

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT

LOCATION.--Lat 41° 59' 14", long 72° 36' 21", Hartford County, Hydrologic Unit 01080205, on right bank just upstream from Enfield Dam, 1.0 mi downstream from Thompsonville, 3.0 mi downstream from Massachusetts-Connecticut State line, and at mile 63.6.

DRAINAGE AREA.--9,660 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to current year.

REVISED RECORDS.--WSP 741: 1932. WDR CT-77-1: 1976. WDR CT-83-1: Drainage area, 1982.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 38.48 ft above sea level. November 28, 1986 to August 2, 1990, recorder at site 200 ft downstream at datum 0.28 ft lower. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good, except for periods of estimated record, which are fair. Flow regulated by power plants, by diversion from Chicopee River Basin and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, Quabbin Reservoir, and other reservoirs, combined usable capacity, about 107 billion ft³.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 105,000 ft³/s, Apr. 4, gage height, 6.68 ft; minimum discharge, 1,910 ft³/s, Aug. 10, gage height, -2.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13,600	5,520	31,600	e17,100	e10,800	12,100	56,500	46,200	21,300	19,300	3,660	e8,970
2	12,400	6,950	44,900	e16,000	e10,500	11,700	59,900	45,900	26,100	17,000	6,260	10,700
3	10,900	7,760	49,000	17,600	e10,400	11,700	80,600	41,900	24,800	16,000	7,310	16,000
4	10,100	8,320	41,200	19,500	e10,000	11,900	103,000	37,400	20,300	13,800	7,110	14,100
5	8,980	8,840	30,900	23,900	e10,600	10,800	98,700	33,100	14,000	12,100	5,890	8,600
6	8,140	13,500	24,200	24,700	e10,000	11,000	84,000	28,800	12,000	11,300	5,070	6,530
7	8,850	12,800	21,800	21,400	e10,300	9,040	78,000	24,400	12,400	12,700	3,560	5,850
8	8,630	12,600	19,200	18,000	e10,500	11,000	77,200	24,000	12,700	11,800	5,270	4,700
9	7,090	10,900	21,400	17,300	e10,300	12,300	80,500	20,500	14,100	14,000	3,530	4,560
10	5,480	8,420	24,800	14,500	13,400	13,100	76,600	18,900	13,300	16,900	3,450	3,810
11	6,260	8,210	27,600	15,000	17,900	10,200	65,800	21,700	11,800	17,400	4,120	2,830
12	5,340	8,400	31,200	15,600	16,700	10,300	56,600	19,600	16,200	19,800	5,460	2,380
13	5,650	9,560	27,400	15,700	15,700	10,100	48,300	17,500	18,000	15,800	3,420	4,130
14	4,970	7,560	25,900	22,800	13,800	9,780	39,400	17,300	16,200	11,600	4,770	5,550
15	5,300	6,820	21,300	46,000	14,900	10,000	33,700	15,600	14,000	11,700	5,560	4,810
16	9,310	8,060	e18,000	43,700	16,800	10,000	32,600	16,700	18,900	12,400	3,940	5,350
17	13,100	7,380	e15,500	35,500	18,500	9,240	29,300	17,300	27,500	9,100	4,430	3,680
18	12,300	6,580	e14,200	e29,000	18,100	11,400	28,100	18,900	33,500	10,800	4,380	3,780
19	12,000	6,600	e13,400	e22,900	18,900	10,100	25,600	17,000	37,500	15,500	4,380	3,510
20	11,900	7,580	e11,000	e18,500	16,300	8,500	25,400	15,900	36,700	14,100	4,180	4,110
21	13,300	8,260	e11,700	e15,300	14,900	9,850	28,200	15,000	33,300	10,900	3,210	4,630
22	9,950	7,960	e10,800	e14,000	13,600	10,800	29,500	11,900	25,800	7,780	4,050	4,190
23	8,030	8,940	e10,500	e13,100	13,300	10,700	34,100	13,900	18,500	6,580	5,740	5,360
24	7,930	9,220	27,700	e12,600	12,400	14,200	49,100	16,900	16,200	5,730	4,340	3,700
25	8,330	12,500	41,700	e12,400	12,700	14,700	72,400	27,300	10,700	6,690	3,590	2,920
26	7,600	17,600	e33,800	e12,000	12,200	13,100	71,500	31,200	10,500	7,800	3,550	3,070
27	6,600	21,400	e23,900	e11,700	12,000	12,500	61,900	29,900	10,900	7,480	3,310	4,670
28	5,890	24,000	e18,800	e11,500	11,900	16,200	55,900	23,900	10,100	6,470	2,890	3,340
29	6,970	26,000	e15,700	e11,400	---	41,800	55,800	20,800	e13,600	4,260	5,410	5,500
30	5,890	29,500	e16,300	e11,200	---	63,700	49,300	20,400	e17,100	5,210	7,540	6,510
31	7,170	---	e17,500	e11,000	---	58,600	---	20,400	---	5,520	e7,870	---
TOTAL	267,960	337,740	742,900	590,900	377,400	480,410	1,687,500	730,200	568,000	357,520	147,250	167,840
MEAN	8,644	11,260	23,960	19,060	13,480	15,500	56,250	23,550	18,930	11,530	4,750	5,595
MAX	13,600	29,500	49,000	46,000	18,900	63,700	103,000	46,200	37,500	19,800	7,870	16,000
MIN	4,970	5,520	10,500	11,000	10,000	8,500	25,400	11,900	10,100	4,260	2,890	2,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

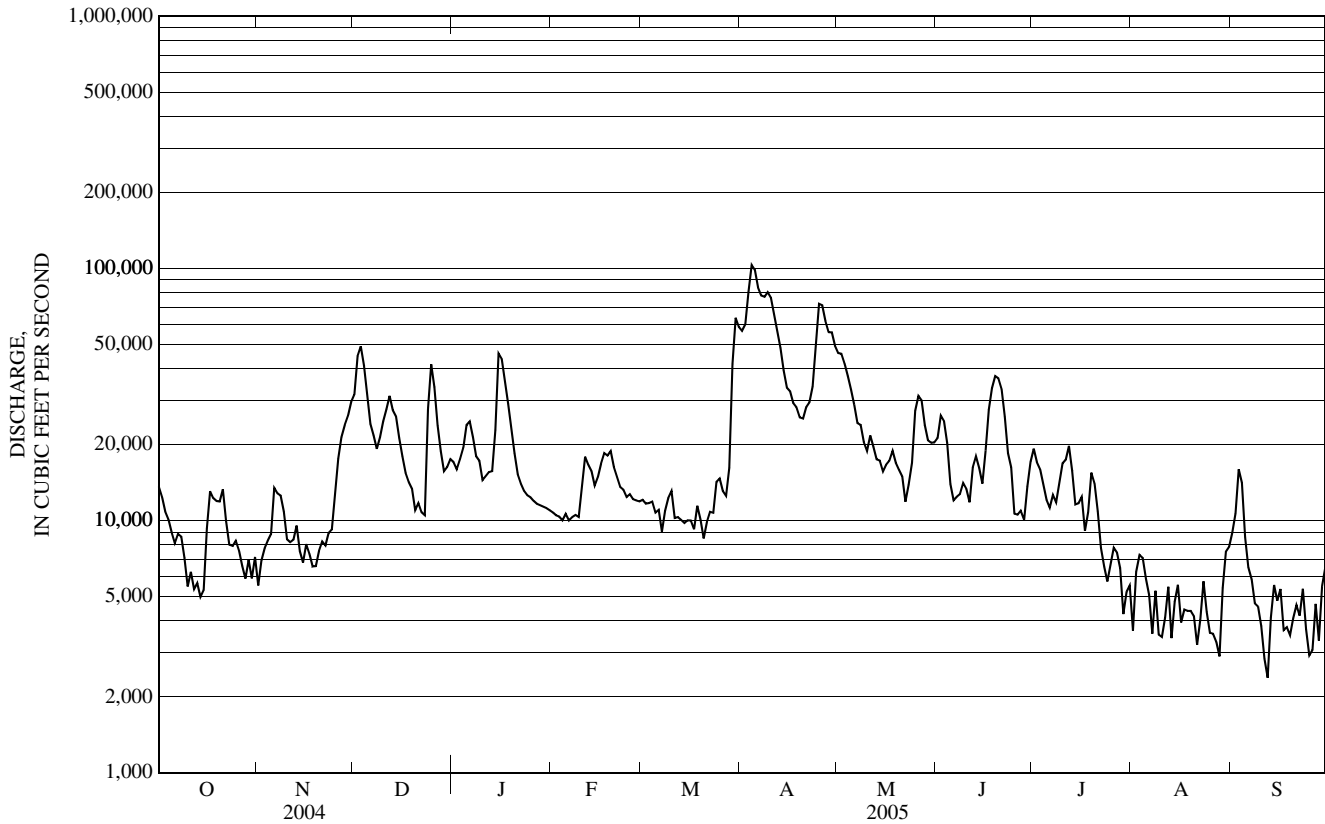
MEAN	10,190	14,920	15,950	14,190	13,540	24,870	45,320	26,910	13,940	7,939	7,061	7,303
MAX	31,730	33,310	39,000	30,180	39,100	89,210	76,050	51,520	42,600	28,810	22,530	42,700
(WY)	(1978)	(1996)	(1997)	(1978)	(1981)	(1936)	(1960)	(1972)	(1984)	(1973)	(1955)	(1938)
MIN	2,690	5,015	5,548	4,311	4,386	6,965	14,920	9,611	4,900	3,202	2,911	2,719
(WY)	(1964)	(1965)	(1948)	(1931)	(1940)	(1940)	(1995)	(1941)	(1964)	(1962)	(1965)	(1964)

e Estimated

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005	
ANNUAL TOTAL	5,747,520		6,455,620		16,820	
ANNUAL MEAN	15,700		17,690		7,847	
HIGHEST ANNUAL MEAN					24,920	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	86,400	Apr 3	103,000	Apr 4	278,000	Mar 20, 1936
LOWEST DAILY MEAN	3,040	Aug 9	2,380	Sep 12	968	Oct 20, 1963
ANNUAL SEVEN-DAY MINIMUM	4,710	Jun 29	3,890	Sep 22	1,870	Aug 15, 1964
MAXIMUM PEAK FLOW			105,000	Apr 4	282,000	Mar 20, 1936
MAXIMUM PEAK STAGE			6.68	Apr 4	a16.60	Mar 20, 1936
INSTANTANEOUS LOW FLOW			1,910	Aug 10	968	Oct 20, 1963
10 PERCENT EXCEEDS	31,000		36,000		37,200	
50 PERCENT EXCEEDS	10,800		12,500		11,200	
90 PERCENT EXCEEDS	6,120		4,740		4,100	

a From floodmarks.



01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1966 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1999, December 2001 to August 2004.

WATER TEMPERATURES: October 1955 to September 1956, October 1973 to September 1999, December 2001 to August 2004.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 443 microsiemens Feb. 15, 1992; minimum, 46 microsiemens April 2, 1977.

WATER TEMPERATURES: Maximum, 36.5° C Aug. 30, 1977; minimum, 0.0° C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 14...	0930	4,860	1.0	9.8	97	7.4	162	12.5	14.5	43	13.8	2.08	2.08
NOV 02...	1045	8,230	--	10.4	93	6.6	165	12.5	11.0	--	--	--	--
DEC 14...	1130	26,100	3.0	13.0	98	7.1	102	-2.0	3.5	27	8.60	1.43	1.04
FEB 07...	1300	12,300	--	13.4	92	6.3	155	7.5	.5	--	--	--	--
22...	1100	13,100	1.8	13.5	93	7.4	160	2.0	.5	33	10.3	1.88	1.13
MAR 14...	1130	9,410	--	13.0	96	7.2	196	3.0	2.5	--	--	--	--
APR 14...	1330	38,700	7.1	12.6	105	7.1	96	18.0	7.5	25	8.13	1.17	.97c
MAY 16...	1220	18,000	--	10.0	100	7.0	141	14.5	15.0	--	--	--	--
JUN 01...	1100	21,700	2.0	9.7	98	7.3	105	17.0	16.0	28	8.96	1.32	.99
JUL 06...	1000	11,600	2.5	7.2	86	7.2	130	24.5	24.0	33	10.6	1.58	1.47
26...	1145	7,520	--	8.8	112	6.2	150	29.5	27.5	--	--	--	--
AUG 03...	0815	7,170	.5	8.0	101	7.5	159	24.0	27.0	39	12.5	1.86	1.75
10...	1045	2,830	--	9.2	116	6.6	165	--	27.5	--	--	--	--
SEP 02...	1200	10,600	--	8.4	103	6.7	170	25.5	25.3	--	--	--	--
19...	0830	3,700	.8	7.8	91	7.2	160	22.5	23.0	42	13.9	1.86	1.89

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, ftrd, mg/L (00930)	Alka- linity, wat ftr inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat ftr incrm. titr., field, mg/L (00453)	Chlor- ide, water, ftrd, mg/L (00940)	Fluor- ide, water, ftrd, mg/L (00950)	Silica, water, ftrd, mg/L (00955)	Sulfate water, ftrd, mg/L (00945)	Residue on evap. at 105degC wat unf mg/L (00500)	Residue on evap. at 180degC wat ftr mg/L (70300)	Ammonia + org-N, water, ftrd, mg/L as N (00623)	Ammonia + org-N, water, unftrd mg/L as N (00625)	Ammonia water, ftrd, mg/L as N (00608)	Nitrite + nitrate water ftrd, mg/L as N (00631)
OCT 14...	13.2	31	38	20.1	E.1n	6.13	8.4	98	102	.23	.27	<.04	.44
NOV 02...	--	18	23	21.2	--	--	10.2	--	--	--	--	E.03n	.49
DEC 14...	7.86	19	23	11.7	E.1n	6.70	6.4	69	61	.14	.22	<.04	.24
FEB 07...	--	21	25	21.3	--	--	8.2	--	--	--	--	.08	.51
22...	14.5	21	26	25.0	<.1	7.10	7.7	92	87	.24	.23	.07	.49
MAR 14...	--	21	25	33.3	--	--	8.8	--	--	--	--	.07	.50
APR 14...	7.05	16	20	11.0	<.1	5.37	5.6	74	57	.25	.46	E.03n	.23
MAY 16...	--	25	30	18.2	--	--	7.1	--	--	--	--	E.04n	.35
JUN 01...	8.59	20	25	12.7	<.1	5.26	5.8	69	71	.22	.26	.04	.23
JUL 06...	10.5	25	30	15.6	<.1	5.72	6.9	80	82	.30	.36	.06	.36
26...	--	29	E.35	17.9	--	--	7.6	--	--	--	--	E.03n	.39
AUG 03...	12.5	28	34	18.5	E.1n	4.47	8.0	99	105	.36	.34	E.03n	.37
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 02...	--	34	42	19.8	--	--	8.3	--	--	--	--	.05	.38
19...	12.3	32	39	19.4	E.1n	4.36	8.4	89	92	.39	.36	.08	.40

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unftrd mg/L (00605)	Total nitro- gen, water, unftrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unftrd mg/L (00665)	Organic carbon, water, unftrd mg/L (00680)	Pheo- phytin a, peri- phyton, mg/m2 (62359)	Fecal coli- form, M-FC col/ 100 mL (31616)	Chloro- phyll a peri- phyton, chromo- fluoro, mg/m2 (70957)	Alum- inum, water, ftrd, ug/L (01106)	Anti- mony, water, ftrd, ug/L (01095)	Barium, water, ftrd, ug/L (01005)
OCT 14...	E.005n	--	.71	.06	.081	.087	4.3	--	52	--	14	<.20	16
NOV 02...	.012	--	--	.058	--	.075	--	--	--	--	--	--	--
DEC 14...	<.008	--	.47	<.02	.011	.021	3.8	--	440	--	38	<.20	10
FEB 07...	.011	--	--	.015	--	.031	--	--	--	--	--	--	--
22...	<.008	.17	.72	<.02	.013	.023	2.6	--	100	--	18	<.20	15
MAR 14...	E.004n	--	--	E.005n	--	.030	--	--	--	--	--	--	--
APR 14...	<.008	--	.68	<.02	E.010	.047	4.4	--	16k	--	32	<.20	9
MAY 16...	<.008	--	--	<.006	--	.024	--	--	--	--	--	--	--
JUN 01...	<.008	.21	.48	<.02	.013	.026	4.2	--	47	--	28	<.20	11
JUL 06...	E.004n	.30	.72	.04	.057	.072	5.3	--	500	--	21	<.20	13
26...	E.006n	--	--	.066	--	.099	--	--	--	--	--	--	--
AUG 03...	E.005n	--	.71	.04	.061	.067	4.4	--	39	--	19	<.20	15
10...	--	--	--	--	--	--	--	8.1d	--	25.3d	--	--	--
SEP 02...	.008	--	--	.041	--	.064	--	--	--	--	--	--	--
19...	.014	.28	.76	E.02n	.038	.048	4.5	--	270k	--	13	<.20	15

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	1-Naphthol, water, fltrd, ug/L (01095)
OCT 14...	<.06	E.02n	E.5n	.081	1.4	140	.11	23.8	E.4n	1.17	<.2	2.1	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	<.09
DEC 14...	<.06	<.04	<.8	.067	.8	96	.09	12.0	<.4	.53	<.2	1.5	--
FEB 07...	--	--	--	--	--	--	--	--	--	--	--	--	<.09mc
MAR 22...	<.06	<.04	<.8	.080	.9	64	E.06n	28.3	<.4	.74	<.2	4.2	--
APR 14...	--	--	--	--	--	--	--	--	--	--	--	--	<.09mc
MAY 14...	<.06	<.04	<.8	.070	1.0	60	E.08n	12.2	<.4	.80	<.2	1.7	--
JUN 16...	--	--	--	--	--	--	--	--	--	--	--	--	<.09mc
JUL 01...	<.06	<.04	<.8	.059	1.0	92	.09	11.5	<.4	.82	<.2	1.9	--
JUL 06...	<.06	<.04	<.8	.060	1.3	101	.12	23.6	E.3n	.97	<.2	1.3	--
AUG 26...	--	--	--	--	--	--	--	--	--	--	--	--	<.09mc
AUG 03...	<.06	.06	<.8	.061	4.6	105	.26	13.9	.6	1.20	<.2	3.5	--
SEP 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 02...	--	--	--	--	--	--	--	--	--	--	--	--	<.09mc
SEP 19...	<.06	<.04	.19	.068	2.3	72	.22	23.4	.6	1.37	<.2	2.5	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

[illegible]

	Di-	Di-1	Dimeth-	Disulf-	Disul-	Endo-	EPDS	Endo-
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01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

[illegible]

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Di- chlor- vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 14...	--	--	--	.10	--	--
NOV 02...	--	<.009	<.01	--	2	44
DEC 14...	--	--	--	.07	--	--
FEB 07...	--	<.009	<.01mc	--	1	33
22...	--	--	--	.06	--	--
MAR 14...	--	<.009	<.01mc	--	3	76
APR 14...	--	--	--	.06	--	--
MAY 16...	--	<.009	<.01mc	--	4	194
JUN 01...	--	--	--	.09	--	--
JUL 06...	--	--	--	.07	--	--
26...	<.004mc	<.009	<.01mc	--	1	20
AUG 03...	--	--	--	.08	--	--
10...	--	--	--	--	--	--
SEP 02...	<.004mc	<.009	<.01mc	--	7	200
19...	--	--	--	.07	--	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

b -- Value extrapolated at low end

c -- See laboratory comment

d -- Diluted sample; method hi range exceeded

k -- Counts outside acceptable range

m -- Value is highly variable by this method

n -- Below the LRL and above the LT-MDL

t -- Below the long-term MDL

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

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01184100 STONY BROOK NEAR WEST SUFFIELD, CT

LOCATION.--Lat 41° 57' 38", long 72° 42' 39", Hartford County, Hydrologic Unit 01080205, on right bank at upstream side of bridge on South Grand St., 2.1 mi south of West Suffield.

DRAINAGE AREA.--10.4 mi².

PERIOD OF RECORD.--Annual maximum, water years 1960-81. May 1981 to current year.

REVISED RECORDS.--WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 149.21 ft above sea level.

REMARKS.--Records good, except for periods of estimated record, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 17,300 ft³/s on basis of slope-area measurement, at site 5.6 mi downstream, just below State Route 75, drainage area = 36.9 mi², Aug. 19, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1530	*300	*3.31	Apr 24	1030	243	3.11
Mar 29	0545	279	3.24	Jul 9	0630	215	3.01
Apr 3	0745	220	3.03				

Minimum discharge, 0.19 ft³/s, Sep. 11, gage height, 1.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	5.1	41	19	e13	13	38	52	13	11	1.8	6.0
2	12	4.6	58	16	13	14	84	33	8.2	7.4	1.8	2.9
3	11	4.9	25	18	12	13	178	36	6.9	4.2	1.5	1.5
4	8.1	6.3	17	52	12	13	82	25	6.4	2.9	1.0	1.6
5	6.5	18	13	40	13	12	50	20	5.3	2.3	1.6	0.46
6	5.6	11	11	29	14	11	37	17	4.8	9.4	3.9	0.49
7	5.8	9.6	16	32	17	14	31	17	4.5	33	1.5	0.47
8	7.1	7.1	48	38	16	27	41	18	3.9	40	1.1	0.48
9	7.0	5.0	30	47	19	29	33	15	3.4	151	0.82	0.44
10	5.3	5.1	39	30	55	21	25	14	3.1	39	0.62	0.72
11	4.7	5.1	66	30	55	15	21	13	3.8	12	0.51	0.26
12	4.4	5.4	37	33	31	14	18	11	3.9	7.3	1.1	0.24
13	4.0	8.0	22	53	22	14	17	9.6	4.2	6.0	0.40	0.28
14	3.7	9.2	17	158	18	14	16	9.5	3.1	5.7	0.49	0.28
15	5.6	8.8	13	e90	90	16	14	10	2.7	6.2	5.8	0.33
16	22	8.1	10	e42	e62	20	13	26	5.2	40	3.2	4.7
17	14	7.4	10	e30	e44	23	12	15	33	16	1.3	2.2
18	7.8	6.5	9.9	e22	e27	26	12	11	9.5	11	0.75	1.5
19	14	6.2	9.3	19	e20	26	11	9.0	5.8	8.2	0.66	0.95
20	17	5.8	9.2	18	17	24	11	8.1	4.7	9.4	0.58	0.72
21	10	9.4	8.8	17	15	24	10	7.6	3.3	6.9	1.5	0.63
22	8.2	7.9	8.6	13	17	28	9.2	9.5	2.8	5.9	3.3	0.48
23	7.0	6.9	27	13	17	25	30	11	3.5	8.4	1.4	0.45
24	6.4	7.9	118	15	15	23	184	16	2.4	5.1	0.81	0.37
25	5.7	23	51	e15	14	29	74	22	1.6	3.5	0.54	0.33
26	5.9	16	25	e14	15	30	33	15	1.3	3.1	0.47	0.39
27	6.7	9.5	16	e15	13	23	28	14	1.3	2.4	0.40	0.84
28	5.0	28	13	e14	13	65	42	18	3.6	1.8	1.3	0.54
29	4.9	57	13	e13	---	213	33	12	19	1.7	4.3	0.68
30	5.0	22	16	e13	---	86	28	9.1	54	1.7	4.1	0.83
31	5.4	---	16	e14	---	47	---	8.5	---	1.3	4.8	---
TOTAL	254.8	334.8	813.8	972	689	952	1,215.2	511.9	228.2	463.8	53.35	32.06
MEAN	8.22	11.2	26.3	31.4	24.6	30.7	40.5	16.5	7.61	15.0	1.72	1.07
MAX	22	57	118	158	90	213	184	52	54	151	5.8	6.0
MIN	3.7	4.6	8.6	13	12	11	9.2	7.6	1.3	1.3	0.40	0.24
CFSM	0.79	1.07	2.52	3.01	2.37	2.95	3.89	1.59	0.73	1.44	0.17	0.10
IN.	0.91	1.20	2.91	3.48	2.46	3.41	4.35	1.83	0.82	1.66	0.19	0.11

