QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-54, 1957, 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1969 to December 1970.

WATER TEMPERATURES: November 1969 to December 1970.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 are available in Connecticut 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 RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 530 microsiemens July 16, 1970; minimum recorded, 47 microsiemens July 4, 1970.

WATER TEMPERATURES: Maximum, 31.0°C July 28, 1970; minimum, 0.0°C on many days during winter periods.

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)
OCT											
23...	1030	86	358	7.5	11.5	10.5	2.5	10.4	91	680	96
DEC											
07...	1230	78	377	7.9	25.0	11.0	1.7	11.5	106	520	50
FEB											
08...	1150	327	261	7.5	.5	3.5	4.0	13.5	102	3800	1100
APR											
06...	1100	192	302	8.2	15.5	11.0	2.1	12.9	115	820	292
JUN											
07...	1050	81	370	7.6	34.0	21.0	3.3	8.2	94	K250	41
JUL											
06...	1025	80	359	7.6	35.5	27.0	5.3	6.3	80	K900	212
AUG											
18...	1045	35	446	8.1	27.0	24.0	15	7.8	94	940	164
SEP											
15...	1030	55	345	7.4	22.0	20.5	4.3	7.7	86	K340	140

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)
OCT											
23...	110	33	6.0	25	3.3	0	84	69	20	39	.16
DEC											
07...	120	36	6.6	26	3.5	0	96	79	21	41	.20
FEB											
08...	74	23	4.2	19	1.9	0	66	54	13	34	<.10
APR											
06...	93	29	5.1	20	2.0	0	81	66	14	34	<.10
JUN											
07...	120	36	6.3	26	3.2	0	95	78	21	44	.19
JUL											
06...	110	33	5.8	26	3.8	0	89	73	20	40	.24
AUG											
18...	130	41	7.1	36	5.1	0	100	82	25	51	.31
SEP											
15...	100	31	5.5	26	3.8	0	73	60	28	41	.20

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, 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										
23...	13	216	215	.015	3.85	.079	.60	.68	.50	4.5
DEC										
07...	11	223	226	.072	3.89	.172	.45	.62	.46	4.5
FEB										
08...	11	159	165	.022	1.65	.309	.25	.56	.46	2.2
APR										
06...	7.9	179	182	.029	1.92	.205	.39	.60	.46	2.5
JUN										
07...	11	249	248	.044	3.47	.066	.43	.49	.42	4.0
JUL										
06...	12	240	65	.053	2.97	.028	.56	.59	.46	3.6
AUG										
18...	13	257	270	.019	5.18	<.020	--	.94	.45	6.1
SEP										
15...	11	210	210	.016	3.01	.039	.48	.52	.45	3.5

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										
23...	.588	.557	.486	5.8	<1.0	98	<1.0	<1.0	<1.0	<1.0
DEC										
07...	.745	.605	.572	5.6	<1.0	99	<1.0	<1.0	<1.0	<1.0
FEB										
08...	.157	.129	.134	11	<1.0	73	<1.0	<1.0	<1.0	<1.0
APR										
06...	.237	.188	.156	15	<1.0	86	<1.0	<1.0	<1.0	<1.0
JUN										
07...	.435	.397	.340	10	<1.0	97	<1.0	<1.0	<1.0	<1.0
JUL										
06...	.718	.688	.614	9.0	<1.0	99	<1.0	<1.0	<1.0	<1.0
AUG										
18...	.693	.198	.750	14	<1.0	86	<1.0	<1.0	<1.0	<1.0
SEP										
15...	.341	.307	.283	7.2	<1.0	105	<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										
23...	4.3	64	<1.0	76	4.8	3.0	<1.0	9.9	<1.0	5.0
DEC										
07...	3.2	75	<1.0	87	2.8	4.5	<1.0	12	<1.0	5.2
FEB										
08...	3.4	91	<1.0	75	<1.0	2.1	<1.0	13	<1.0	3.3
APR										
06...	2.8	110	<1.0	94	1.2	2.1	<1.0	6.4	<1.0	4.5
JUN										
07...	3.7	65	<1.0	67	5.6	2.9	<1.0	8.9	<1.0	4.3
JUL										
06...	4.5	43	<1.0	93	4.9	3.9	<1.0	6.7	<1.0	5.1
AUG										
18...	5.6	17	<1.0	75	6.9	4.5	<1.0	7.0	<1.0	8.2
SEP										
15...	5.2	42	<1.0	113	9.4	4.0	<1.0	9.8	<1.0	5.5