THAMES RIVER BASIN

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT

LOCATION.--Lat 41°51'30", long 71°55'28", Windham County, Hydrologic Unit 01100001, at Cotton Road Bridge 1.5 mi northwest of Rogers.

DRAINAGE AREA.--342 mi^2.

PERIOD OF RECORD.--Water years 1974-80, March 1995 to current year.

REVISED RECORDS.--WDR CT-74-80, 1995: Drainage area.

REMARKS.--Water-quality records for this site were published under station number 01125720 for water years 1974-80, March 1995 to September 30, 1995. This changes the drainage area from 376 mi^2 to 342 mi^2. Discharge determined by drainage area correction from station 01125500. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records.

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)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO-COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)
NOV												
17...	1320	218	168	7.3	6.0	7.0	2.3	11.4	95	--	480	20
JAN												
28...	1430	1890	133	6.9	-2.5	1.5	1.6	14.1	101	1.0	K61	1000
MAR												
29...	1135	1040	124	7.1	17.0	7.7	1.7	12.4	105	--	K63	32
APR												
27...	1420	343	180	7.6	15.0	14.0	2.5	11.4	112	1.0	80	K10
MAY												
11...	1430	285	160	7.7	20.5	19.5	3.4	9.7	105	--	31	24
JUN												
08...	1400	73	183	7.3	32.0	25.0	3.6	7.6	95	1.1	72	<1
JUL												
21...	1330	43	238	7.8	26.5	23.5	4.6	7.1	84	2.5	K36	K36
SEP												
01...	1330	35	256	8.9	29.0	19.0	14	8.8	95	3.0	56	K11
09...	1400	24	282	7.2	27.0	24.5	8.1	8.5	104	--	K1200	27

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											
17...	31	9.2	2.0	17	2.9	0	27	22	8.3	25	<.10
JAN											
28...	18	5.1	1.4	15	1.3	0	10	8	7.7	24	<.10
MAR											
29...	20	5.8	1.5	15	1.6	0	11	9	8.2	25	<.10
APR											
27...	--	--	--	--	--	0	21	17	--	--	--
MAY											
11...	27	7.7	1.8	18	2.1	0	23	19	7.3	30	<.10
JUN											
08...	36	11	2.2	20	2.6	0	29	24	9.4	30	<.10
JUL											
21...	41	12	2.6	30	4.1	0	40	33	11	41	<.10
SEP											
01...	--	--	--	--	--	1	38	33	--	--	--
09...	55	18	2.6	28	6.2	0	48	39	13	46	<.10

THAMES RIVER BASIN

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, 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)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	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											
17...	4.6	113	--	106	.011	.625	.057	.41	.47	.35	1.1
JAN											
28...	6.5	78	4	--	.013	.261	.090	.24	.33	.33	.59
MAR											
29...	5.4	78	--	79	<.010	.341	.030	.23	.26	.21	.60
APR											
27...	--	102	6	--	<.010	.519	.058	--	<.10	--	--
MAY											
11...	2.6	98	--	104	<.010	.399	--	--	.53	.27	.93
JUN											
08...	3.9	119	7	--	.019	.394	.052	.51	.57	.44	.96
JUL											
21...	2.4	147	5	149	.014	.269	<.020	--	.83	.42	1.1
SEP											
01...	--	148	6	--	<.010	.537	<.020	--	1.2	.31	1.8
09...	4.1	153	--	161	.026	1.14	<.020	--	1.0	.39	2.2

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, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)
NOV											
17...	.065	E.031	.029	--	12	<1.0	--	--	10	<1.0	--
JAN											
28...	.039	.025	<.010	120	50	<1.0	<1	0	9.4	<1.0	<1
MAR											
29...	.031	.014	<.010	--	25	<1.0	--	--	9.3	<1.0	--
APR											
27...	<.050	--	--	100	35	<1.0	<1	0	8.8	<1.0	<1
MAY											
11...	.072	.029	.037	--	24	<1.0	--	--	8.6	<1.0	--
JUN											
08...	.087	.048	.037	100	19	<1.0	2	0	12	<1.0	<1
JUL											
21...	.111	.047	.029	80	12	<1.0	<1	0	13	<1.0	<1
SEP											
01...	.180	.070	.054	110	35	<1.0	2	0	7.5	<1.0	<1
09...	.196	.103	.089	--	9.8	<1.0	--	--	19	<1.0	--