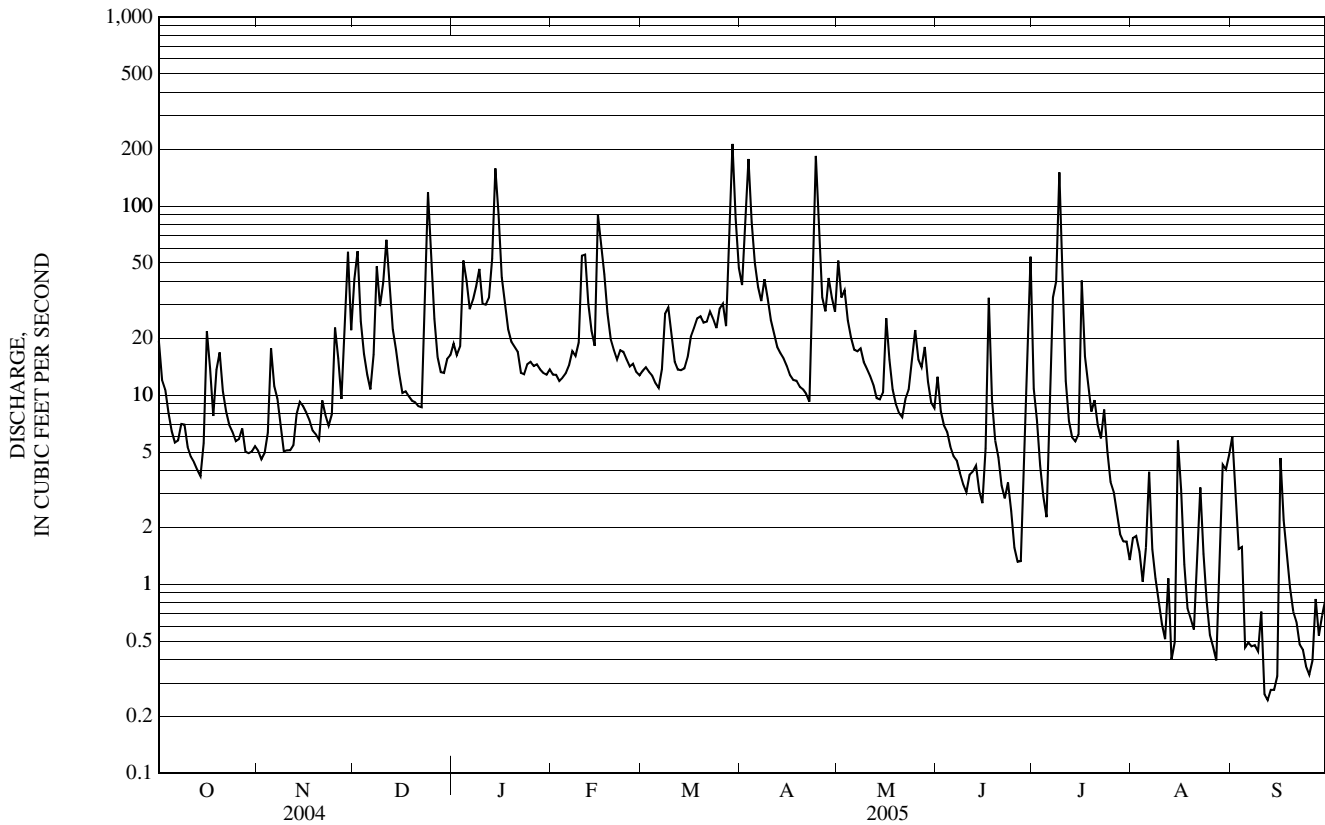
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	12.6	18.6	22.6	21.8	23.7	40.8	34.9	23.2	19.8	5.80	6.09	9.06
MAX	44.2	36.5	57.9	60.3	59.6	100	92.6	73.9	97.5	15.0	20.3	56.2
(WY)	(1990)	(1996)	(1997)	(1996)	(1984)	(2001)	(1983)	(1989)	(1982)	(2005)	(2000)	(2003)
MIN	1.76	1.38	3.69	2.29	4.76	12.6	8.13	5.79	1.25	0.56	0.41	0.48
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1985)	(1986)	(1999)	(1999)	(1993)	(1983)

e Estimated

01184100 STONY BROOK NEAR WEST SUFFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	5,640.00		6,520.91		20.0	
ANNUAL MEAN	15.4		17.9		29.9	
HIGHEST ANNUAL MEAN					6.83	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	213	Apr 14	213	Mar 29	910	Jun 6, 1982
LOWEST DAILY MEAN	0.19	Sep 6	0.24	Sep 12	0.08	Sep 4, 1995
ANNUAL SEVEN-DAY MINIMUM	0.65	Sep 2	0.36	Sep 9	0.13	Sep 2, 1995
MAXIMUM PEAK FLOW			300	Jan 14	1,920	Sep 28, 2003
MAXIMUM PEAK STAGE			3.31	Jan 14	6.07	Sep 28, 2003
INSTANTANEOUS LOW FLOW			0.19	Sep 11	0.07	Sep 3, 1995
ANNUAL RUNOFF (CFSM)	1.48		1.72		1.92	
ANNUAL RUNOFF (INCHES)	20.17		23.32		26.11	
10 PERCENT EXCEEDS	35		39		46	
50 PERCENT EXCEEDS	8.2		11		9.9	
90 PERCENT EXCEEDS	2.2		1.1		1.2	



CONNECTICUT RIVER BASIN

01184490 BROAD BROOK AT BROAD BROOK, CT

LOCATION.--Lat 41° 54' 50", long 72° 33' 00", Hartford County, Hydrologic Unit 01080205, on left bank just upstream from bridge on State Rt. 191 (Mill Street) at Broad Brook, 0.5 mi upstream from mouth.

DRAINAGE AREA.--15.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1961 to September 1976, May 1982 to current year.

REVISED RECORDS.--WSP 2101: 1962 (P). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 46.210 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good. Flow regulated by reservoir and mill upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1915	*237	*2.56	Apr 24	0715	182	2.25
Mar 29	0145	210	2.41	Jul 8	2030	163	2.13
Apr 3	0815	174	2.20				

Minimum discharge, 7.4 ft³/s, Sep. 29, gage height, 0.62 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

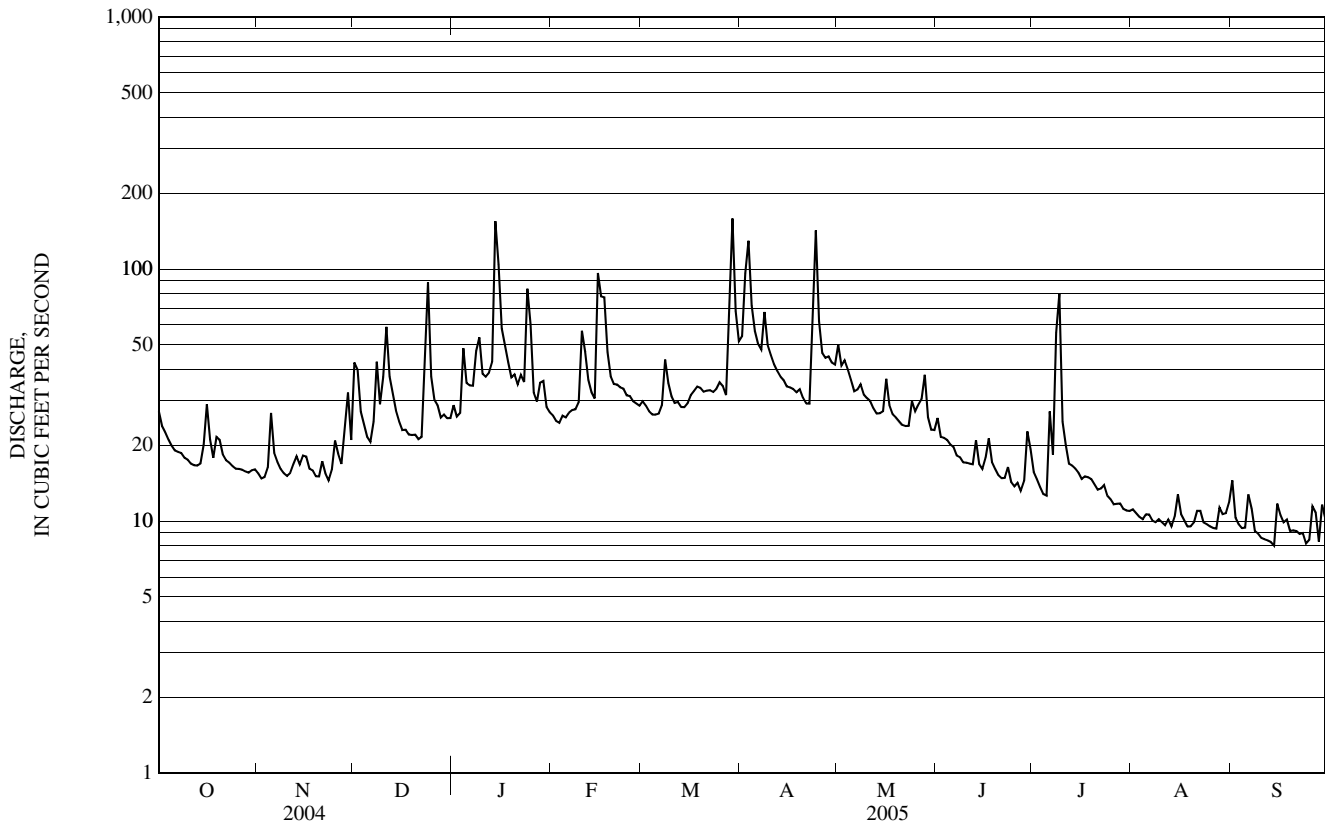
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	15	43	29	26	30	54	50	26	16	11	15
2	24	15	40	26	25	29	96	41	22	15	11	10
3	23	15	27	27	25	27	130	44	21	14	10	9.7
4	21	16	24	49	26	27	72	40	21	13	10	9.4
5	20	27	22	35	26	26	57	36	20	13	11	9.4
6	19	19	21	35	27	27	50	33	20	27	11	13
7	19	17	25	34	28	29	48	33	18	18	10	11
8	19	16	43	47	28	44	68	35	18	56	9.9	9.1
9	18	16	29	54	30	35	50	32	17	80	10	8.9
10	18	15	37	38	57	31	46	31	17	25	9.9	8.6
11	17	16	59	37	47	29	42	30	17	20	9.6	8.5
12	17	17	37	39	36	30	39	28	17	17	10	8.4
13	17	18	32	43	32	28	37	27	21	17	9.5	8.3
14	17	17	27	155	31	28	36	27	17	16	10	8.0
15	20	18	25	104	96	29	34	27	16	16	13	12
16	29	18	23	58	78	32	34	37	18	15	11	11
17	21	16	23	50	77	33	33	29	21	15	10	9.9
18	18	16	22	43	47	34	32	27	17	15	9.5	10
19	22	15	22	37	38	34	33	26	16	15	9.6	9.1
20	21	15	22	38	35	33	31	25	15	14	9.9	9.2
21	18	17	21	35	35	33	29	24	15	13	11	9.1
22	17	15	22	38	34	33	29	24	15	13	11	8.9
23	17	15	39	36	34	33	65	24	16	14	9.9	9.0
24	17	16	89	84	32	34	142	30	14	13	9.7	8.2
25	16	21	37	60	31	36	62	27	14	12	9.5	8.4
26	16	19	30	32	30	34	47	29	14	12	9.4	11
27	16	17	29	30	29	32	44	31	13	12	9.4	11
28	16	24	26	35	29	77	45	38	14	12	11	8.3
29	16	32	26	36	---	159	43	26	23	11	11	12
30	16	21	26	28	---	68	42	23	19	11	11	10
31	16	---	26	27	---	52	---	23	---	11	12	---
TOTAL	588	534	974	1,419	1,069	1,206	1,570	957	532	571	320.8	294.4
MEAN	19.0	17.8	31.4	45.8	38.2	38.9	52.3	30.9	17.7	18.4	10.3	9.81
MAX	29	32	89	155	96	159	142	50	26	80	13	15
MIN	16	15	21	26	25	26	29	23	13	11	9.4	8.0
CFSM	1.22	1.15	2.03	2.95	2.46	2.51	3.38	1.99	1.14	1.19	0.67	0.63
IN.	1.41	1.28	2.34	3.41	2.57	2.89	3.77	2.30	1.28	1.37	0.77	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2005, BY WATER YEAR (WY)

MEAN	16.3	20.2	25.0	27.6	29.6	41.0	37.9	29.6	24.4	16.4	14.7	15.0
MAX	44.3	45.8	64.7	68.5	66.4	86.2	87.5	64.1	65.4	31.3	33.1	53.8
(WY)	(1990)	(1976)	(1997)	(1976)	(1970)	(1972)	(1983)	(1984)	(1982)	(1967)	(1989)	(1975)
MIN	7.44	8.37	8.71	7.98	10.3	13.0	12.9	12.7	9.78	5.24	5.00	6.77
(WY)	(1966)	(1966)	(1966)	(1966)	(2002)	(2002)	(1966)	(1965)	(1965)	(1965)	(1965)	(1963)

01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1961 - 2005	
ANNUAL TOTAL	9,633		10,035.2		24.7	
ANNUAL MEAN	26.3		27.5		34.9	
HIGHEST ANNUAL MEAN					11.6	
LOWEST ANNUAL MEAN					11.6	
HIGHEST DAILY MEAN	183	Apr 14	159	Mar 29	487	Mar 3, 1972
LOWEST DAILY MEAN	11	Jul 29	8.0	Sep 14	1.7	Jul 17, 1965
ANNUAL SEVEN-DAY MINIMUM	12	Sep 11	8.5	Sep 8	2.9	Jul 12, 1965
MAXIMUM PEAK FLOW			237	Jan 14	1,140	Sep 27, 1975
MAXIMUM PEAK STAGE			2.56	Jan 14	6.56	Sep 27, 1975
INSTANTANEOUS LOW FLOW			7.4	Sep 29	1.3	Jan 1, 1965
ANNUAL RUNOFF (CFSM)	1.70		1.77		1.59	
ANNUAL RUNOFF (INCHES)	23.12		24.08		21.64	
10 PERCENT EXCEEDS	42		47		43	
50 PERCENT EXCEEDS	22		23		18	
90 PERCENT EXCEEDS	14		10		9.8	



01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1997 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrtcd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 20...	0915	22	4.2	11.4	100	7.8	339	10.5	10.0	120	35.7	6.77	4.36
DEC 28...	0930	20	4.8	15.4	104	7.5	290	-2.0	.5	96	28.1	6.16	3.17
FEB 15...	1030	113	30	13.0	98	7.4	270	11.0	3.0	65	18.9	4.26	3.99
APR 06...	0915	51	3.0	11.6	100	7.6	245	16.5	9.5	75	21.8	4.95	2.58
JUN 14...	0830	17	3.0	7.7	91	7.8	332	31.0	22.5	110	33.9	6.95	2.87
JUL 11...	0815	21	5.2	8.6	93	7.6	277	28.5	19.5	97	29.1	5.90	3.96
AUG 10...	0745	10	2.4	7.5	86	8.0	379	24.0	22.5	150	47.8	7.98	3.03
SEP 06...	0745	9.7	3.3	8.3	90	8.0	383	11.5	19.0	150	45.2	7.86	3.24

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unf mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 20...	14.8	68	83	--	27.8	E.1n	15.0	28.0	216	200	.39	.48	.07
DEC 28...	15.2	52	63	--	25.9	<.1	14.5	25.2	183	171	.33	.55	.14
FEB 15...	19.4	40	49	--	33.7	<.1	9.18	15.0	197	149	1.6	2.1	.87
APR 06...	15.2	40	50	--	26.2	E.1n	11.7	17.8	142	140	.42	.38	.07
JUN 14...	14.1	72	88	--	27.8	E.1n	14.0	26.9	207	203	.48	.49	.05
JUL 11...	12.8	55	67	--	23.3	<.1	12.3	23.3	185	181	.66	.70	.10
AUG 10...	15.9	90	109	0	29.9	<.1	12.6	34.3	232	214	.31	.41	.05
SEP 06...	14.9	89	109	0	29.4	<.1	14.7	36.0	259	233	.39	.35	.07

01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 20...	4.67	.052	.41	5.2	.04	.057	.081	5.6	230	400	7	<.20	100
DEC 28...	4.48	.020	.41	5.0	.04	.068	.095	3.6	250	500	11	<.20	84
FEB 15...	2.77	.018	1.2	4.8	.18	.22oc	.44oc	8.4	3,100	5,400	17	<.20	62
APR 06...	3.39	.017	.31	3.8	.05	.076	.104	3.8	71	130	23	<.20	69
JUN 14...	3.87	.049	.44	4.4	.04	.066	.097	4.2	740	840	20	<.20	79
JUL 11...	3.19	.041	.60	3.9	.14	.176	.20oc	E7.3	880	2,400	20	<.20	88
AUG 10...	3.94	.043	.36	4.4	E.01n	.040	.076	4.1	220	120	29	<.20	106
SEP 06...	4.33	.051	.28	4.7	.03	.04	.06	2.8	460k	480	23	<.20	99

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 20...	<.06	<.04	<.8	.163	2.2	56	<.08	73.5	E.4n	1.06	<.2	E.5n	.25
DEC 28...	E.03n	<.04	<.8	.150	2.1	43	E.04n	135	E.3n	.60	<.2	1.0	.23
FEB 15...	<.06	<.04	<.8	.190	2.8	50	E.06n	133	E.2n	.85	<.2	2.1	.10
APR 06...	<.06	<.04	<.8	.119	1.9	48	E.07n	81.8	E.2n	1.77	<.2	1.4	.13
JUN 14...	<.06	<.04	<.8	.145	1.3	57	E.07n	81.9	E.3n	1.23	<.2	E.5n	.22
JUL 11...	<.06	<.04	<.8	.138	2.3	63	E.06n	99.4	.4	1.57	<.2	.7	.18
AUG 10...	<.06	<.04	<.8	.160	1.1	31	E.05n	73.2	.5	2.06	<.2	E.4n	.47
SEP 06...	<.06	<.04	.22oc	.125	1.1	37	.09	80.8	.4	1.21	<.2	.8	.42

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

01186000 WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT

LOCATION.--Lat 41°57'46", long 73°01'05", Litchfield County, Hydrologic Unit 01080207, on right bank at downstream side of bridge on State Rt. 20 at Riverton, 0.3 mi upstream from Still River, 2.0 mi downstream from Goodwin Dam of West Branch Reservoir, and at mile 55.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--Discharge: August 1955 to current year. Water-quality records: Water Years 1954, 1955, 1975-80.

REVISED RECORDS.--WSP 1501: 1956. WSP 1551: 1957. WSP 1701: 1958-59.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 485.60 ft above sea level. Prior to Mar. 29, 1957, nonrecording gage at same site and datum. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good. Peak flows are affected flood-control regulation from Colebrook River Lake since 1969. The natural flow regime can be altered by regulation at Otis Reservoir, Colebrook River Lake, and West Branch Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 21.1 ft, from floodmarks, discharge, 57,200 ft³/s, by slope-area measurement 1.5 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,000 ft³/s, Apr. 12, gage height, 7.09 ft; minimum discharge, 70 ft³/s, July 18, 19, gage height, 3.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

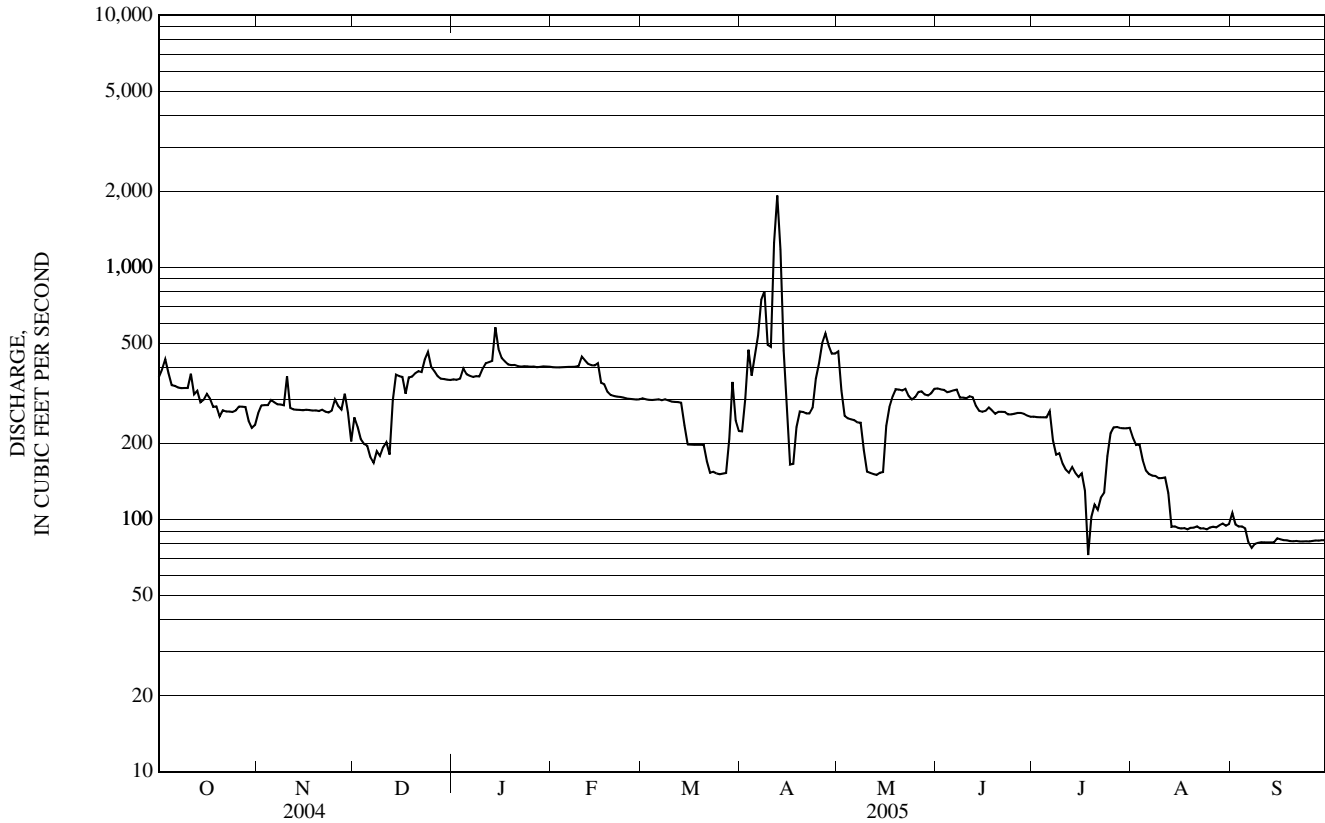
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	367	264	254	360	402	302	224	465	331	256	212	106
2	393	284	233	359	401	300	301	324	328	255	198	96
3	432	285	208	362	402	298	472	258	327	255	199	94
4	381	285	200	397	402	298	372	252	320	255	172	94
5	342	298	196	377	403	299	445	250	322	254	157	92
6	339	292	177	372	403	300	537	248	326	269	151	81
7	334	287	168	368	404	297	744	243	328	206	149	77
8	332	286	187	371	404	300	804	242	305	181	149	80
9	333	284	179	370	407	297	493	188	305	183	146	81
10	333	371	194	396	443	294	484	155	303	167	146	81
11	379	277	203	416	428	293	1,260	153	308	158	147	81
12	314	274	181	421	414	293	1,930	152	306	153	127	81
13	324	273	297	426	410	291	1,170	150	283	162	94	81
14	291	272	376	579	409	236	468	153	270	153	94	81
15	299	271	371	475	417	199	267	154	267	148	93	84
16	315	273	368	437	348	198	165	235	270	152	92	84
17	302	272	316	424	344	198	166	279	278	130	92	83
18	280	271	367	413	321	198	232	308	271	72	91	83
19	281	271	369	410	312	198	268	329	263	102	93	82
20	256	270	381	410	309	198	267	328	267	115	93	82
21	271	273	388	406	308	170	264	325	268	109	94	82
22	268	268	384	404	307	153	264	330	267	122	92	82
23	268	266	432	406	304	155	278	310	261	128	92	82
24	267	271	462	405	302	152	362	299	261	178	91	82
25	271	299	403	404	301	151	417	306	263	220	93	82
26	281	282	388	405	300	152	500	321	265	232	94	82
27	280	273	370	402	299	153	547	323	265	233	93	83
28	280	315	362	403	300	209	491	313	262	231	95	83
29	247	265	361	405	---	352	455	310	259	230	97	83
30	231	204	359	405	---	247	456	317	256	230	95	83
31	237	---	358	404	---	225	---	330	---	231	96	---
TOTAL	9,528	8,376	9,492	12,592	10,204	7,406	15,103	8,350	8,605	5,770	3,727	2,528
MEAN	307	279	306	406	364	239	503	269	287	186	120	84.3
MAX	432	371	462	579	443	352	1,930	465	331	269	212	106
MIN	231	204	168	359	299	151	165	150	256	72	91	77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

MEAN	192	254	255	224	213	263	439	294	279	219	229	170
MAX	1,080	794	655	597	729	668	1,134	673	903	720	509	490
(WY)	(1956)	(1956)	(1997)	(1978)	(1976)	(1968)	(1958)	(1983)	(1984)	(1972)	(1969)	(1973)
MIN	34.2	52.1	89.0	41.7	57.4	106	122	94.3	35.6	15.8	12.3	25.0
(WY)	(1969)	(1965)	(1965)	(1981)	(1977)	(1989)	(1985)	(1985)	(1957)	(1957)	(1957)	(1967)

01186000 WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005	
ANNUAL TOTAL	101,637		101,681		253	
ANNUAL MEAN	278		279		384	
HIGHEST ANNUAL MEAN					102	
LOWEST ANNUAL MEAN					7,310	
HIGHEST DAILY MEAN	570	Jan 5	1,930	Apr 12	2.7	Oct 16, 1955
LOWEST DAILY MEAN	54	Sep 14	72	Jul 18	2.7	Oct 5, 1960
ANNUAL SEVEN-DAY MINIMUM	118	Feb 24	80	Sep 6	3.8	Oct 1, 1960
MAXIMUM PEAK FLOW			2,000	Apr 12	10,600	Oct 16, 1955
MAXIMUM PEAK STAGE			7.09	Apr 12	12.47	Oct 16, 1955
INSTANTANEOUS LOW FLOW			70	Jul 18	0.90	Jul 21, 1960
10 PERCENT EXCEEDS	414		409		451	
50 PERCENT EXCEEDS	272		273		204	
90 PERCENT EXCEEDS	155		93		70	



01186500 STILL RIVER AT ROBERTSVILLE, CT

LOCATION.--Lat 41° 58'04", long 73° 02'04", Litchfield County, Hydrologic Unit 01080207, on left bank 1,500 ft downstream from Sandy Brook, 1 mi southeast of Robertsville, 1 mi northwest of Riverton, and 1 mi upstream from mouth.

