

01118300 PENDLETON HILL BROOK NEAR CLARKS FALLS, CT

LOCATION.--Lat 41° 28' 29", long 71° 50' 05", New London County, Hydrologic Unit 01090005, on left bank just upstream from twin culverts on Grindstone Hill Rd., 0.1 mi west of State Rt. 49 in the township of North Stonington, 1.6 mi northwest of Clarks Falls, and 3.4 mi northeast of village of North Stonington.

DRAINAGE AREA.--4.02 mi².

PERIOD OF RECORD.--July 1958 to current year.

REVISED RECORDS.--WDR CT-85-1: 1982 (P).

GAGE.--Water-stage recorder. Datum of gage is 152.90 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 70 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 29	0115	*121	*4.00	Apr 3	0315	79	3.22

Minimum discharge, 0.02 ft³/s, Aug. 29, gage height, 0.70 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	7.4	2.4	37	12	e6.8	8.5	24	48	5.3	3.8	0.23	0.30
2	4.2	2.4	38	11	6.6	8.4	51	28	4.7	2.7	0.21	0.17
3	3.5	2.3	25	10	6.9	e7.6	65	21	4.3	1.6	0.18	0.11
4	2.7	3.0	19	20	15	e7.0	39	17	4.1	1.1	0.15	0.09
5	2.2	16	16	17	12	e6.6	28	15	3.7	0.91	0.14	0.08
6	1.8	8.5	14	15	12	e6.5	24	13	3.2	0.95	0.13	0.07
7	1.5	5.4	17	15	12	7.6	20	21	2.9	0.91	0.11	0.07
8	1.4	3.9	27	19	11	17	30	22	2.6	2.0	0.11	0.06
9	1.4	3.2	20	23	12	20	24	17	2.4	4.0	0.12	0.06
10	1.3	2.7	23	18	23	14	19	14	2.4	2.0	0.11	0.06
11	1.2	2.5	29	15	22	11	16	12	2.2	1.2	0.11	0.05
12	1.3	3.4	22	16	15	9.4	15	11	1.9	0.85	0.09	0.04
13	1.2	12	19	19	13	9.0	13	9.7	1.6	0.73	0.08	0.04
14	1.2	9.2	15	29	12	9.3	12	9.0	1.5	0.71	0.08	0.03
15	1.8	7.0	13	28	45	9.5	11	8.9	1.3	0.66	0.20	0.28
16	5.6	6.1	12	20	33	10	11	8.3	1.4	0.67	0.17	0.69
17	4.9	5.0	11	16	25	11	10	7.6	2.1	0.76	0.13	0.53
18	3.3	4.4	10	e12	19	11	9.4	7.2	1.6	0.93	0.10	0.65
19	9.6	4.0	9.7	e10	15	11	8.8	6.8	1.5	0.89	0.08	0.36
20	9.7	3.7	11	e10.5	e13	10	8.4	6.3	1.3	0.74	0.08	0.24
21	5.8	4.6	9.0	e9.8	e12	9.7	8.1	6.2	1.2	0.57	0.08	0.20
22	4.1	4.2	8.5	e9.0	e12	9.3	7.7	5.8	1.1	0.46	0.07	0.15
23	3.3	3.8	13	e8.6	e12	8.9	9.0	5.8	1.2	0.42	0.06	0.13
24	2.9	3.9	28	e8.3	e10	11	23	7.9	1.0	0.35	0.05	0.10
25	2.7	7.7	19	e7.9	e9.9	13	19	9.8	0.93	0.30	0.04	0.08
26	2.5	8.3	14	e7.6	e9.5	13	14	13	0.84	0.31	0.03	0.09
27	2.4	6.2	11	e7.4	e9.0	11	19	11	0.73	0.29	0.03	1.9
28	2.3	14	10	e7.2	e8.4	34	22	13	1.6	0.29	0.02	0.67
29	2.1	34	9.6	e7.1	---	82	16	8.8	1.7	0.26	0.02	0.44
30	2.2	20	9.6	e7.0	---	39	18	7.0	2.6	0.23	1.1	0.51
31	2.5	---	9.6	e6.9	---	28	---	5.9	---	0.23	0.58	---
TOTAL	100.0	213.8	529.0	422.3	412.1	463.3	594.4	397.0	64.90	31.82	4.69	8.25
MEAN	3.23	7.13	17.1	13.6	14.7	14.9	19.8	12.8	2.16	1.03	0.15	0.28
MAX	9.7	34	38	29	45	82	65	48	5.3	4.0	1.1	1.9
MIN	1.2	2.3	8.5	6.9	6.6	6.5	7.7	5.8	0.73	0.23	0.02	0.03
CFSM	0.80	1.77	4.24	3.39	3.66	3.72	4.93	3.19	0.54	0.26	0.04	0.07
IN.	0.93	1.98	4.90	3.91	3.81	4.29	5.50	3.67	0.60	0.29	0.04	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

