

HOUSATONIC RIVER BASIN
01204000 POMPERAUG RIVER AT SOUTHURY, CT

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, Hydrologic Unit 01100005, on right bank 200 ft upstream from bridge on Poverty Road, 800 ft downstream from Bullet Hill Brook, 0.6 mi west of Southbury, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--75.1 mi².

PERIOD OF RECORD.--Discharge: June 1932 to current year.

Water-quality records: Water years 1961, 1965-74.

Daily water temperature: Water years 1961, 1967.

Daily specific conductance: Water years 1960-61.

Daily pH: Water years 1960-61.

Daily iron: Water years 1960-61.

REVISED RECORDS.--WSP 851: 1934(M), 1936(M). WSP 1201: 1933-34, 1935(M), 1937(M). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 165.60 ft above sea level, (levels by Corps of Engineers). Satellite telemetry at station.

REMARKS.--Records good except those for periods with estimated daily discharges, which are fair. Flow regulated by Lockwood Reservoir and occasionally at low flow by mill upstream. Diversion for municipal supply of town of Watertown.

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	77	57	80	e38	e140	518	175	69	67	16	6.0	4.0
2	47	56	76	e37	624	254	167	66	62	22	5.3	4.1
3	38	56	74	275	698	208	158	64	58	25	4.4	3.6
4	33	65	81	245	352	685	154	76	51	20	4.7	3.7
5	27	53	71	e120	296	338	144	84	45	18	5.3	4.8
6	24	52	66	e90	237	264	137	74	43	16	5.3	7.1
7	23	49	64	e70	212	245	136	70	40	12	4.9	6.8
8	255	48	63	e60	200	e190	124	72	37	11	5.8	7.2
9	276	47	79	185	182	e180	122	97	33	10	5.0	7.0
10	250	50	69	189	178	e170	120	77	33	10	4.1	46
11	166	110	64	111	170	e165	110	65	32	9.7	3.9	28
12	104	97	64	e80	165	e160	125	58	29	9.3	6.0	15
13	93	72	61	e70	188	e150	108	54	28	9.0	5.0	11
14	726	63	59	e60	154	152	99	51	28	8.7	7.0	8.9
15	396	61	55	286	136	181	94	48	28	8.3	7.9	11
16	202	62	56	310	136	173	97	46	24	8.0	8.1	e712
17	158	63	58	186	133	207	135	45	24	7.5	6.8	e1180
18	125	96	58	529	381	227	109	44	25	8.0	6.3	226
19	106	107	53	1070	313	188	99	144	25	10	5.6	133
20	92	64	55	377	213	163	111	468	22	10	5.5	97
21	83	61	57	272	180	155	108	169	21	8.5	6.8	100
22	79	54	63	399	150	1530	98	117	20	8.5	7.2	125
23	77	50	60	330	128	665	112	121	18	7.9	7.2	95
24	70	48	54	1040	e120	418	140	333	16	12	6.2	79
25	68	47	46	689	115	338	107	319	14	8.2	5.6	66
26	67	196	e44	375	e110	280	96	184	14	7.0	6.6	58
27	61	211	e42	e280	e105	246	89	148	14	7.4	7.3	51
28	60	124	e41	e220	159	262	83	121	13	6.5	7.0	49
29	75	98	e40	e180	---	247	79	102	16	6.0	5.5	47
30	67	87	39	e160	---	208	73	87	19	5.8	5.7	133
31	61	---	e39	e140	---	190	---	76	---	5.6	5.0	---
TOTAL	3986	2304	1831	8473	6175	9357	3509	3549	899	331.9	183.0	3319.2
MEAN	129	76.8	59.1	273	221	302	117	114	30.0	10.7	5.90	111
MAX	726	211	81	1070	698	1530	175	468	67	25	8.1	1180
MIN	23	47	39	37	105	150	73	44	13	5.6	3.9	3.6
CFM	1.71	1.02	.79	3.64	2.94	4.02	1.56	1.52	.40	.14	.08	1.47
IN.	1.97	1.14	.91	4.20	3.06	4.63	1.74	1.76	.45	.16	.09	1.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 1999, BY WATER YEAR (WY)

MEAN	74.3	120	152	167	164	259	234	148	91.4	53.1	53.8	53.3
MAX	625	468	415	525	366	557	693	476	493	272	578	304
(WY)	1956	1956	1997	1979	1970	1936	1987	1989	1982	1938	1955	1938
MIN	10.4	13.6	22.1	17.5	44.6	11.2	61.9	40.3	18.6	9.56	5.90	7.66
(WY)	1936	1965	1936	1981	1936	1989	1985	1941	1957	1957	1999	1953

e Estimated.

HOUSATONIC RIVER BASIN
01204000 POMPERAUG RIVER AT SOUTHBURY, CT—Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1933 - 1999	
ANNUAL TOTAL	49181		43917.1			
ANNUAL MEAN	135		120		131	
HIGHEST ANNUAL MEAN					208	1984
LOWEST ANNUAL MEAN					53.8	1966
HIGHEST DAILY MEAN	1050	Mar 10	1530	Mar 22	9510	Aug 19 1955
LOWEST DAILY MEAN	11	Sep 18	3.6	Sep 3	3.3	Aug 30 1966
ANNUAL SEVEN-DAY MINIMUM	12	Sep 15	4.4	Aug 30	3.9	Sep 9 1977
INSTANTANEOUS PEAK FLOW			e3000	Sep 16	a29400	Aug 19 1955
INSTANTANEOUS PEAK STAGE			e8.72	Sep 16	b21.80	Aug 19 1955
INSTANTANEOUS LOW FLOW			d3.1	Aug 10	c2.5	Aug 30 1966
ANNUAL RUNOFF (CFSM)	1.79		1.60		1.74	
ANNUAL RUNOFF (INCHES)	24.36		21.75		23.65	
10 PERCENT EXCEEDS	261		263		277	
50 PERCENT EXCEEDS	98		69		80	
90 PERCENT EXCEEDS	20		7.0		16	

- a From rating curve extended above 1,200 ft³/s by computation of peak flow over dam at gage height 16.0 ft and by slope area measurement of peak flow.
- b From floodmarks.
- c Also occurred on Aug. 31, 1966.
- d Also occurred Aug. 11.
- e Estimated.