DRAINAGE AREA.--85.0 mi².

PERIOD OF RECORD.--July 1948 to September 1967, July 1969 to current year.

REVISED RECORDS.--WSP 1901: 1948-60. WDR-CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 510.24 ft above sea level. Telephone telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are poor. Peak flows are affected by flood-control regulation at Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir since 1962. The natural flow regime can be altered by regulation from Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,710 ft³/s, Apr. 3, gage height, 7.33 ft; minimum discharge, 7.8 ft³/s, Aug. 27, gage height, 1.30 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	110	518	170	e127	e105	836	289	65	50	15	36
2	237	145	538	159	e126	e103	1,260	238	60	41	16	29
3	209	144	362	188	e125	e101	2,640	242	57	31	14	22
4	173	147	283	414	e123	e101	1,310	203	50	27	13	17
5	141	238	244	338	e121	e100	929	174	44	24	16	15
6	121	199	210	284	e120	e100	757	159	32	60	19	13
7	103	171	219	267	e120	e101	644	144	42	76	16	12
8	100	152	341	265	e119	e108	592	141	39	122	15	11
9	94	141	289	276	131	e123	454	134	35	223	14	11
10	88	133	343	241	333	e145	346	122	32	127	13	9.9
11	80	130	449	233	313	e140	272	110	34	78	12	9.2
12	82	125	342	248	228	e123	222	106	37	55	10	9.4
13	66	120	e279	275	183	e117	195	94	32	50	9.5	9.8
14	68	121	e229	1,210	158	e111	178	87	30	44	12	10
15	98	114	e196	1,010	429	109	163	88	27	39	22	25
16	229	108	e177	567	437	108	146	102	32	36	25	28
17	179	119	e161	366	459	108	141	93	74	33	18	25
18	136	110	e151	262	309	111	130	85	59	31	15	30
19	199	99	e143	e218	e208	113	120	75	44	33	14	28
20	218	79	e137	e200	e181	117	113	71	36	34	13	24
21	169	96	e132	e187	e165	114	106	64	31	27	15	20
22	136	94	e128	e177	e150	131	102	73	27	22	14	16
23	121	85	e307	e168	e139	154	143	83	26	25	12	14
24	112	93	816	e159	e129	141	594	90	24	24	11	15
25	101	247	432	e151	e120	129	375	107	22	21	10	12
26	108	210	270	e147	e113	129	244	100	21	19	9.1	11
27	99	153	e221	e140	e111	138	223	94	21	17	8.4	15
28	92	285	e194	e134	e107	375	243	110	29	18	12	14
29	74	444	e175	e131	---	1,520	227	121	50	15	19	14
30	77	292	e163	e130	---	1,100	219	86	67	13	17	15
31	80	---	153	e128	---	881	---	74	---	12	25	---
TOTAL	4,102	4,704	8,602	8,843	5,384	7,056	13,924	3,759	1,179	1,427	454.0	520.3
MEAN	132	157	277	285	192	228	464	121	39.3	46.0	14.6	17.3
MAX	312	444	816	1,210	459	1,520	2,640	289	74	223	25	36
MIN	66	79	128	128	107	100	102	64	21	12	8.4	9.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005, BY WATER YEAR (WY)

	126	169	192	190	194	301	363	200	129	59.3	79.5	80.6
MAX	832	569	527	503	621	699	786	577	492	276	1,228	363
(WY)	(1956)	(1956)	(1974)	(1999)	(1981)	(1953)	(1987)	(1989)	(1972)	(1972)	(1955)	(1975)
MIN	16.8	24.6	37.5	15.7	47.9	106	92.9	59.4	28.9	12.1	9.32	10.3
(WY)	(1958)	(1965)	(1981)	(1981)	(1980)	(1989)	(1985)	(1965)	(1995)	(1957)	(1957)	(1995)

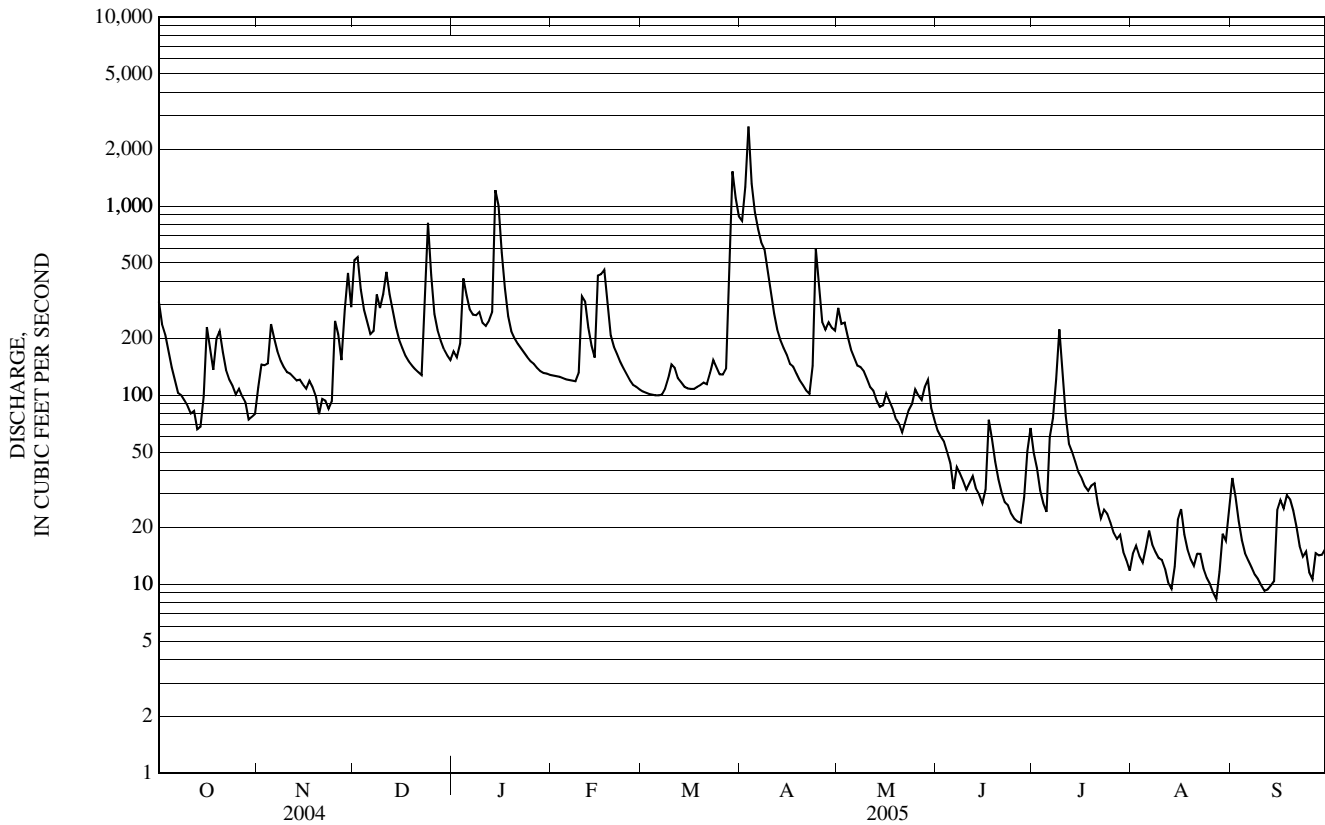
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01186500 STILL RIVER AT ROBERTSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005	
ANNUAL TOTAL	60,870		59,954.3		173	
ANNUAL MEAN	166		164		269	
HIGHEST ANNUAL MEAN					62.0	
LOWEST ANNUAL MEAN					24,800	
HIGHEST DAILY MEAN	1,340	Sep 18	2,640	Apr 3		Aug 19, 1955
LOWEST DAILY MEAN	23	Sep 7	8.4	Aug 27	0.30	Sep 14, 1957
ANNUAL SEVEN-DAY MINIMUM	29	Sep 2	10	Sep 8	2.1	Sep 10, 1995
MAXIMUM PEAK FLOW			3,710	Apr 3	a44,000	Aug 19, 1955
MAXIMUM PEAK STAGE			7.33	Apr 3	b16.48	Aug 19, 1955
INSTANTANEOUS LOW FLOW			7.8	Aug 27	0.20	Sep 14, 1957
10 PERCENT EXCEEDS	328		321		371	
50 PERCENT EXCEEDS	121		113		102	
90 PERCENT EXCEEDS	40		15		23	

a From rating curve extended above 5,600 ft³/s on basis of slope-area measurement of peak flow.

b From floodmarks.



01187300 HUBBARD RIVER NEAR WEST HARTLAND, CT

LOCATION.--Lat 42°02'14", long 72°56'22", Hartford County, Hydrologic Unit 01080207, on left bank at Massachusetts-Connecticut Stateline, 800 ft upstream from bridge on State Rt. 20, 0.5 mi upstream from confluence with Valley Brook, and 2.6 mi northeast of West Hartland.

DRAINAGE AREA.--19.9 mi².

PERIOD OF RECORD.--January 1938 to September 1955, September 1956 to current year. Monthly discharge only for periods January 1938 to September 1955, October 1956 to September 1960, published in WSP 1721. Daily figures for the periods January 1938 to September 1955, September 1956 to September 1960, available upon request.

REVISED RECORDS.--WDR-CT-83-1: Drainage area.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 594.57 ft above sea level. Prior to October 1, 1981, at datum 0.05 ft higher.

REMARKS.--Records good, except those for periods of estimated record, which are fair.

COOPERATION.--Gage-height record prior to May 28, 1982 furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	1945	539	4.41	Mar 29	0445	720	4.90
Jan 14	1215	811	5.13	Apr 3	0100	*1,930	*7.30

Minimum discharge, 0.42 ft³/s, Sept. 13, gage height, 0.07 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	20	200	43	e39	26	239	92	14	10	1.7	4.3
2	57	19	148	40	e36	25	488	62	12	7.4	1.7	2.5
3	51	21	80	52	e35	23	958	58	10	4.7	1.6	1.6
4	38	22	62	127	e32	21	269	46	9.0	3.8	1.4	1.2
5	30	56	53	82	e25	22	186	39	7.7	3.1	1.3	0.95
6	25	39	46	66	22	21	150	33	6.9	4.2	1.6	0.84
7	23	30	49	59	22	22	137	30	7.2	3.6	1.4	0.80
8	21	26	95	55	23	28	161	28	5.9	8.6	2.2	0.74
9	25	23	86	51	30	e66	105	25	4.9	22	2.0	0.67
10	24	22	124	47	128	e34	81	22	4.5	11	1.4	0.61
11	17	22	167	46	e82	24	67	21	5.4	5.9	1.1	0.49
12	16	22	94	49	e51	23	50	26	5.8	4.4	1.0	0.48
13	15	22	71	59	e39	22	43	21	5.5	4.3	1.0	0.45
14	14	21	60	463	35	21	37	19	4.4	4.1	1.1	0.48
15	22	23	44	193	e241	21	31	18	3.9	8.3	2.3	1.9
16	62	25	43	93	e162	20	28	21	5.0	41	1.9	1.7
17	39	24	43	70	e96	20	25	17	16	16	1.5	1.2
18	28	24	38	49	e65	21	23	15	10	11	1.2	1.2
19	41	24	35	44	e47	22	21	13	7.6	8.1	1.1	0.98
20	44	22	e30	48	e38	22	19	12	6.1	5.8	0.95	0.84
21	40	28	e29	33	e33	23	18	12	5.0	4.2	2.0	0.72
22	37	28	33	36	e31	31	17	16	4.1	3.7	1.4	0.65
23	33	25	139	e47	e29	36	34	18	3.6	4.6	1.1	0.59
24	30	28	250	e41	e26	32	287	30	3.1	5.1	0.91	0.55
25	27	83	92	e43	e25	29	115	40	2.9	3.2	0.78	0.48
26	25	58	63	e53	26	28	66	35	2.5	2.4	0.72	0.58
27	23	39	50	e59	25	31	65	28	2.4	2.1	0.62	1.0
28	22	130	43	e57	24	114	79	24	3.9	2.0	1.5	0.73
29	21	143	45	e49	---	533	71	20	9.9	1.9	2.4	0.91
30	21	73	41	e45	---	275	66	17	19	1.7	1.7	0.87
31	22	---	38	e43	---	223	---	14	---	1.6	2.9	---
TOTAL	972	1,142	2,391	2,242	1,467	1,859	3,936	872	208.2	219.8	45.48	31.01
MEAN	31.4	38.1	77.1	72.3	52.4	60.0	131	28.1	6.94	7.09	1.47	1.03
MAX	79	143	250	463	241	533	958	92	19	41	2.9	4.3
MIN	14	19	29	33	22	20	17	12	2.4	1.6	0.62	0.45
CFSM	1.58	1.91	3.88	3.63	2.63	3.01	6.59	1.41	0.35	0.36	0.07	0.05
IN.	1.82	2.13	4.47	4.19	2.74	3.48	7.36	1.63	0.39	0.41	0.09	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	21.8	41.4	46.9	40.1	40.2	81.1	94.5	49.2	29.4	12.1	13.4	14.8
MAX	101	103	132	117	165	193	230	145	124	61.8	270	88.7
(WY)	(1997)	(1996)	(1974)	(1996)	(1981)	(1953)	(1993)	(1989)	(1972)	(1969)	(1955)	(1975)
MIN	1.41	4.54	8.25	3.47	6.64	22.0	24.2	12.2	3.18	1.12	0.57	0.81
(WY)	(1965)	(2002)	(1947)	(1981)	(1980)	(1941)	(1999)	(1980)	(1957)	(1971)	(1957)	(1953)

e Estimated

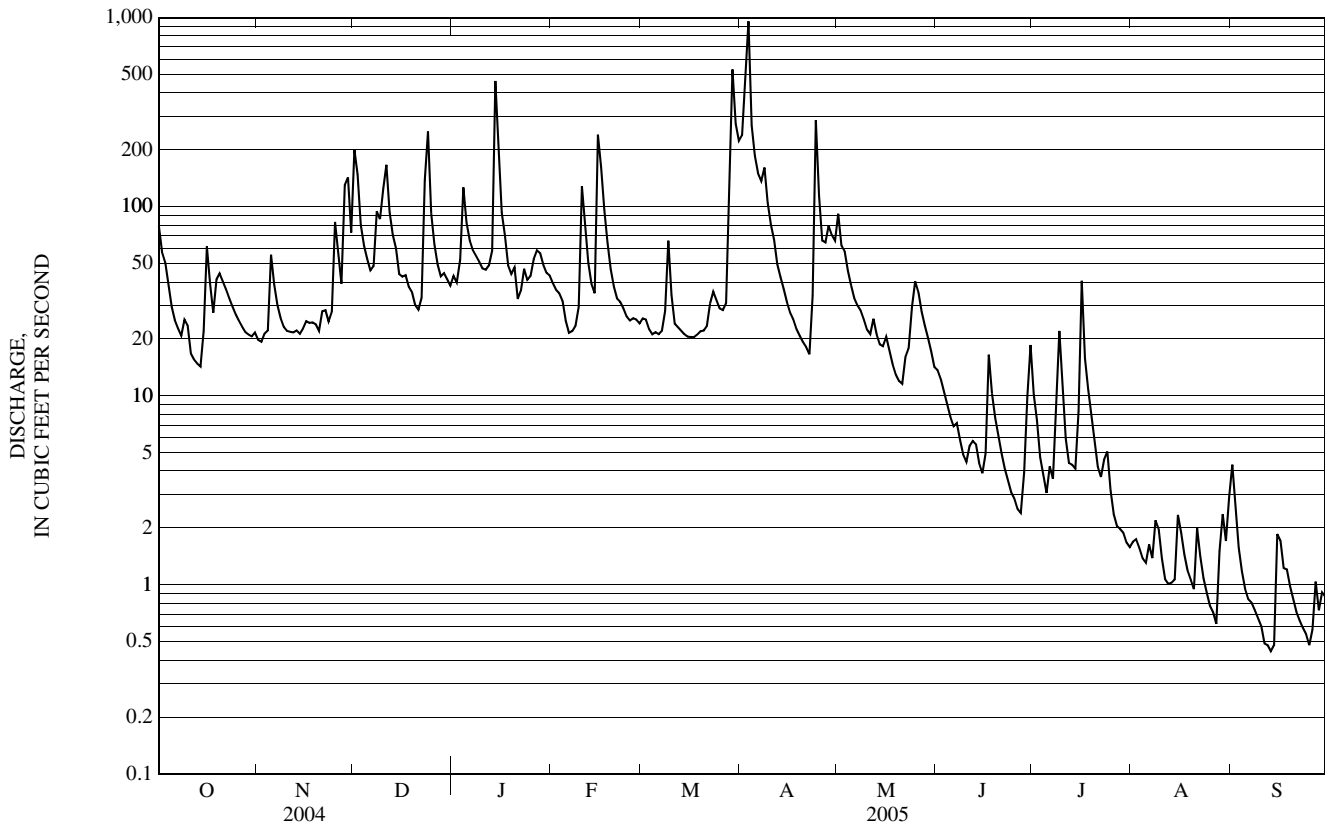
01187300 HUBBARD RIVER NEAR WEST HARTLAND, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	14,848.4		15,385.49		40.4	
ANNUAL MEAN	40.6		42.2		64.3	
HIGHEST ANNUAL MEAN					16.2	
LOWEST ANNUAL MEAN					5,000	
HIGHEST DAILY MEAN	524	Sep 18	958	Apr 3		Aug 19, 1955
LOWEST DAILY MEAN	2.8	Jul 4	0.45	Sep 13	0.19	Sep 12, 1995
ANNUAL SEVEN-DAY MINIMUM	3.8	Jun 29	0.56	Sep 8	0.21	Aug 15, 1957
MAXIMUM PEAK FLOW			1,930	Apr 3	a10,500	Aug 19, 1955
MAXIMUM PEAK STAGE			7.30	Apr 3	b16.50	Aug 19, 1955
INSTANTANEOUS LOW FLOW			0.42	Sep 13	c0.30	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	2.04		2.12		2.03	
ANNUAL RUNOFF (INCHES)	27.76		28.76		27.56	
10 PERCENT EXCEEDS	89		84		93	
50 PERCENT EXCEEDS	25		23		20	
90 PERCENT EXCEEDS	5.7		1.2		2.4	

a From rating curve extended above 300 ft³/s on basis of contracted-opening measurement of peak flow.

b From high water marks in the gage well.

c Occurred frequently during low-flow periods.



01188000 BURLINGTON BROOK NEAR BURLINGTON, CT

LOCATION.--Lat 41° 47' 10", long 72° 57' 55", Hartford County, Hydrologic Unit 01080207, on left bank 1.2 mi north of Burlington, 3 mi upstream from mouth, 2,000 ft east of the intersection of Covey Rd. and Hotchkiss Rd., and 3 mi southwest of Collinsville.

DRAINAGE AREA.--4.10 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1931 to current year.

REVISED RECORDS.--WSP 1301: 1933-45 (M). WDR-CT-83-1: Drainage area.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 714.00 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 1	1500	196	5.67	Mar 29	0345	230	5.91
Dec 23	2300	201	5.71	Apr 3	0230	203	5.72
Jan 14	1515	*307	*6.37				

Minimum discharge, 0.48 ft³/s, Sep. 13, 14, gage height, 1.76 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	4.7	47	e9.7	e6.4	e5.7	23	19	5.7	4.0	2.0	2.5
2	6.9	4.5	22	e9.5	e6.3	e5.5	52	13	5.2	3.4	3.8	1.4
3	6.3	4.4	12	e10	e6.3	e4.9	85	14	4.7	2.6	2.5	1.1
4	4.9	7.2	9.9	e34	e6.6	e4.3	29	11	4.5	2.3	1.7	0.91
5	4.3	11	9.1	e13	e6.8	e4.3	19	9.5	4.1	2.1	1.6	0.82
6	4.2	6.6	8.2	e10	e6.9	e4.2	16	8.9	3.9	1.7	1.7	0.78
7	4.0	5.7	10	e9.6	e7.1	e5.3	14	8.5	3.8	1.0	1.4	0.74
8	3.8	4.9	27	19	e7.4	11	18	8.6	3.5	3.7	1.5	0.73
9	3.7	4.5	14	18	e8.1	9.8	13	8.1	3.4	3.5	1.4	0.65
10	3.5	4.2	24	13	20	7.8	12	7.3	3.2	8.9	1.2	0.63
11	3.3	4.5	31	13	e12	7.1	11	7.1	3.2	5.3	1.2	0.61
12	3.3	4.3	16	e11	e8.6	6.9	10	6.9	3.1	4.1	1.2	0.59
13	3.3	5.1	12	e12	e7.7	6.5	9.6	6.3	3.0	4.4	1.0	0.54
14	3.4	4.9	11	120	e6.9	6.3	9.1	6.2	2.6	4.2	1.4	0.50
15	7.8	5.0	e8.7	30	38	6.3	8.4	7.2	2.6	3.8	4.0	0.80
16	20	6.3	e7.9	17	e28	6.5	8.1	17	5.0	3.4	2.3	1.1
17	7.9	5.7	e8.0	e12	e18	6.6	7.9	9.0	10	4.9	1.9	11
18	5.9	5.1	e7.8	e10	e9.6	6.9	7.7	7.0	4.9	10	1.4	6.3
19	20	4.6	e7.3	e10	e7.3	7.5	7.3	6.5	3.8	8.3	1.3	2.1
20	14	4.4	e7.2	e10	e6.9	7.9	7.1	6.2	3.3	5.8	1.3	1.3
21	8.2	7.2	e6.9	e10	e7.6	9.2	6.8	5.8	3.2	3.9	1.5	1.2
22	6.6	6.4	e6.9	e9.9	e7.2	12	6.7	6.5	2.8	3.6	1.2	0.90
23	5.8	5.9	e19	e9.6	e6.7	e12	19	6.6	2.5	4.4	1.0	0.85
24	5.3	6.0	55	e9.1	e5.9	e9.7	55	8.5	2.3	3.3	1.0	0.73
25	5.1	10	15	e8.4	e5.8	e8.6	17	12	2.0	2.8	0.94	0.78
26	4.9	9.6	e11	e8.0	e5.1	e9.2	12	9.1	1.9	2.4	0.83	0.90
27	4.7	6.5	e8.8	e7.7	e5.1	e10	17	8.6	1.8	2.2	0.99	1.6
28	4.5	29	e8.2	e7.7	e4.9	49	16	14	4.0	2.4	1.3	0.97
29	4.5	24	e8.0	e7.6	---	114	13	8.0	9.2	2.2	1.6	1.2
30	4.4	11	e8.7	e7.3	---	35	14	6.5	6.7	1.9	1.7	1.6
31	4.7	---	e9.3	e6.8	---	26	---	6.0	---	1.8	2.3	---
TOTAL	197.6	223.2	456.9	482.9	273.2	426.0	543.7	278.9	119.9	207.4	50.16	45.83
MEAN	6.37	7.44	14.7	15.6	9.76	13.7	18.1	9.00	4.00	6.69	1.62	1.53
MAX	20	29	55	120	38	114	85	19	10	37	4.0	11
MIN	3.3	4.2	6.9	6.8	4.9	4.2	6.7	5.8	1.8	1.8	0.83	0.50
CFSM	1.55	1.81	3.59	3.80	2.38	3.35	4.42	2.19	0.97	1.63	0.39	0.37
IN.	1.79	2.03	4.15	4.38	2.48	3.87	4.93	2.53	1.09	1.88	0.46	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