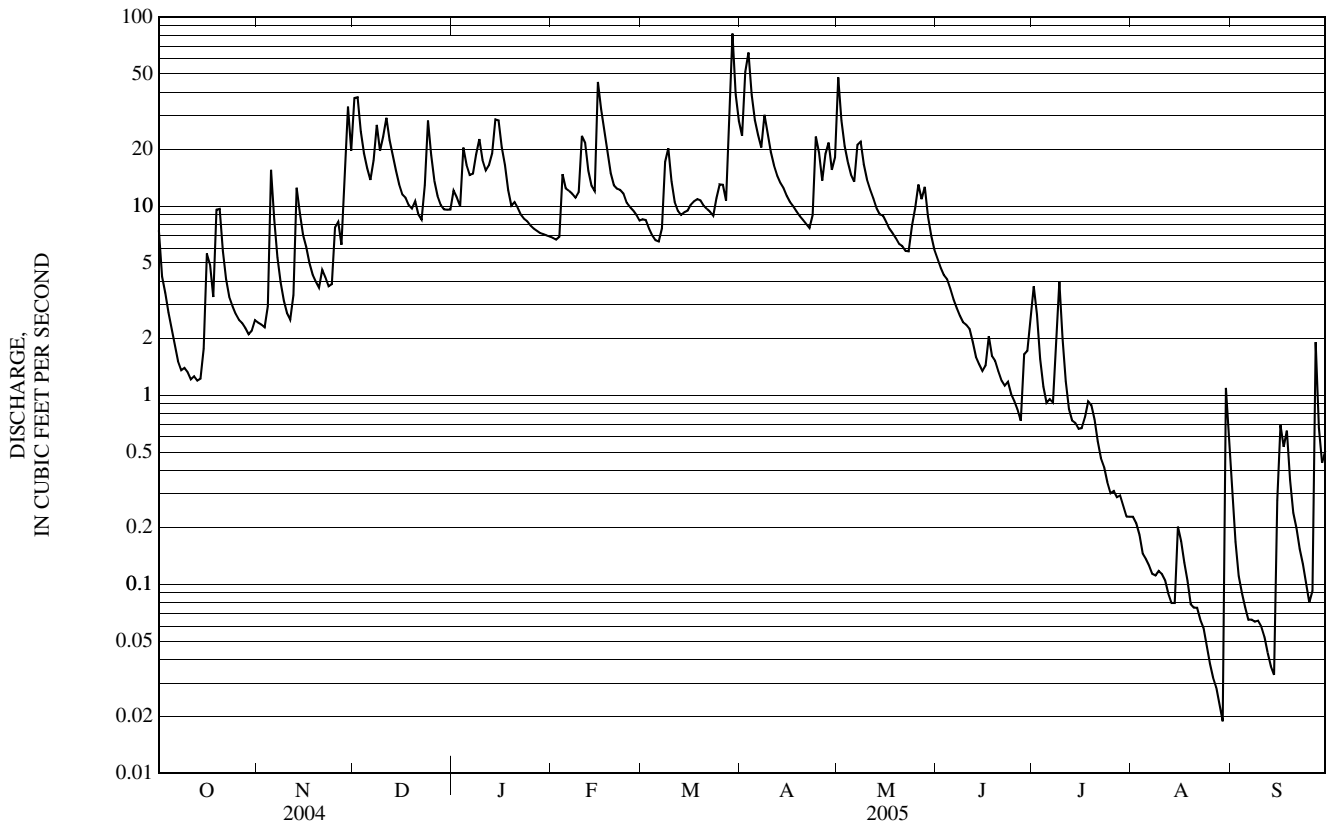
MEAN	3.75	7.80	12.0	11.9	12.3	16.3	15.7	10.5	6.63	2.51	2.05	2.12
MAX	14.9	19.7	28.8	43.6	22.3	31.5	48.2	23.2	32.4	10.5	12.4	10.4
(WY)	(1990)	(1973)	(1987)	(1979)	(1982)	(1994)	(1983)	(1979)	(1982)	(1959)	(1986)	(1961)
MIN	0.83	1.13	1.84	1.69	2.95	6.91	4.29	3.93	0.82	0.17	0.10	0.05
(WY)	(1964)	(1966)	(1966)	(1981)	(1980)	(1981)	(1999)	(1986)	(1999)	(1994)	(2002)	(1980)

