CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT

LOCATION.--Lat 41°32'30", long 72°33'13", Middlesex County, Hydrologic Unit 01080205, on pier of United Technologies Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL), 0.8 mi south of Middle Haddam, 7.6 mi upstream from Salmon River, and 6.1 mi south of Middletown.

DRAINAGE AREA.--10,897 mi^2 rev.

PERIOD OF RECORD.--Water year 1967 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

pH: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

WATER TEMPERATURES: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

DISSOLVED OXYGEN: October 1967 to September 1970, October 1973 to June 1976, June 1978 to September 1997.

INSTRUMENTATION.--Water-quality monitor October 1967 to current year.

REMARKS.--USGS water-quality monitoring system installed June 1978. Interruptions of the record due to malfunctions of the instrument. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records due to the depth and location of the probes used for the monitoring system. Stream tidal affected. Extremes for period of daily record and current year are only for those values reported.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 483 microsiemens Aug. 18, 1975; minimum, 33 microsiemens March 23, 1980.

pH: Maximum, 9.7 units July 3, 1975; minimum, 4.9 units Apr. 23, 1976.

WATER TEMPERATURES: Maximum, 33.0°C July 12, 1970; minimum, 0.0°C on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 19.2 mg/L Feb. 17, 1980; minimum 0.6 mg/L Aug. 11, 1970.

EXTREMES FOR CURRENT YEAR:--

SPECIFIC CONDUCTANCE: Maximum, 328 microsiemens Jan 17; minimum, 84 microsiemens April 5.

pH: Maximum, 9.3 units June 18-20; minimum 5.7 units Mar. 29.

WATER TEMPERATURES: Maximum, 30.5°C July 7, 28; minimum, 0.0°C on numerous days during the winter period..

DISSOLVED OXYGEN: Maximum, 15.4 mg/L Feb. 25; minimum 4.8 mg/L Aug. 19.

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

DATE	TIME	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)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT											
13...	1050	163	7.2	15.0	15.5	3.4	8.0	79	780	20	46
DEC											
11...	1230	125	7.8	7.5	6.5	2.2	12.0	97	740	58	39
FEB											
10...	1115	130	7.1	9.5	2.0	2.9	15.1	109	440	144	30
APR											
05...	1245	101	7.4	10.0	6.5	23	12.5	101	170	54	26
JUN											
09...	1315	134	7.5	19.0	24.5	4.4	8.9	107	K18	K11	41
AUG											
17...	1330	166	6.8	26.5	26.5	2.0	5.5	69	K2	K3	38

DATE	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)
OCT										
13...	15	2.3	11	2.0	0	43	35	11	17	<.10
DEC										
11...	13	1.9	7.5	1.2	0	39	32	8.6	10	<.10
FEB										
10...	9.3	1.7	11	1.1	0	24	19	7.8	18	<.10
APR										
05...	8.3	1.3	5.4	.88	0	23	19	6.3	8.7	<.10
JUN										
09...	13	2.1	11	1.5	0	37	30	9.3	17	<.10
AUG										
17...	11	2.5	15	2.4	0	28	23	12	19	.11

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, 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)
OCT										
13...	5.0	93	93	.025	.510	.182	.34	.53	.39	1.0
DEC										
11...	6.0	73	73	.013	.443	.143	.22	.36	.30	.80
FEB										
10...	6.5	79	85	.015	.453	.143	.18	.32	.22	.78
APR										
05...	4.9	54	106	<.010	.274	.043	.33	.37	.16	.65
JUN										
09...	4.9	93	94	.017	.555	.045	.42	.47	.24	1.0
AUG										
17...	3.4	92	93	.043	.693	.291	.22	.51	.57	1.2

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, 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)
OCT										
13...	.092	.067	.064	8.3	<1.0	19	<1.0	<1.0	<1.0	<1.0
DEC										
11...	.071	.060	.063	17	<1.0	13	<1.0	<1.0	<1.0	<1.0
FEB										
10...	.012	.033	.041	28	<1.0	14	<1.0	<1.0	<1.0	<1.0
APR										
05...	.088	.014	.019	19	<1.0	9.4	<1.0	<1.0	<1.0	<1.0
JUN										
09...	.086	.046	.024	15	<1.0	15	<1.0	<1.0	<1.0	<1.0
AUG										
17...	.174	.172	.142	4.5	<1.0	18	<1.0	<1.0	<1.0	<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)
OCT										
13...	2.0	47	<1.0	5.9	<1.0	<1.0	<1.0	1.9	<1.0	4.6
DEC										
11...	1.5	91	<1.0	15	<1.0	1.0	<1.0	2.4	<1.0	4.6
FEB										
10...	1.3	77	<1.0	24	<1.0	<1.0	<1.0	2.9	<1.0	4.3
APR										
05...	1.3	41	<1.0	7.4	<1.0	<1.0	<1.0	<1.0	<1.0	4.3
JUN										
09...	2.1	60	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	4.1
AUG										
17...	3.0	22	<1.0	18	1.2	1.3	<1.0	2.7	<1.0	4.6