THAMES RIVER BASIN

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT--Continued

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

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
NOV											
17...	<1.0	--	1.5	<1.0	--	2.0	--	190	--	<1.0	--
JAN											
28...	<1.0	<1	<1.0	<1.0	1	1.2	370	130	1	<1.0	61
MAR											
29...	<1.0	--	<1.0	<1.0	--	1.1	--	89	--	<1.0	--
APR											
27...	<1.0	2	<1.0	<1.0	3	1.9	410	180	2	<1.0	55
MAY											
11...	<1.0	--	1.2	<1.0	--	1.7	--	150	--	<1.0	--
JUN											
08...	<1.0	3	2.2	<1.0	3	2.1	560	280	2	<1.0	78
JUL											
21...	<1.0	2	1.2	<1.0	3	2.3	400	78	2	<1.0	210
SEP											
01...	<1.0	2	--	<1.0	3	2.1	530	62	2	<1.0	230
09...	<1.0	--	2.7	<1.0	--	2.1	--	48	--	<1.0	--

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	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											
17...	16	--	<1.0	--	<1.0	--	<1.0	--	3.0	<1.0	--
JAN											
28...	53	<.10	<1.0	2	<1.0	<1	<1.0	<10	6.5	<1.0	5.4
MAR											
29...	30	--	<1.0	--	<1.0	--	<1.0	--	4.3	<1.0	3.8
APR											
27...	37	<.10	<1.0	1	<1.0	<1	<1.0	<40	2.4	<1.0	--
MAY											
11...	25	--	<1.0	--	<1.0	--	<1.0	--	1.9	<1.0	6.2
JUN											
08...	51	<.20	<1.0	2	<1.0	<1	<1.0	<40	2.0	<1.0	5.3
JUL											
21...	89	<.10	2.2	2	1.3	<1	<1.0	<40	3.5	<1.0	8.5
SEP											
01...	50	<.10	3.6	1	1.3	<1	<1.0	<30	1.0	<1.0	8.6
09...	138	--	5.0	--	1.4	--	<1.0	--	2.3	<1.0	4.3

THAMES RIVER BASIN

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT--Continued

REMARKS--Continuous water-quality monitoring equipment was used to collect additional data for short periods at this station.
May deployment: All records rated excellent, except for turbidity and dissolved oxygen records, which were rated good.
July to July deployment: Specific conductance and temperature records rated excellent; pH and dissolved oxygen records rated good; turbidity records rated poor.

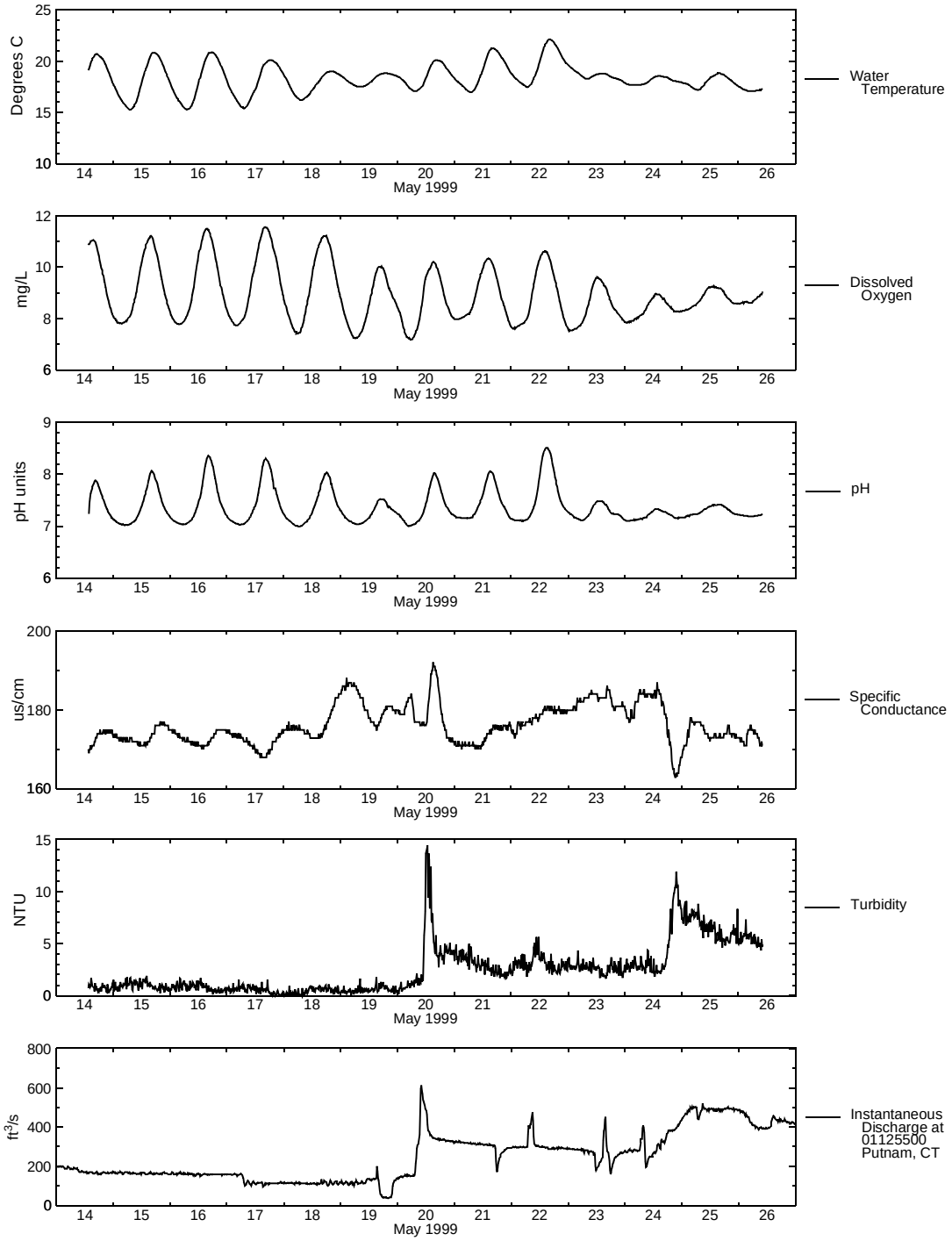
[data not available due to partial record]

