

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1966 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1999.

WATER TEMPERATURES: October 1955 to September 1956, October 1973 to September 1999.

INSTRUMENTATION.--Water-quality monitor since October 1973.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (<) data qualifier.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 443 microsiemens Feb. 15, 1992; minimum, 46 microsiemens April 2, 1977.

WATER TEMPERATURES: Maximum, 36.5°C Aug. 30, 1977; minimum, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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-CENT SATUR-ATION (00301)	COLI-FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	ENTERO-COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)
OCT 05...	1130	13800	115	11	7.2	14.0	15.0	3.1	9.8	97	480	70
NOV 09...	1400	15800	104	107	7.2	9.0	8.0	2.1	11.7	99	--	--
DEC 06...	1210	15100	98	103	7.4	12.0	5.0	1.6	12.9	102	K300	K63
JAN 21...	1100	16400	115	116	7.3	-8.0	.5	1.6	13.6	94	--	--
FEB 15...	1030	12000	266	271	7.3	3.0	.4	11	14.4	99	K1500	640
MAR 16...	1115	28000	88	95	7.2	18.0	4.5	4.2	13.6	105	--	--
APR 24...	1045	50800	83	83	7.8	12.5	7.5	6.1	11.8	99	3200	--
MAY 16...	0930	50100	75	77	7.4	25.5	13.0	7.7	10.3	97	--	--
JUN 21...	1000	16100	113	117	7.6	25.5	20.0	2.7	8.7	96	140	--
JUL 28...	1025	16200	107	109	7.4	--	20.5	6.4	7.7	86	660	--
AUG 16...	1045	16000	104	101	7.4	26.5	21.5	4.5	7.7	89	720	--
SEP 12...	1045	4010	154	153	7.8	25.0	22.0	.8	8.5	98	K16	--

DATE	ENTERO-COCCI (MEI) MF 24 HOUR (COL / 100 ML) (90909)	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)
OCT 05...	--	31	9.70	1.54	7.3	1.3	0	28	23	7.8	11.8	<.1
NOV 09...	--	29	9.06	1.52	6.5	1.2	0	27	22	7.7	10.8	<.1
DEC 06...	--	29	9.11	1.55	6.7	1.0	0	24	20	7.7	10.7	<.1
JAN 21...	--	30	9.53	1.63	9.3	1.1	0	23	19	8.4	13.3	<.1
FEB 15...	--	35	10.8	2.05	33.9	1.5	0	31	25	9.7	56.4	<.1
MAR 16...	--	23	7.01	1.31	6.9	.9	0	20	16	6.2	11.7	<.1
APR 24...	36	23	7.42	1.13	5.6	.8	0	21	17	5.8	8.5	<.1
MAY 16...	--	22	7.29	.94	4.2	.8	0	20	16	5.8	6.5	<.1
JUN 21...	21	31	10.0	1.56	8.1	1.2	0	27	22	7.0	11.9	<.1
JUL 28...	400	29	8.93	1.58	7.6	1.1	0	26	21	6.0	11.2	<.1
AUG 16...	60	27	8.51	1.36	6.8	1.2	0	24	20	5.5	9.9	<.1
SEP 12...	K3	40	12.7	1.96	11.4	1.7	0	39	32	7.8	16.2	<.1

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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. TOTAL (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 05...	5.7	75	82	<.010	.266	.070	.25	.32	.22	.59	.039	.022
NOV 09...	6.1	70	--	<.010	.242	.057	.24	.30	.22	.54	.030	.020
DEC 06...	6.3	63	--	<.010	.307	.050	.10	.15	.17	.46	.030	.023
JAN 21...	6.6	76	--	<.010	.386	.066	.17	.23	.19	.62	.047	.039
FEB 15...	6.2	146	156	<.010	.587	.185	.24	.43	.32	1.0	.090	.058
MAR 16...	5.6	59	--	<.010	.300	.055	.12	.18	.12	.48	.023	.010
APR 24...	5.0	55	62	<.010	.244	.030	.23	.26	.19	.50	.033	.010
MAY 16...	4.8	47	--	<.010	.186	<.020	--	.31	.18	.50	.060	.011
JUN 21...	5.4	73	73	<.010	.335	.043	.22	.26	.19	.59	.043	.028
JUL 28...	5.1	68	79	<.010	.318	.067	.28	.35	.27	.67	.060	.025
AUG 16...	5.6	66	68	<.010	.264	.036	.31	.35	.28	.61	.042	.024
SEP 12...	4.7	92	86	<.010	.404	.071	.23	.31	.28	.71	.090	.084
DATE	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)	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)
OCT 05...	.015	17	<1	13	<1	<1.0	E.4	<1	2	90	<1	23
NOV 09...	.011	--	--	--	--	--	--	--	--	80	--	19
DEC 06...	.013	29	<1	12	<1	<1.0	<.8	<1	1	90	<1	21
JAN 21...	.026	--	--	--	--	--	--	--	--	70	--	22
FEB 15...	.046	16	<1	20	<1	<1.0	<1.0	<1	4	70	<1	38
MAR 16...	<.010	--	--	--	--	--	--	--	--	50	--	13
APR 24...	.010	<36	<1	9	<1	<1.0	<.8	<1	3	50	<1	11
MAY 16...	<.010	--	--	--	--	--	--	--	--	50	--	5
JUN 21...	.019	16	<1	14	<1	<1.0	<.8	<1	1	100	<1	20
JUL 28...	.015	19	<1	14	<1	<1.0	<.8	<1	2	190	<1	15
AUG 16...	.015	42	<1	13	<1	<1.0	1.5	<1	2	180	<1	16
SEP 12...	.076	24	<1	15	<1	<1.0	<.8	<1	2	100	<1	20