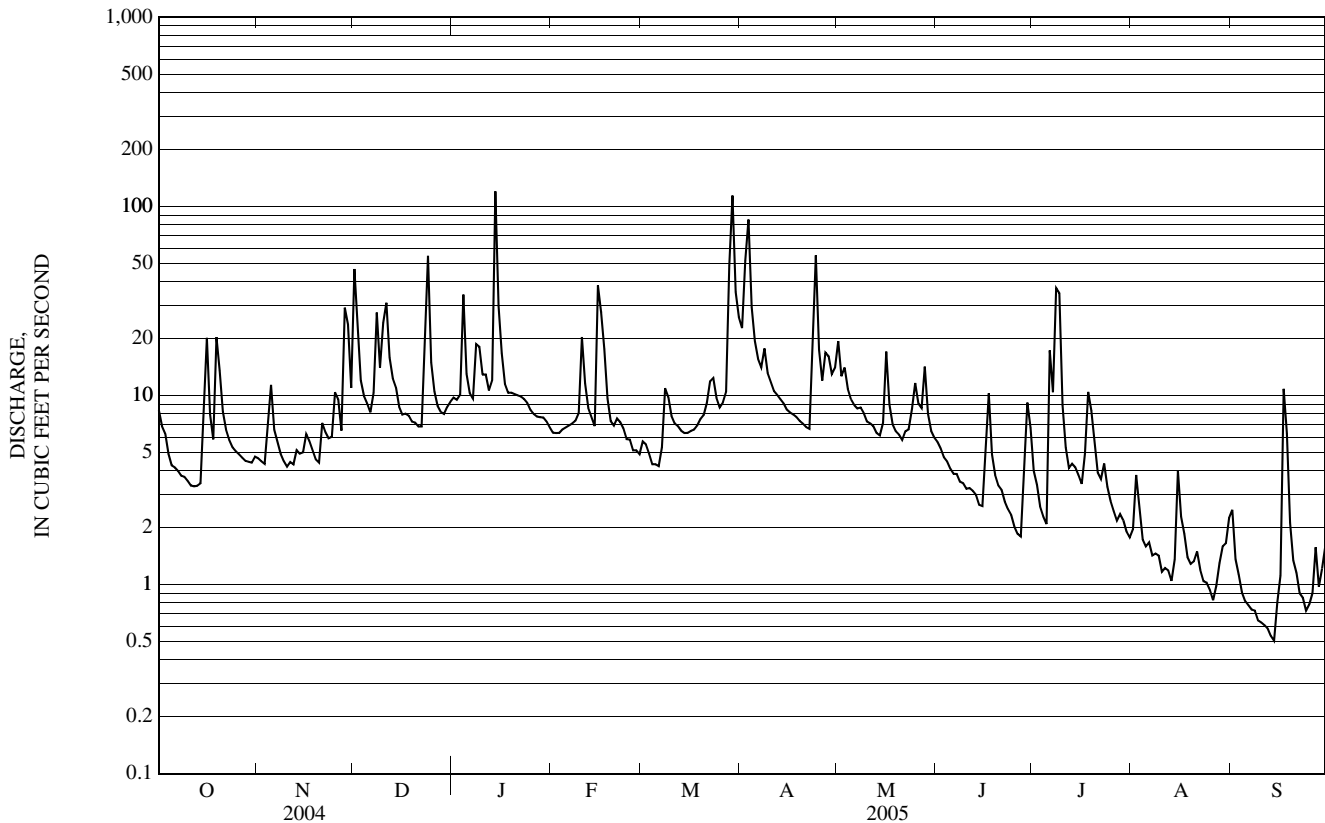
MEAN	5.42	8.22	9.12	9.23	8.98	16.1	15.1	10.2	6.64	3.80	3.84	4.23
MAX	37.6	28.4	27.1	25.7	25.0	39.4	38.8	30.1	29.2	15.2	36.0	19.7
(WY)	(1956)	(1956)	(1974)	(1996)	(1981)	(1983)	(1983)	(1989)	(1982)	(1938)	(1955)	(1999)
MIN	1.02	1.23	2.13	1.07	2.02	5.97	4.26	3.42	1.45	0.80	0.65	0.77
(WY)	(1942)	(1932)	(1932)	(1981)	(1934)	(2002)	(1985)	(1965)	(1957)	(1966)	(1999)	(1964)

e Estimated

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	3,119.6		3,305.69		8.41	
ANNUAL MEAN	8.52		9.06		13.2	
HIGHEST ANNUAL MEAN					3.51	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	75	Apr 14	120	Jan 14	673	Aug 19, 1955
LOWEST DAILY MEAN	1.0	Sep 5	0.50	Sep 14	0.16	Sep 2, 1995
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 1	0.61	Sep 8	0.24	Sep 2, 1995
MAXIMUM PEAK FLOW			307	Jan 14	a1,690	Aug 19, 1955
MAXIMUM PEAK STAGE			6.37	Jan 14	b9.22	Aug 19, 1955
INSTANTANEOUS LOW FLOW			0.48	Sep 13	0.08	Sep 4, 1995
ANNUAL RUNOFF (CFSM)	2.08		2.21		2.05	
ANNUAL RUNOFF (INCHES)	28.30		29.99		27.87	
10 PERCENT EXCEEDS	16		17		17	
50 PERCENT EXCEEDS	5.9		6.6		5.0	
90 PERCENT EXCEEDS	2.4		1.4		1.3	

a From rating curve extended above 320 ft³/s on basis of computation of peak flow through orifice and over weir abutments at 676 ft³/s and 1,690 ft³/s.
b From high water marks.



01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1968 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: January 1971 to January 1972.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 23.5° C July 27, Aug. 9, 1971; minimum, 0.0° C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 12...	0900	3.2	3.4	10.5	97	7.2	103	11.0	10.5	22	5.28	2.03	1.37
JAN 24...	1030	E9.1	1.2	15.2	106	6.4	90	-9.0	.0	17	4.01	1.71	.96
APR 20...	0915	7.1	1.6	10.1	101	6.8	94	25.5	13.0	19	4.53	1.78	1.12
JUL 21...	0830	3.6	2.8	8.5	97	7.0	99	23.0	20.5	21	5.17	2.00	1.20

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd (00500)	Residue on evap. at 180degC wat fltrd (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)
OCT 12...	10.2	16	20	14.9	E.1n	11.4	5.5	72	69	.24	.27	.10	.13
JAN 24...	8.42	10	12	13.0	<.1	9.81	6.7	50	58	.16	.20	.07	.33
APR 20...	9.56	11	14	14.3	<.1	7.44	5.3	66	60	.26	.21	.06	.14
JUL 21...	9.62	15	18	13.6	<.1	8.51	4.8	70	55	.34	.31	E.04n	.14

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite, water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd, mg/L (00605)	Total nitrogen, water, unfltrd, mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Organic carbon, water, unfltrd, mg/L (00680)	E. coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 12...	<.008	.17	.40	<.02	E.003n	.010	3.3	110	140	9	<.20	9	<.06
JAN 24...	<.008	.12	.53	<.02	E.002n	.006	1.9	2k	1k	26	<.20	8	<.06
APR 20...	<.008	.15	.36	<.02	E.004n	.009	2.3	10k	10k	17	<.20	9	<.06
JUL 21...	<.008	--	.45	<.02	.007	.018	5.1	79	58k	16	<.20	7	<.06

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Cadmium water, flt'd, ug/L (01025)	Chrom- ium, water, flt'd, ug/L (01030)	Cobalt water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Mangan- ese, water, flt'd, ug/L (01056)	Molyb- denum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 12...	<.04	<.8	.163	E.4n	108	<.08	102	<.4	.38	<.2	.9	<.04
JAN 24...	E.03n	<.8	.237	E.4n	174	E.07n	94.2	<.4	.49	<.2	4.2	<.04
APR 20...	<.04	<.8	.179	.4	91	E.07n	79.4	<.4	.68	<.2	2.1	<.04
JUL 21...	<.04	<.8	.096	E.4n	259	E.07n	48.3	<.4	.65	<.2	.7	<.04

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

01188090 FARMINGTON RIVER AT UNIONVILLE, CT

LOCATION.--Lat 41° 45' 21", long 72° 53' 14", Hartford County, Hydrologic Unit 01080207, at right bank upstream from steel truss highway bridge on State Rt. 177 at Unionville, 4.1 mi downstream from Burlington Brook and 3.0 mi upstream from Pequabuck River.

DRAINAGE AREA.--378 mi².

WATER DISCHARGE RECORDS

PERIOD OR RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 178.20 ft above sea level. Satellite telemetry at station.

REMARKS.--Records fair. Peak flows are affected by flood-control regulation at Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir. The natural flow regime can be altered by regulation from water-supply reservoirs (Barkhamsted, Lake McDonough, East Branch, Nepaug, and West Branch), flood-control reservoirs (Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir), and by Otis Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955 reached a stage of 32.9 ft from floodmark, discharge, 140,000 ft³/s, by slope-area measurement 3.8 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,710 ft³/s, Apr. 3, gage height, 11.82 ft; minimum discharge, 96 ft³/s, Sep. 12, 13, 14, gage height, 4.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	970	456	1,470	828	e727	558	1,910	1,320	491	365	292	177
2	851	625	1,630	814	e721	540	3,010	1,100	462	348	254	161
3	804	614	1,280	826	e703	503	6,540	987	468	334	246	156
4	749	626	1,100	1,310	649	509	3,970	870	479	322	237	175
5	618	753	1,010	1,210	644	616	2,810	811	447	316	205	158
6	576	626	953	1,130	650	616	2,320	835	414	468	217	124
7	572	573	934	1,120	680	618	2,270	806	417	452	201	108
8	578	542	1,070	1,230	719	702	2,270	790	418	536	198	102
9	567	557	821	1,220	745	663	1,710	703	412	846	195	102
10	549	620	935	1,090	1,090	657	1,450	539	410	498	192	100
11	545	545	1,270	1,130	1,110	598	1,680	479	407	370	191	99
12	544	528	970	1,130	936	546	2,450	453	375	318	187	98
13	577	482	857	1,190	841	531	2,000	429	394	298	160	98
14	550	479	926	3,160	804	493	1,000	420	344	285	155	99
15	616	505	821	2,830	1,530	424	835	427	339	250	186	112
16	910	523	767	2,020	1,500	423	598	610	377	238	168	212
17	784	546	756	1,630	1,620	426	565	620	510	260	158	436
18	647	529	705	1,410	1,280	457	560	566	407	244	147	406
19	760	515	691	e1,350	954	506	604	539	379	207	132	359
20	803	485	671	e1,230	884	517	584	524	357	232	129	332
21	686	519	706	e1,130	840	518	557	505	346	208	129	338
22	613	497	694	e1,050	789	511	532	517	340	195	130	329
23	573	438	987	e993	746	537	693	526	333	215	123	257
24	554	445	2,410	e944	661	506	1,970	532	342	229	120	175
25	557	690	1,520	e902	662	464	1,590	593	383	290	118	174
26	587	682	1,130	e866	624	461	1,310	586	378	279	118	156
27	573	572	994	e842	633	481	1,340	641	359	282	116	123
28	564	880	934	e818	583	1,010	1,330	655	344	278	127	115
29	476	1,280	895	e793	---	3,750	1,170	577	395	274	158	122
30	397	907	870	e775	---	2,450	1,110	517	406	285	207	126
31	405	---	819	e751	---	1,890	---	492	---	307	199	---
TOTAL	19,555	18,039	31,596	37,722	24,325	23,481	50,738	19,969	11,933	10,029	5,395	5,529
MEAN	631	601	1,019	1,217	869	757	1,691	644	398	324	174	184
MAX	970	1,280	2,410	3,160	1,620	3,750	6,540	1,320	510	846	292	436
MIN	397	438	671	751	583	423	532	420	333	195	116	98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

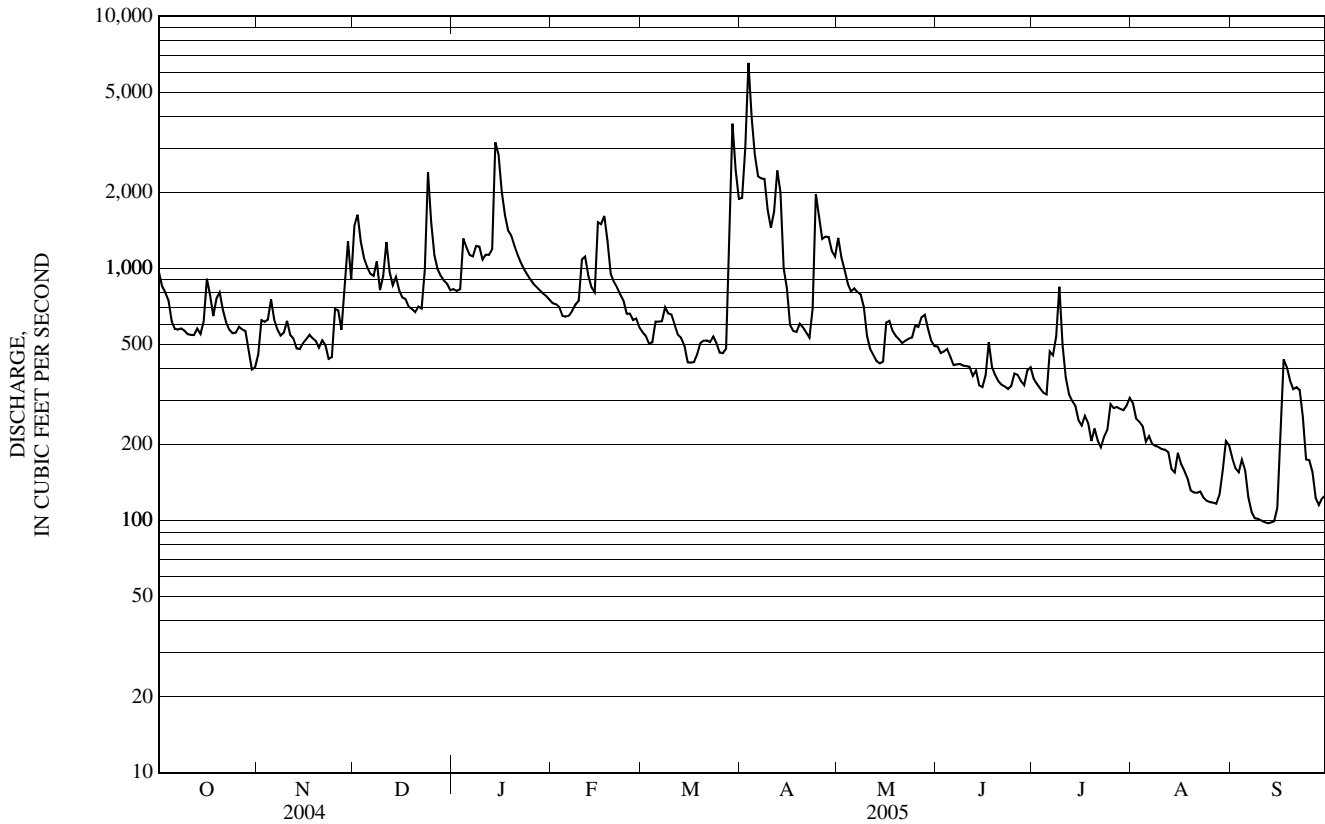
	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	489	1,211	(1977)	175	(1981)	605	1,322	(2004)	210	(2002)	662	2,031	(1997)	182	(2002)
	684	1,661	(1978)	135	(1981)	632	1,162	(1996)	201	(1980)	962	1,907	(1983)	289	(1989)
	1,265	2,902	(1983)	269	(1985)	793	1,902	(1982)	238	(1985)	696	2,149	(1982)	183	(1985)
	365	717	(2000)	159	(1985)	415	763	(1990)	158	(2002)	406	792	(2004)	106	(2002)

e Estimated

01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1978 - 2005	
ANNUAL TOTAL	254,350		258,311		664	
ANNUAL MEAN	695		708		287	
HIGHEST ANNUAL MEAN					954	
LOWEST ANNUAL MEAN					287	
HIGHEST DAILY MEAN	3,160	Apr 14	6,540	Apr 3	13,600	Mar 22, 1980
LOWEST DAILY MEAN	222	Jul 1	a98	Sep 12	64	Sep 26, 2002
ANNUAL SEVEN-DAY MINIMUM	254	Jun 28	100	Sep 8	67	Sep 20, 2002
MAXIMUM PEAK FLOW			8,710	Apr 3	20,300	Mar 23, 1980
MAXIMUM PEAK STAGE			11.82	Apr 3	16.57	Mar 23, 1980
INSTANTANEOUS LOW FLOW			96	Sep 12	61	Sep 26, 2002
10 PERCENT EXCEEDS	1,240		1,290		1,300	
50 PERCENT EXCEEDS	576		558		474	
90 PERCENT EXCEEDS	331		175		211	

a Also occurred Sep. 13.



01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-80, 1984 to current year.

REMARKS.--Water-quality records for this site published under station 01188085 from water year 1984 to water year 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 12...	1115	622	1.3	10.7	104	7.5	98	13.5	13.5	21	5.71	1.64	.90
JAN 24...	1345	962	1.2	14.1	96	6.9	92	-6.0	.0	19	5.02	1.62	.89
APR 20...	1100	594	.8	11.4	111	7.2	99	29.5	13.5	21	5.46	1.72	.92
JUL 21...	1100	200	1.6	9.3	112	7.5	121	28.5	24.0	25	6.65	1.92	1.17

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
OCT 12...	9.41	16	20	14.8	E.1n	5.08	4.8	67	61	.21	.27	<.04	.11
JAN 24...	8.98	14	16	14.5	E.1n	6.61	6.0	57	54	.19	.23	<.04	.18
APR 20...	10.1	11	13	16.3	<.1	5.79	5.1	63	57	.27	.12	<.04	.14
JUL 21...	11.0	16	19	18.8	<.1	4.28	5.7	70	64	.21	.28	<.04	.33

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)
OCT 12...	<.008	.38	<.02	.009	.016	5.3	15k	45	20	<.20	12	<.06	<.04
JAN 24...	.011	.42	<.02	.006	.019	4.0	48	36	22	<.20	13	<.06	<.04
APR 20...	E.004n	.26	<.02	E.006	.014	3.1	3k	22	28	<.20	13	<.06	<.04
JUL 21...	E.004n	.60	<.02	.019	.032	3.8	60	100	19	<.20	15	<.06	<.04

01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Chromium, water, flt'd, ug/L (01030)	Cobalt, water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Manganese, water, flt'd, ug/L (01056)	Molybdenum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 12...	<.8	.046	.7	77	E.05n	7.1	<.4	.36	<.2	.6	E.03n
JAN 24...	<.8	.052	.6	62	E.07n	17.0	<.4	.36	<.2	2.6	E.02n
APR 20...	<.8	.052	.7	62	E.07n	12.6	<.4	.60	<.2	1.5	E.02n
JUL 21...	<.8	.058	.9	121	.15	10.8	<.4	.60	<.2	1.2	E.02n

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

01189000 PEQUABUCK RIVER AT FORESTVILLE, CT

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, Hydrologic Unit 01080207, on left bank 500 ft upstream from bridge on Central St., 0.2 mi downstream from Copper Mine Brook, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--45.8 mi².

PERIOD OF RECORD.--Discharge: July 1941 to current year. Water-quality records: Water years 1956, 1960, 1971-72.

REVISED RECORDS.--WSP 971: 1941-42. WSP 1111: 1947. WSP 1901: 1959-60. WDR-CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.72 ft above sea level.

REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Whigville Reservoir and mills upstream. Diversion for municipal supply of City of New Britain from Whigville Reservoir, Whites Bridge wells, and Copper Mine Brook.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1938 reached a stage of about 7.3 ft, from floodmarks, discharge, 3,800 ft³/s, on basis of slope-area measurement of peak flow and computation of peak flow over dam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 29	0630	*971	*3.76				

Minimum discharge, 16 ft³/s, Sep. 9, gage height, 1.14 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	46	337	79	e74	81	223	167	60	36	25	29
2	81	42	225	73	e73	78	506	130	53	33	28	20
3	73	44	132	85	e71	71	643	132	45	26	23	19
4	58	63	103	217	e71	64	323	112	43	24	22	19
5	56	76	87	129	e70	63	228	101	40	24	26	19
6	49	54	80	121	e70	62	186	97	40	213	23	19
7	47	48	116	111	e69	70	179	99	39	66	22	19
8	45	48	171	181	e69	104	206	95	39	184	22	18
9	46	44	123	163	77	89	143	84	36	219	21	18
10	45	48	218	124	135	73	130	74	35	79	21	19
11	45	44	231	115	103	70	117	71	35	56	21	19
12	44	45	147	120	84	75	106	71	34	52	21	19
13	40	55	120	125	75	69	102	66	33	50	20	19
14	43	48	104	584	93	66	99	63	31	43	34	19
15	84	46	88	366	317	67	91	65	31	35	31	42
16	118	45	80	211	198	68	83	71	85	32	22	23
17	60	40	79	170	e132	69	80	64	79	39	21	81
18	51	41	74	127	e104	73	78	59	39	63	21	30
19	196	41	73	e108	e90	76	75	56	36	75	20	22
20	107	41	72	e94	e87	77	74	54	31	45	20	21
21	73	65	67	e87	90	83	71	53	30	34	22	20
22	64	50	67	e83	88	91	70	62	29	54	20	20
23	58	44	217	e81	84	97	214	57	29	56	19	19
24	55	60	372	e81	84	108	401	78	26	33	19	19
25	53	86	153	e81	85	104	178	90	26	30	19	19
26	51	67	112	e80	78	103	139	73	25	28	19	24
27	50	52	98	e78	70	105	175	100	25	52	19	23
28	49	285	84	e77	73	403	160	93	64	32	30	19
29	47	202	83	e77	---	749	125	65	65	28	21	33
30	46	115	80	e76	---	351	144	55	44	26	33	21
31	47	---	78	e75	---	250	---	61	---	25	35	---
TOTAL	1,967	1,985	4,071	4,179	2,714	3,909	5,349	2,518	1,227	1,792	720	711
MEAN	63.5	66.2	131	135	96.9	126	178	81.2	40.9	57.8	23.2	23.7
MAX	196	285	372	584	317	749	643	167	85	219	35	81
MIN	40	40	67	73	69	62	70	53	25	24	19	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

MEAN	51.4	69.4	84.0	87.3	91.8	145	144	101	70.4	42.8	42.9	41.7
MAX	372	303	247	232	214	391	463	396	368	99.4	356	167
(WY)	(1956)	(1956)	(1997)	(1979)	(1951)	(1983)	(1983)	(1989)	(1982)	(1972)	(1955)	(1975)
MIN	11.6	17.4	18.5	11.7	31.3	39.9	26.5	27.0	22.1	18.7	14.7	14.8
(WY)	(1942)	(1950)	(1981)	(1981)	(2002)	(1985)	(1985)	(1965)	(1957)	(1957)	(1944)	(1986)

e Estimated

01189000 PEQUABUCK RIVER AT FORESTVILLE, CT—Continued

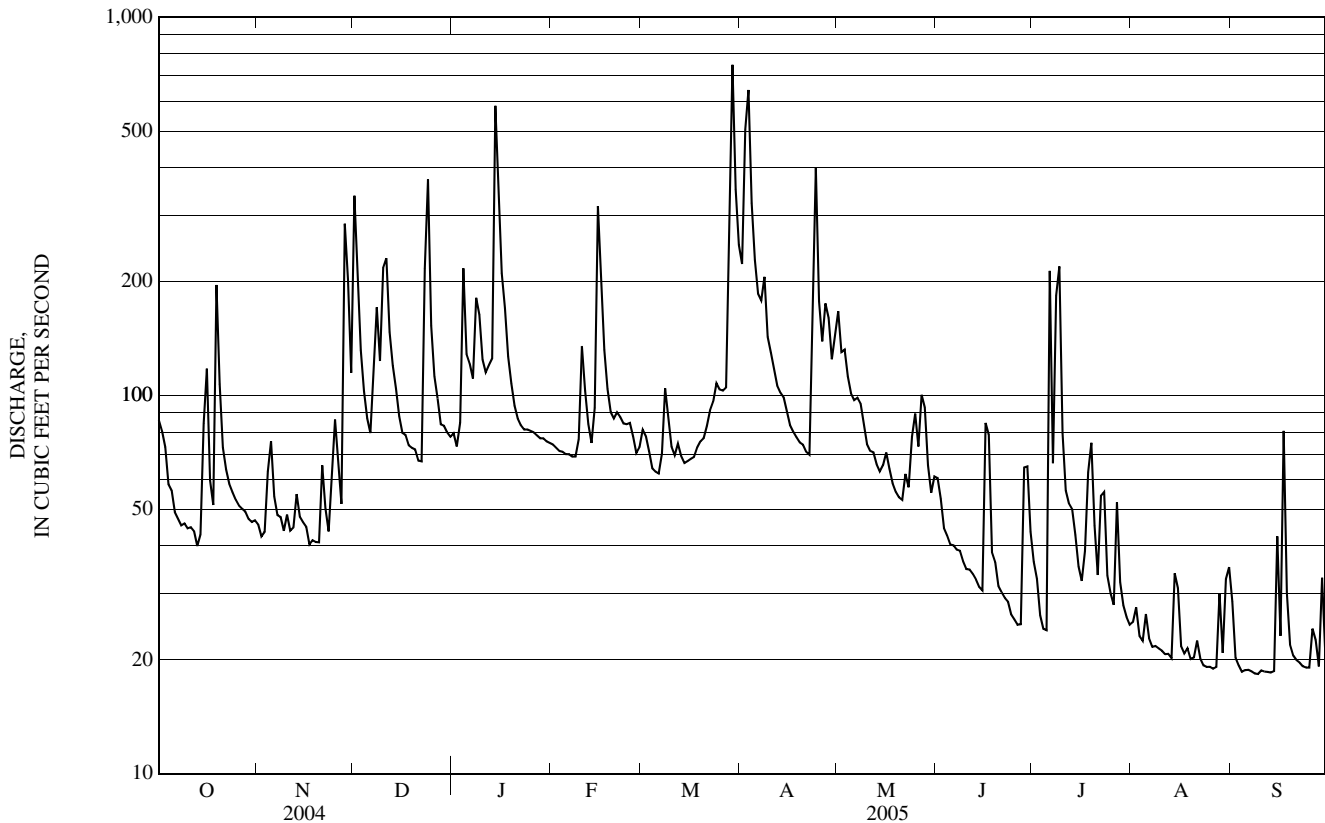
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1942 - 2005	
ANNUAL TOTAL	32,011		31,142		80.9	
ANNUAL MEAN	87.5		85.3		136	
HIGHEST ANNUAL MEAN					29.9	
LOWEST ANNUAL MEAN					6,500	
HIGHEST DAILY MEAN	689	Apr 14	749	Mar 29	1984	1965
LOWEST DAILY MEAN	27	Sep 5	d18	Sep 8	Aug 19, 1955	Oct 26, 1941
ANNUAL SEVEN-DAY MINIMUM	30	Aug 31	19	Sep 3	Oct 20, 1941	
MAXIMUM PEAK FLOW			971	Mar 29	a11,700	Aug 19, 1955
MAXIMUM PEAK STAGE			3.76	Mar 29	b13.22	Aug 19, 1955
INSTANTANEOUS LOW FLOW			16	Sep 9	c6.5	Sep 21, 1941
10 PERCENT EXCEEDS	157		170		161	
50 PERCENT EXCEEDS	68		68		50	
90 PERCENT EXCEEDS	35		21		20	

a From rating curve extended above 2,100 ft³/s on basis of slope-area measurement at gage height of 7.3 and 13.22 ft.

b From high water mark in gage well.

c Also occurred Sep. 22, 1941.

d Also occurred Sep. 9.



