

HOUSATONIC RIVER BASIN
01206900 NAUGATUCK RIVER AT THOMASTON, CT

LOCATION.--Lat 41°40'25", long 73°04'12", Litchfield County, Hydrologic Unit 01100005, on left bank at downstream side of bridge on U.S. Routes 6 and 202 at Thomaston, 1.5 mi downstream from Thomaston Reservoir, 2.5 mi upstream from Branch Brook, and at mile 29.5.

DRAINAGE AREA.--99.8 mi².

PERIOD OF RECORD.--October 1959 to current year.

REVISED RECORDS.--WDR CT-76-1: 1975. WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 354.39 ft above sea level. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good except those for periods of estimated daily discharges, which are fair. Slight diurnal fluctuation at low flow. Flow regulated by Thomaston, Hall Meadow Brook and East Branch Detention Reservoirs, and Lake Winchester. .

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 27.0 ft, from floodmarks by Corps of Engineers, discharge, 53,400 ft³/s, from indirect measurements of peak flow on Naugatuck River, 71.9 mi², and Leadmine Brook, 24.0 mi², adjusted for intervening drainage area.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	47	85	e45	159	857	234	71	91	16	12	12
2	17	42	75	e44	352	554	222	67	81	30	11	11
3	15	39	69	e43	1080	317	208	55	74	37	9.6	10
4	16	38	65	188	988	1050	198	54	67	36	9.2	9.8
5	16	37	64	119	474	1010	184	60	60	35	8.9	9.6
6	16	36	63	93	318	465	170	61	56	35	11	18
7	15	36	61	83	250	338	163	74	54	40	11	29
8	104	36	60	77	221	255	154	78	52	42	11	22
9	125	34	74	190	193	e235	145	104	51	36	12	22
10	269	37	64	373	183	e220	148	100	49	28	9.6	56
11	178	98	61	204	173	e210	143	85	45	23	9.9	44
12	90	83	58	151	167	e200	157	73	41	18	9.4	26
13	69	62	57	114	259	183	133	68	41	17	9.2	45
14	e500	54	56	102	187	177	126	62	42	16	25	55
15	e270	51	53	309	147	206	112	56	43	14	32	62
16	e140	46	53	645	138	208	105	53	40	13	29	182
17	103	51	54	315	135	215	151	50	35	13	26	366
18	81	56	55	283	270	323	122	47	35	12	24	1140
19	71	49	53	748	467	334	110	101	35	18	20	1400
20	61	48	52	937	376	263	107	986	36	39	14	1830
21	56	54	51	466	229	221	101	470	36	25	15	554
22	52	49	90	331	173	555	96	207	26	20	21	118
23	49	46	92	326	142	1440	115	174	26	18	21	90
24	46	44	75	230	e135	1790	138	507	26	15	20	56
25	44	42	e56	1440	e130	1110	108	646	25	15	18	70
26	42	185	e53	1610	e125	441	97	328	25	13	13	76
27	41	365	e51	841	e120	318	88	506	25	11	15	74
28	41	159	e49	312	152	346	83	261	33	10	21	70
29	55	113	e48	e220	---	364	78	156	37	9.7	21	67
30	49	96	e47	e180	---	296	74	125	23	11	33	106
31	48	---	e46	e150	---	254	---	106	---	11	14	---
TOTAL	2698	2133	1890	11169	7743	14755	4070	5791	1310	676.7	515.8	6630.4
MEAN	87.0	71.1	61.0	360	277	476	136	187	43.7	21.8	16.6	221
MAX	500	365	92	1610	1080	1790	234	986	91	42	33	1830
MIN	15	34	46	43	120	177	74	47	23	9.7	8.9	9.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999, BY WATER YEAR (WY)

MEAN	128	189	234	243	245	402	391	224	150	79.2	75.3	77.1
MAX	525	510	709	757	776	785	966	721	658	331	429	472
(WY)	1997	1996	1974	1979	1981	1979	1987	1989	1982	1972	1969	1975
MIN	21.1	23.9	51.4	31.1	57.0	158	103	75.0	33.8	18.4	16.6	13.8
(WY)	1965	1965	1981	1981	1980	1989	1985	1965	1964	1962	1999	1964

e Estimated.

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1961 - 1999	
ANNUAL TOTAL	69398		59381.9			
ANNUAL MEAN	190		163		203	
HIGHEST ANNUAL MEAN					300	
LOWEST ANNUAL MEAN					76.6	
HIGHEST DAILY MEAN	2050	Mar 11	1830	Sep 20	3550	Mar 10 1979
LOWEST DAILY MEAN	11	Sep 21	8.9	Aug 5	8.4	Sep 14 1964
ANNUAL SEVEN-DAY MINIMUM	13	Sep 15	10	Aug 2	9.8	Sep 21 1964
INSTANTANEOUS PEAK FLOW			2960	Jan 25	5140	Mar 31 1960
INSTANTANEOUS PEAK STAGE			5.74	Jan 25	6.25	Mar 31 1960
INSTANTANEOUS LOW FLOW			5.6	Sep 1	5.6	Sep 1 1999
10 PERCENT EXCEEDS	435		357		438	
50 PERCENT EXCEEDS	103		67		114	
90 PERCENT EXCEEDS	19		15		26	