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	176	168	173	166	151	158	129	121	125	161	144	152
2	236	166	168	160	151	156	125	119	122	154	148	151
3	170	169	169	163	151	157	126	120	123	157	148	153
4	285	169	173	164	152	155	124	122	123	175	150	157
5	175	168	170	164	149	156	125	121	123	213	172	195
6	179	167	170	156	149	152	129	118	124	216	177	186
7	181	165	171	165	148	153	130	117	123	267	216	242
8	172	163	166	156	148	151	128	118	123	226	183	201
9	172	158	164	163	152	155	129	124	127	190	165	175
10	164	153	156	161	155	156	127	122	124	202	171	184
11	164	153	158	165	155	157	125	121	123	310	201	260
12	164	155	159	168	156	162	158	123	134	285	244	265
13	167	159	162	165	158	161	137	123	129	292	226	267
14	170	155	162	170	151	157	136	122	127	226	199	212
15	170	151	158	171	151	158	137	121	126	233	193	213
16	167	145	153	178	152	159	146	121	131	253	223	238
17	162	151	156	162	149	153	146	126	134	328	253	309
18	168	149	156	156	146	149	138	125	131	318	262	296
19	166	149	157	162	150	155	147	128	134	310	238	262
20	166	149	155	178	150	164	149	129	136	258	230	243
21	172	143	155	169	144	154	138	125	132	230	188	209
22	167	147	156	161	144	151	139	124	128	188	165	176
23	163	152	157	156	144	146	144	129	135	166	158	162
24	174	149	158	171	143	152	144	134	138	162	154	160
25	162	146	154	158	144	149	141	128	135	154	144	148
26	156	146	150	155	143	146	144	123	134	148	118	134
27	163	148	153	163	144	153	145	128	135	118	110	113
28	161	149	154	159	147	150	142	129	134	117	111	114
29	163	152	156	147	127	136	144	132	137	115	108	112
30	162	148	153	129	123	126	151	134	141	117	107	112
31	165	148	155	---	---	---	155	144	148	117	101	111
MONTH	285	143	160	178	123	153	158	117	130	328	101	191

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	122	115	117	179	152	165	104	98	100	135	128	131
2	119	113	116	168	150	159	101	94	97	139	131	134
3	156	116	132	151	131	140	99	89	91	168	133	139
4	169	127	149	135	129	132	90	85	88	160	134	141
5	129	124	127	131	100	116	89	84	87	168	142	154
6	127	119	122	102	93	97	90	86	88	177	145	160
7	128	119	125	107	97	101	98	88	93	173	149	160
8	125	119	123	121	106	115	95	88	92	174	139	154
9	131	121	127	125	114	120	93	88	90	176	137	157
10	135	127	131	123	114	118	93	89	90	165	139	148
11	139	132	135	123	115	118	90	86	88	172	139	150
12	137	130	133	123	117	120	98	85	91	170	136	148
13	139	129	132	123	117	120	103	90	96	185	139	154
14	141	134	138	125	118	120	106	93	99	173	133	147
15	140	132	134	129	120	123	106	96	99	168	133	142
16	134	130	132	154	126	141	111	98	102	166	140	149
17	135	130	133	178	146	159	115	103	108	178	138	161
18	136	132	134	149	137	142	117	110	114	---	---	---
19	144	136	141	142	135	138	121	111	114	---	---	---
20	144	135	139	139	130	135	126	111	114	---	---	---
21	137	130	133	132	123	128	127	111	116	---	---	---
22	135	130	133	135	120	125	122	114	119	---	---	---
23	148	131	135	135	101	117	123	117	120	---	---	---
24	150	134	138	104	87	93	129	119	123	---	---	---
25	142	136	138	97	89	92	126	122	123	122	---	---
26	143	137	139	100	96	99	124	119	121	122	105	112
27	157	139	147	102	97	100	130	122	124	111	104	106
28	169	155	160	105	98	102	130	124	127	119	105	110
29	---	---	---	104	97	100	140	127	129	119	111	112
30	---	---	---	105	99	102	137	127	130	117	111	113
31	---	---	---	104	100	102	---	---	---	133	112	118
MONTH	169	113	134	179	87	121	140	84	106	185	104	139

