN-DAY MINIMUM	168	Sep 1	167	Aug 19	104	Aug 18 1981
MAXIMUM PEAK FLOW			6300	Jun 8	51800	Aug 19 1955
MAXIMUM PEAK STAGE			6.96	Jun 8	18.58	Aug 19 1955
INSTANTANEOUS LOW FLOW			**c**146	Sep 12	**b**30	Oct 28 1914
ANNUAL RUNOFF (CFSM)	1.38		0.88		1.69	
ANNUAL RUNOFF (INCHES)	18.76		11.94		22.93	
10 PERCENT EXCEEDS	3390		1920		3660	
50 PERCENT EXCEEDS	850		503		1150	
90 PERCENT EXCEEDS	276		239		328	

a Also occurred on Sep. 20, 1949.
b Site and datum then in use.
c Also occurred Sep. 13-15.