01189030 PEQUABUCK RIVER AT FARMINGTON, CT

LOCATION.--Lat 41° 43'00", long 72° 50'25", Hartford County, Hydrologic Unit 01080207, at bridge on Meadow Rd. at Farmington, and 0.2 mi upstream from Farmington River.

DRAINAGE AREA.--57.2 mi².

PERIOD OF RECORD.--Water years 1971, 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 21...	0915	105	3.6	9.0	80	7.2	255	9.0	10.5	49	14.6	3.08	5.35
DEC 13...	1000	162	3.3	10.1	82	6.9	179	5.5	6.0	42	12.2	2.81	2.29
FEB 02...	1030	82	6.4	13.8	99	7.3	311	1.0	1.0	63	18.9	3.85	3.15
APR 21...	0915	92	1.9	9.1	91	7.4	309	16.0	15.0	71	21.4	4.32	4.29
JUN 15...	0830	38	2.6	6.0	67	7.4	356	17.5	20.0	82	24.5	4.92	5.38
JUL 20...	0800	67	6.4	6.4	74	7.2	244	29.0	22.5	57	17.5	3.23	3.44
AUG 11...	0815	26	4.7	6.0	69	7.4	466	21.0	22.0	93	28.9	5.07	8.60
SEP 07...	0715	25	4.6	6.7	69	7.4	392	11.0	17.5	87	26.7	4.93	6.40

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 21...	25.6	33	40	30.9	.1	9.82	24.9	--o	151	.40	.57	.05	2.11
DEC 13...	15.9	27	33	25.2	E.1n	10.0	10.5	114	104	.23	.35	E.04n	1.16
FEB 02...	30.5	43	53	51.3	.1	12.6	14.2	187	171	.54	.58	.26	2.30
APR 21...	29.6	43	52	49.6	.1	8.60	16.7	169d	172d	.41	.48	E.03n	2.01
JUN 15...	34.8	54	66	54.2	.2	13.4	16.9	213	209	.63	.66	.12	2.79
JUL 20...	20.8	36	43	33.9	.1	9.58	11.9	139	133	.51	.67	.09	1.77
AUG 11...	48.8	61	74	70.2	.3	10.1	31.1	270	256	.74	.81	.10	3.30
SEP 07...	35.0	62	76	56.6	.3	12.1	20.2	258	236	.84	.89	.16	3.27

01189030 PEQUABUCK RIVER AT FARMINGTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, ftrd, ug/L (01106)	Anti- mony, water, ftrd, ug/L (01095)	Barium, water, ftrd, ug/L (01005)	Beryll- ium, water, ftrd, ug/L (01010)
OCT 21...	.013	.52	2.7	.30	.34oc	.41oc	6.7	160	130	11	E.11n	41	<.06
DEC 13...	E.007n	--	1.5	.14	.174	.22oc	4.3	440	620	17	<.20	34	<.06
FEB 02...	.023	.32	2.9	.25	.28oc	.40oc	3.8	710	1,200	5	<.20	44	<.06
APR 21...	.011	--	2.5	.24	.25oc	.31oc	4.5	38k	40	7	E.11n	62	<.06
JUN 15...	.045	.54	3.4	.71	.73	.81	5.1	140	500	6	.31	51	<.06
JUL 20...	.025	.58	2.4	.45	.46	.57	7.0	1,100	800k	10	E.15n	44	<.06
AUG 11...	.049	.71	4.1	1.12d	1.18	1.26	6.9	260	220	6	.22	50	<.06
SEP 07...	.045	.73	4.2	1.25d	1.25	1.38	6.9	880	780	8	E.17n	58	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Cadmium water, ftrd, ug/L (01025)	Chrom- ium, water, ftrd, ug/L (01030)	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Iron, water, ftrd, ug/L (01046)	Lead, water, ftrd, ug/L (01049)	Mangan- ese, water, ftrd, ug/L (01056)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Silver, water, ftrd, ug/L (01075)	Zinc, water, ftrd, ug/L (01090)	Uranium natural water, ftrd, ug/L (22703)
OCT 21...	.51	E.7n	.154	6.4	182	.30	49.7	1.9	3.27	<.2	18.2	.06
DEC 13...	.53	.8	.149	5.5	158	.33	56.9	.5	2.96	<.2	18.5	.06
FEB 02...	.48	E.4n	.273	4.7	97	.20	161	1.4	4.91	<.2	25.5	.12
APR 21...	.45	E.6n	.213	5.5	102	.20	70.3	1.7	6.68	<.2	18.3	.14
JUN 15...	.49	E.7n	.240	8.0	132	.40	79.5	3.1	6.99	<.2	14.2	.10
JUL 20...	.38	E.6n	.148	6.8	238	.67	53.6	1.6	4.10	<.2	11.0	.06
AUG 11...	.72	1.0	.217	9.4	132	.39	96.4	22.6	9.12	<.2	14.6	.11
SEP 07...	.58	--	.268	11.0	256	.64	116	1.7	6.55	<.2	20.2	.13

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

Null value qualifier codes used in this table:

o -- Insufficient amount of water

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT

LOCATION.--Lat 41° 54'30", long 72° 45'40", Hartford County, Hydrologic Unit 01080207, on right bank at Tariffville, behind house at 20 Tunxis Rd., 0.3 mi downstream from bridge on State Rt. 189 and 5.5 mi upstream from gage at Rainbow.

DRAINAGE AREA.--577 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1913 to August 1928 furnished by Farmington River Power Company. August 1928 to September 1939, October 1971 to current year.

REVISED RECORDS.--WSP 851: 1936. WSP 1301: 1937-39 (revised records published are included with those for "Farmington River at Rainbow, Conn."). WDR CT-76-1: 1972-75. WDR CT-80-1: Drainage area.

GAGE.--Water-stage recorder August 1928 to September 1939 and since October 1971. January 1913 to August 1928, staff gage on forebay of dam of Hartford Electric Light Co. Datum of gage is 130.21 ft above sea level. Telephone telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Peak flows are affected by flood-control regulation at Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir. The natural flow regime can be altered by regulation from water-supply reservoirs (Barkhamsted, Lake McDonough, East Branch, Nepaug, Whigville, and West Branch), flood-control reservoirs (Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir), and by Otis Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,990 ft³/s, Apr. 4, gage height, 7.05 ft; minimum discharge, 177 ft³/s, Sep. 14, 15, gage height, 0.78 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,640	592	1,750	1,240	e925	e831	3,120	2,150	839	673	463	358
2	1,270	696	2,630	1,230	e914	e825	3,630	2,060	803	611	435	313
3	1,120	780	2,210	1,220	e901	e822	6,170	1,830	765	555	399	271
4	1,050	777	1,760	1,740	e851	e815	6,840	1,640	771	512	385	265
5	924	983	1,520	1,990	e835	e915	6,030	1,460	752	491	365	270
6	813	963	1,400	1,810	e854	1,020	4,390	1,420	693	694	361	244
7	767	836	1,340	1,720	e939	1,030	3,460	1,390	678	1,020	346	222
8	774	777	1,740	1,760	e1,020	1,200	3,300	1,360	669	937	330	203
9	763	757	1,580	2,040	e1,080	e1,190	3,070	1,310	661	1,980	324	194
10	748	738	1,540	1,820	1,510	e1,170	2,460	1,110	644	1,420	316	188
11	729	815	2,190	1,770	1,580	e1,100	2,150	969	656	887	309	182
12	746	745	1,980	1,750	1,260	e1,030	2,790	914	685	683	305	182
13	723	724	1,560	1,870	918	e980	3,010	862	625	614	296	181
14	742	697	1,470	3,260	741	e933	2,080	821	602	572	278	180
15	760	692	1,350	4,890	1,840	897	1,590	822	543	524	350	204
16	1,170	731	e1,160	4,180	2,440	874	1,250	998	567	493	325	312
17	1,200	741	e1,090	3,020	2,500	880	1,110	1,070	966	475	294	421
18	983	741	e1,020	e2,300	2,110	916	1,060	998	806	545	271	690
19	969	723	e980	e2,000	1,530	1,010	1,070	929	669	528	256	561
20	1,300	704	e926	e1,770	e1,220	1,040	1,050	895	612	494	244	470
21	1,080	722	e818	e1,520	e1,080	1,050	1,010	868	571	456	253	461
22	929	765	e807	e1,190	e996	1,090	962	877	546	401	259	447
23	840	696	e1,080	e1,070	e951	1,130	1,100	924	535	414	245	430
24	794	656	3,180	e1,040	e919	1,120	3,020	935	518	420	229	319
25	768	865	2,890	e1,020	e891	1,080	3,200	1,080	537	430	221	269
26	780	1,050	2,020	e993	e867	1,080	2,450	1,060	558	452	218	267
27	787	910	1,620	e975	e854	1,070	2,150	1,030	556	442	215	258
28	771	1,000	1,410	e957	e838	1,490	2,400	1,210	560	504	233	227
29	750	2,050	1,370	e949	---	4,580	2,110	1,070	688	457	280	214
30	633	1,710	1,310	e942	---	5,160	1,880	939	789	433	320	240
31	602	---	1,260	e939	---	4,030	---	853	---	453	370	---
TOTAL	27,925	25,636	48,961	54,975	33,364	42,358	79,912	35,854	19,864	19,570	9,495	9,043
MEAN	901	855	1,579	1,773	1,192	1,366	2,664	1,157	662	631	306	301
MAX	1,640	2,050	3,180	4,890	2,500	5,160	6,840	2,150	966	1,980	463	690
MIN	602	592	807	939	741	815	962	821	518	401	215	180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

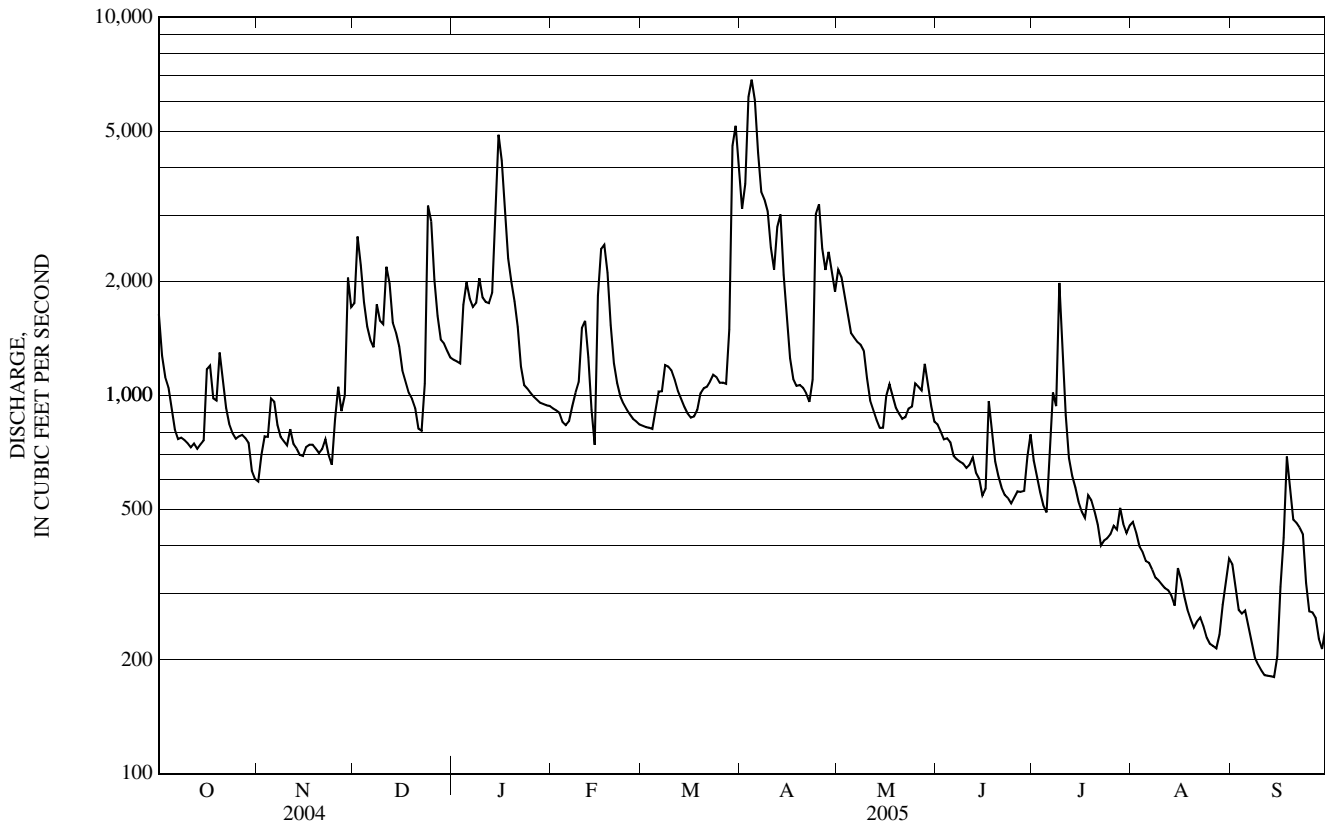
MEAN	822	999	1,205	1,207	1,191	1,791	2,131	1,426	1,175	687	649	686
MAX	2,233	1,994	3,287	2,886	2,790	3,378	4,721	3,329	3,647	2,398	1,285	1,794
(WY)	(1976)	(2004)	(1997)	(1978)	(1976)	(1983)	(1983)	(1989)	(1982)	(1972)	(1990)	(1975)
MIN	253	306	287	140	366	612	475	470	355	306	266	227
(WY)	(1981)	(2002)	(1981)	(1981)	(1980)	(2002)	(1985)	(1985)	(1985)	(1985)	(2002)	(2002)

e Estimated

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1972 - 2005	
ANNUAL TOTAL	390,411		406,957		1,163	
ANNUAL MEAN	1,067		1,115		451	
HIGHEST ANNUAL MEAN					1,637	
LOWEST ANNUAL MEAN					1972	
HIGHEST DAILY MEAN	4,820	Apr 14	6,840	Apr 4	14,200	Mar 23, 1980
LOWEST DAILY MEAN	373	Jul 23	180	Sep 14	128	Feb 7, 1985
ANNUAL SEVEN-DAY MINIMUM	425	Jun 29	187	Sep 8	131	Jan 19, 1981
MAXIMUM PEAK FLOW			6,990	Apr 4	a29,900	Sep 22, 1938
MAXIMUM PEAK STAGE			7.05	Apr 4	b14.00	Sep 22, 1938
INSTANTANEOUS LOW FLOW			177	Sep 14	c	
10 PERCENT EXCEEDS	1,840		2,090		2,350	
50 PERCENT EXCEEDS	836		897		802	
90 PERCENT EXCEEDS	517		311		375	

- a From computation of flow over dam 0.6 mi downstream.
b From floodmarks.
c Probably less than 30 ft³/s Mar. 1, 1938, river below intake.



01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1971 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to January 1972.

WATER TEMPERATURES: January 1971 to January 1972.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 285 microsiemens Feb. 16, 1971; minimum recorded, 70 microsiemens May 14, 15, 1971.

WATER TEMPERATURES: Maximum, 26.5° C June 25, 27, 1971; minimum, 0.0° C on many days during winter period in 1971.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 21...	1330	1,060	1.9	10.3	93	7.3	124	10.5	11.0	28	8.07	2.01	1.52
DEC 13...	1345	1,530	2.1	11.5	93	7.4	116	5.0	5.5	28	8.07	2.00	1.26
FEB 02...	1415	914	2.1	13.4	91	7.6	144	3.0	.5	35	10.2	2.27	1.27
APR 21...	1345	1,020	1.3	10.0	101	7.7	150	20.5	15.5	37	11.0	2.32	1.35
JUN 15...	1200	544	1.5	7.3	83	7.4	159	17.0	21.0	38	11.5	2.36	1.60
JUL 20...	1200	489	2.3	7.9	95	7.5	167	29.5	24.5	44	13.5	2.42	1.75
AUG 11...	1145	309	.8	7.3	88	7.6	188	26.0	25.0	46	14.2	2.54	2.03
SEP 07...	1100	224	.9	8.1	91	7.5	196	23.5	21.5	46	14.0	2.59	2.33

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 21...	10.5	20	24	16.0	E.1n	6.76	7.1	--o	73	.23	.32	E.02n	.46
DEC 13...	9.49	20	24	14.8	<.1	8.31	7.5	73	74	.19	.23	E.04n	.45
FEB 02...	12.5	24	29	20.6	E.1n	8.84	8.0	94	86	.31	.28	.10	.70
APR 21...	12.9	21	25	21.8	E.1n	6.52	7.9	83d	84d	.26	.24	E.02n	.61
JUN 15...	13.4	25	30	22.9	E.1n	6.35	7.6	99	94	.39	.42	.11	.62
JUL 20...	12.9	26	32	22.6	E.1n	6.78	7.8	116	97	.32	.50	.06	.84
AUG 11...	16.1	30	36	27.4	E.1n	4.22	8.6	99	101	.49	.43	.14	.86
SEP 07...	16.2	30	37	27.4	E.1n	4.84	10.3	117	117	.46	.34	.09	1.08

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, ftrd, ug/L (01106)	Anti- mony, water, ftrd, ug/L (01095)	Barium, water, ftrd, ug/L (01005)	Beryll- ium, water, ftrd, ug/L (01010)
OCT 21...	E.005n	--	.78	.04	.064	.086	5.5	140	96	13	<.20	24	<.06
DEC 13...	E.006n	--	.69	.04	.050	.064	3.9	260	280	28	<.20	24	<.06
FEB 02...	.013	.18	.99	.03	.047	.072	3.4	74	66	15	<.20	27	<.06
APR 21...	.009	--	.85	.03	.043	.075	3.4	6k	14	13	<.20	36	<.06
JUN 15...	.014	.31	1.0	.10	.121	.158	3.9	80	53k	7	<.20	33	<.06
JUL 20...	.016	.45	1.3	.11	.132	.183	4.5	120	170	9	<.20	38	<.06
AUG 11...	.019	.29	1.3	.16	.18oc	.19oc	3.9	64	47	9	<.20	33	<.06
SEP 07...	.020	.25	1.4	.21	.23oc	.25oc	3.5	57	84	8	<.20	34	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Cadmium water, ftrd, ug/L (01025)	Chrom- ium, water, ftrd, ug/L (01030)	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Iron, water, ftrd, ug/L (01046)	Lead, water, ftrd, ug/L (01049)	Mangan- ese, water, ftrd, ug/L (01056)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Silver, water, ftrd, ug/L (01075)	Zinc, water, ftrd, ug/L (01090)	Uranium natural water, ftrd, ug/L (22703)
OCT 21...	.06	<.8	.052	1.7	113	.10	14.5	E.3n	.74	<.2	3.1	E.03n
DEC 13...	.09	1.9	.082	1.7	124	.17	22.6	<.4	.97	<.2	3.9	E.04n
FEB 02...	.08	<.8	.089	1.4	80	.11	41.0	<.4	.79	<.2	6.2	.04
APR 21...	.07	<.8	.096	2.4	89	.15	37.5	.7	1.84	<.2	8.7	.05
JUN 15...	.07	<.8	.073	1.4	106	.11	44.8	.5	1.14	<.2	2.6	E.03n
JUL 20...	.07	<.8	.079	2.1	107	.15	34.5	.4	1.22	<.2	2.4	E.04n
AUG 11...	.11	<.8	.078	2.1	94	.13	43.6	.6	1.51	<.2	2.8	E.04n
SEP 07...	.10	.21oc	.066	2.3	95	.13	44.7	.6	1.28	<.2	3.4	E.04n

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

Null value qualifier codes used in this table:

o -- Insufficient amount of water

01190070 CONNECTICUT RIVER AT HARTFORD, CT

LOCATION.--Lat 41° 46' 10", long 72° 40' 04", Hartford County, Hydrologic Unit 01080205, at Bulkeley Memorial Bridge on U.S. Highway 84, at Hartford, 1.5 mi downstream from Podunk River and 1.2 mi upstream from Hockanum River.

DRAINAGE AREA.--10,487 mi².

WATER-STAGE RECORD

PERIOD OF RECORD.--January 1905 to current year.

REVISED RECORDS.-- WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is sea level. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records prior to 1973 available at the River Forecast Center, NOAA, Taunton Mass. Records good. Tidal effect, at times of high freshwater inflow, is eliminated. Stage data in feet at 15-minute intervals available upon request.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 313,000 ft³/s, Mar. 20, 1936; maximum elevation, 37.05 ft, Mar. 21, 1936; minimum tidal elevation (1973-95), -0.91 ft, Aug. 12, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 113,000 ft³/s, Apr. 5, elevation, 22.04 ft; minimum tidal elevation, -0.07 ft, Sep. 12.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.88	3.71	3.07	1.21	8.66	7.63	4.88	4.36	6.38	6.10	4.97	3.26
2	4.53	3.40	3.61	1.05	11.13	8.44	4.53	4.10	6.30	5.98	3.92	2.82
3	4.14	2.66	3.37	1.83	11.96	11.13	4.73	4.15	5.98	5.38	3.31	2.52
4	3.99	2.57	3.40	1.37	11.73	10.08	5.53	4.70	5.53	5.30	3.42	2.56
5	3.30	2.08	3.55	1.91	10.08	7.48	6.44	5.53	5.73	5.28	3.26	2.38
6	2.92	1.94	3.27	1.96	7.48	6.13	6.86	6.39	5.64	5.03	3.56	2.58
7	2.89	1.79	3.92	2.66	6.25	5.92	6.86	5.60	5.42	4.89	3.80	2.41
8	2.99	1.91	3.89	2.83	6.08	5.53	5.74	4.81	5.30	4.88	4.53	3.08
9	3.11	1.76	3.44	2.31	5.76	5.18	5.82	5.08	5.11	4.58	3.20	2.29
10	3.05	1.36	3.49	1.91	7.14	5.76	5.47	4.44	5.73	4.79	3.84	2.49
11	2.93	1.10	3.50	1.73	8.08	7.14	4.94	4.08	6.29	5.51	3.95	2.88
12	3.13	1.34	3.85	1.72	8.61	7.92	5.60	4.45	6.19	5.40	4.28	2.91
13	3.69	1.65	3.94	2.19	8.06	7.31	5.50	4.78	5.40	4.56	4.28	2.92
14	3.91	1.61	3.71	1.77	7.31	6.58	8.17	5.06	4.63	4.17	3.72	2.35
15	4.00	1.62	3.71	1.54	6.58	5.37	12.28	8.17	5.67	4.28	3.28	2.19
16	4.26	2.54	3.91	1.94	5.37	4.75	12.45	11.60	5.63	4.97	3.28	2.26
17	4.12	2.79	3.80	2.14	5.02	4.10	11.60	9.64	5.64	5.39	3.07	2.32
18	4.07	2.76	3.51	1.85	4.52	3.80	9.64	7.56	5.67	5.08	3.43	2.52
19	4.50	2.88	3.19	1.80	4.76	4.00	7.97	6.99	5.13	4.75	3.21	2.47
20	4.50	3.21	3.21	1.64	4.53	3.09	9.28	7.97	5.14	4.18	3.08	2.20
21	4.47	3.37	3.73	2.19	4.53	3.07	9.27	8.86	4.93	4.04	3.29	2.28
22	4.19	2.72	3.45	1.77	4.64	4.05	9.40	8.73	4.47	3.88	3.64	2.85
23	4.07	2.61	3.62	2.18	5.40	4.08	8.77	8.41	4.39	3.47	3.58	2.52
24	4.54	2.64	3.90	2.24	8.28	5.40	8.67	8.07	4.08	3.18	4.79	3.58
25	4.43	2.77	4.84	3.46	10.54	8.28	9.08	8.67	4.21	3.40	4.77	3.92
26	3.93	2.31	4.32	2.96	10.45	8.94	9.07	8.40	4.30	3.24	4.34	3.57
27	3.93	2.06	5.47	4.18	8.94	6.71	8.40	7.74	3.51	2.64	4.44	3.30
28	3.71	1.64	7.03	5.16	6.71	5.39	8.07	7.80	3.61	2.56	6.14	3.30
29	3.64	1.66	6.80	6.06	5.39	4.91	8.02	7.43	---	---	12.48	6.14
30	3.85	1.76	7.63	6.71	5.24	5.09	7.43	6.57	---	---	15.60	12.48
31	3.70	1.79	---	---	5.20	4.88	6.57	5.97	---	---	15.64	14.95
MONTH	4.88	1.10	7.63	1.05	11.96	3.07	12.45	4.08	6.38	2.56	15.64	2.19

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

[illegible]

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1976 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 2002 to November 2003 (discontinued).

pH: May 2002 to November 2003.