e Estimated

01118300 PENDLETON HILL BROOK NEAR CLARKS FALLS, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1959 - 2005	
ANNUAL TOTAL	2,864.27		3,241.56			
ANNUAL MEAN	7.83		8.88		8.60	
HIGHEST ANNUAL MEAN					13.1	1984
LOWEST ANNUAL MEAN					4.30	1966
HIGHEST DAILY MEAN	125	Apr 14	82	Mar 29	251	Mar 18, 1968
LOWEST DAILY MEAN	0.26	Sep 6	0.02	Aug 28	0.01	Sep 9, 1980
ANNUAL SEVEN-DAY MINIMUM	0.33	Sep 2	0.04	Aug 23	0.01	Sep 9, 1980
MAXIMUM PEAK FLOW			121	Mar 29	375	Jun 5, 1982
MAXIMUM PEAK STAGE			4.00	Mar 29	6.73	Jun 5, 1982
INSTANTANEOUS LOW FLOW			0.02	Aug 29	0.00	Aug 22, 1987
ANNUAL RUNOFF (CFSM)	1.95		2.21		2.14	
ANNUAL RUNOFF (INCHES)	26.51		30.00		29.07	
10 PERCENT EXCEEDS	18		20		19	
50 PERCENT EXCEEDS	4.7		7.0		5.7	
90 PERCENT EXCEEDS	0.52		0.13		0.57	

a Also occurred Aug. 29.



POQUONOCK RIVER BASIN

01119040 POQUONOCK RIVER NEAR GROTON, CT

LOCATION.--Lat 41° 19'00", long 72° 03'43", New London County, Hydrologic Unit 01100003, at pier on east side of Avery Point, University of Connecticut, 2 mi south of Groton, at mouth of Poquonock River in Long Island Sound.

PERIOD OF RECORD.--January 1973 to current year.

GAGE.--Water-stage recorder. Datum of recording gage is sea level; datum of staff gage is 10.00 ft below sea level. Telephone telemetry at station. Prior to Apr. 30, 1982, at datum 7.98 ft higher; prior to May 4, 1986, at datum 7.20 ft higher.

REMARKS.--Records good, except for periods of missing record. Stage data in feet at 5-minute intervals available upon request.

EXTREMES FOR PERIOD OF RECORD.-- Maximum tidal elevation, 6.63 ft, Feb. 6, 1978; minimum, -5.02 ft, Feb. 2, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum tidal elevation, 9.7 ft, Sept. 21, 1938 at site 2.7 mi upstream on Thames River at New London Pier and at same datum, gage operated by National Ocean Survey.

EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.36 ft, May 25; minimum, -2.51 ft, Mar. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	2.34	-0.14	3.75	-0.98	1.73	-1.08	2.81	0.00	4.20	0.29
2	3.01	0.17	2.79	0.73	1.60	-0.52	1.79	-0.12	2.30	-0.13	2.82	-0.34
3	2.84	0.38	2.72	0.15	2.32	-0.26	2.17	-0.50	2.90	0.14	2.13	-0.60
4	2.78	0.47	2.74	0.92	2.16	0.32	2.02	-0.12	2.84	0.23	1.84	-0.29
5	2.35	0.27	---	---	1.92	-0.68	2.57	-0.31	3.21	-0.26	1.88	-0.49
6	1.97	0.03	1.43	-0.76	1.90	0.07	2.92	0.17	2.98	-0.43	2.33	-0.34
7	1.85	0.11	2.50	-0.53	2.84	0.52	2.80	-1.25	3.34	-0.54	2.80	-0.33
8	---	---	---	---	3.44	-0.63	2.98	-0.60	3.21	-0.83	3.42	-1.12
9	---	---	---	---	2.35	-0.89	2.89	-0.90	3.48	-0.73	0.87	-2.51
10	2.42	0.12	2.64	-0.69	4.21	0.18	3.50	-1.04	---	---	2.53	-1.71
11	2.66	0.03	2.86	-0.95	4.24	0.10	2.98	-1.16	2.52	-0.87	3.33	-0.77
12	3.19	0.17	3.40	-0.67	3.55	-0.82	3.98	-0.40	2.54	-0.79	3.31	-0.35
13	3.32	-0.14	3.49	-0.74	3.77	-0.61	3.36	-0.37	2.57	-0.61	3.22	0.18
14	3.77	0.08	3.39	-0.64	2.96	-1.14	2.99	-1.14	2.53	-0.48	2.66	-0.68
15	3.88	0.17	3.33	-0.50	2.62	-0.93	2.04	-0.67	3.30	-0.15	2.29	-0.70
16	3.15	-0.38	3.35	-0.21	2.64	-0.60	2.39	-0.15	2.12	0.12	2.49	-0.36
17	2.82	-0.79	3.18	-0.20	2.12	-1.27	3.47	0.03	1.86	0.14	2.05	0.29
18	2.86	-0.54	2.83	-0.10	2.05	-0.16	1.87	-1.24	2.00	-0.33	2.18	0.34
19	3.40	0.17	2.47	-0.19	3.01	0.51	2.50	-0.06	1.78	-0.33	1.79	-0.04
20	3.33	0.27	2.39	0.07	3.09	-0.64	2.49	-0.25	1.36	-0.53	2.02	0.22
21	3.07	0.27	2.88	0.04	2.28	-0.53	2.49	-0.38	2.74	-0.04	2.16	0.25
22	3.19	0.59	2.75	-0.19	2.31	-0.53	3.17	-0.03	2.62	0.13	2.26	0.04
23	3.48	0.77	2.87	-0.18	3.06	0.02	3.89	0.15	2.49	-0.40	3.03	-0.13
24	3.95	0.98	3.29	0.05	1.90	-0.57	3.86	0.54	2.60	-0.31	3.35	0.60
25	3.74	0.46	3.53	-0.29	2.67	-0.46	2.37	-0.34	2.85	0.12	2.88	-0.11
26	3.31	0.13	2.06	-1.14	3.04	0.20	3.40	0.45	2.36	-0.39	2.93	-0.22
27	3.44	-0.03	2.52	-0.52	3.69	0.39	3.12	0.31	1.60	-1.35	3.02	-0.20
28	3.28	-0.18	3.61	0.58	1.63	-1.31	2.32	-0.22	4.07	-0.97	4.00	-0.09
29	---	---	2.42	0.03	1.67	-1.01	2.35	-0.19	---	---	3.79	0.38
30	3.33	0.35	2.50	0.02	2.08	-0.62	2.63	0.18	---	---	3.23	-0.11
31	3.23	0.12	---	---	2.03	-0.37	2.76	0.51	---	---	3.02	-0.12
MONTH	3.95	-0.79	3.61	-1.14	4.24	-1.31	3.98	-1.25	4.07	-1.35	4.20	-2.51

