

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 mi².

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 mi² to 342 mi². Discharge for this location is computed by determining discharge at station 01125500 and adjusting that discharge by multiplying by a factor of 1.04. Samples were analyzed for biochemical oxygen demand by the Connecticut Dept. of Public Health. 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	DIS-	SPE-	PH			CHLOR-A	CHLOR-B	OXYGEN,			
		CHARGE, INST. CUBIC FEET	SPE- CIFIC CON- DUCT- ANCE	CIFIC WATER FIELD	(STAND- ARD UNITS)	TEMPER- ATURE AIR	TEMPER- ATURE WATER	TUR- BID- ITY	PLANK- TON CHROMO	PHYTO- PLANK- TON CHROMO	DIS- OLVED (PER- CENT)	
		(00061)	(00095)	(90095)	(00400)	(00020)	(00010)	(00076)	(70953)	(70954)	(00300)	(00301)
OCT 12...	1210	249	192	194	7.3	15.5	16.5	2.7	--	--	10.5	107
NOV 29...	1430	336	168	170	7.4	6.0	8.5	3.4	--	--	11.9	102
JAN 11...	1500	796	140	142	7.2	4.5	3.5	2.2	--	--	13.2	102
FEB 23...	1445	497	205	207	7.8	10.5	2.5	1.7	--	--	14.5	105
MAR 21...	1500	1140	152	153	7.2	4.5	5.5	1.9	--	--	12.8	101
APR 05...	1420	725	150	154	7.6	7.0	11.5	3.3	--	--	10.7	100
MAY 23...	1450	696	141	143	7.4	18.5	15.0	3.6	1.7	<.1	10.1	102
JUN 28...	1425	378	139	146	7.8	24.0	25.5	3.1	6.4	.6	9.6	118
JUL 11...	1400	79	167	175	7.7	27.0	24.0	2.6	9.9	1.6	10.0	119
26...	1200	182	--	7.3	--	20.5	--	4.9	.6	.6	6.6	73
AUG 09...	1445	158	159	164	7.4	28.5	29.0	4.7	2.5	.3	8.8	116
23...	0850	106	187	--	6.9	--	19.5	--	6.2	.4	6.8	72
SEP 06...	1315	102	199	--	7.4	17.5	19.5	--	2.7	E.2	9.8	101
27...	1300	128	222	217	7.6	18.5	15.5	1.6	10.6	.9	9.9	99
<hr/>												
OXYGEN DEMAND,	COLI- FORM, FECAL, BIO- CHEM- ICAL, UM-MF	ENTERO- COCCI ME, MF WATER TOTAL TOTAL (COLS./ (COL / (COL / (COL / (COL / (00310)	ENTERO- COCCI (ME1) MF 24 TOTAL AS CACO3)	HARD- NESS CALCIUM TOTAL AS CACO3)	MAGNE- SIUM, SODIUM, SOLVED SOLVED (MG/L AS CA)	POTAS- SIUM, DIS- SOLVED SOLVED (MG/L AS MG)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3)			
		(31616)	(31649)	(90909)	(00900)	(00915)	(00925)	(00930)	(00935)	(00452)	(00453)	(39086)
OCT 12...	1.5	700	72	--	--	E10.1	E2.21	--	--	0	22	18
NOV 29...	<1.0	260	152	--	31	9.34	1.98	16.9	2.9	0	22	18
JAN 11...	<1.0	48	160	--	26	7.67	1.68	14.2	2.1	0	15	12
FEB 23...	<1.0	23	K15	--	--	E8.89	E1.85	--	--	0	17	14
MAR 21...	--	180	27	--	22	6.36	1.49	16.6	1.6	0	12	10
APR 05...	--	52	--	K187	--	E7.26	E1.53	--	--	0	13	11
MAY 23...	<1.0	65	--	32	25	7.33	1.55	--	--	0	17	14
JUN 28...	2.0	1500	--	252	27	8.09	1.62	--	--	0	20	16
JUL 11...	--	47	--	K16	33	9.71	2.01	17.8	2.3	0	24	20
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<1.0	100	--	K8	30	9.21	1.81	--	--	0	21	17
23...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 06...	--	--	--	--	--	--	--	--	--	--	--	--
27...	<1.0	130	--	56	38	11.9	2.12	--	--	0	39	32