Date	Specific conductance (µs/cm)			pH (Standard units)		Water temperature (degrees Celsius)			Turbidity (NTU)			Dissolved oxygen (mg/L)		
	Max	Min	Mean	Max	Min	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
05-14-99	175	--	--	7.9	--	21.0	--	--	1.7	0.30	0.73	11.1	--	--
05-15-99	177	171	173	8.1	7.0	21.0	15.5	18.0	1.9	.20	.95	11.2	7.8	9.3
05-16-99	175	170	173	8.4	7.0	21.0	15.5	18.0	1.7	.10	.79	11.5	7.8	9.4
05-17-99	175	168	172	8.3	7.0	20.0	15.5	18.0	1.5	.00	.53	11.6	7.7	9.5
05-18-99	184	173	176	8.0	7.0	19.0	16.0	17.5	1.1	.00	.44	11.2	7.4	9.3
05-19-99	188	175	181	7.5	7.0	19.0	17.5	18.0	1.8	.00	.58	10.0	7.2	8.6
05-20-99	192	171	180	8.0	7.0	20.0	17.0	18.5	14	.20	3.7	10.2	7.2	8.6
05-21-99	177	170	173	8.1	7.2	21.5	17.0	19.0	5.0	1.6	3.0	10.4	7.7	8.9
05-22-99	181	173	178	8.5	7.1	22.0	17.5	19.5	5.6	1.8	3.1	10.6	7.6	8.9
05-23-99	186	180	182	7.5	7.1	19.5	18.0	18.5	4.3	1.6	2.6	9.6	7.5	8.5
05-24-99	187	163	178	7.3	7.1	18.5	17.5	18.0	12	1.9	4.2	9.0	7.8	8.4
05-25-99	178	168	174	7.4	7.2	19.0	17.0	18.0	9.1	4.6	6.6	9.3	8.3	8.8
05-26-99	--	--	--	--	7.2	--	17.0	--	7.3	--	--	--	8.6	--
06-24-99	222	--	--	8.8	6.9	25.5	--	--	6.5	1.9	4.3	11.6	--	--
06-25-99	226	216	222	8.7	7.1	24.5	22.0	23.0	9.7	1.7	2.8	11.2	6.2	8.8
06-26-99	228	219	225	8.6	7.1	25.5	22.0	23.5	4.7	1.5	2.6	11.5	6.4	9.0
06-27-99	234	223	229	9.1	7.1	27.0	23.5	25.0	4.5	1.7	2.6	12.1	6.3	9.2
06-28-99	235	227	231	9.0	7.3	27.5	25.0	26.0	8.5	1.6	2.7	11.0	5.7	9.0
06-29-99	237	229	234	8.7	7.2	27.0	25.5	26.0	6.1	1.4	2.2	9.9	5.3	7.9
06-30-99	244	234	240	8.6	7.2	26.0	24.0	25.0	7.4	1.4	2.7	11.4	5.8	8.4
07-01-99	239	188	215	8.3	7.1	24.5	22.5	23.0	9.1	2.2	4.4	10.3	5.7	7.0
07-02-99	242	195	225	7.5	7.0	24.0	22.5	23.0	7.1	1.1	2.8	8.4	5.5	6.7
07-03-99	254	234	244	8.1	7.1	27.0	23.0	24.5	5.6	.90	1.9	10.5	5.6	7.8
07-04-99	253	220	240	7.8	7.2	26.5	24.5	25.5	5.1	1.0	2.2	9.2	5.3	7.3
07-05-99	251	225	241	8.7	7.2	29.0	25.0	27.0	8.3	1.3	2.4	11.0	5.3	7.9
07-06-99	257	244	249	9.1	7.3	30.0	26.5	28.0	9.0	1.7	3.8	12.2	4.7	8.2
07-07-99	254	243	247	9.3	7.2	29.5	26.5	28.0	9.4	1.5	4.7	12.7	4.2	8.3
07-08-99	267	--	--	--	7.3	--	--	--	--	--	--	--	5.0	--