01119375 WILLIMANTIC RIVER AT MERROW, CT

LOCATION.--Lat 41° 50'07", long 72° 18'38", Tolland County, Hydrologic Unit 01100002, at bridge on State Rt. 195, 0.7 mi upstream from Merrow, 0.8 mi downstream from Newcomb Brook, and 1.5 mi upstream from Winding Brook.

DRAINAGE AREA.--94.0 mi².

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

REMARKS.--Discharges shown for this location are computed by determining the discharge for station 01119384, 2.0 mi downstream, and adjusting its discharge by multiplying by a factor of 0.98, which is the ratio of the two stations' drainage areas.

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrcrtd 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)
NOV 17...	1345	90	1.1	12.9	100	7.1	120	10.5	4.5	21	5.18	1.97	2.03
JAN 11...	1330	386	1.2	13.9	100	7.2	105	.5	2.0	16	3.96	1.58	1.20
MAR 07...	1230	138	.7	13.4	109	7.4	119	11.0	3.0	20	4.93	1.80	1.34
MAY 16...	1215	228	1.6	10.2	101	7.0	104	14.0	14.0	17	4.11	1.63	1.32
JUN 29...	1130	31	1.4	8.7	104	7.4	179	27.5	23.0	27	6.85	2.35	3.14
JUL 13...	1315	62	1.8	8.7	101	7.2	115	23.0	22.5	19	4.78	1.62	1.62
AUG 15...	1315	29	1.3	8.1	96	7.5	172	27.0	23.5	29	7.62	2.41	3.35
SEP 12...	1115	13	.6	9.3	99	7.4	238	24.5	18.0	35	9.43	2.76	6.07

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

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, titr., 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)
NOV 17...	12.3	8	10	18.6	<.1	10.8	11.0	77d	84d	.18	.20	<.04	.36
JAN 11...	11.1	6	8	16.7	<.1	9.82	9.3	55	64	.17	.18	E.04n	.29
MAR 07...	12.6	6	8	19.9	E.1n	10.3	9.8	72	67	.17	.19	.05	.40
MAY 16...	11.0	7	9	17.6	<.1	6.48	8.5	60	63	.22	.23	<.04	.24
JUN 29...	19.9	11	13	29.0	E.1n	8.71	17.4	107	108	.39	.34	<.04	.74
JUL 13...	12.3	8	9	18.6	<.1	6.80	9.9	80	78	.39	.41	<.04	.20
AUG 15...	18.2	14	17	28.2	E.1n	5.35	14.7	90	94	.32	.31	E.03n	.35
SEP 12...	25.2	15	19	37.7	.1	4.53	23.8	114	121	.53	.45	<.04	1.12

01119375 WILLIMANTIC RIVER AT MERROW, CT—Continued

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)	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, water, 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)	Beryllium, water, fltrd, ug/L (01010)
NOV 17...	<.008	--	.56	<.02	.005	.012	3.9	8k	9k	27	<.20	10	<.06
JAN 11...	E.005n	--	.48	<.02	.005	.015	3.3	69	67k	44	<.20	10	<.06
MAR 07...	<.008	.14	.60	<.02	.004	.010	2.1	7k	55	28	<.20	10	<.06
MAY 16...	<.008	--	.47	<.02	.006	.022	3.9	67	74k	28	<.20	11	<.06
JUN 29...	E.004n	--	1.1	E.01n	.031	.049	4.5	140	140	19	<.20	12	<.06
JUL 13...	<.008	--	.61	<.02	.022	.039	6.7	68	73	49	<.20	9	E.04n
AUG 15...	<.008	--	.65	<.02	.012	.025	4.2	260	180	14	<.20	9	<.06
SEP 12...	<.008	--	1.6	<.02	.021	.028	4.4	54	50	8	<.20	13	<.06