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

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

DATE	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)	SILICA, DIS- SOLVED (MG/L AS) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L SUS- PENDED (MG/L) (70300)	TOTAL DEG. C SOLVED (MG/L) (00530)	RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00500)	SOLIDS, TOTAL (MG/L)	NITRO- GEN, NITRITE NO2+NO3 SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE NO2+NO3 SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRO- AMMONIA SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRO- ORGANIC SOLVED (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
	OCT 12...	--	30.8	--	--	111	<1	--	<.010	<.005	<.020	--	.50
NOV 29...	11.2	28.7	<.1	5.9	104	6	--	<.010	<.005	.026	.44	.46	
JAN 11...	8.6	23.8	<.1	7.3	91	5	--	<.010	.462	.044	.35	.39	
FEB 23...	--	41.3	--	--	117	<1	--	.029	.570	.144	.29	.44	
MAR 21...	8.9	30.1	<.1	5.7	88	--	88	<.010	.361	.036	.31	.35	
APR 05...	--	26.9	--	--	94	8	--	<.010	.344	.044	--	<.10	
MAY 23...	--	23.8	--	--	90	<10	93	<.010	1.46	.046	.36	.41	
JUN 28...	--	22.5	--	--	88	<10	90	<.010	.550	<.020	--	.58	
JUL 11...	6.1	28.7	<.1	4.2	105	--	105	<.010	.617	<.020	--	.58	
26...	--	--	--	--	--	--	--	.011	.455	.064	.62	.68	
AUG 09...	--	26.8	--	--	91	<10	106	<.010	.515	.030	.51	.54	
23...	--	--	--	--	--	--	--	.010	.569	.038	.53	.57	
SEP 06...	--	--	--	--	--	--	--	.020	.805	.056	.53	.58	
27...	--	32.6	--	--	124	<10	122	<.010	.967	.039	.78	.82	
DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, DIS. (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS TOTAL (MG/L AS P) (00666)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, ORTHO, DIS- RECOV- ERABLE (MG/L AS AL) (01105)	ALUM- INUM, ORTHO, DIS- RECOV- ERABLE (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC SOLVED (UG/L AS AS) (01002)	BARIUM, TOTAL ERABLE (UG/L AS AS) (01007)	BARIUM, RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
	OCT 12...	--	--	.063	--	--	65	12	<1	<3	12.3	12	<1
NOV 29...	<.10	--	.082	<.006	<.010	101	20	<1	<3	11.6	11	<1	
JAN 11...	.29	.86	.061	.033	.020	149	33	<1	<3	11.0	11	<1	
FEB 23...	--	1.0	<.050	--	--	42	28	<1	<3	11.8	13	<1	
MAR 21...	.20	.71	.019	.008	<.010	--	27	<1	--	--	10	<1	
APR 05...	E.10	--	.181	.012	<.010	1160	20	<1	E1	16.4	10	<1	
MAY 23...	.31	1.9	<.008	<.006	<.010	144	32	<1	<3	12.7	11	<1	
JUN 28...	.32	1.1	.077	.022	.014	106	50	<1	E2	10.5	10	<1	
JUL 11...	.37	1.2	.069	.026	.014	--	23	<1	--	--	11	<1	
26...	.44	1.1	.077	.021	<.010	--	--	--	--	--	--	--	
AUG 09...	.38	1.1	.064	.031	.016	107	17	<1	<3	15.0	11	<1	
23...	.40	1.1	.063	.031	.015	--	--	--	--	--	--	--	
SEP 06...	.48	1.4	.065	.035	.017	--	--	--	--	--	--	--	
27...	.42	1.8	.086	.015	<.010	58	14	M	<2	14.4	14	<1	

