

QUINNIPIAC RIVER BASIN

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT

LOCATION.--Lat 41°23'24", long 72°52'19", New Haven County, Hydrologic Unit 01100004, at bridge on U.S. Highway 5, at North Haven, 2.3 mi downstream from Wharton Brook and 0.9 mi upstream from Watermans Brook.

DRAINAGE AREA.--128 mi².

PERIOD OF RECORD.--Water year 1974 to current year.

REMARKS.--Stream tidal affected. 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.

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

DATE	TIME	SPE-CIFIC CONDUCTANCE (US/CM) (00095)	SPE-CIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATURATED (MG/L) (00301)	COLIFORMS, FECCAL, UM-MF (COLS./100 ML) (31616)	ENTEROCOCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
28...	0845	314	320	7.4	5.5	10.5	3.0	9.0	79	2800	140
DEC											
28...	1020	310	310	7.4	-4.0	2.5	2.7	12.7	93	3000	580
FEB											
14...	1000	399	402	7.8	4.0	4.0	46	12.4	96	2200	3100
APR											
11...	0945	281	283	7.7	7.5	8.0	4.2	10.8	89	2500	--
JUN											
08...	0920	173	172	7.4	23.0	14.0	11	9.0	87	3200	--
JUL											
24...	1025	351	365	7.5	30.0	20.5	3.6	7.0	78	240	--
AUG											
07...	0940	230	240	7.7	29.0	21.0	55	7.2	81	10000	--
SEP											
20...	0835	254	254	7.6	22.5	19.0	44	8.0	86	10000	--

DATE	ENTEROCOCCI (MEI) MF 24 HOUR (COL / 100 ML) (90909)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICARBONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKALINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT											
28...	--	96	29.4	5.45	21.8	2.6	0	90	74	19.6	32.6
DEC											
28...	--	96	29.8	5.28	18.7	2.3	0	85	70	15.4	31.5
FEB											
14...	--	89	27.6	4.92	38.8	2.6	0	82	67	16.1	60.8
APR											
11...	420	75	23.0	4.18	19.7	2.0	0	73	60	13.7	30.9
JUN											
08...	4200	48	14.7	2.63	11.0	1.3	0	45	37	8.3	16.4
JUL											
24...	164	110	32.8	5.88	26.6	3.3	0	93	76	20.2	39.7
AUG											
07...	K20000	70	21.7	3.81	15.9	2.3	0	68	56	12.0	22.8
SEP											
20...	K10000	73	23.0	3.87	16.2	2.7	0	66	54	12.7	24.7

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	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)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT											
28...	.1	13.1	193	206	.036	2.58	.109	1.2	1.3	1.2	3.8
DEC											
28...	.1	12.4	181	194	.065	3.11	.281	.74	1.0	.85	4.1
FEB											
14...	.2	8.8	224	270	.042	2.44	.446	2.2	2.6	2.0	5.0
APR											
11...	.1	8.1	155	166	.040	1.91	.224	1.1	1.4	1.1	3.3
JUN											
08...	<.1	7.4	112	111	.024	.917	.097	.80	.90	.65	1.8
JUL											
24...	.2	12.2	223	228	.044	3.95	.062	1.4	1.5	1.2	5.4
AUG											
07...	.1	9.4	144	242	.046	1.95	.084	1.4	1.5	.77	3.4
SEP											
20...	.1	8.4	152	240	.021	2.35	.052	1.4	1.4	.87	3.8

QUINNIPIAC RIVER BASIN

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT--Continued

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

DATE	PHOS-PHORUS	PHOS-PHORUS	PHOS-PHORUS	ALUM-INUM	ANTI-MONY	BARIUM	BERYL-LIUM	CADMIUM	CHRO-MIUM	COBALT
	TOTAL (MG/L AS P) (00665)	DIS-SOLVED (MG/L AS P) (00666)	ORTHO-DIS-SOLVED (MG/L AS P) (00671)	DIS-SOLVED (UG/L AS AL) (01106)	DIS-SOLVED (UG/L AS SB) (01095)	DIS-SOLVED (UG/L AS BA) (01005)	DIS-SOLVED (UG/L AS BE) (01010)	DIS-SOLVED (UG/L AS CD) (01025)	DIS-SOLVED (UG/L AS CR) (01030)	DIS-SOLVED (UG/L AS CO) (01035)
OCT 28...	.320	.266	.244	8	<1	86	<1	<1.0	<.8	<1
DEC 28...	.422	.336	.318	5	<1	85	<1	<1.0	<.8	<1
FEB 14...	.444	.281	.256	9	<1	87	<1	<1.0	<1.0	<1
APR 11...	.201	.159	.135	<11	<1	76	<1	<1.0	<.8	<1
JUN 08...	.200	.125	.096	<12	<1	44	<1	<1.0	<.8	<1
JUL 24...	.712	.630	.559	6	<1	97	<1	<1.0	<.8	<1
AUG 07...	.548	.279	.240	12	<1	68	<1	<1.0	<.8	<1
SEP 20...	.527	.271	.231	10	<1	65	<1	<1.0	.9	<1

DATE	COPPER	IRON	LEAD	MANGANESE	MOLYBDENUM	NICKEL	SILVER	ZINC	URANIUM	CARBON
	DIS-SOLVED (UG/L AS CU) (01040)	DIS-SOLVED (UG/L AS FE) (01046)	DIS-SOLVED (UG/L AS PB) (01049)	DIS-SOLVED (UG/L AS MN) (01056)	DIS-SOLVED (UG/L AS MO) (01060)	DIS-SOLVED (UG/L AS NI) (01065)	DIS-SOLVED (UG/L AS AG) (01075)	DIS-SOLVED (UG/L AS ZN) (01090)	NATURAL DIS-SOLVED (UG/L AS U) (22703)	ORGANIC TOTAL (MG/L AS C) (00680)
OCT 28...	4	130	<1	78	2	3	<1	9	<1	7.1
DEC 28...	2	90	<1	87	2	2	<1	8	<1	3.8
FEB 14...	4	60	<1	98	3	6	<1	13	<1	7.6
APR 11...	4	120	<1	65	2	3	<1	<8	<1	5.6
JUN 08...	6	110	<1	32	2	2	<1	<5	<1	7.1
JUL 24...	5	50	<1	67	5	3	<1	9	<1	5.6
AUG 07...	4	60	<1	24	4	3	<1	5	<1	9.7
SEP 20...	5	40	<1	49	2	3	<1	7	<1	12