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

Date	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)
NOV 17...	<.04	<.8	.143	.9	163	.15	18.1	<.4	1.26	<.2	6.2	<.04
JAN 11...	<.04	<.8	.249	.7	84	.10	26.2	<.4	1.29	<.2	7.9	<.04
MAR 07...	E.03n	<.8	.349	.8	53	E.06n	35.2	<.4	1.44	<.2	11.8	<.04
MAY 16...	<.04	<.8	.176	.9	89	.15	25.8	<.4	1.32	<.2	7.5	<.04
JUN 29...	<.04	<.8	.149	1.7	182	.23	18.6	<.4	1.96	<.2	8.9	<.04
JUL 13...	<.04	E.4n	.161	1.5	418	.52	20.9	<.4	1.64	<.2	4.3	E.03n
AUG 15...	<.04	E.4n	.115	1.3	114	.12	21.0	<.4	1.69	<.2	1.8	<.04
SEP 12...	<.04	.24oc	.120	1.5	70	.13	13.7	E.2n	2.00	<.2	3.6	<.04

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

THAMES RIVER BASIN

01119500 WILLIMANTIC RIVER NEAR COVENTRY, CT

LOCATION.--Lat 41° 45'02", long 72° 15'58", Tolland County, Hydrologic Unit 01100002, on left bank 700 ft upstream from bridge on State Rt. 31, 1 mi downstream from Mill Brook, 2.4 mi southeast of South Coventry, 2.8 mi upstream from Hop River and 6.3 mi upstream from mouth.

DRAINAGE AREA.--121 mi².

PERIOD OF RECORD.--Discharge: September 1931 to current year. Water-quality records: Water years 1956-57, 1963-64, 1975-80.

REVISED RECORDS.--WSP 781: 1934 (m). WSP 851: 1935-36. WSP 1201: 1932 (M,m), 1933-34, 1937, 1939-42. WDR 79-1: 1978 (m). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 239.05 ft above sea level (levels by Corps of Engineers). Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Effects of flood-control dams in the Middle River Basin (Ellithorpe Reservoir Dam No. 5, Ellis Reservoir Dam No. 2, Whitney Reservoir Dam No. 1, Shenipsit Reservoir Dam No. 6, Pomeroy Reservoir Dam No. 3, and Bradway Reservoir Dam No. 4) on peak flows are minor. Usable storage at the gaging station from flood control is about 31 acre-feet per square mile. The natural flow of stream can be altered by regulation from Staffordville Reservoir and the flood-control dams.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 24	0245	1,270	6.69	Apr 3	1430	1,930	7.84
Jan 14	2315	*2,110	*8.11	Apr 24	0800	1,780	7.62
Mar 29	0645	1,510	7.15				

Minimum discharge, 11 ft³/s, Sep. 26, gage height, 2.36 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	406	117	533	331	e260	e245	593	530	163	75	26	26
2	298	109	684	319	e250	e235	820	462	144	65	25	25
3	e253	98	471	322	e230	e210	1,780	448	132	56	25	22
4	e205	101	382	540	e235	e190	1,260	401	122	48	22	18
5	e176	240	325	486	e245	e185	853	357	111	42	21	16
6	e157	209	290	425	e240	e190	648	325	101	54	29	16
7	145	175	312	404	e245	e200	550	339	92	84	40	15
8	137	e140	481	467	e240	314	689	403	84	114	30	14
9	e123	e128	407	593	254	e310	588	362	76	556	25	14
10	e114	121	446	464	372	e235	484	319	72	360	30	13
11	e103	113	687	430	437	e210	423	286	70	203	22	13
12	e96	108	553	417	342	e195	382	260	76	133	20	13
13	e99	122	435	461	291	e198	358	233	235	98	18	13
14	e98	120	389	1,410	258	e205	338	221	145	76	29	14
15	e108	117	333	1,640	723	217	313	218	106	66	44	37
16	e303	127	306	944	721	222	292	268	96	60	35	51
17	e235	127	299	696	783	226	279	275	155	55	28	34
18	e150	124	281	e470	573	231	264	218	130	53	23	33
19	e173	119	267	e430	e400	238	251	187	103	52	20	29
20	215	114	265	e410	e330	241	239	176	85	50	19	24
21	183	139	e270	e380	e315	255	231	168	73	47	20	21
22	159	144	e260	e360	e310	275	213	161	66	41	24	18
23	144	135	371	e350	e295	286	471	160	61	46	21	17
24	135	131	1,100	e390	e285	289	1,660	192	56	42	18	14
25	131	294	657	e350	e275	296	1,080	254	51	37	18	12
26	123	292	e450	e340	e260	309	669	260	47	36	17	13
27	116	218	e385	e310	e250	295	564	272	44	38	15	20
28	113	317	e355	e290	e240	504	549	379	44	43	15	24
29	114	585	e330	e280	---	1,370	490	271	56	32	19	27
30	110	404	e315	e270	---	1,030	435	212	89	29	23	39
31	112	---	304	e265	---	730	---	185	---	27	25	---
TOTAL	5,034	5,288	12,943	15,244	9,659	10,136	17,766	8,802	2,885	2,718	746	645
MEAN	162	176	418	492	345	327	592	284	96.2	87.7	24.1	21.5
MAX	406	585	1,100	1,640	783	1,370	1,780	530	235	556	44	51
MIN	96	98	260	265	230	185	213	160	44	27	15	12