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	141	121	127	185	164	175	173	154	162	160	154	157
2	137	123	130	171	154	163	172	150	158	158	153	154
3	134	125	127	174	151	157	168	142	151	160	153	155
4	136	125	127	168	150	157	154	139	146	164	155	159
5	142	127	131	169	152	157	154	136	143	171	160	163
6	137	129	132	164	152	156	150	134	142	170	162	165
7	153	131	137	164	153	159	154	134	143	175	165	169
8	146	134	140	158	143	149	152	132	141	172	166	168
9	168	142	147	157	141	146	153	133	143	178	167	173
10	154	145	148	150	141	143	157	137	145	178	168	172
11	150	143	145	154	141	145	152	135	144	177	155	163
12	153	143	146	156	147	151	156	139	148	163	151	155
13	158	143	149	156	146	149	156	144	149	160	147	153
14	176	147	161	156	146	150	162	145	151	154	146	149
15	173	148	163	157	148	152	173	153	163	152	147	148
16	182	160	172	164	152	158	172	164	167	151	142	146
17	187	164	175	166	157	160	175	166	169	151	101	133
18	189	167	176	173	160	163	177	165	169	103	89	96
19	190	170	179	175	161	165	174	163	169	93	88	89
20	187	172	177	176	165	170	171	163	165	---	89	---
21	180	168	171	185	168	176	177	163	169	---	---	---
22	188	168	173	181	171	175	173	163	165	---	---	---
23	186	169	173	189	174	180	167	160	163	---	---	---
24	198	173	182	194	177	183	168	157	162	---	---	---
25	202	179	187	190	178	183	261	157	169	---	---	---
26	196	178	185	196	177	184	259	157	163	---	---	---
27	197	181	186	185	172	178	170	158	163	---	---	---
28	196	181	184	184	168	175	173	162	165	---	---	---
29	186	180	182	240	165	176	168	162	165	---	---	---
30	189	177	179	177	163	169	283	159	171	---	---	---
31	---	---	---	178	163	169	209	155	160	---	---	---
MONTH	202	121	160	240	141	164	283	132	158	178	88	151
YEAR	328	84	147									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.4	7.1	7.0	6.9	6.8	6.7	6.7	6.6	6.4	6.3	6.2	6.0
2	7.5	7.2	7.1	6.9	6.8	6.7	6.7	6.6	6.4	5.8	6.7	6.2
3	7.5	7.2	7.1	6.9	6.8	6.7	6.7	6.2	6.4	5.9	6.6	5.9
4	7.5	7.2	7.1	7.0	6.8	6.7	6.6	6.2	6.4	6.3	6.4	5.8
5	7.9	7.2	7.1	7.0	6.9	6.8	6.6	6.6	6.5	6.3	6.5	6.2
6	7.5	7.2	7.1	6.9	6.9	6.8	6.6	6.6	6.4	6.3	6.3	5.9
7	7.4	7.2	7.0	6.9	6.8	6.7	6.7	6.6	6.4	6.3	6.4	6.1
8	7.3	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.3	6.7	6.2
9	7.2	6.8	7.0	6.8	6.9	6.8	6.7	6.1	6.6	6.5	6.7	6.4
10	7.0	6.7	7.0	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.7	6.4
11	7.0	6.7	6.9	6.5	6.8	6.7	6.7	6.6	6.7	6.5	6.7	6.4
12	7.0	6.9	7.0	6.8	6.8	6.7	6.7	6.6	6.7	6.3	6.7	6.4
13	7.0	6.9	7.0	6.9	6.8	6.7	6.7	6.7	6.6	6.3	6.8	6.4
14	7.0	6.7	7.0	6.8	6.8	6.7	6.7	6.6	6.7	6.6	6.7	6.4
15	6.9	6.7	7.0	6.8	6.8	6.7	6.7	6.4	6.8	6.7	6.7	6.4
16	6.9	6.8	7.0	6.9	6.8	6.7	6.6	6.5	6.8	6.6	6.9	6.5
17	6.9	6.8	7.0	6.9	6.8	6.7	6.7	6.6	6.8	6.7	6.9	6.6
18	7.0	6.9	7.0	6.8	6.8	6.7	6.7	6.5	6.8	6.3	6.7	6.6
19	7.0	6.9	7.0	6.9	6.8	6.7	6.6	6.5	6.8	6.4	6.7	6.6
20	7.1	6.9	7.0	6.8	6.8	6.7	6.6	6.6	6.8	6.6	6.7	6.6
21	7.1	6.9	6.9	6.7	6.8	6.7	6.6	6.4	6.8	6.8	6.7	6.2
22	7.0	6.9	6.9	6.8	6.8	6.6	6.4	6.3	6.9	6.8	6.8	6.5
23	7.0	6.9	7.0	6.8	6.9	6.7	6.4	6.2	6.8	6.7	6.7	6.3
24	7.1	6.9	7.0	6.9	6.8	6.7	6.3	6.2	6.8	6.7	6.4	6.2
25	7.0	6.9	7.0	6.9	6.8	6.7	6.4	6.2	6.8	6.8	6.3	6.2
26	7.0	6.9	7.0	6.6	6.8	6.7	6.4	6.3	6.8	6.4	6.4	6.3
27	6.9	6.8	7.0	6.7	6.9	6.7	6.4	6.3	6.6	6.5	6.4	6.3
28	6.9	6.8	6.9	6.8	6.8	6.7	6.4	6.4	6.7	6.0	6.4	5.8
29	7.0	6.7	6.9	6.8	6.8	6.3	6.4	6.3	---	---	6.4	5.7
30	7.0	6.9	6.8	6.7	6.7	6.2	6.4	6.3	---	---	6.5	6.4
31	7.0	6.9	---	---	6.7	6.6	6.3	6.2	---	---	6.5	6.4
MONTH	7.9	6.7	7.1	6.5	6.9	6.2	6.7	6.1	6.9	5.8	6.9	5.7