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

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

DATE	CADMIUM WATER	CADMIUM UNFLTRD	CHRO-MIUM, DIS-SOLVED	CHRO-MIUM, RECOV-SOLVED	COBALT, DIS-SOLVED	COPPER, ERABLE	COPPER, SOLVED	IRON, ERABLE	LEAD, SOLVED	MANGANESE, TOTAL RECOV- ERABLE		
	(UG/L AS CD)	(UG/L AS CD)	(UG/L AS CR)	(UG/L AS CR)	(UG/L AS CO)	(UG/L AS CU)	(UG/L AS CU)	(UG/L AS FE)	(UG/L AS FE)	(UG/L AS MN)		
	(01027)	(01025)	(01034)	(01030)	(01035)	(01042)	(01040)	(01045)	(01046)	(01051)	(01049)	
OCT 12...	<.1	<1.0	1	E.5	<1	3	2	430	170	2	<1	43
NOV 29...	E.1	<1.0	1	1.3	<1	5	2	480	180	2	<1	49
JAN 11...	<.1	<1.0	E1	.9	<1	1	1	400	150	1	<1	41
FEB 23...	<.1	<1.0	E1	<1.0	<1	10	1	260	130	1	<1	46
MAR 21...	--	<1.0	--	<1.0	<1	--	1	--	70	--	<1	--
APR 05...	E.1	<1.0	5	<.8	<1	4	1	1940	90	6	<1	155
MAY 23...	<.1	<1.0	1	E.5	<1	3	2	690	360	4	1	66
JUN 28...	<.1	<1.0	2	1.4	<1	3	3	760	270	3	1	62
JUL 11...	--	<1.0	--	<.8	<1	--	2	--	440	--	2	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	E.1	<1.0	2	1.1	<1	4	2	820	360	3	<1	88
23...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 06...	--	--	--	--	--	--	--	--	--	--	--	--
27...	<.1	M	2	2.2	M	3	2	380	160	1	1	77
<hr/>												
DATE	MANGANESE, TOTAL SOLVED (UG/L AS MN)	MERCURY DIS- ERABLE (UG/L AS HG)	MOLYB-DENUM, SOLVED (UG/L AS MO)	NICKEL, DIS- ERABLE (UG/L AS NI)	NICKEL, SOLVED (UG/L AS NI)	SILVER, DIS- ERABLE (UG/L AS AG)	SILVER, SOLVED (UG/L AS AG)	ZINC, DIS- ERABLE (UG/L AS ZN)	ZINC, SOLVED (UG/L AS ZN)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)	CARBON, ORGANIC TOTAL (MG/L AS C)	
	(01056)	(71900)	(01060)	(01067)	(01065)	(01077)	(01075)	(01075)	(01092)	(01090)	(22703)	(00680)
	(01056)	(71900)	(01060)	(01067)	(01065)	(01077)	(01075)	(01075)	(01092)	(01090)	(22703)	(00680)
OCT 12...	13	<.3	<1	<2	<1	<1	<1	<31	1	<1	--	
NOV 29...	23	<.3	<1	E1	<1	<1	<1	<31	3	<1	6.3	
JAN 11...	23	<.3	<1	<2	<1	<1	<1	<31	4	<1	5.4	
FEB 23...	45	<.3	<1	E1	<1	<1	<1	E22	6	<1	--	
MAR 21...	25	--	<1	--	<1	--	<1	--	4	<1	4.0	
APR 05...	44	<.3	<1	3	<1	<1	<1	51	2	<1	--	
MAY 23...	34	--	<1	E1	<1	<1	<1	<31	3	<1	6.5	
JUN 28...	7	<.3	<1	<2	6	<1	<1	<31	<17	<1	7.6	
JUL 11...	25	--	<1	--	<1	--	<1	--	2	<1	6.9	
26...	--	--	--	--	--	--	--	--	--	--	--	
AUG 09...	27	<.3	<1	<2	<1	<1	<1	<31	2	<1	6.0	
23...	--	--	--	--	--	--	--	--	--	--	--	
SEP 06...	--	--	--	--	--	--	--	--	--	--	--	
27...	42	<.1	1	<2	1	<1	<1	<31	2	M	6.8	