WATER TEMPERATURES: May 2002 to November 2003.

DISSOLVED OXYGEN: May 2002 to November 2003.

INSTRUMENTATION.--Water-quality monitor May 2002 to November 2003 (discontinued).

REMARKS.--Water-quality monitor installed May 2002. Stream tidal affected. Limited daily value data for water year 2004 available upon request.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 204 microsiemens July 12, 2003; minimum, 89 microsiemens September 29, 2003.

pH: Maximum, 8.4 units July 8, 2003; minimum, 6.7 units September 29, 2003.

WATER TEMPERATURES: Maximum, 33.0° C July 12, 1970; minimum, ° C on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 13.4 mg/L November 6, 2002; minimum 5.1 mg/L June 13, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 18...	1245	2.3	9.7	92	7.5	148	15.0	13.0	42	13.6	2.02	1.60	11.3
DEC 22...	1245	1.4	14.5	98	7.1	132	2.5	.0	35	11.1	1.73	1.21	10.8
FEB 14...	1330	3.0	14.1	95	6.9	152	4.0	.0	34	10.7	1.74	1.22	12.3
APR 27...	1230	22	11.8	104	7.4	86	13.5	9.5	24	7.92	1.08	.97	6.11
JUN 23...	1300	3.8	8.8	96	7.5	104	27.0	19.5	31	10.2	1.32	1.03	6.93
AUG 24...	1400	.8	6.4	76	7.4	175	25.0	24.5	46	15.1	2.08	1.71	13.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 18...	32	39	17.4	E.1n	6.19	6.0	93	83	.21	.28	<.04	.37	E.006n
DEC 22...	23	29	15.5	<.1	7.20	8.1	99	78	.20	.25	.06	.42	<.008
FEB 14...	22	27	20.5	<.1	6.93	8.1	102	93	.31	.30	.08	.43	<.008
APR 27...	16	19	9.46	E.1n	4.94	5.4	134	55	.24	.34	<.04	.19	<.008
JUN 23...	23	28	10.2	E.1n	6.04	5.8	72	58	.38	.31	.04	.23	E.005n
AUG 24...	34	41	22.3	E.1n	4.60	8.9	107	94	.29	.32	.05	.48	.013

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)
OCT 18...	--	.65	E.01n	.026	.044	4.7	84	640	9	<.20	15	<.06	<.04
DEC 22...	.19	.66	<.02	.020	.026	3.6	100	150	25	<.20	14	<.06	<.04
FEB 14...	.22	.74	<.02	.014	.036	3.3	44	67k	20	<.20	16	<.06	<.04
APR 27...	--	.53	<.02	.010	.102	5.5	62	210	28	<.20	8	E.05n	<.04
JUN 23...	.27	.54	<.02	.019	.043	E3.4	30k	74	20	<.20	10	<.06	<.04
AUG 24...	.27	.80	.02	.048	.056	4.5	22	72	9	<.20	18	<.06	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 18...	<.8	.057	1.2	76	E.06n	5.2	E.4n	.54	<.2	.8	.08
DEC 22...	<.8	.097	.8	112	.09	22.1	<.4	.66	<.2	1.8	.08
FEB 14...	<.8	.107	1.9	78	.13	19.3	<.4	1.04	<.2	8.5	.08
APR 27...	<.8	.044	1.4	60	.11	6.3	<.4	.38	<.2	1.1	.07
JUN 23...	<.8	.057	1.2	78	.08	8.9	E.2n	.72	<.2	E.6n	.09
AUG 24...	<.8	.071	1.6	66	.11	6.8	.5	1.38	<.2	1.2	.06

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT

LOCATION.--Lat 41° 51'57", long 72° 29'12", Hartford County, Hydrologic Unit 01080203, at bridge on State Rt. 74 near Rockville.

DRAINAGE AREA.--25.5 mi².

PERIOD OF RECORD.--August 1968, March 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 05...	0830	16	1.8	6.9	65	7.1	240	9.0	13.0	70	19.6	5.18	3.32
DEC 28...	1245	63	3.5	13.2	90	7.4	151	-3.5	.5	35	9.33	2.93	2.19
FEB 03...	1015	25	11	14.0	96	7.1	231	-2.0	.5	61	17.1	4.51	2.30
APR 07...	0815	115	1.9	10.9	91	6.9	150	14.0	7.5	32	8.67	2.57	1.77
JUN 06...	0900	35	4.0	8.6	91	7.2	158	26.5	18.0	35	9.38	2.79	1.57
JUL 06...	0830	41	19	7.3	82	7.0	134	23.0	20.0	30	8.29	2.14	1.76
AUG 01...	0745	13	2.6	7.3	78	7.2	179	16.0	19.0	43	11.9	3.26	1.69
SEP 27...	0830	12	2.7	6.7	72	7.0	163	17.0	18.5	40	11.3	2.80	1.99

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 05...	14.7	48	58	30.2	E.1n	9.55	13.6	153	151	.48	.49	.08	1.48
DEC 28...	13.8	18	22	22.8	<.1	7.58	10.1	94	85	.26	.34	E.03n	.73
FEB 03...	16.6	33	40	31.3	E.1n	10.6	14.4	149	133	.41	.49	.11	2.04
APR 07...	13.3	16	20	23.4	E.1n	6.26	8.6	81	82	.28	.31	<.04	.70
JUN 06...	13.0	20	25	24.1	<.1	5.26	9.2	113	109	.31	.41	E.03n	.57
JUL 06...	10.8	17	20	18.2	<.1	4.78	8.9	113	77	.59	.86	.12	.66
AUG 01...	14.7	25	30	26.6	<.1	5.58	10.5	--o	102	.39	.37	E.03n	.73
SEP 27...	12.8	23	28	22.5	E.1n	4.87	10.0	110	108	.32	.35	E.03n	.65

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, ftrd, ug/L (01106)	Anti- mony, water, ftrd, ug/L (01095)	Barium, water, ftrd, ug/L (01005)	Beryll- ium, water, ftrd, ug/L (01010)
OCT 05...	.033	.41	2.0	.03	.044	.096	7.4	78	760	9	<.20	54	<.06
DEC 28...	<.008	--	1.1	E.01n	.028	.050	5.5	23	57	23	<.20	28	<.06
FEB 03...	.011	.38	2.5	<.02	.014	.086	5.2	16k	64k	16	<.20	45	<.06
APR 07...	E.004n	--	1.0	<.02	.020	.035	4.9	12k	15k	29	<.20	29	<.06
JUN 06...	E.007n	--	.99	<.02	.020	.078	5.6	250	270k	13	<.20	33	<.06
JUL 06...	.012	.74	1.5	.03	.055	.20oc	9.2	13,000	50,000	10	E.19n	29	<.06
AUG 01...	.011	--	1.1	E.02n	.032	.060	4.3	280	300k	9	E.11n	39	<.06
SEP 27...	.008	--	1.0	.02	.038	.078	4.9	3,200	8100k	5	E.18n	42	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Cadmium water, ftrd, ug/L (01025)	Chrom- ium, water, ftrd, ug/L (01030)	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Iron, water, ftrd, ug/L (01046)	Lead, water, ftrd, ug/L (01049)	Mangan- ese, water, ftrd, ug/L (01056)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Silver, water, ftrd, ug/L (01075)	Zinc, water, ftrd, ug/L (01090)	Uranium natural water, ftrd, ug/L (22703)
OCT 05...	E.03n	<.8	.246	2.1	211	.28	102	E.3n	.77	<.2	3.1	.08
DEC 28...	E.03n	<.8	.090	3.2	107	.23	32.3	<.4	.50	<.2	4.4	.05
FEB 03...	E.02n	<.8	.206	1.9	130	.23	122	<.4	.63	<.2	5.0	.08
APR 07...	E.02n	<.8	.078	2.5	84	.20	18.5	<.4	1.04	<.2	4.7	E.04n
JUN 06...	<.04	<.8	.139	1.9	157	.22	118	<.4	.88	<.2	2.0	.04
JUL 06...	E.02n	1.7	.095	3.0	87	.39	83.1	E.2n	.65	<.2	3.9	E.03n
AUG 01...	.04	<.8	.092	3.5	110	.36	64.0	<.4	.67	<.2	3.1	.05
SEP 27...	E.02n	.26	.079c	2.8c	51	.19	72.0	E.2n	.55	<.2	4.2	.05

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

Null value qualifier codes used in this table:

o -- Insufficient amount of water

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT

LOCATION.--Lat 41° 46'59", long 72° 35'16", Hartford County, Hydrologic Unit 01080205, on left bank at end of Preston St., 0.2 mi upstream from bridge on Walnut St., 1.5 mi downstream from Hop Brook, and 2.8 mi east of East Hartford.

DRAINAGE AREA.--73.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1919 to September 1921, July 1928 to September 1971. Annual maximum, water years 1972-76. October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 53.60 ft above sea level (revised). Prior to October 1, 1981, datum in error by +0.90 ft, original levels by Department of Engineering, City of Hartford. Satellite telemetry at station.

REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Shenipsit Lake, small reservoirs, and industrial facilities.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 975 ft³/s, Jan. 14, gage height, 6.45 ft; minimum discharge, 30 ft³/s, Nov. 24, gage height, 1.43 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	60	253	150	e135	140	302	251	140	68	51	58
2	116	59	214	139	e131	130	456	213	119	62	51	45
3	106	59	140	144	e129	122	701	219	114	56	47	41
4	98	69	119	282	130	117	494	191	108	55	45	39
5	83	167	109	198	131	115	401	178	104	54	49	39
6	73	86	103	200	132	114	333	171	100	110	50	40
7	72	74	140	198	131	120	285	174	98	85	47	39
8	70	70	201	291	130	184	395	184	94	194	46	38
9	68	66	136	327	139	157	290	167	81	353	47	38
10	67	64	216	235	222	135	249	160	74	120	49	37
11	64	65	336	220	195	126	223	155	72	84	46	37
12	63	68	195	225	171	129	206	152	70	72	45	38
13	62	81	158	230	159	124	195	150	70	66	45	37
14	66	73	142	657	153	123	186	147	68	64	116	37
15	81	72	125	615	402	124	172	149	67	76	114	193
16	151	73	116	461	326	128	156	204	76	102	58	89
17	76	72	114	381	361	129	151	155	119	64	53	76
18	67	70	109	300	287	132	147	141	73	62	48	57
19	148	69	108	242	239	133	144	137	68	61	46	46
20	95	68	112	229	212	133	141	132	66	57	45	45
21	74	92	102	202	204	147	138	130	63	53	49	44
22	68	75	109	190	197	144	134	130	62	53	58	41
23	66	81	199	237	192	143	332	131	60	56	48	40
24	65	68	528	204	183	163	744	153	58	50	45	39
25	64	213	257	179	183	169	388	164	57	50	44	39
26	62	118	215	173	173	165	322	145	56	49	45	43
27	61	85	195	e170	162	156	295	167	55	126	43	48
28	60	197	168	e171	148	313	282	236	65	142	46	41
29	60	210	158	e171	---	678	245	146	130	60	47	70
30	60	120	149	e159	---	426	228	130	107	54	45	63
31	61	---	144	e141	---	345	---	135	---	52	52	---
TOTAL	2,466	2,744	5,370	7,721	5,357	5,464	8,735	5,097	2,494	2,610	1,620	1,537
MEAN	79.5	91.5	173	249	191	176	291	164	83.1	84.2	52.3	51.2
MAX	151	213	528	657	402	678	744	251	140	353	116	193
MIN	60	59	102	139	129	114	134	130	55	49	43	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2005, BY WATER YEAR (WY)

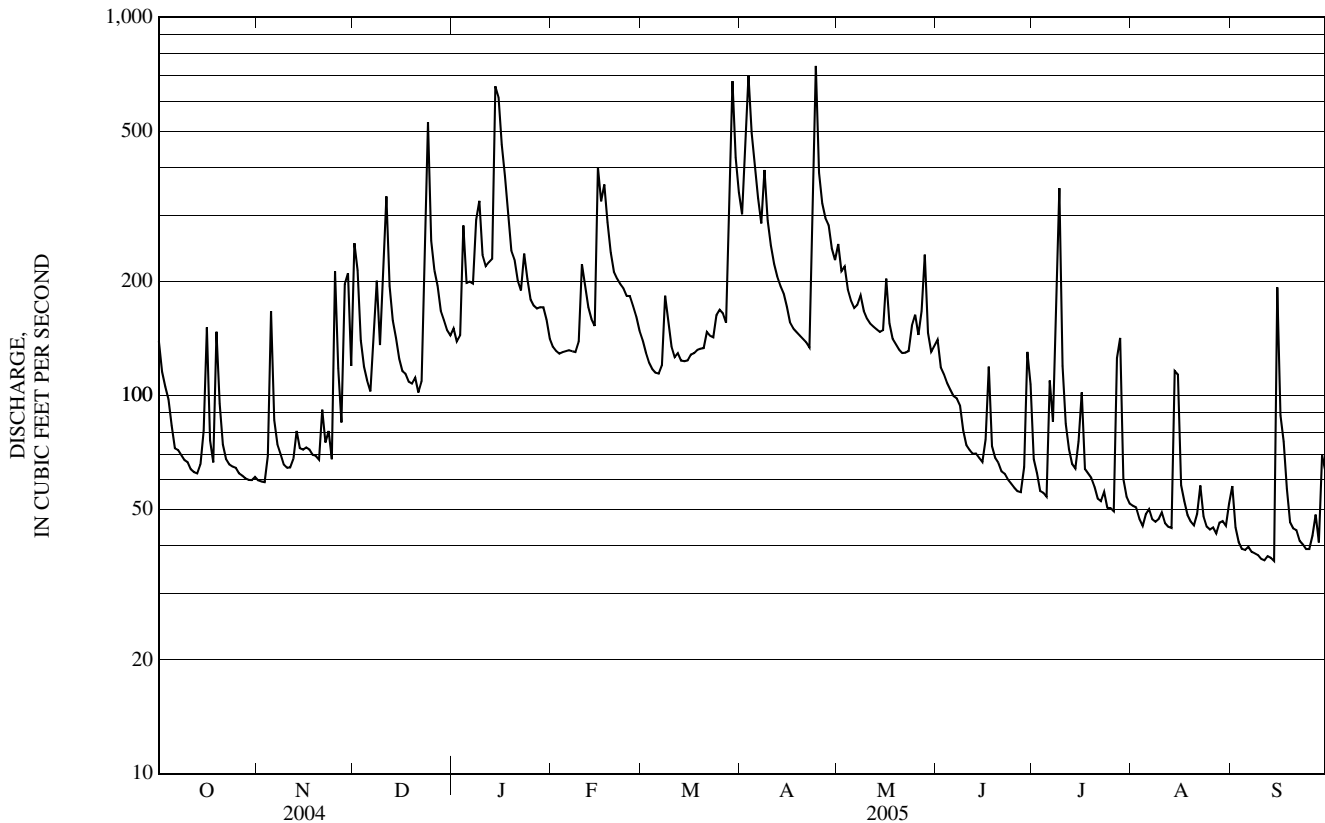
	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	72.6	284	(1956)	25.8	(1931)	92.9	381	(1956)	35.4	(1965)	114	352	(1997)	31.6	(1931)	130	368	(1979)	23.2	(1981)	140	371	(1970)	49.2	(2002)
																196	406	(1920)	72.4	(2002)	196	430	(1983)	65.2	(1985)
																140	262	(1984)	56.1	(1965)	140	262	(1984)	56.1	(1965)
																110	448	(1982)	36.3	(1965)	110	448	(1982)	36.3	(1965)
																74.2	200	(1938)	29.5	(1965)	74.2	200	(1938)	29.5	(1965)
																71.3	289	(1955)	28.4	(1966)	71.3	289	(1955)	28.4	(1966)
																72.0	518	(1938)	27.0	(1957)	72.0	518	(1938)	27.0	(1957)

e Estimated

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1920 - 2005	
ANNUAL TOTAL	48,336		51,215		117	
ANNUAL MEAN	132		140		176	
HIGHEST ANNUAL MEAN					55.8	
LOWEST ANNUAL MEAN					1.2	
HIGHEST DAILY MEAN	983	Apr 14	744	Apr 24	4,300	Sep 21, 1938
LOWEST DAILY MEAN	46	Aug 14	d37	Sep 10	13	Sep 2, 1920
ANNUAL SEVEN-DAY MINIMUM	50	Aug 8	37	Sep 8	13	Sep 2, 1934
MAXIMUM PEAK FLOW			975	Jan 14	a5,160	Sep 21, 1938
MAXIMUM PEAK STAGE			6.45	Jan 14	b13.78	Sep 21, 1938
INSTANTANEOUS LOW FLOW			30	Nov 24	c	
10 PERCENT EXCEEDS	242		252		222	
50 PERCENT EXCEEDS	100		120		87	
90 PERCENT EXCEEDS	57		47		39	

- a From computation of flow over dam just above gage.
b From floodmarks.
c Practically no flow at times caused by regulation.
d Also occurred Sep. 11, 13, 14.



01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-55, 1961-62, 1968-69 , October 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 05...	1130	83	2.1	9.8	96	7.6	318	13.0	15.0	81	25.4	4.18	3.57
DEC 28...	1515	164	6.0	14.4	102	7.1	266	-2.5	2.0	61	18.2	3.69	2.87
FEB 03...	1300	115	2.6	13.4	98	7.3	385	3.5	3.0	87	27.1	4.74	3.05
APR 07...	1100	284	2.9	11.4	104	7.2	264	21.5	11.0	55	16.5	3.28	2.08
JUN 06...	1230	101	2.4	8.5	99	7.7	330	30.0	23.0	76	23.5	4.20	2.89
JUL 06...	1145	96	7.0	8.2	95	7.3	299	25.5	22.5	69	21.9	3.52	3.28
AUG 01...	1030	53	2.6	8.4	95	7.6	385	22.0	22.0	94	29.5	4.87	3.53
SEP 27...	1100	51	3.8	8.9	96	7.7	417	18.5	19.0	100	32.6	5.07	4.74

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 05...	26.0	49	60	44.7	.2	11.2	19.3	200	192	.48	.54	.09	2.78
DEC 28...	26.1	32	39	41.6	.1	10.5	15.3	160	163	.29	.49	.06	2.19
FEB 03...	35.0	46	56	61.1	.2	13.3	21.7	223	219	.45	.48	.12	3.13
APR 07...	25.0	28	34	44.5	.1	8.84	13.5	137	148	.48	.43	.07	1.38
JUN 06...	28.6	46	56	50.1	.2	9.87	19.6	202	212	.50	.50	.07	1.79
JUL 06...	26.0	42	51	42.2	.2	8.15	18.5	192	180	.59	.87	.07	2.19
AUG 01...	33.0	59	72	54.3	.2	8.57	24.9	--o	230	.60	.64	.09	2.35
SEP 27...	37.3	58	71	57.2	.2	10.8	31.8	273	262	.66	1.1	.09	3.59

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, ftrd, ug/L (01106)	Anti- mony, water, ftrd, ug/L (01095)	Barium, water, ftrd, ug/L (01005)	Beryll- ium, water, ftrd, ug/L (01010)
OCT 05...	.014	.45	3.3	.23	.26oc	.31oc	5.9	460	940	9	E.16n	70	<.06
DEC 28...	E.007n	.43	2.7	.15	.190	.24oc	5.1	580	760	18	<.20	52	<.06
FEB 03...	.030	.35	3.6	.21	.23oc	.28oc	4.5	260	270k	11	E.14n	70	<.06
APR 07...	.044	.36	1.8	.03	.050	.085	4.3	260	470	21	E.13n	57	<.06
JUN 06...	.015	.43	2.3	.08	.10	.14	4.6	66k	100	22	E.20n	71	<.06
JUL 06...	.025	.80	3.1	.18	.20	.30	8.0	28,000	24,000	11	.30	63	<.06
AUG 01...	.022	.55	3.0	.18	.22	.25	E4.9	1,100	720k	13	.28	82	<.06
SEP 27...	.020	1.0	4.7	.21	.26	.34	5.7	2,200	3,500	9	.38	76	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Cadmium water, ftrd, ug/L (01025)	Chrom- ium, water, ftrd, ug/L (01030)	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Iron, water, ftrd, ug/L (01046)	Lead, water, ftrd, ug/L (01049)	Mangan- ese, water, ftrd, ug/L (01056)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Silver, water, ftrd, ug/L (01075)	Zinc, water, ftrd, ug/L (01090)	Uranium natural water, ftrd, ug/L (22703)
OCT 05...	E.03n	<.8	.165	3.2	94	.20	61.1	1.3	.74	<.2	12.7	.19
DEC 28...	E.03n	<.8	.160	3.6	119	.24	63.4	E.3n	.69	<.2	13.0	.15
FEB 03...	E.03n	<.8	.240	2.3	69	.18	122	.4	.95	<.2	21.3	.21
APR 07...	E.03n	<.8	.121	2.4	76	.21	56.4	.6	1.72	<.2	10.4	.09
JUN 06...	E.02n	<.8	.169	2.9	145	.27	79.3	1.7	1.68	<.2	9.3	.14
JUL 06...	.04	E.6n	.153	3.3	62	.34	84.6	2.6	1.25	<.2	9.2	.09
AUG 01...	E.03n	<.8	.200	2.9	146	.36	132	4.2	1.24	<.2	9.2	.20
SEP 27...	E.04n	.32	.222	3.7	60	.22	82.8	1.8	1.79	<.2	12.5	.17

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

Null value qualifier codes used in this table:

o -- Insufficient amount of water

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT

LOCATION.--Lat 41° 36' 29", long 72° 42' 56", Hartford County, Hydrologic Unit 01080205, on right bank just upstream from bridge on Rt. 372, and on the Hartford-Middlesex County line.

DRAINAGE AREA.--48.1 mi².

PERIOD OF RECORD.--March 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 20...	1245	120	6.1	10.4	93	7.7	253	12.5	11.0	91	25.2	6.93	1.93
DEC 21...	1215	75	2.3	14.2	97	7.5	402	-.5	.5	150	38.7	12.0	1.38
FEB 15...	1445	693	27	12.8	92	7.7	222	13.0	2.0	57	15.5	4.43	.99
APR 06...	1245	177	2.1	12.1	107	8.0	357	21.5	10.0	110	30.2	8.56	1.05
JUN 14...	1145	28	4.3	10.6	132	8.3	498	33.0	25.5	190	47.3	16.7	1.50
JUL 11...	1130	48	2.5	8.2	96	7.8	393	32.0	23.5	140	36.0	11.2	1.44
AUG 10...	1100	16	1.2	7.7	91	8.1	504	28.0	23.5	200	52.9c	16.4c	1.47c
SEP 06...	1030	11	1.2	7.7	81	8.0	501	22.5	18.5	200	52.7	16.6	1.57

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 20...	12.5	77	94	--	21.2	.1	9.68	9.1	154	144	.36	.40	<.04
DEC 21...	23.6	117	143	--	41.6	E.1n	14.0	17.9	252	229	.27	.33	.08
FEB 15...	17.0	45	55	--	29.5	E.1n	6.08	7.4	159	122	.31	.45	.05
APR 06...	23.9	80	98	.0	47.0	.1	8.67	12.6	182	184	.32	.68	E.03n
JUN 14...	24.0	139	170	.0	54.2	.1	14.2	18.8	282	283	.31	.35	E.03n
JUL 11...	24.0	92	112	--	49.5	E.1n	10.5	13.4	233	220	.46	.40	.04
AUG 10...	24.8c	140	171	.0	55.9	.1	13.8c	19.3	283	274	.37	.27	E.03n
SEP 06...	22.8	154	187	.0	50.5	E.1n	14.6	22.3	306	287	.29	.23	E.02n

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 20...	.42	E.004n	--	.83	.02	.040	.069	7.9	1,500	3,500	5	E.17n	68
DEC 21...	1.23	E.004*n	.25	1.6	<.02	.013	.031	3.5	16k	17k	3	E.12n	99
FEB 15...	.49	E.004n	.40	.94	E.01n	.026	.101	5.6	720	940	10	E.12n	39
APR 06...	.73	E.005n	--	1.4	<.02	.013	.032	3.9	78	100	8	E.11n	77
JUN 14...	.92	.024	--	1.3	.04	.058	.089	6.7	92	170	2	E.13n	118
JUL 11...	.62	.010	.36	1.0	.04	.062	.094	5.0	180	180	3	E.19n	97
AUG 10...	.81	E.006n	--	1.1	.04	.074	.086	3.5	42	23	E2n	E.16n	118
SEP 06...	.95	E.005n	--	1.2	.05	.070	.081	3.7	60	60	2	E.16n	127

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 20...	<.06	E.03n	<.8	.138	2.9	121	.18	43.2	.7	1.89	<.2	3.7	.22
DEC 21...	<.06	E.03n	<.8	.226	1.7	50	E.06n	133	.4	1.79	<.2	2.3	.55
FEB 15...	<.06	.06	<.8	.125	2.6	46	.12	86.9	E.3n	1.18	<.2	7.0	.08
APR 06...	<.06	.05	<.8	.143	1.9	67	.09	63.9	2.1	2.84	<.2	2.5	.30
JUN 14...	<.06	E.03n	E.4n	.171	2.1	100	.15	94.8	.8	2.61	<.2	.7	.55
JUL 11...	<.06	E.03n	<.8	.127	2.1	45	.11	77.7	.7	2.89	<.2	1.4	.31
AUG 10...	<.06	E.03n	<.8	.153	2.2	41	.08	79.2	.9	3.29	<.2	.9	.69
SEP 06...	<.06	E.04n	.35oc	.120	2.9	34	.10	67.3	.7	2.10	<.2	1.5	.68

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

* -- Sample was warm when received

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT

LOCATION.--Lat 41° 31' 12", long 72° 42' 23", Middlesex County, Hydrologic Unit 01080205, on right bank just upstream from Cider Mill Rd., 0.5 mi northeast of Middlefield, and 0.75 mi upstream from Wadsworth Falls.