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.6	6.5	7.3	7.1	7.5	7.1	8.7	7.4	7.5	6.9	7.0	6.9
2	6.5	6.4	7.5	7.1	7.5	7.2	8.0	7.4	7.4	6.9	7.0	6.9
3	6.5	6.4	7.4	7.1	7.7	7.1	8.1	7.3	7.5	6.9	6.9	6.9
4	6.5	6.4	7.3	7.0	7.7	7.2	7.9	7.3	7.5	6.9	7.0	6.9
5	6.5	6.4	7.4	7.0	8.0	7.2	8.2	7.5	7.2	6.8	7.0	6.9
6	6.5	6.4	7.4	7.1	8.0	7.3	8.9	7.4	7.1	6.7	7.0	6.9
7	6.6	6.3	7.4	7.2	8.4	7.2	8.8	7.5	7.2	6.7	7.0	6.9
8	6.6	6.4	7.4	7.2	8.2	7.2	8.5	7.4	6.9	6.6	7.0	6.8
9	6.6	6.5	7.3	7.1	8.2	7.2	7.9	7.2	7.0	6.6	7.1	6.9
10	6.6	6.5	7.4	7.2	7.9	7.2	7.5	7.1	6.8	6.6	7.1	6.9
11	6.6	6.5	7.4	7.2	8.4	7.3	7.6	7.1	6.8	6.5	7.0	6.9
12	6.6	6.5	7.4	7.2	8.6	7.4	7.9	7.1	6.8	6.5	6.9	6.8
13	6.6	6.5	7.5	7.3	8.2	7.5	8.7	7.2	6.8	6.6	6.9	6.8
14	6.6	6.5	7.7	7.3	8.1	7.5	8.7	7.3	6.9	6.6	6.9	6.8
15	6.6	6.5	7.8	7.3	8.8	7.3	9.0	7.4	6.9	6.7	6.9	6.8
16	6.7	6.4	8.0	7.3	9.1	7.6	8.9	7.8	6.9	6.8	7.0	6.8
17	6.5	6.2	7.9	7.4	9.1	7.9	8.9	7.6	6.9	6.8	7.0	6.8
18	6.8	6.4	7.8	7.4	9.3	7.6	8.6	7.4	6.9	6.8	6.9	6.8
19	6.8	6.7	7.7	7.3	9.3	7.8	8.2	6.9	6.9	6.8	6.9	6.8
20	6.8	6.7	7.5	7.3	9.3	7.9	8.2	7.0	6.9	6.8	7.0	6.8
21	6.9	6.7	7.4	7.1	9.1	8.1	8.0	7.0	6.9	6.8	---	---
22	6.9	6.8	7.2	7.1	9.1	7.7	7.9	7.1	6.9	6.8	---	---
23	6.9	6.5	7.2	7.2	9.0	7.7	8.1	7.0	6.9	6.9	---	---
24	7.0	6.7	7.2	7.1	8.9	7.4	8.1	7.1	6.9	6.8	---	---
25	7.0	6.8	7.3	7.0	8.6	7.5	7.6	7.0	6.9	6.8	---	---
26	7.0	6.9	7.3	7.3	8.8	7.6	7.6	7.0	6.9	6.8	---	---
27	7.1	7.0	7.4	7.2	8.8	7.4	7.9	7.0	6.9	6.8	---	---
28	7.2	7.1	7.4	7.2	8.3	7.3	8.5	7.0	6.9	6.8	---	---
29	7.2	7.1	7.4	7.2	8.3	7.3	8.4	7.2	6.9	6.8	---	---
30	7.2	7.1	7.3	7.2	9.1	7.6	7.6	7.0	7.0	6.9	---	---
31	---	---	7.4	7.2	---	---	7.6	7.0	7.0	6.9	---	---
MONTH	7.2	6.2	8.0	7.0	9.3	7.1	9.0	6.9	7.5	6.5	7.1	6.8
YEAR	9.3	5.7										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.5	19.0	20.5	12.0	11.0	11.5	7.5	6.5	6.5	1.0	.0	.5
2	19.5	18.5	19.0	11.5	10.5	11.0	7.0	6.0	6.5	.5	.0	.0
3	18.5	18.0	18.5	11.5	10.5	10.5	7.5	6.5	6.5	.5	.0	.0
4	18.5	18.0	18.0	10.5	10.0	10.0	7.5	6.5	7.0	.5	.0	.0
5	18.0	17.0	17.5	10.0	9.5	9.5	7.0	6.5	6.5	1.0	.0	.5
6	17.0	16.5	16.5	9.5	9.0	9.5	7.0	7.0	7.0	1.5	.0	.5
7	16.5	16.0	16.5	9.0	8.5	9.0	7.5	7.0	7.0	1.0	.0	.5
8	16.5	16.0	16.0	9.0	8.5	9.0	7.5	7.5	7.5	1.5	.0	.5
9	16.5	15.5	16.0	9.0	8.5	8.5	7.5	7.0	7.0	2.5	.0	.5
10	16.0	15.5	16.0	8.5	8.0	8.0	7.0	6.5	6.5	1.0	.0	.5
11	16.5	15.5	16.0	8.5	8.0	8.5	7.0	5.5	6.5	2.0	.0	.5
12	16.0	15.5	15.5	8.5	8.0	8.0	6.0	5.5	5.5	1.0	.0	.5
13	16.5	15.5	16.0	8.5	8.0	8.5	5.5	5.0	5.5	1.5	.0	.5
14	16.0	15.5	15.5	8.5	8.0	8.0	6.0	4.5	5.0	1.5	.0	.5
15	15.5	14.5	15.0	8.5	8.0	8.0	5.5	4.0	4.5	1.5	.0	.5
16	15.0	14.0	14.5	8.5	8.0	8.0	5.0	4.0	4.5	2.0	.0	.5
17	14.5	14.0	14.5	9.0	8.0	8.5	5.0	4.0	4.0	2.5	.0	.5
18	15.0	14.5	14.5	9.0	8.0	8.5	5.5	3.5	4.0	2.5	.0	.5
19	16.0	14.5	15.0	8.0	7.5	7.5	5.0	3.5	3.5	1.0	.0	.5
20	16.0	15.0	15.5	8.5	7.5	7.5	5.0	3.5	3.5	1.0	.0	.5
21	15.5	14.0	15.0	8.0	7.0	7.5	4.5	3.5	3.5	.5	.0	.5
22	14.0	13.0	13.5	8.0	7.0	7.5	6.0	4.0	4.5	.5	.5	.5
23	13.0	12.0	12.5	8.0	7.0	7.5	5.5	4.0	4.5	1.0	.5	.5
24	13.0	12.0	12.5	7.5	6.5	7.5	5.0	2.5	4.0	1.5	.5	1.0
25	12.5	12.0	12.5	7.0	6.5	7.0	3.5	2.0	2.5	1.0	.5	1.0
26	13.0	12.5	13.0	7.5	7.0	7.0	3.5	1.5	1.5	1.0	.5	1.0
27	13.0	12.5	12.5	7.0	6.5	7.0	3.5	1.5	1.5	1.0	.5	.5
28	13.5	12.5	13.0	7.0	6.5	6.5	2.5	1.0	1.5	1.0	.5	1.0
29	13.0	12.5	13.0	6.5	6.0	6.5	3.5	1.5	2.0	1.0	.5	.5
30	13.0	12.0	12.0	7.5	6.5	6.5	3.0	1.0	1.5	.5	.0	.5
31	12.5	11.5	12.0	---	---	---	1.5	.5	1.0	1.0	.0	.0
MONTH	21.5	11.5	15.0	12.0	6.0	8.5	7.5	.5	4.5	2.5	.0	.5

