

HOUSATONIC RIVER BASIN

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA

LOCATION.--Lat 42°04'29", long 73°20'02", Berkshire County, Hydrologic Unit 01100005, 2.5 mi downstream from Soda Creek, 3.1 mi upstream from Konkapot River.

DRAINAGE AREA.--465 mi².

PERIOD of RECORD.--October 1991 to current year.

PERIOD of DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: March 1994 to September 1995.

SUSPENDED-SEDIMENT DISCHARGE: March 1994 to September 1995.

EXTREMES FOR PERIOD of DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 94 mg/L, March 9, 1995, minimum daily mean, 1 mg/L on several days.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 962 tons, April 8, 1994, minimum daily 0.41 tons, Aug. 25, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER 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)	FECAL COLI-FORM, MFC MF, WATER (COL/100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
NOV 13...	1030	210	356	7.8	5.0	4.0	1.8	11.9	92	7k	6k	130	33.3
JAN 17...	1030	243	457	7.8	2.0	1.5	2.4	12.5	92	35	840	150	37.3
MAR 05...	1130	111	317	7.7	-1.5	3.0	4.1	13.1	98	196	474k	110	28.2
MAY 28...	1015	751	313	7.8	22.5	17.0	3.7	8.4	89	60	116	120	31.1
JUN 24...	1115	536	323	7.4	27.0	23.0	5.7	7.1	84	96	24k	130	32.8
JUL 18...	0935	137	428	8.3	30.0	24.0	2.4	9.2	112	37	51	150	37.2
AUG 15...	1015	106	454	7.9	30.5	26.0	3.2	6.5	82	65	21	160	39.1
SEP 18...	0945	219	448	8.0	20.0	12.0	3.8	8.1	89	580	440	150	36.9

Date	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 FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT (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)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV 13...	12.1	22.3	2.04	0	142	118	15.2	33.1	<.1	1.35	192	200	E.006
JAN 17...	13.2	33.4	2.06	0	150	125	16.3	54.2	E.1	3.94	250	250	.009
MAR 05...	9.30	18.5	1.43	0	111	92	12.1	31.4	<.1	2.38	170	180	<.008
MAY 28...	10.2	17.0	.99	0	123	101	10.5	28.4	E.1n	2.06	171	177	E.004
JUN 24...	11.1	18.5	1.16	0	134	110	10.2	29.1	<.1	2.97	183	200	.016
JUL 18...	14.0	29.1	2.02	0	170	139	15.2	42.3	<.10	1.73	232	240	.020
AUG 15...	14.7	29.4	2.65	0	172	141	16.1	44.9	<.10	2.35	246	243	E.004
SEP 18...	14.1	30.4	2.97	0	166	136	20.6	41.0	<.1	1.61	246	248	.008

Date	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)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, 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)
NOV 13...	.88	.05	.57	.62	.59	1.5	.047	.038	.02	5	.12	13	<.06
JAN 17...	1.05	.11	.39	.50	.54	1.6	.056	.043	.04	6	.08	13	<.06
MAR 05...	.53	E.03	--	.31	.26	.84	.054	.027	.02	10	.15	10	<.06
MAY 28...	.35	E.02	--	.32	.26	.67	.051	.015	<.02	11	.21	10	<.06
JUN 24...	.56	.06	.39	.45	.32	1.0	.062	.029	.02	10	.17	13	<.06
JUL 18...	.56	<.04	--	.70	.31	1.3	.059	.011	<.02	12	.18	14	<.06
AUG 15...	.45	.05	.57	.62	.50	1.1	.054	.027	.28	10	.09	17	<.06
SEP 18...	1.01	.12	.61	.72	.57	1.7	.065	.045	.03	9	.19	16	<.06

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	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)	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 13...	E.02	<.8	.13	1.3	124	.14	46.3	.7	.38	<1	2	.42	4.2
JAN 17...	E.03	<.8	.16	1.2	73	E.08	70.5	.9	1.11	<1	3	.46	3.2
MAR 05...	<.04	E.4	.11	1.1	77	.16	28.8	.5	.49	<1	1	.33	3.9
MAY 28...	<.04	<.8	.17	3.1	62	.17	27.0	E.1	.37	<1	1	.33	4.2
JUN 24...	<.04	<.8	.14	1.1	61	.10	21.5	.6	.78	<1	<1	.34	4.6
JUL 18...	E.02	<.8	.23	1.7	43	E.06	44.0	1.0	.82	<1	<1	.56	4.8
AUG 15...	E.03	<.8	.22	1.7	44	.09	43.7	1.5	.47	<1	<1	.51	4.0
SEP 18...	E.03	<.8	.19	1.8	27	E.07	21.6	1.3	1.83	<1	2	.54	4.9

Value qualifier codes used in this report:

k -- Counts outside acceptable range

n -- Below the NDV