DRAINAGE AREA.--29.8 mi².

PERIOD OF RECORD.--October 1961 to December 1980, published as "at Rockfall", December 1980 to current year.

REVISED RECORDS.--WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 134.17 ft above sea level. Satellite telemetry at station. Prior to Dec. 2, 1980, water-stage recorder at site 2.0 mi downstream at datum 73.01 ft lower.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Infrequent regulation from Beseck Lake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 547 ft³/s, Apr. 24, gage height, 8.51 ft; minimum discharge, 1.3 ft³/s, Aug. 27, 28, gage height, 4.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	17	182	64	e46	e50	203	106	20	93	4.9	6.4
2	109	16	259	63	e44	e48	223	108	18	66	4.6	5.8
3	80	17	247	59	e48	e44	443	99	17	38	4.2	4.7
4	55	18	189	86	e59	42	397	86	16	21	3.9	3.9
5	38	37	140	99	e62	42	277	72	14	13	3.8	3.3
6	28	39	108	97	e54	41	193	62	12	12	3.6	2.8
7	23	35	99	93	e52	43	143	62	11	35	3.2	2.6
8	21	27	128	106	e49	66	143	66	10	62	3.2	2.4
9	19	24	140	143	48	75	140	62	8.9	123	3.2	2.2
10	17	34	146	e131	66	84	113	54	7.7	131	2.9	2.0
11	16	31	201	109	79	77	92	46	7.3	104	2.8	1.9
12	15	32	199	101	79	61	78	41	7.1	70	2.6	1.8
13	14	45	164	109	70	51	68	36	6.8	42	2.5	1.7
14	13	51	131	259	62	52	62	33	6.7	28	2.4	1.6
15	15	52	108	427	262	55	56	32	6.8	22	3.1	3.2
16	27	49	91	340	351	60	51	32	7.1	18	3.4	5.8
17	29	46	77	243	298	64	47	30	10	16	3.3	9.7
18	27	43	70	e169	215	65	44	27	8.7	20	2.9	13
19	44	40	64	e120	149	65	41	25	7.8	17	2.6	15
20	63	38	59	e89	116	63	39	23	7.2	15	2.3	12
21	63	40	57	e79	93	61	36	22	6.5	12	2.7	8.1
22	49	40	53	e69	83	59	34	22	6.0	10	2.5	5.8
23	36	38	66	e65	e78	58	96	23	6.0	9.0	2.3	4.8
24	27	31	137	e63	e72	64	461	26	5.5	7.4	2.0	4.0
25	23	52	143	e61	66	78	450	35	5.1	6.4	1.7	3.7
26	21	63	e114	e59	e63	89	293	40	4.8	5.7	1.5	3.8
27	20	58	e92	e57	e58	93	199	40	4.4	5.9	1.4	5.1
28	18	74	e75	e55	e53	152	159	38	5.7	7.0	1.5	4.6
29	18	136	e63	e53	---	452	127	33	21	6.2	1.6	5.4
30	17	153	57	e50	---	427	102	27	85	5.6	3.3	5.6
31	18	---	57	e49	---	292	---	22	---	5.1	4.9	---
TOTAL	1,109	1,376	3,716	3,567	2,775	2,973	4,810	1,430	360.1	1,026.3	90.8	152.7
MEAN	35.8	45.9	120	115	99.1	95.9	160	46.1	12.0	33.1	2.93	5.09
MAX	146	153	259	427	351	452	461	108	85	131	4.9	15
MIN	13	16	53	49	44	41	34	22	4.4	5.1	1.4	1.6
CFSM	1.20	1.54	4.02	3.86	3.33	3.22	5.38	1.55	0.40	1.11	0.10	0.17
IN.	1.38	1.72	4.64	4.45	3.46	3.71	6.00	1.79	0.45	1.28	0.11	0.19

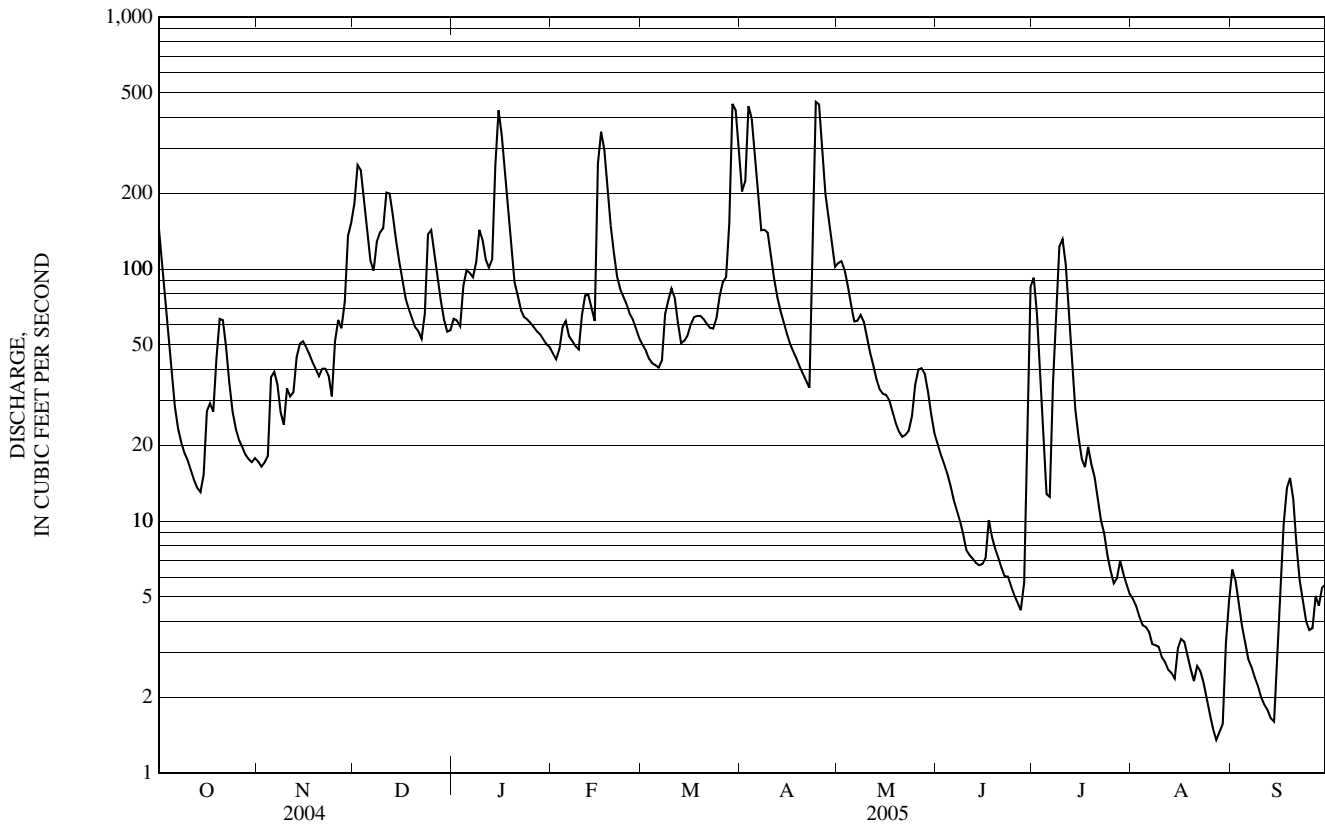
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	36.8	59.5	83.9	76.3	85.8	105	107	59.7	54.0	17.3	20.3	17.3
MAX	130	121	237	144	162	206	284	172	242	61.3	73.6	59.5
(WY)	(1990)	(1997)	(1997)	(1982)	(1981)	(1983)	(1983)	(1989)	(1982)	(1984)	(1991)	(2003)
MIN	4.43	8.85	14.1	8.43	22.5	47.8	25.4	16.2	5.20	2.45	1.73	2.56
(WY)	(1998)	(2002)	(2002)	(1981)	(2002)	(1981)	(1985)	(1986)	(1988)	(1987)	(2002)	(1995)

e Estimated

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	21,366.8		23,385.9		60.8	
ANNUAL MEAN	58.4		64.1		95.6	
HIGHEST ANNUAL MEAN					29.9	
LOWEST ANNUAL MEAN					1,670	
HIGHEST DAILY MEAN	822	Apr 14	461	Apr 24	1,670	Jun 6, 1982
LOWEST DAILY MEAN	4.2	Sep 6	1.4	Aug 27	0.26	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	4.8	Sep 2	1.7	Aug 23	0.28	Aug 13, 2002
MAXIMUM PEAK FLOW			547	Apr 24	2,260	Apr 16, 1996
MAXIMUM PEAK STAGE			8.51	Apr 24	12.46	Apr 16, 1996
INSTANTANEOUS LOW FLOW			1.3	Aug 27	0.25	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	1.96		2.15		2.04	
ANNUAL RUNOFF (INCHES)	26.67		29.19		27.72	
10 PERCENT EXCEEDS	136		143		140	
50 PERCENT EXCEEDS	38		43		36	
90 PERCENT EXCEEDS	7.1		3.7		4.9	



01193000 CONNECTICUT RIVER NEAR MIDDLETOWN, CT

LOCATION.--Lat 41°33'40", long 72°36'43", Middlesex County, Hydrologic Unit 01080205, on right bank 0.5 mi upstream from Bodkin Rock, 2 mi downstream from Middletown, and 29.5 mi upstream from mouth.

DRAINAGE AREA.--10,887 mi².

PERIOD OF RECORD.--October 1965 to current year. Jan. 1947 to Sept. 1948, twice daily readings on outside staff gage, and Sept. 1948 to Oct. 1965, infrequent discharge measurements at high stages and continuous graphic record of stage.

REVISED RECORDS.-- WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is sea level. Telephone telemetry at station.

REMARKS.--Records fair Prior to 1994 water year, volume discharge records are available.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 186,000 ft³/s June 2, 1984, gage height, 21.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 267,000 ft³/s Mar. 21, 1936, gage height, 28.20 ft, from rating curve extended above 125,000 ft³/s on basis of stage and discharge determinations of 1927, 1936, and 1938 floods. Peak discharges for floods dating back to 1814 are available in the office at East Hartford, Conn.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 110,000 ft³/s, Apr. 5, elevation, 13.45 ft.; minimum tidal elevation, -0.42 ft, Mar. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	5.29	3.06	2.71	1.09	---	---	4.36	1.52
2	---	---	---	---	4.67	3.54	2.75	1.05	---	---	3.08	0.54
3	---	---	---	---	5.76	4.62	3.04	1.47	---	---	2.51	0.41
4	---	---	---	---	5.61	4.91	3.16	1.45	---	---	2.44	0.40
5	---	---	---	---	4.91	3.29	3.59	2.03	---	---	2.52	0.58
6	---	---	---	---	3.58	2.58	4.12	2.56	---	---	2.86	0.68
7	---	---	---	---	3.90	2.54	3.89	2.20	---	---	3.18	0.86
8	---	---	---	---	4.37	2.36	3.86	1.86	---	---	3.93	1.19
9	---	---	---	---	3.35	1.86	3.93	2.11	---	---	1.86	-0.42
10	---	---	---	---	5.15	2.40	4.26	1.88	---	---	2.92	0.30
11	---	---	---	---	5.47	3.55	3.60	1.27	3.57	2.34	3.35	1.06
12	---	---	---	---	5.06	3.66	4.53	1.79	3.60	2.50	3.69	1.18
13	---	---	---	---	4.95	3.29	4.18	1.99	3.56	2.06	3.70	1.41
14	---	---	---	---	3.85	2.54	4.10	2.34	3.33	1.92	3.16	0.45
15	---	---	---	---	3.61	1.99	5.70	3.26	4.33	2.09	2.49	0.42
16	---	---	---	---	3.51	1.84	6.28	5.61	3.24	2.08	2.69	0.54
17	---	---	---	---	3.05	1.06	6.22	4.78	2.99	2.13	2.50	0.70
18	---	---	---	---	2.94	0.92	---	---	3.02	1.89	2.70	0.98
19	---	---	---	---	3.74	1.53	---	---	2.65	1.49	2.22	0.70
20	---	---	2.68	0.58	3.06	0.80	---	---	2.52	1.30	2.51	0.86
21	---	---	3.18	0.83	2.84	0.62	---	---	3.83	1.54	2.70	0.83
22	---	---	2.91	0.72	3.10	0.70	---	---	3.33	1.58	2.82	1.06
23	---	---	3.08	0.75	3.79	0.99	---	---	3.23	1.13	3.61	0.99
24	---	---	3.42	0.94	3.78	2.28	---	---	3.24	1.02	3.81	1.96
25	---	---	4.10	1.70	5.06	3.78	---	---	3.27	1.38	3.81	1.66
26	---	---	2.80	0.46	5.32	4.44	---	---	3.48	1.07	3.35	1.43
27	---	---	3.51	1.40	5.01	3.26	---	---	2.39	0.29	3.56	1.38
28	---	---	5.03	2.82	---	---	---	---	2.78	0.54	3.86	1.54
29	---	---	3.51	2.37	---	---	---	---	---	---	5.49	3.86
30	---	---	3.84	2.68	3.11	1.18	---	---	---	---	7.81	5.49
31	---	---	---	---	3.07	1.58	---	---	---	---	8.23	7.81
MONTH	---	---	5.03	0.46	5.76	0.62	6.28	1.05	4.33	0.29	8.23	-0.42

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

[illegible]

01193500 SALMON RIVER NEAR EAST HAMPTON, CT

LOCATION.--Lat 41° 33'08", long 72° 26'59", Middlesex County, Hydrologic Unit 01080205, on left bank at State Rt. 16 Bridge, 450 ft downstream from New London-Middlesex County line, 300 ft downstream from Comstock Bridge, 0.7 mi downstream from Dickinson Creek, and 3.5 mi southeast of East Hampton.

DRAINAGE AREA.--100 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to current year.

REVISED RECORDS.--WSP 1201: 1929. WDR CT-78-1: 1976 (P). WDR CT-83-1: Drainage area. WDR CT-04-1: Latitude.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 64.38 ft above sea level. Prior to June 23, 1974, at datum 2.99 ft higher for site and datum then in use; prior to May 20, 1980, at datum 2.80 ft higher and at site 400 ft upstream; prior to June 24, 1987, at datum 0.67 ft lower for site and datum then in use. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are poor. Slight regulation at low flow by ponds upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 24	0300	1,380	5.19	Mar 29	0315	2,270	6.06
Jan 14	1700	2,710	6.41	Apr 3	0500	2,050	5.86
Feb 15	1015	1,440	5.26	Apr 24	0245	*2,810	*6.49

Minimum discharge, 3.3 ft³/s, Sept. 14, gage height, 1.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	75	577	271	e167	e212	401	518	154	77	14	19
2	130	70	591	244	e170	210	967	401	125	53	13	14
3	107	68	340	240	e163	192	1,600	376	106	39	13	10
4	88	71	254	495	e167	e182	805	318	95	31	11	8.2
5	78	215	219	389	e167	179	547	279	85	27	9.8	6.8
6	70	150	198	343	e170	167	443	257	74	65	10	6.0
7	66	114	253	334	e170	177	393	316	68	77	11	5.5
8	63	97	489	465	e160	e260	591	341	61	93	9.4	5.0
9	66	86	337	582	e236	e209	452	279	54	191	8.4	4.7
10	60	78	434	395	e341	e186	360	243	51	101	8.0	4.4
11	55	74	683	347	e304	e169	312	220	51	59	7.7	4.0
12	51	83	459	344	273	e165	280	200	50	43	7.0	4.0
13	49	151	349	382	236	e162	262	180	47	35	6.7	3.7
14	51	131	294	1,750	218	e162	246	172	43	33	6.3	3.4
15	69	116	245	1,240	1,140	e179	228	170	40	29	8.5	8.2
16	258	123	218	623	743	e179	215	164	41	26	9.2	24
17	162	116	214	474	644	211	206	152	53	41	8.4	18
18	107	107	200	e387	420	224	195	136	48	30	7.1	43
19	258	98	192	e328	304	235	187	127	44	36	6.2	21
20	262	93	e196	e298	284	230	184	121	40	53	5.9	14
21	163	113	e191	e286	273	229	173	116	36	37	6.1	11
22	123	112	194	e284	268	239	163	114	34	25	6.1	9.1
23	105	102	381	e276	261	240	778	111	31	22	5.3	7.7
24	96	107	1,010	e270	240	258	2,260	146	28	19	4.8	6.9
25	93	276	456	e267	235	290	888	220	25	17	4.5	6.3
26	85	237	305	e254	221	321	526	228	23	16	4.4	6.6
27	81	163	263	e240	e215	292	560	191	21	17	4.1	11
28	79	339	e246	e223	e212	669	576	228	24	37	4.0	9.9
29	76	574	e230	e210	---	1,690	426	168	112	22	6.0	11
30	76	301	227	e200	---	714	387	128	159	17	38	16
31	79	---	221	e177	---	470	---	126	---	15	23	---
TOTAL	3,292	4,440	10,466	12,618	8,402	9,302	15,611	6,746	1,823	1,383	286.9	322.4
MEAN	106	148	338	407	300	300	520	218	60.8	44.6	9.25	10.7
MAX	262	574	1,010	1,750	1,140	1,690	2,260	518	159	191	38	43
MIN	49	68	191	177	160	162	163	111	21	15	4.0	3.4
CFSM	1.06	1.48	3.38	4.07	3.00	3.00	5.20	2.18	0.61	0.45	0.09	0.11
IN.	1.22	1.65	3.89	4.69	3.13	3.46	5.81	2.51	0.68	0.51	0.11	0.12

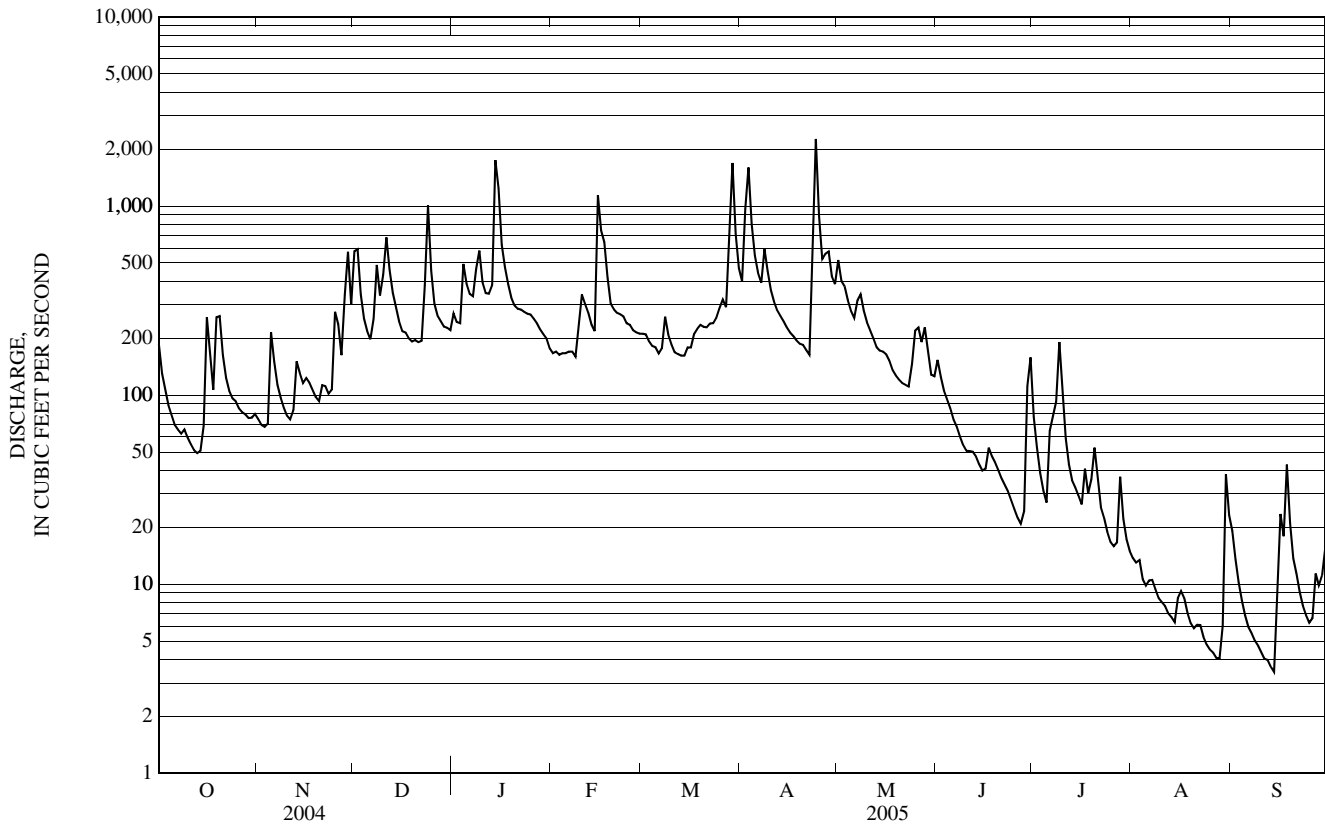
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	88.5	160	219	249	249	369	342	224	138	62.5	53.9	65.0
MAX	734	551	641	1,144	623	797	803	482	801	426	357	834
(WY)	(1956)	(1956)	(1973)	(1979)	(1973)	(1936)	(1983)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	12.4	21.2	39.2	25.2	58.0	152	110	82.6	22.4	8.41	7.50	5.80
(WY)	(1931)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1986)	(1957)	(1957)	(1957)	(1943)

e Estimated

01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	72,622		74,692.3		185	
ANNUAL MEAN	198		205		326	
HIGHEST ANNUAL MEAN					81.9	
LOWEST ANNUAL MEAN					1.0	
HIGHEST DAILY MEAN	2,750	Apr 14	2,260	Apr 24	8,720	Sep 21, 1938
LOWEST DAILY MEAN	19	Jul 23	3.4	Sep 14	3.0	Oct 13, 1929
ANNUAL SEVEN-DAY MINIMUM	24	Sep 2	4.2	Sep 8	3.0	Sep 6, 1963
MAXIMUM PEAK FLOW			2,810	Apr 24	18,500	Jun 6, 1982
MAXIMUM PEAK STAGE			6.49	Apr 24	14.40	Jun 6, 1982
INSTANTANEOUS LOW FLOW			3.3	Sep 14	0.90	Jan 19, 1997
ANNUAL RUNOFF (CFSM)	1.98		2.05		1.85	
ANNUAL RUNOFF (INCHES)	27.02		27.79		25.10	
10 PERCENT EXCEEDS	403		438		402	
50 PERCENT EXCEEDS	140		162		116	
90 PERCENT EXCEEDS	33		8.9		19	



01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1953, April 1954, October 1960 to September 1961, June 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1975 to September 1993.

pH: December 1984 to September 1992.

WATER TEMPERATURES: March 1975 to April 1993.

DISSOLVED OXYGEN: January 1985 to September 1992.

SUSPENDED-SEDIMENT DISCHARGE: January 1982 to September 1986, October 1987 to September 1990.

INSTANTANEOUS SUSPENDED-SEDIMENT DISCHARGE: March 1987 to September 1987.

INSTRUMENTATION.--Water-quality 2-channel mini-monitor March 1975 to September 1984, August 1993 to September 1993. Water-quality 4-channel mini-monitor October 1984 to April 1993.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 257 microsiemens Jan. 1, 1990; minimum, 23 microsiemens February 23, 1978.

pH: Maximum, 8.8 units Oct. 14, 1985, Aug. 9, 18, 19, 1987; minimum 6.2 units Dec. 19, 1986, Jan. 24, March 13, Sept. 30, 1992.