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.5	.0	.5	3.0	2.0	2.5	6.5	6.0	6.0	14.5	13.0	14.0
2	2.0	.0	.5	3.0	2.5	3.0	6.0	6.0	6.0	15.5	14.0	14.5
3	1.5	.5	1.0	3.5	2.5	3.0	6.0	5.5	6.0	15.5	14.5	15.0
4	1.5	1.0	1.0	4.0	3.0	3.5	6.0	5.5	6.0	15.5	14.5	15.0
5	1.5	1.0	1.0	4.0	2.0	3.0	6.5	6.0	6.0	15.0	14.5	14.5
6	1.5	1.0	1.5	2.0	1.5	2.0	7.0	6.0	6.5	16.0	14.5	15.0
7	1.5	1.0	1.0	1.5	1.0	1.0	7.5	6.5	7.0	16.5	15.5	16.0
8	1.5	1.0	1.5	1.0	.5	.5	8.5	7.5	8.0	16.5	16.0	16.0
9	2.0	1.0	1.5	1.0	.5	.5	8.0	7.5	8.0	17.0	16.0	16.5
10	2.5	1.0	1.5	1.5	.5	1.0	8.0	7.5	8.0	18.0	16.5	17.0
11	4.0	1.5	2.0	2.0	1.0	1.5	8.0	7.5	8.0	18.0	17.0	17.5
12	4.0	2.0	2.5	2.0	1.0	1.5	8.0	7.5	8.0	18.0	17.0	17.5
13	4.0	2.5	3.0	2.5	1.5	2.0	8.5	7.5	8.0	18.5	17.5	18.0
14	3.0	2.5	2.5	3.0	2.0	2.5	9.0	7.5	8.5	19.0	18.0	18.5
15	4.5	1.5	2.0	3.0	2.0	2.5	9.5	8.0	9.0	19.0	18.0	18.5
16	4.0	1.5	2.0	3.0	2.0	2.5	9.5	8.5	9.0	20.0	17.5	18.5
17	3.0	2.0	2.0	4.5	2.5	3.5	9.5	8.5	9.0	20.5	18.0	19.0
18	3.5	2.0	2.5	5.5	3.5	4.5	9.5	8.5	9.0	20.0	19.0	19.5
19	3.0	2.0	2.5	5.5	4.5	5.0	10.0	9.0	9.5	20.0	19.5	19.5
20	4.0	2.0	2.5	6.0	4.5	5.0	10.0	9.5	10.0	20.5	19.5	20.0
21	2.5	2.0	2.5	5.0	4.5	5.0	11.0	9.5	10.5	19.5	18.5	19.0
22	2.5	1.5	2.0	5.0	4.5	4.5	11.5	10.5	11.0	19.0	18.0	18.5
23	1.5	.5	1.0	4.5	3.5	4.0	11.0	10.5	11.0	18.5	18.0	18.5
24	1.5	.5	.5	3.5	3.0	3.0	11.0	10.0	10.5	18.0	17.5	18.0
25	1.5	.5	.5	4.0	2.5	3.0	11.5	10.0	11.0	18.0	17.0	17.5
26	2.0	.5	1.0	4.5	4.0	4.0	12.0	10.5	11.5	17.5	17.0	17.0
27	2.0	.5	1.0	5.0	4.0	4.5	13.0	11.5	12.0	17.5	16.5	17.0
28	2.5	1.5	2.0	5.0	4.5	5.0	13.5	12.0	12.5	18.5	16.5	17.5
29	---	---	---	5.5	5.0	5.0	13.5	12.5	13.0	19.5	17.5	18.5
30	---	---	---	6.0	5.5	6.0	14.0	12.5	13.5	20.5	19.0	19.5
31	---	---	---	6.0	5.5	6.0	---	---	---	21.5	20.0	20.5
MONTH	4.5	.0	1.5	6.0	.5	3.0	14.0	5.5	9.0	21.5	13.0	17.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.0	20.5	21.5	27.5	26.5	27.5	30.0	29.0	29.5	24.5	23.5	24.0