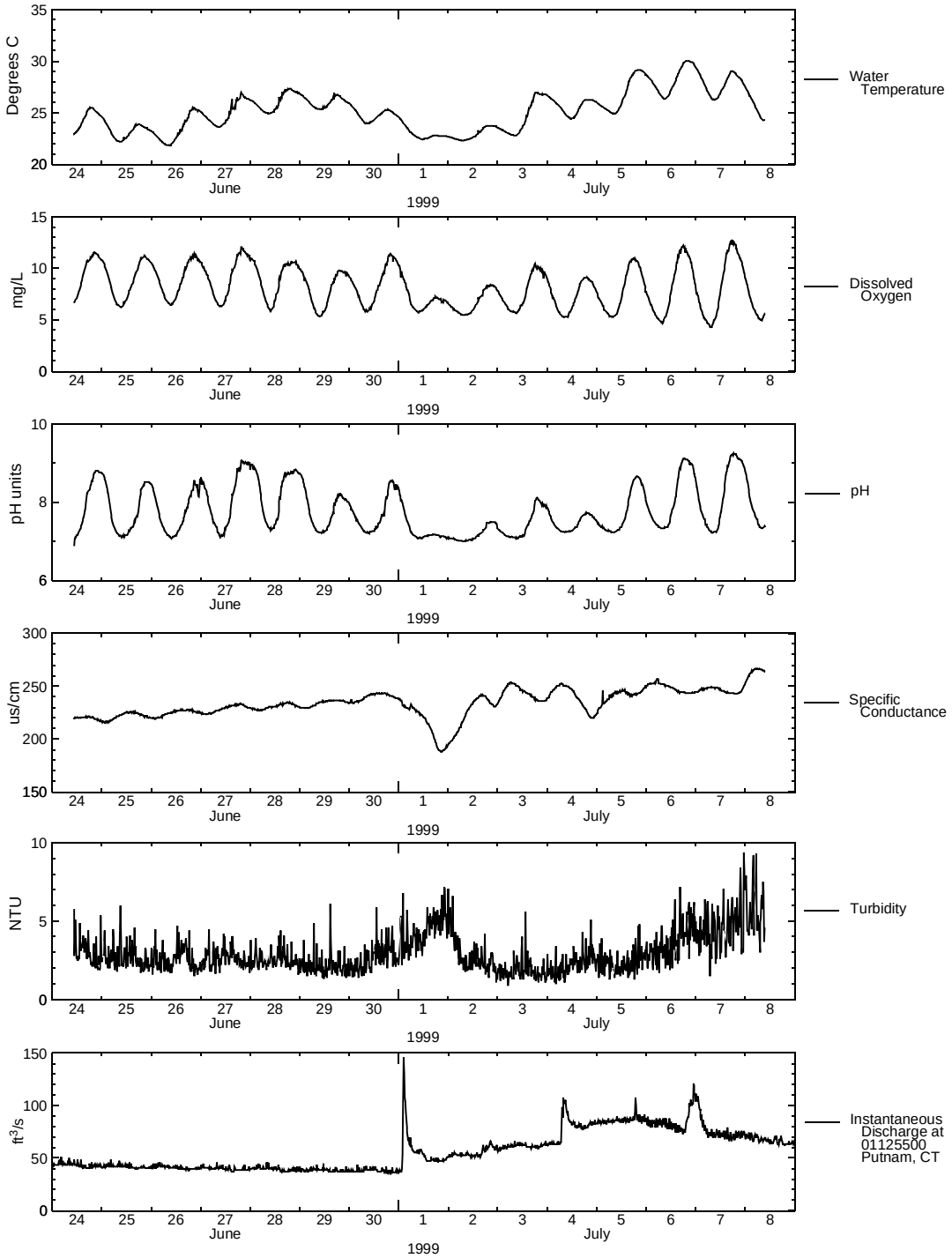
THAMES RIVER BASIN

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT--Continued

Water Quality Parameters for Quinebaug River near Pomfret Landing
May 14 - 26, 1999



THAMES RIVER BASIN

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT--Continued

Water Quality Parameters for Quinebaug River near Pomfret Landing
June 24 - July 8, 1999