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

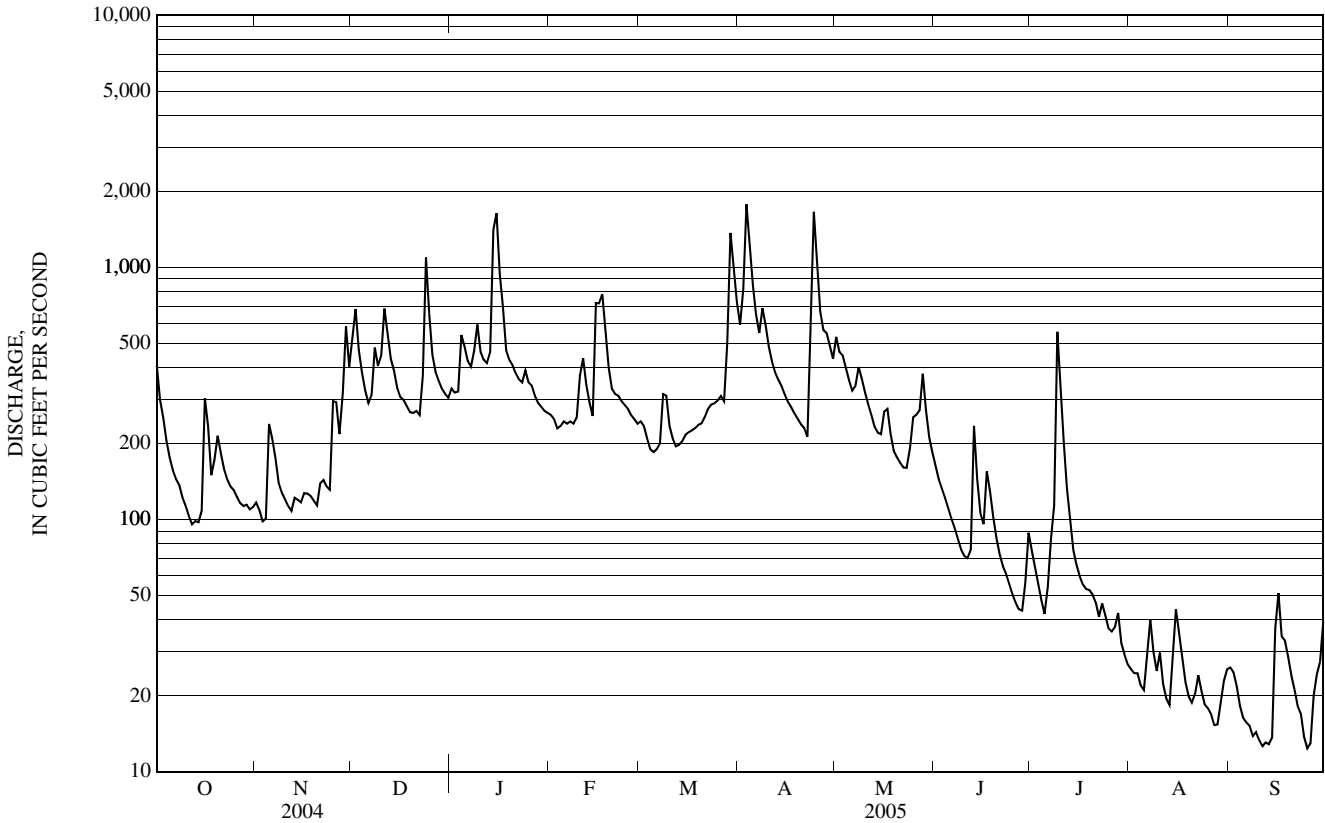
MEAN	116	184	243	267	264	409	402	261	181	91.1	87.9	97.3
MAX	606	631	761	929	619	1,050	897	596	869	421	972	1,176
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1940)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	15.5	25.4	55.2	35.6	77.7	174	145	108	35.9	22.2	12.4	14.5
(WY)	(1958)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1957)	(1999)	(1957)	(1999)	(1957)

e Estimated

01119500 WILLIMANTIC RIVER NEAR COVENTRY, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	85,131		91,866		216	
ANNUAL MEAN	233		252		370	
HIGHEST ANNUAL MEAN					1938	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	1,710	Apr 14	1,780	Apr 3	12,900	Sep 21, 1938
LOWEST DAILY MEAN	30	Jul 23	12	Sep 25	2.5	Sep 18, 1949
ANNUAL SEVEN-DAY MINIMUM	39	Aug 8	13	Sep 8	7.6	Aug 30, 1999
MAXIMUM PEAK FLOW			2,110	Jan 14	a24,200	Aug 19, 1955
MAXIMUM PEAK STAGE			8.11	Jan 14	b18.66	Aug 19, 1955
INSTANTANEOUS LOW FLOW			11	Sep 26	2.0	Aug 21, 1949
10 PERCENT EXCEEDS	447		514		450	
50 PERCENT EXCEEDS	176		210		148	
90 PERCENT EXCEEDS	59		24		34	