2	23.5	21.5	22.5	27.5	26.5	26.5	30.0	29.0	29.5	25.0	24.0	24.5
3	24.0	22.5	23.0	27.5	26.0	26.5	30.0	29.0	29.5	25.5	24.5	25.0
4	24.0	23.0	23.5	27.5	26.5	27.0	29.5	29.0	29.0	25.5	24.5	25.0
5	24.0	22.5	23.5	28.5	27.0	27.5	29.5	28.5	29.0	25.5	24.5	25.0
6	23.5	22.5	23.0	30.0	28.0	29.0	29.0	28.0	28.5	25.5	24.5	25.0
7	24.5	23.0	23.5	30.5	29.0	29.5	29.0	28.0	28.0	26.0	25.0	25.5
8	25.0	23.5	24.5	30.0	28.5	29.5	28.5	27.5	28.0	26.5	25.5	26.0
9	25.5	24.0	24.5	29.0	28.0	28.0	27.5	26.5	27.0	27.0	26.0	26.5
10	25.5	24.5	25.0	28.0	26.0	27.5	27.0	26.0	26.5	26.5	25.5	26.5
11	25.0	24.0	24.5	26.0	25.0	25.5	26.5	25.5	26.0	26.0	25.0	25.5
12	24.5	24.0	24.5	25.5	24.5	25.0	27.0	25.5	26.0	25.0	24.0	24.5
13	25.0	23.5	24.5	25.5	24.5	25.0	27.0	26.5	26.5	24.5	23.5	24.0
14	25.0	24.0	24.5	26.0	25.0	25.0	27.0	26.5	27.0	24.5	24.0	24.0
15	26.0	24.5	25.0	26.0	25.0	25.5	26.5	25.5	26.0	24.5	24.0	24.0
16	25.5	24.5	25.0	27.5	25.5	26.0	26.5	25.0	25.5	24.0	23.0	23.5
17	25.5	24.5	25.0	28.0	26.5	27.0	27.0	26.0	26.5	23.0	18.0	20.0
18	24.5	24.0	24.0	28.5	27.0	28.0	28.0	27.0	27.5	18.5	18.0	18.5
19	24.5	23.5	24.0	29.0	28.0	28.5	27.5	26.0	26.5	18.0	17.5	17.5
20	24.5	23.5	24.0	29.5	28.5	29.0	26.5	25.5	26.0	---	---	---
21	24.5	23.5	24.0	29.0	28.5	29.0	26.0	25.0	25.5	---	---	---
22	25.0	23.5	24.5	29.0	28.5	29.0	25.0	24.5	25.0	---	---	---
23	25.5	24.0	24.5	29.5	28.0	29.0	25.5	24.0	25.0	---	---	---
24	26.0	24.5	25.5	29.0	28.0	28.5	25.5	24.5	25.0	---	---	---
25	26.0	25.0	25.5	29.5	28.5	29.0	26.0	24.5	25.0	---	---	---
26	26.5	25.0	26.0	30.0	28.5	29.0	25.5	24.0	24.5	---	---	---
27	27.5	26.0	26.5	30.0	29.0	29.5	24.5	23.5	24.0	---	---	---
28	28.5	26.5	27.5	30.5	29.5	29.5	25.5	24.0	24.5	---	---	---
29	28.5	27.5	28.0	30.0	29.0	29.5	26.0	25.0	25.5	---	---	---
30	28.0	27.0	27.5	30.0	29.0	29.5	25.0	24.0	24.5	---	---	---
31	---	---	---	30.0	29.0	29.5	24.5	23.5	24.0	---	---	---
MONTH	28.5	20.5	24.5	30.5	24.5	28.0	30.0	23.5	26.5	27.0	17.5	24.0
YEAR	30.5	.0	13.5									