WATER TEMPERATURES: Maximum, 32.0° C Aug. 2, 1975; minimum, 0.0° C on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 17.1 mg/L March 9, 1986; minimum 0.2 mg/L Dec. 3, 1986.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,870 mg/L June 6, 1982; minimum daily mean, 0 mg/L on numerous days.

SEDIMENT LOADS: Maximum daily, 95,400 tons June 6, 1982; minimum daily, 0 tons on numerous days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 04...	1115	88	.9	10.5	99	7.1	106	19.5	13.0	21	5.70	1.64	2.03
JAN 25...	1115	267	.7	14.4	99	7.0	105	-3.0	.0	20	5.37	1.60	1.58
APR 19...	1130	188	.7	11.0	102	7.4	106	25.0	12.0	21	5.59	1.61	1.55
JUL 12...	0930	45	1.4	9.0	101	7.4	117	27.0	21.0	22	6.08c	1.68c	1.80c

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unf mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 04...	9.88	12	15	15.5	E.1n	10.1	7.0	79	82	.23	.30	<.04	.12
JAN 25...	9.72	9	11	15.7	<.1	10.2	9.5	63	56	.18	.16	<.04	.46
APR 19...	10.1	9	11	16.2	E.1n	7.50	8.0	65	72	.27	.17	<.04	.24
JUL 12...	10.6	14	17	17.6	<.1	7.86c	7.7	74	71	.35	.27	<.04	.12

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coliform, M-FC col/ 100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)
OCT 04...	<.008	.42	<.02	.005	.013	5.7	22	30	20	<.20	8	<.06	<.04
JAN 25...	<.008	.62	<.02	E.003n	.006	2.0	10k	12k	22	<.20	8	<.06	<.04
APR 19...	<.008	.40	<.02	E.004n	.011	2.8	2k	3k	22	<.20	8	.08	<.04
JUL 12...	<.008	.39	<.02	.008	.018	4.7	30	54	22	<.20	7	<.06	<.04

01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Chromium, water, flt'd, ug/L (01030)	Cobalt, water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Manganese, water, flt'd, ug/L (01056)	Molybdenum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 04...	<.8	.066	.6	100	.09	3.5	<.4	.68	<.2	.9	E.04n
JAN 25...	<.8	.166	1.1	51	.10	15.4	<.4	.88	<.2	4.8	E.02n
APR 19...	<.8	.083	.5	68	.09	7.7	<.4	.61	<.2	1.7	E.03n
JUL 12...	<.8	.084	.7	167c	.18	5.8	<.4	.96	<.2	1.0	E.03n

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT

LOCATION.--Lat 41° 27'05", long 72° 27'55", Middlesex County, Hydrologic Unit 01080205, at bridge on State Rt. 82, at East Haddam, 1.1 mi downstream from Salmon River and 3.7 mi upstream from Chester Creek.

DRAINAGE AREA.--11,092 mi².

PERIOD OF RECORD.--Water years 1968, 1974 to current year.

REMARKS.--Stream tidal affected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity white light, det ang 90+/-30 corrtcd NTRU (63676)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 18...	0900	3.4	8.9	85	7.5	173	11.5	13.5	46	14.3	2.44	1.89	13.7
DEC 22...	0915	1.5	13.7	92	7.2	128	-2.0	.0	34	10.3	1.89	1.27	10.8
FEB 14...	0915	3.1	13.7	93	7.1	158	.0	.5	35	10.6	1.97	1.33	14.8
APR 27...	0815	17	11.3	100	7.1	89	12.5	10.0	25	7.98	1.18	1.06	6.49
JUN 23...	0900	7.3	8.4	89	6.9	105	20.0	19.0	31	10.2	1.41	1.07	6.84
AUG 24...	0930	1.6	6.1	75	7.4	178	25.0	26.0	42	13.1	2.36	2.04	14.8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unf mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 18...	33	40	21.8	E.1n	6.23	7.4	99	96	.33	.41	.10	.58	.015
DEC 22...	25	30	15.6	E.1n	7.43	8.3	84	77	.24	.30	.10	.44	E.006*n
FEB 14...	22	27	24.4	E.1n	7.21	8.5	97	98	.33	.37	.12	.50	E.005n
APR 27...	15	19	10.1	E.1n	5.04	5.4	110	57	.25	.33	E.03n	.20	<.008
JUN 23...	24	29	10.0	<.1	5.80	5.8	78	59	.26	.33	E.04n	.22	E.005n
AUG 24...	28	34	24.9	E.1n	4.71	10.2	112	95	.36	.43	.13	.58	.018

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC col/ 100 mL (31616)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)
OCT 18...	.32	.99	.05	.066	.091	5.7	840	1,060	8	<.20	19	<.06	E.02n
DEC 22...	.20	.74	E.01*n	.029	.036	3.7	400	520	22	<.20	15	<.06	<.04
FEB 14...	.25	.87	E.01n	.024	.046	3.5	660	580	15	<.20	17	<.06	<.04
APR 27...	--	.53	<.02	.015	.078	5.9	400	280	25	<.20	9	E.06n	<.04
JUN 23...	--	.56	E.01n	.027	.068	4.9	320k	43k	18	<.20	11	E.03n	<.04
AUG 24...	.29	1.0	.06	.094	.106	4.4	17k	22	7	E.10n	21	<.06	E.03n

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Chromium, water, flt'd, ug/L (01030)	Cobalt, water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Manganese, water, flt'd, ug/L (01056)	Molybdenum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 18...	<.8	.071	1.4	83	.10	7.8	.5	.77	<.2	1.6	.08
DEC 22...	<.8	.113	.9	111	.09	35.7	E.2n	.69	<.2	2.3	.08
FEB 14...	<.8	.109	1.2	66	.12	24.3	E.2n	.99	<.2	3.2	.07
APR 27...	<.8	.041	1.4	51	.11	6.2	<.4	.41	<.2	1.2	.07
JUN 23...	<.8	.051	1.4	58	E.07n	4.1	E.2n	.76	<.2	.7	.08
AUG 24...	<.8	.069	2.4	36	.11	9.5	.9	1.45	<.2	1.8	.05

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Value qualifier codes used in this table:

* -- Sample was warm when received

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

01194500 EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME, CT

LOCATION.--Lat 41° 25'40", long 72° 20'05", New London County, Hydrologic Unit 01080205, on left bank at State Rt. 156 bridge, 0.7 mi south of intersection of State Rt. 82, 0.4 mi upstream from confluence of Eightmile River, and 5.5 mi above mouth.

DRAINAGE AREA.--22.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1937 to 1981, August 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 54.13 ft above sea level. Prior to Oct. 1, 1964, at datum 1.00 ft higher. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 632 ft³/s, Mar. 29, gage height, 4.96 ft; minimum discharge, 0.31 ft³/s, Aug. 29, gage height, 1.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	29	201	58	e39	e41	117	206	35	9.6	1.9	1.5
2	56	24	293	56	e37	e39	217	148	25	7.9	1.6	1.1
3	50	22	141	52	36	e38	388	108	21	6.3	1.3	0.84
4	40	23	103	86	52	e38	220	86	19	5.3	1.1	0.70
5	31	70	88	83	56	e37	146	75	17	4.5	1.0	0.63
6	26	62	74	72	54	37	115	70	14	4.4	0.98	0.57
7	23	44	76	75	52	39	98	90	13	4.8	0.82	0.53
8	21	35	111	81	49	61	132	93	14	12	0.80	0.38
9	20	29	88	118	51	75	116	75	14	37	0.72	0.43
10	19	27	95	83	80	61	91	68	11	20	0.79	0.44
11	18	27	132	74	87	47	74	59	12	12	0.73	0.41
12	16	28	105	76	63	45	70	53	11	8.6	0.67	0.39
13	15	60	82	83	54	42	63	46	10	6.9	0.64	0.39
14	15	59	72	196	49	42	58	43	10	6.1	0.60	0.38
15	19	47	63	263	256	43	54	43	8.2	5.5	0.72	0.59
16	75	45	57	139	195	46	49	41	7.7	5.1	0.92	1.0
17	64	41	57	104	144	48	48	37	8.8	4.7	0.79	1.1
18	40	37	53	78	100	50	46	33	8.4	4.7	0.63	1.6
19	62	33	50	e72	74	52	43	30	7.7	4.7	0.56	0.98
20	87	31	51	65	66	51	40	28	7.0	5.5	0.55	0.84
21	56	34	e48	62	64	49	32	26	6.4	7.2	0.55	0.75
22	44	35	49	e62	65	48	35	25	6.0	5.8	0.55	1.4
23	37	32	64	e60	62	47	67	25	5.5	4.3	0.52	1.6
24	33	35	174	e62	59	56	383	29	5.1	3.6	0.49	0.85
25	32	50	104	58	e54	65	200	43	4.8	3.0	0.47	0.63
26	30	60	71	51	e49	69	113	54	4.3	2.8	0.46	0.65
27	29	47	63	50	e46	67	135	48	4.0	2.7	0.41	1.5
28	29	78	e62	e48	e44	143	190	48	4.3	2.8	0.34	0.98
29	25	247	59	e46	---	526	112	38	5.4	2.5	0.33	0.94
30	25	116	55	43	---	251	99	30	10	2.2	2.1	1.1
31	26	---	53	42	---	151	---	31	---	2.1	2.0	---
TOTAL	1,143	1,507	2,794	2,498	2,037	2,404	3,551	1,829	329.6	214.6	26.04	25.20
MEAN	36.9	50.2	90.1	80.6	72.8	77.5	118	59.0	11.0	6.92	0.84	0.84
MAX	87	247	293	263	256	526	388	206	35	37	2.1	1.6
MIN	15	22	48	42	36	37	32	25	4.0	2.1	0.33	0.38
CFSM	1.65	2.25	4.04	3.61	3.26	3.48	5.31	2.65	0.49	0.31	0.04	0.04
IN.	1.91	2.51	4.66	4.17	3.40	4.01	5.92	3.05	0.55	0.36	0.04	0.04

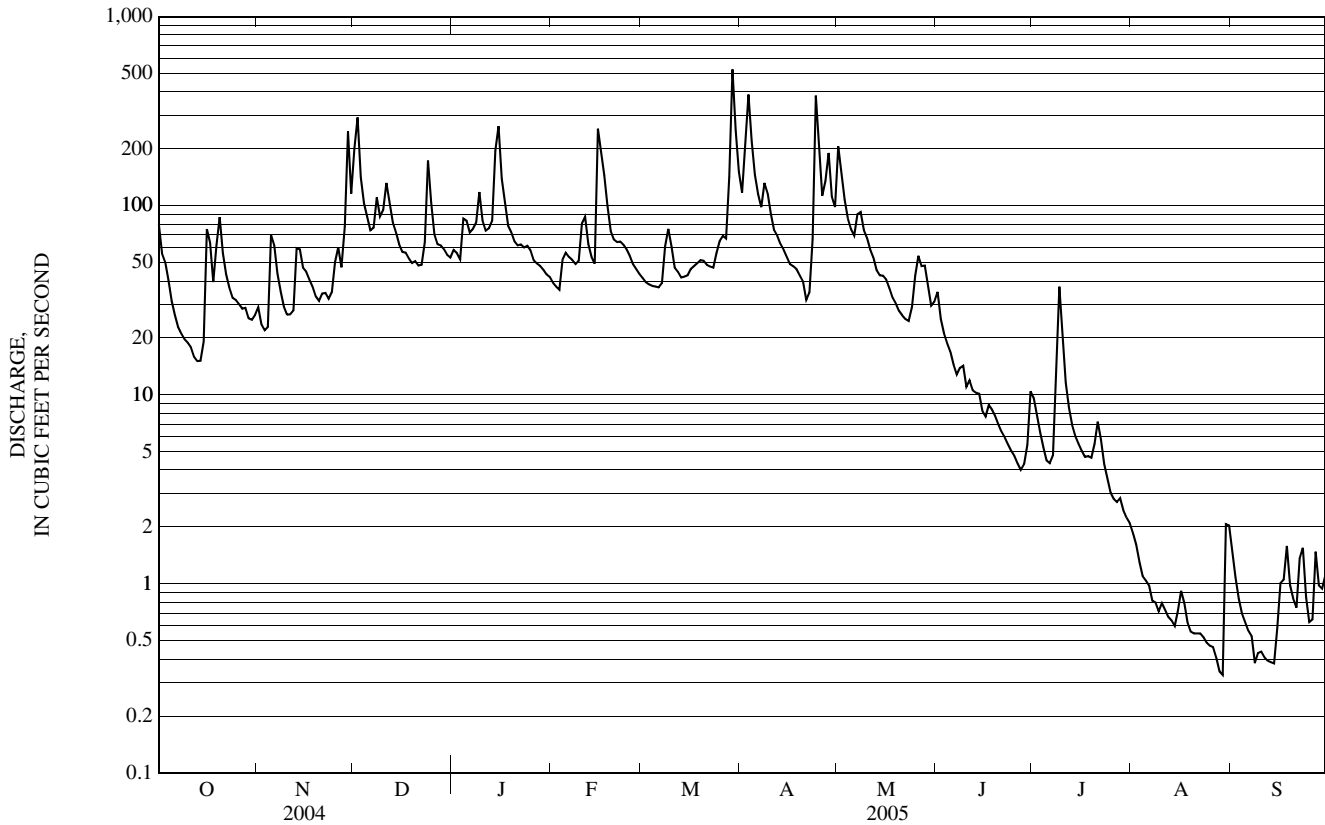
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	20.7	183	(1956)	1.93	(1942)	41.7	132	(1973)	8.59	(2002)	58.6	151	(1973)	9.37	(1944)	62.3	265	(1979)	9.27	(1981)
						65.1	124	(1951)	15.1	(1980)	91.3	191	(1953)	46.5	(2002)	79.5	148	(2004)	34.7	(1966)
						55.7	140	(1978)	23.4	(1962)	28.9	146	(1972)	4.97	(1957)	14.0	96.9	(1938)	1.23	(1957)
						11.2	61.1	(1955)	0.72	(1944)	14.5	160	(1938)	0.40	(1943)					

e Estimated

01194500 EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	18,140.6		18,358.44		45.2	
ANNUAL MEAN	49.6		50.3		72.0	
HIGHEST ANNUAL MEAN					22.0	
LOWEST ANNUAL MEAN					1,490	
HIGHEST DAILY MEAN	689	Apr 14	526	Mar 29	1,490	Oct 16, 1955
LOWEST DAILY MEAN	2.9	Aug 4	0.33	Aug 29	0.03	Oct 2, 1941
ANNUAL SEVEN-DAY MINIMUM	4.1	Jul 29	0.40	Sep 8	0.16	Sep 6, 1944
MAXIMUM PEAK FLOW			632	Mar 29	2,950	Sep 21, 1938
MAXIMUM PEAK STAGE			4.96	Mar 29	7.00	Sep 21, 1938
INSTANTANEOUS LOW FLOW			0.31	Aug 29	0.00	Sep 3, 1938
ANNUAL RUNOFF (CFSM)	2.22		2.26		2.03	
ANNUAL RUNOFF (INCHES)	30.26		30.62		27.55	
10 PERCENT EXCEEDS	96		106		101	
50 PERCENT EXCEEDS	34		40		29	
90 PERCENT EXCEEDS	6.3		0.81		3.4	



01194796 CONNECTICUT RIVER AT OLD LYME, CT

LOCATION.--Lat 41° 18'45", long 72° 20'47", New London County, Hydrologic Unit 01080205, on left bank at Connecticut Department of Environmental Protection Marine Headquarters boat dock gas house, 1,000 ft upstream from railroad bridge, near mouth of Connecticut River.

DRAINAGE AREA.--11,224 mi².

PERIOD OF RECORD.--June 1998 to current year.

GAGE.--Water-stage recorder. Datum of reference gage is sea level. Prior to Feb. 1978, at site at Lynde Point, at datum 9.68 ft below sea level. Prior to June 1998, at site in jetty lighthouse at the mouth of the Connecticut River, at datum 4.56 ft below sea level. Telephone telemetry at station.

REMARKS.--Records good. Stage data in feet at 5-minute intervals available upon request.

EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.55 ft, May 26; minimum, -2.77 ft, Mar. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3.19	-0.59	2.45	-0.74	3.94	-0.92	1.88	-1.58	2.94	-0.60	4.26	-0.21
2	3.18	-0.39	2.83	0.00	1.85	-0.58	2.04	-0.64	2.48	-0.79	2.63	-1.06
3	3.01	-0.24	2.77	-0.42	2.35	-0.37	2.34	-0.94	---	---	2.15	-1.39
4	2.85	-0.21	2.54	0.33	2.40	-0.04	---	---	3.11	-0.45	1.91	-0.92
5	2.39	-0.27	3.01	-1.40	1.98	-0.93	2.75	-0.71	3.36	-0.91	2.04	-1.10
6	2.00	-0.50	1.35	-1.35	2.29	-0.73	3.14	-0.19	3.21	-1.06	---	---
7	1.97	-0.41	2.57	-1.34	3.13	0.04	2.84	-1.45	3.52	-1.18	2.87	-0.91
8	2.06	-0.43	2.21	-0.78	3.67	-0.67	3.15	-0.92	3.39	-1.34	3.55	-0.55
9	2.34	-0.53	2.39	-1.17	2.48	-1.19	3.19	-1.05	3.60	-1.25	1.17	-2.77
10	2.39	-0.53	2.67	-1.27	4.44	-0.26	3.65	-1.17	3.91	-0.95	2.65	-2.17
11	2.57	-0.63	2.76	-1.48	4.52	-0.10	3.01	-1.41	2.88	-1.45	3.42	-1.25
12	3.20	-0.53	3.49	-1.13	3.75	-0.82	4.09	-0.65	2.46	-1.33	3.43	-0.88
13	3.37	-0.76	3.48	-1.18	3.92	-0.71	3.54	-0.71	2.70	-1.20	3.44	-0.46
14	3.78	-0.51	3.41	-1.18	2.99	-1.25	---	---	2.68	-1.01	2.74	-1.27
15	3.85	-0.33	3.40	-1.04	2.81	-1.15	2.33	-0.69	3.64	-0.66	---	---
16	3.58	-0.77	3.43	-0.79	2.77	-1.03	2.68	-0.11	2.37	-0.37	2.43	-1.00
17	2.72	-1.20	3.24	-0.80	2.22	-1.76	3.65	-0.11	1.92	-0.41	2.10	-0.31
18	2.92	-1.09	2.85	-0.72	2.26	-0.74	2.06	-1.28	2.06	-0.74	2.29	-0.29
19	3.40	-0.28	2.54	-0.78	3.27	-0.11	2.82	-0.53	1.92	-0.89	1.82	-0.58
20	3.44	-0.23	---	---	3.06	-1.12	---	---	---	---	2.15	-0.34
21	3.27	-0.23	2.99	-0.58	2.46	-1.11	2.60	-1.08	3.21	-0.46	2.28	-0.37
22	3.34	-0.08	2.82	-0.80	2.41	-1.08	3.59	-0.56	2.82	-0.48	2.37	-0.64
23	3.58	0.07	---	---	3.14	-0.42	3.66	-0.66	2.56	-1.06	3.31	-0.65
24	4.06	0.33	3.32	-0.45	2.11	-0.99	3.88	-0.17	2.73	-0.82	3.40	-0.02
25	3.85	-0.12	3.62	-0.17	2.95	-0.63	2.69	-0.91	2.98	-0.46	2.92	-0.64
26	3.45	-0.51	2.21	-1.63	3.40	-0.03	3.55	-0.24	2.96	-0.97	3.03	-0.68
27	3.54	-0.67	2.66	-0.94	3.82	0.00	3.23	-0.39	1.94	-1.82	3.09	-0.68
28	3.38	-0.75	3.94	0.22	---	---	2.48	-0.82	3.39	-1.51	4.00	-0.60
29	3.14	-0.77	2.60	-0.45	1.84	-1.47	2.27	-0.84	---	---	4.18	0.14
30	3.34	-0.29	2.66	-0.47	2.23	-1.15	2.57	-0.43	---	---	---	---
31	3.08	-0.51	---	---	2.21	-0.94	2.90	-0.17	---	---	3.35	0.13
MONTH	4.06	-1.20	3.94	-1.63	4.52	-1.76	4.09	-1.58	3.91	-1.82	4.26	-2.77

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

[illegible]

RESERVOIRS IN CONNECTICUT RIVER BASIN

- 01185000 OTIS RESERVOIR.**--Lat 42°09'35", long 73°03'33", Berkshire County, Mass., Hydrologic Unit 01080207, on Fall River in West Branch Farmington River basin, 1 mi northeast of Cold Spring. Drainage area, 15.9 mi². Usable capacity, 780,000,000 ft³. Records available, April 1913 to current year. Completed in 1865 for storage of water for power. Records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks.
- 01185850 COLEBROOK RIVER LAKE.**--Lat 42°00'22", long 73°02'12", Litchfield County, Conn., Hydrologic Unit 01080207, on West Branch Farmington River, 1.6 mi upstream from West Branch Reservoir and 3.1 mi north of Riverton. Drainage area, 119 mi². Usable capacity, 4,213,000,000 ft³. Records available, June 1969 to current year. Completed in June 1969 for multi-purpose use. Records furnished by Corps of Engineers.
- 01185900 WEST BRANCH RESERVOIR.**--Lat 41°59'22", long 73°01'15", Hartford County, Hydrologic Unit 01080207, on West Branch Farmington River, 2 mi west of Hartland, and 2 mi north of Riverton. Drainage area, 127 mi². Usable capacity, 374,000,000 ft³. Records available, March 1960 to current year. Completed in April 1960 for future storage of water for municipal supply of Hartford. Presently used to compensate for water diverted from the river. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.
- 01186090 MAD RIVER DETENTION RESERVOIR.**--Lat 41°55'53", long 73°05'33", Litchfield County, Conn., Hydrologic Unit 01080207, on Mad River in West Branch Farmington River basin, 1.4 mi northwest of Winsted. Drainage area, 18.3 mi². Usable capacity, 423,000,000 ft³, including 8,000,000 ft³ storage in recreation pool. Records available, September 1964 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Operated and maintained by Parks and Recreation Unit of Connecticut Department of Environmental Protection. Records furnished by Corps of Engineers.
- 01186150 SUCKER BROOK RESERVOIR.**--Lat 41°54'90", long 73°06'00", Litchfield County, Conn., Hydrologic Unit 01080207, at mouth of Sucker Brook, a tributary of Highland Lake in West Branch Farmington River basin, 2 mi southwest of Winsted. Drainage area, 3.50 mi². Usable capacity, 64,500,000 ft³. Records available, February 1971 to current year. Completed in 1970 by Corps of Engineers for storage of water for flood control. Operated and maintained by Parks and Recreation Unit of Connecticut Department of Environmental Protection. Records furnished by Corps of Engineers.
- 01186160 HIGHLAND LAKE.**--Lat 41°55'22", long 73°04'58", Litchfield County, Conn., Hydrologic Unit 01080207, at head of the Lake Stream, a tributary of Mad River in West Branch Farmington River basin, at Winsted, and 0.4 mi upstream from Mad River. Drainage area, 7.05 mi². Usable capacity, 144,400,000 ft³, based on lake survey by Connecticut Board of Fisheries and Game. Records available, September 1936 to current year. Dam raised to its present crest elevation in 1875. Lake used for storage of water for power, recreation, and flood control. Capacity and contents figures computed by U.S. Geological Survey.
- 01187500 BARKHAMSTED RESERVOIR.**--Lat 41°54'38", long 72°57'15", Litchfield County, Conn., Hydrologic Unit 01080207, on East Branch Farmington River, 1.2 mi south of Barkhamsted. Drainage area, 52.5 mi². Usable capacity, 4,050,000,000 ft³. Records available, October 1950 to current year. For period March 1940 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1939 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.
- 01187600 EAST BRANCH RESERVOIR.**--Lat 41°52'49", long 72°57'30", Litchfield County, Conn., Hydrologic Unit 01080207, on East Branch Farmington River in Farmington River basin, 1 mi east of New Hartford. Drainage area, including Barkhamsted Reservoir, 61.2 mi². Usable capacity, 393,000,000 ft³. Records available, October 1950 to current year. For period August 1928 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1919 for storage of water to compensate for water diverted from the river for municipal supply of Hartford. Since the construction of West Branch Reservoir in April 1960, it has been used only for recreation. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.
- 01187900 NEPAUG RESERVOIR.**--Lat 41°49'37", long 72°56'34", Litchfield County, Conn., Hydrologic Unit 01080207, on Nepaug River in Farmington River basin, 1.5 mi northwest of Collinsville. Drainage area, 31.5 mi². Usable capacity, 1,270,000,000 ft³. Records available, August 1928 to current year. Completed in 1918 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.
- 01188500 WHIGVILLE RESERVOIR.**--Lat 41°44'08", long 72°57'02", Hartford County, Conn., Hydrologic Unit 01080207, on Whigville Brook in Pequabuck River basin, at Whigville. Drainage area, 4.10 mi². Usable capacity, 5,050,000 ft³. Records available, July 1928 to current year. Completed in 1908 for storage of water for municipal supply of New Britain. Records furnished by Board of Water Commissioners, New Britain, Conn.

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