- a From rating curve extended above 3,600 ft³/s on basis of computation of flow over dam at gage height 12.2 ft., and from contracted opening measurement of peak flow.
- b From floodmarks.



01120800 NATCHAUG RIVER AT CHAPLIN, CT

LOCATION.--Lat 41° 48'03", long 72° 07'07", Windham County, Hydrologic Unit 01100002, on left bank at upstream side of bridge on Bear Hill Rd., northeast of Chaplin.

DRAINAGE AREA.--67.9 mi².

PERIOD OF RECORD.--May 1962 to September 1964, March 1995 to current year. Discharge: March 6, 1998 to September 1999.

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

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd 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)
NOV 17...	1100	74	.8	13.5	99	7.0	77	12.0	2.5	18	4.31	1.70	1.11
JAN 11...	1030	240	.8	13.9	99	6.9	72	5.0	1.5	14	3.45	1.38	.86
MAR 07...	0900	109	.5	13.9	101	6.9	80	8.0	1.5	17	4.18	1.54	.91
MAY 16...	0845	103	.8	10.1	98	7.1	76	12.5	13.5	16	3.77	1.49	.85
JUN 29...	0900	21	.8	8.7	100	7.3	102	26.5	22.0	22	5.49	1.98	1.36
JUL 13...	1100	41	1.2	8.8	101	7.1	88	20.5	22.0	18	4.58	1.61	.99
AUG 15...	0945	9.1	.5	7.4	88	7.4	122	15.5	23.5	25	6.38	2.12	1.60
SEP 12...	0845	2.1	.4	9.3	94	7.4	121	21.0	15.5	28	7.44	2.32	1.80

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)
NOV 17...	6.23	11	13	10.6	<.1	10.6	4.7	58d	60d	.16	.20	<.04	.16
JAN 11...	6.42	7	9	9.66	<.1	9.11	5.8	43	49	.11	.12	<.04	.17
MAR 07...	6.61	8	9	11.1	<.1	9.46	6.2	59	46	.11	.15	<.04	.26
MAY 16...	7.02	9	11	11.0	<.1	5.46	5.2	53	49	.27	.20	<.04	.12
JUN 29...	8.83	14	17	14.7	E.1n	8.15	5.3	69	63	.31	.26	<.04	.30
JUL 13...	8.19	11	13	13.0	<.1	6.15	4.7	59	63	.31	.31	<.04	.07
AUG 15...	9.67	18	22	15.2	<.1	4.84	5.5	64	60	.28	.24	<.04	.11
SEP 12...	9.35	19	23	16.9	E.1n	5.67	6.3	58	56	.20	.14	<.04	.10

01120800 NATCHAUG RIVER AT CHAPLIN, CT—Continued

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)	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, water, 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)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)
NOV 17...	<.008	.36	<.02	.006	.008	4.8	8k	26	28	<.20	6	<.06	<.04
JAN 11...	E.004n	.29	<.02	.013	.008	3.7	10	18	36	<.20	6	<.06	<.04
MAR 07...	<.008	.41	<.02	E.003n	.007	2.4	11	8k	22	<.20	5	<.06	<.04
MAY 16...	<.008	.33	<.02	.006	.014	3.9	15	20	24	<.20	6	<.06	<.04
JUN 29...	<.008	.56	<.02	.014	.019	4.4	130	110	22	<.20	7	<.06	<.04
JUL 13...	<.008	.38	<.02	.010	.022	6.0	150	120	27	<.20	5	<.06	<.04
AUG 15...	<.008	.35	<.02	.006	.011	3.7	280	250k	8	<.20	5	<.06	<.04
SEP 12...	<.008	.24	<.02	.006	.006	2.9	28	31	6	<.20	5	<.06	<.04

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

Date	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)
NOV 17...	<.8	.053	E.3n	166	E.07n	6.7	<.4	.35	<.2	.9	.04
JAN 11...	<.8	.062	E.3n	82	E.04n	9.6	<.4	.37	<.2	1.1	E.03n
MAR 07...	<.8	.057	E.3n	69	E.04n	9.5	<.4	.24	<.2	1.4	<.04
MAY 16...	<.8	.063	1.0	106	E.07n	7.6	<.4	.45	<.2	.7	E.03n
JUN 29...	<.8	.079	.6	271	.17	10.5	E.2n	.57	<.2	.7	.05
JUL 13...	<.8	.070	.8	226	.14	8.9	<.4	.73	<.2	6.8	E.04n
AUG 15...	<.8	.067	E.4n	67	<.08	18.0	E.3n	.54	<.2	E.4n	<.04
SEP 12...	.09oc	.053	1.0	39	E.05n	9.9	E.3n	.53	<.2	1.6	<.04