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	10.5	10.0	10.3	12.9	12.0	12.6	14.8	13.2	14.1
2	---	---	---	10.7	10.1	10.4	12.9	11.9	12.6	14.5	13.2	14.3
3	---	---	---	10.6	10.2	10.4	12.8	11.9	12.6	14.7	14.0	14.4
4	---	---	---	10.7	10.1	10.4	12.9	11.2	12.4	14.6	14.0	14.4
5	---	---	---	10.7	10.2	10.5	12.2	11.9	12.0	14.4	13.8	14.2
6	---	---	---	10.8	9.9	10.6	12.2	11.8	11.9	14.3	13.6	14.0
7	---	---	---	10.9	10.0	10.6	12.2	11.8	12.0	14.4	13.1	14.1
8	10.5	---	---	10.9	9.8	10.6	12.0	11.7	11.8	14.7	13.4	14.3
9	10.3	8.9	10.0	11.4	10.1	10.7	12.0	11.0	11.8	14.7	13.9	14.4
10	10.1	9.3	9.7	11.3	10.8	11.1	11.8	11.5	11.8	14.6	14.0	14.4
11	9.8	9.1	9.5	11.4	10.5	11.1	12.2	11.3	12.0	14.5	13.7	14.2
12	9.6	8.7	9.3	11.5	10.6	11.3	12.5	12.0	12.2	14.4	13.9	14.1
13	9.6	9.0	9.4	11.6	10.8	11.3	12.5	12.0	12.3	14.5	14.0	14.2
14	10.1	8.8	9.6	11.6	10.8	11.0	12.8	12.2	12.5	14.4	13.2	14.1
15	10.0	8.6	9.6	11.8	11.0	11.5	12.8	12.2	12.5	14.6	13.7	14.2
16	9.7	9.1	9.5	11.8	11.1	11.4	12.9	12.2	12.6	14.5	13.6	14.3
17	10.0	9.2	9.8	11.8	10.5	11.4	13.1	12.4	12.7	14.4	13.7	14.2
18	10.2	9.5	10.0	11.8	10.8	11.4	13.2	12.4	12.9	14.2	13.7	14.1
19	10.2	9.4	10.0	11.8	11.0	11.5	13.0	12.5	12.8	14.5	12.7	14.1
20	10.1	9.3	9.8	12.1	11.3	11.6	13.4	12.6	13.0	14.1	13.8	14.0
21	10.1	8.9	9.8	11.9	10.9	11.7	13.4	12.9	13.2	14.2	13.9	14.0
22	10.3	9.1	10.0	12.0	11.5	11.7	13.4	12.7	13.1	14.2	14.0	14.1
23	10.5	9.8	10.3	12.2	11.0	11.8	13.1	12.6	12.8	14.3	14.0	14.1
24	10.7	10.0	10.5	12.6	11.7	12.2	13.4	12.4	13.0	14.3	13.9	14.1
25	10.5	10.2	10.4	12.9	12.1	12.5	13.9	13.1	13.6	14.1	13.8	13.9
26	10.6	9.9	10.4	12.9	12.0	12.5	13.9	12.9	13.8	14.6	14.1	14.3
27	10.4	9.9	10.2	12.9	11.4	12.5	14.1	13.6	14.0	15.1	14.6	14.9
28	10.3	9.8	10.1	12.7	11.5	12.1	14.1	13.8	14.0	15.2	14.9	15.1
29	10.4	9.8	10.1	12.7	11.1	12.5	14.4	13.8	14.1	15.1	14.9	15.0
30	10.5	9.8	10.3	12.7	11.6	12.5	14.4	13.7	14.1	15.1	14.9	15.0
31	10.5	10.0	10.2	---	---	---	14.1	13.8	13.9	15.1	14.7	15.0
MONTH	10.7	8.6	9.9	12.9	9.8	11.4	14.4	11.0	12.8	15.2	12.7	14.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	15.2	14.7	15.0	---	---	---	---	---	---	11.2	9.9	10.8
2	15.3	14.6	15.0	---	---	---	---	---	---	11.3	10.0	10.9
3	14.8	14.5	14.6	---	---	---	---	---	---	11.1	9.1	10.6
4	14.8	14.5	14.6	---	---	---	---	---	---	10.9	9.2	10.4
5	14.7	14.3	14.6	---	---	---	---	---	---	10.8	8.5	10.2
6	14.7	14.6	14.6	---	---	---	---	---	---	10.7	9.0	10.1
7	14.8	14.6	14.7	---	---	---	---	---	---	10.3	7.7	9.7
8	14.8	14.7	14.7	---	---	---	---	---	---	10.2	9.0	9.8
9	14.7	14.6	14.7	---	---	---	---	---	---	9.9	7.5	9.5
10	14.7	14.5	14.7	---	---	---	---	---	---	9.7	8.4	9.4
11	14.6	14.1	14.5	---	---	---	---	---	---	9.8	8.4	9.5
12	14.6	14.1	14.5	---	---	---	---	---	---	9.9	8.6	9.5
13	14.4	14.2	14.3	---	---	---	---	---	---	10.0	8.1	9.5
14	14.4	14.2	14.3	---	---	---	---	---	---	10.1	8.6	9.6
15	14.6	13.9	14.5	---	---	---	---	---	---	10.3	8.6	9.7
16	15.1	14.1	14.7	---	---	---	12.5	---	---	10.7	8.9	9.8
17	15.1	14.4	14.7	---	---	---	11.6	11.3	11.5	10.5	8.9	9.8
18	15.1	14.3	14.7	---	---	---	11.5	11.2	11.4	10.1	8.0	9.7
19	14.7	14.4	14.5	---	---	---	11.5	11.2	11.4	9.8	8.2	9.4
20	14.6	14.3	14.6	---	---	---	11.4	10.9	11.3	9.3	6.3	8.8
21	14.7	14.6	14.6	---	---	---	11.3	11.1	11.2	8.7	7.8	8.2
22	14.9	14.6	14.8	---	---	---	11.3	11.1	11.2	8.9	8.3	8.6
23	15.2	14.7	15.0	---	---	---	11.2	10.9	11.0	8.9	8.3	8.7
24	15.3	14.9	15.2	---	---	---	11.1	10.9	11.0	8.7	8.1	8.5
25	15.4	15.0	15.3	---	---	---	11.3	11.0	11.2	9.1	8.1	8.7
26	---	15.0	---	---	---	---	11.4	10.6	11.2	9.6	9.1	9.3
27	---	---	---	---	---	---	11.3	10.2	11.1	9.8	9.4	9.6
28	---	---	---	---	---	---	11.0	10.3	10.8	9.9	8.9	9.7
29	---	---	---	---	---	---	11.1	9.9	10.9	10.0	8.8	9.7
30	---	---	---	---	---	---	11.2	9.9	10.9	9.9	8.7	9.6
31	---	---	---	---	---	---	---	---	---	9.9	8.3	9.5
MONTH	15.4	13.9	14.7	---	---	---	12.5	9.9	11.2	11.3	6.3	9.6