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	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)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
OCT 05...	<1	<1	<1	1	<1	5.6	9	337	67	<.007	<.002	<.005
NOV 09...	--	--	--	--	--	--	4	171	56	<.007	<.002	E.005
DEC 06...	<1	<1	<1	2	<1	3.9	9	366	75	<.007	<.002	.006
JAN 21...	--	--	--	--	--	--	7	311	76	<.007	<.002	E.004
FEB 15...	<1	2	<1	6	<1	3.6	6	195	68	<.007	<.002	E.004
MAR 16...	--	--	--	--	--	--	7	528	79	<.007	<.002	<.005
APR 24...	<1	<1	<1	<1	<1	4.3	8	1100	75	<.007	<.002	<.005
MAY 16...	--	--	--	--	--	--	15	2030	87	<.007	<.002	<.005
JUN 21...	<1	<1	<1	3	<1	4.3	33	1440	78	<.007	<.002	.005
JUL 28...	<1	<1	<1	2	<1	5.8	17	745	81	<.007	<.002	.007
AUG 16...	<1	1	<1	4	<1	5.6	12	520	84	<.007	<.002	<.005
SEP 12...	<1	<1	<1	2	<1	3.3	3	33	70	<.007	<.002	<.005

DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFO S WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)
OCT 05...	<.018	E.005	<.004	<.003	<.002	<.006	<.004	<.004	<.001	.008	<.005
NOV 09...	<.018	E.005	<.004	<.003	<.002	<.006	<.004	<.004	<.001	.007	<.005
DEC 06...	<.018	<.004	<.004	<.003	<.002	<.006	<.004	<.004	<.001	<.005	<.005
JAN 21...	E.003	E.005	<.004	<.003	<.002	<.006	<.004	<.004	<.001	.005	<.005
FEB 15...	<.018	<.002	<.004	<.003	<.002	<.006	<.004	<.004	<.001	.005	<.005
MAR 16...	<.018	E.003	<.004	<.003	<.002	E.002	<.004	<.004	<.001	.006	<.005
APR 24...	<.018	E.004	<.004	<.003	<.002	<.006	<.004	<.004	<.001	.005	<.005
MAY 16...	<.018	E.004	<.004	<.003	<.002	<.006	<.004	<.004	<.001	<.002	<.005
JUN 21...	E.004	E.005	<.004	<.003	<.002	<.006	<.004	<.004	<.001	.010	<.005
JUL 28...	<.018	E.006	<.004	<.003	<.002	<.006	E.002	<.004	<.001	.013	.008
AUG 16...	<.018	E.005	<.004	<.003	<.002	<.006	<.004	<.004	<.001	E.004	<.005
SEP 12...	<.018	E.006	<.004	<.003	<.002	<.006	<.004	<.004	<.001	E.002	<.005

## CONNECTICUT RIVER BASIN

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01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 05...	<.004	.006	<.006	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
NOV 09...	<.004	<.002	.005	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
DEC 06...	<.004	<.002	.005	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
JAN 21...	<.004	<.002	.005	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
FEB 15...	<.004	<.002	<.005	<.002	<.002	<.025	<.003	<.002	<.004	<.002	<.007
MAR 16...	<.004	<.002	<.005	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
APR 24...	<.004	<.002	.004	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
MAY 16...	<.004	<.002	<.005	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
JUN 21...	<.004	E.002	.011	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
JUL 28...	<.004	.014	.014	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
AUG 16...	<.004	.005	.004	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
SEP 12...	<.004	.006	E.004	<.002	<.002	<.004	<.003	<.002	<.004	<.002	<.007
DATE	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
OCT 05...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
NOV 09...	<.002	<.006	<.004	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
DEC 06...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
JAN 21...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
FEB 15...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
MAR 16...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
APR 24...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
MAY 16...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
JUN 21...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
JUL 28...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
AUG 16...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003
SEP 12...	<.002	<.006	<.002	<.004	<.010	<.004	<.003	<.002	<.003	<.013	<.003

## CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT											
05...	<.017	<.001	<.004	E.005	<.002	<.002	<.004	<.003	<.013	<.001	<.005
NOV											
09...	<.017	<.001	<.004	E.029	<.002	<.002	<.004	<.003	<.013	<.001	<.005
DEC											
06...	<.017	<.001	<.004	<.006	<.002	<.002	<.004	<.003	<.013	<.001	<.005
JAN											
21...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
FEB											
15...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
MAR											
16...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
APR											
24...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
MAY											
16...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
JUN											
21...	<.017	<.001	<.004	E.020	<.002	<.002	<.004	<.003	<.013	<.001	<.005
JUL											
28...	<.017	<.001	<.004	E.014	<.002	<.002	.005	<.003	<.013	<.001	<.005
AUG											
16...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.040	<.001	<.005
SEP											
12...	<.017	<.001	<.004	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005

Gage house, station 01184000 Connecticut River at Thompsonville, mid-summer 1990.