

HOUSATONIC RIVER BASIN

01203000 SHEPAUG RIVER NEAR ROXBURY, CT

LOCATION.--Lat 41°32'59", long 73°19'49", Litchfield County, Hydrologic Unit 01100005, on right bank at downstream side of Wellers Bridge 0.5 mi south of Roxbury Station, 1.2 mi southwest of village of Roxbury, and 2.4 mi upstream from Jacks Brook.
 DRAINAGE AREA.--132 mi².
 PERIOD OF RECORD.--Water years 1953-54, 1959, 1974 to current year.
 PERIOD OF DAILY RECORD.--
 WATER TEMPERATURES: October 1958 to September 1959.
 REMARKS.--Records of daily discharge from October 1930 to September 1971 in reports of the U.S. Geological Survey. 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.--
 WATER TEMPERATURES: Maximum, 25.0°C Aug. 17, 1959; minimum, 0.0°C Dec. 14, 1958.

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 (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, SATUR-ATION (00301)	COLI-FORM, FECAL, (PER-CENT UM-MF) (COLS./100 ML) (31616)
NOV 03...	1500	544	98	104	7.8	10.5	13.0	5.4	10.1	98	K2400
JAN 24...	1445	406	129	131	7.8	4.0	.0	1.3	14.4	99	88
MAR 07...	1350	336	107	107	7.7	19.5	5.0	1.4	12.8	101	K2
MAY 31...	1330	262	107	108	8.1	19.0	17.5	1.9	10.3	108	K6
JUN 20...	1240	340	100	106	8.3	25.0	19.5	2.4	10.4	114	64
JUL 31...	1035	589	90	92	7.8	25.0	19.0	5.9	9.4	101	600
AUG 29...	1010	79	120	122	8.0	25.0	20.5	--	9.6	106	60
SEP 22...	0940	56	138	133	8.2	15.5	15.0	.3	11.4	103	64

DATE	ENTERO-COCCI ME MF WATER TOTAL (COL / 100 ML) (31649)	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)
NOV 03...	K1200	--	35	8.31	3.35	4.8	1.8	0	33	27	7.6
JAN 24...	K10	--	45	10.6	4.42	6.7	1.4	0	44	36	9.3
MAR 07...	K4	--	33	7.94	3.28	5.8	1.1	0	29	24	7.3
MAY 31...	--	K6	36	8.63	3.47	5.6	.8	0	34	28	6.5
JUN 20...	--	62	35	8.45	3.40	5.4	1.0	0	34	28	6.2
JUL 31...	--	K500	33	7.89	3.11	4.4	1.0	0	24	20	5.2
AUG 29...	--	K21	42	10.3	3.94	6.1	1.4	0	38	31	6.1
SEP 22...	--	43	44	10.9	4.04	7.0	1.8	0	48	39	6.4

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, 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)	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)
NOV 03...	7.9	<.1	5.7	70	68	<.010	.070	<.020	--	.52	.26
JAN 24...	10.3	<.1	6.2	80	78	<.010	.374	.078	.24	.32	.25
MAR 07...	9.8	<.1	5.3	64	62	<.010	.247	<.020	--	.25	.15
MAY 31...	7.2	<.1	3.9	60	66	<.010	.075	<.020	--	.34	.22
JUN 20...	7.7	<.1	4.7	69	69	<.010	.110	<.020	--	.31	.21
JUL 31...	6.2	<.1	5.3	63	64	<.010	.119	<.020	--	.41	.30
AUG 29...	8.3	<.1	3.2	70	75	<.010	.105	<.020	--	.27	.27
SEP 22...	9.8	<.1	4.3	84	84	<.010	.214	<.020	--	.30	.25

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01203000 SHEPAUG RIVER NEAR ROXBURY, CT--Continued

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

DATE	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)	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)	BARIIUM, 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)
NOV 03...	.59	.071	.018	<.010	25	<1	12	<1	<1.0	<.8	<1
JAN 24...	.70	.034	.019	.010	7	<1	12	<1	<1.0	<.8	<1
MAR 07...	.50	.022	.010	<.010	13	<1	9	<1	<1.0	<1.0	<1
MAY 31...	.41	.025	.012	<.010	<26	<1	9	<1	<1.0	<.8	<1
JUN 20...	.42	.031	.016	<.010	17	<1	9	<1	<1.0	<.8	<1
JUL 31...	.53	.058	.017	.011	25	<1	11	<1	<1.0	<.8	<1
AUG 29...	.37	.018	.012	<.010	14	<1	11	<1	<1.0	<.8	<1
SEP 22...	.52	.041	.026	.019	10	<1	11	<1	<1.0	E.6	<1

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)
NOV 03...	1	110	<1	7	<1	<1	<1	1	<1	9.3
JAN 24...	1	60	<1	5	<1	<1	<1	1	<1	3.7
MAR 07...	<1	60	<1	6	<1	<1	<1	2	<1	3.7
MAY 31...	<1	70	<1	8	<1	<1	<1	<3	<1	4.3
JUN 20...	<1	90	<1	8	<1	<1	<1	<1	<1	4.6
JUL 31...	1	140	<1	5	<1	<1	<1	<1	<1	7.6
AUG 29...	<1	70	<1	8	<1	<1	<1	<1	<1	4.2
SEP 22...	<1	80	<1	10	<1	<1	<1	<1	<1	4.9