THAMES RIVER BASIN

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1990.

WATER TEMPERATURES: October 1955 to September 1956, October 1968 to September 1990.

INSTRUMENTATION.--Temperature recorder Oct. 1, 1968, to Sept. 30, 1974. Water-quality monitor October 1974 to September 1990.

REMARKS.--Unpublished records of iron, specific conductance, pH of daily samples for 1955-56 available in the office at East Hartford, Conn. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 309 microsiemens July 23, 1975; minimum, 42 microsiemens June 14, 1975, March 23, 1980, July 27-28, 1990.

WATER TEMPERATURES: Maximum, 32.5×°C Aug. 2, 1975, May 8, 1977; minimum, 0.0×°C on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO-COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)
NOV											
24...	1200	707	130	7.3	13.0	7.0	2.0	11.9	99	62	K3
JAN											
21...	1220	3210	137	6.9	7.0	1.0	2.3	14.3	100	400	620
MAR											
09...	1150	3150	100	6.8	3.0	1.5	1.8	14.5	101	K26	27
MAY											
18...	1000	151	128	7.9	20.0	19.0	2.0	10.2	110	1000	102
JUN											
14...	1015	139	139	7.5	22.5	22.5	1.7	8.1	137	K5000	K292
JUL											
26...	0945	107	190	7.6	24.0	26.0	3.2	5.5	69	140	K10
AUG											
09...	1020	24	184	7.3	19.0	22.5	2.7	5.4	63	240	168
SEP											
28...	0900	126	141	6.9	16.0	17.5	2.1	7.1	73	140	66

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV											
24...	27	8.0	1.8	12	2.6	0	20	16	7.9	17	<.10
JAN											
21...	17	4.9	1.2	15	1.8	0	9	7	6.5	26	<.10
MAR											
09...	17	4.8	1.2	11	1.4	0	9	7	7.7	17	<.10
MAY											
18...	26	7.6	1.8	12	2.2	0	20	17	8.6	19	<.10
JUN											
14...	30	8.8	1.9	13	2.4	0	29	24	9.1	20	<.10
JUL											
26...	39	12	2.5	18	4.0	0	41	34	10	25	<.10
AUG											
09...	39	12	2.5	17	4.1	0	37	30	9.2	23	<.10
SEP											
28...	29	8.1	2.0	12	2.6	0	23	19	12	18	<.10

THAMES RIVER BASIN

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
NOV										
24...	5.9	87	89	<.010	.515	.034	.40	.43	.32	.95
JAN										
21...	6.1	80	86	<.010	.323	.078	.31	.38	.33	.71
MAR										
09...	6.2	66	65	<.010	.312	.041	.23	.27	.17	.58
MAY										
18...	2.6	74	--	.038	.365	.025	.45	.48	.28	.84
JUN										
14...	2.7	93	89	.025	.281	.072	.54	.61	.47	.89
JUL										
26...	3.0	107	107	.017	.091	.251	.60	.85	.58	.94
AUG										
09...	4.1	103	104	<.010	.065	.020	.67	.69	.13	.75
SEP										
28...	4.8	82	84	.013	.510	.040	.55	.59	.39	1.1

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
NOV										
24...	.060	<.050	.022	24	<1.0	10	<1.0	<1.0	<1.0	<1.0
JAN										
21...	.056	.028	.031	57	<1.0	9.4	<1.0	<1.0	<1.0	<1.0
MAR										
09...	.028	.013	<.010	39	<1.0	8.4	<1.0	<1.0	<1.0	<1.0
MAY										
18...	.059	.024	.021	26	<1.0	7.9	<1.0	<1.0	<1.0	<1.0
JUN										
14...	.046	.020	.016	14	<1.0	9.9	<1.0	<1.0	<1.0	<1.0
JUL										
26...	.103	.077	.057	39	<1.0	9.6	<1.0	<1.0	<1.0	<1.0
AUG										
09...	.115	.006	<.010	9.3	<1.0	13	<1.0	<1.0	<1.0	<1.0
SEP										
28...	.099	.072	.053	14	<1.0	13	<1.0	<1.0	<.80	<1.0

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV										
24...	1.5	220	<1.0	14	<1.0	<1.0	<1.0	2.6	<1.0	5.9
JAN										
21...	1.1	100	<1.0	48	<1.0	<1.0	<1.0	6.1	<1.0	.50
MAR										
09...	<1.0	65	<1.0	22	<1.0	<1.0	<1.0	7.3	<1.0	3.8
MAY										
18...	1.2	170	<1.0	8.2	<1.0	<1.0	<1.0	1.3	<1.0	5.2
JUN										
14...	1.2	200	<1.0	4.5	<1.0	<1.0	<1.0	1.2	<1.0	5.1
JUL										
26...	1.3	88	<1.0	21	<1.0	<1.0	<1.0	1.8	<1.0	7.1
AUG										
09...	1.3	150	<1.0	34	<1.0	<1.0	<1.0	2.5	<1.0	5.5
SEP										
28...	1.3	120	<1.0	30	<1.0	<1.0	<1.0	2.7	<1.0	6.3