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.2	8.1	9.4	---	---	---	---	---	---	7.2	6.7	7.0
2	9.8	7.8	9.2	---	---	---	---	---	---	7.4	6.9	7.2
3	10.0	7.8	9.1	---	---	---	8.8	---	---	7.5	7.0	7.2
4	---	---	---	---	---	---	9.1	7.3	8.4	7.5	7.1	7.3
5	---	---	---	---	---	---	8.7	7.8	8.3	7.4	7.0	7.2
6	---	---	---	---	---	---	8.3	7.3	7.8	7.2	6.7	7.1
7	---	---	---	---	---	---	8.4	6.9	7.6	7.0	6.7	6.9
8	---	---	---	---	---	---	7.5	6.1	7.2	6.8	6.4	6.7
9	---	---	---	---	---	---	7.7	6.5	7.0	6.7	6.1	6.5
10	---	---	---	---	---	---	7.2	6.4	6.9	6.3	5.5	6.1
11	---	---	---	---	---	---	6.9	6.1	6.6	6.1	5.2	5.9
12	---	---	---	---	---	---	6.7	6.0	6.4	6.2	5.2	5.9
13	---	---	---	---	---	---	6.5	5.7	6.3	6.1	5.1	5.8
14	---	---	---	---	---	---	6.3	5.9	6.1	6.3	5.6	6.0
15	---	---	---	---	---	---	6.1	5.1	5.9	6.5	5.5	6.1
16	---	---	---	---	---	---	6.0	5.3	5.8	6.7	5.7	6.1
17	---	---	---	---	---	---	6.0	4.9	5.7	8.0	6.5	7.2
18	---	---	---	---	---	---	5.7	5.0	5.6	8.7	7.9	8.3
19	---	---	---	---	---	---	5.8	4.8	5.6	9.0	8.7	8.8
20	---	---	---	---	---	---	6.1	5.0	5.8	9.1	---	---
21	---	---	---	---	---	---	6.1	5.6	6.0	---	---	---
22	---	---	---	---	---	---	6.6	5.8	6.2	---	---	---
23	---	---	---	---	---	---	6.4	6.0	6.3	---	---	---
24	---	---	---	---	---	---	6.5	5.8	6.3	---	---	---
25	---	---	---	---	---	---	6.4	6.0	6.4	---	---	---
26	---	---	---	---	---	---	6.5	5.9	6.3	---	---	---
27	---	---	---	---	---	---	6.6	5.9	6.4	---	---	---
28	---	---	---	---	---	---	6.6	6.2	6.4	---	---	---
29	---	---	---	---	---	---	6.7	6.0	6.5	---	---	---
30	---	---	---	---	---	---	6.8	6.2	6.6	---	---	---
31	---	---	---	---	---	---	7.0	6.1	6.7	---	---	---
MONTH	10.2	7.8	9.2	---	---	---	9.1	4.8	6.5	9.1	5.1	6.8
YEAR	15.4	4.8	10.9									