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

01121000 MOUNT HOPE RIVER NEAR WARRENVILLE, CT

LOCATION.--Lat 41° 50'37", long 72° 10'10", Windham County, Hydrologic Unit 01100002, on left bank 250 ft downstream from Knowlton Brook, 700 ft upstream from bridge on State Rt. 89, 1.8 mi south of Warrenville, and 3.2 mi southwest of Ashford.

DRAINAGE AREA.--28.6 mi².

PERIOD OF RECORD.--July 1940 to current year.

REVISED RECORDS.--WSP 1331: 1941, 1951-53(M). WSP 1721: Drainage area. WDR CT-75-1: 1974 (P).

GAGE.--Water-stage recorder. Datum of gage is 335.68 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Chemical analyses available for water year 1959 (WSP 1641).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1938 reached a stage of about 14.5 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 28	2200	492	4.60	Feb 16	2200	436	4.36
Dec 1	1715	459	4.46	Mar 29	0515	674	5.32
Dec 24	0045	671	5.31	Apr 3	0500	*1,040	*6.56
Jan 14	1700	1,020	6.49	Apr 24	0415	752	5.60

Minimum discharge, 0.04 ft³/s, Sep. 11, 12, gage height, 0.75 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	75	23	233	68	e56	e48	108	147	34	11	0.75	1.4
2	57	19	181	63	e55	e47	275	107	31	9.1	0.71	0.67
3	48	19	103	69	e54	e46	690	105	27	6.2	0.59	0.36
4	38	25	81	145	72	e45	279	88	25	4.3	0.48	0.31
5	32	81	71	100	71	e43	160	77	22	3.4	0.40	0.19
6	28	49	63	86	66	e43	125	71	19	7.4	0.42	0.14
7	25	35	82	83	59	e44	116	89	17	13	0.41	0.08
8	23	29	149	128	51	81	193	106	15	32	0.33	e0.08
9	23	25	95	144	52	88	128	81	13	71	e0.32	0.08
10	30	22	133	100	89	e100	101	69	12	32	2.9	0.06
11	30	22	242	90	83	97	88	59	12	16	0.85	0.05
12	29	22	130	90	65	66	80	53	18	10	0.49	0.05
13	33	28	98	101	55	51	73	46	46	7.4	0.36	0.05
14	34	27	87	655	50	49	68	44	23	6.5	0.87	0.06
15	37	27	e69	385	295	50	63	43	16	6.0	3.4	1.6
16	103	30	e63	173	237	53	60	43	15	6.6	1.6	1.9
17	59	29	e58	128	242	55	60	40	32	6.3	1.0	1.1
18	44	27	e55	e107	123	58	56	36	22	8.1	0.67	1.5
19	56	25	e53	e92	e95	59	52	33	18	7.1	0.51	0.79
20	56	23	e57	e85	e78	56	51	31	14	5.1	0.42	0.43
21	45	36	e85	e79	e67	62	51	30	11	3.6	0.55	0.35
22	39	33	e66	e74	e62	68	47	28	9.7	2.5	1.2	0.26
23	34	28	135	e70	e59	65	230	28	9.1	2.5	0.73	0.21
24	26	28	355	e68	e56	65	553	39	7.2	2.0	0.45	0.16
25	24	78	124	e65	e54	70	206	63	6.2	1.6	0.33	0.13
26	23	60	e83	e63	e53	75	136	69	5.2	1.6	0.23	0.19
27	22	44	e74	e61	e51	69	146	70	4.4	1.3	0.20	0.74
28	20	150	e68	e60	e50	209	146	117	4.5	1.3	0.17	0.88
29	20	230	e64	e59	---	494	121	63	8.6	1.1	0.21	1.1
30	22	100	e61	e58	---	199	110	47	15	0.97	0.25	2.0
31	25	---	59	e57	---	130	---	38	---	0.84	0.78	---
TOTAL	1,160	1,374	3,277	3,606	2,400	2,685	4,572	1,960	511.9	287.81	22.58	16.92
MEAN	37.4	45.8	106	116	85.7	86.6	152	63.2	17.1	9.28	0.73	0.56
MAX	103	230	355	655	295	494	690	147	46	71	3.4	2.0
MIN	20	19	53	57	50	43	47	28	4.4	0.84	0.17	0.05
CFSM	1.31	1.60	3.70	4.07	3.00	3.03	5.33	2.21	0.60	0.32	0.03	0.02
IN.	1.51	1.79	4.26	4.69	3.12	3.49	5.95	2.55	0.67	0.37	0.03	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

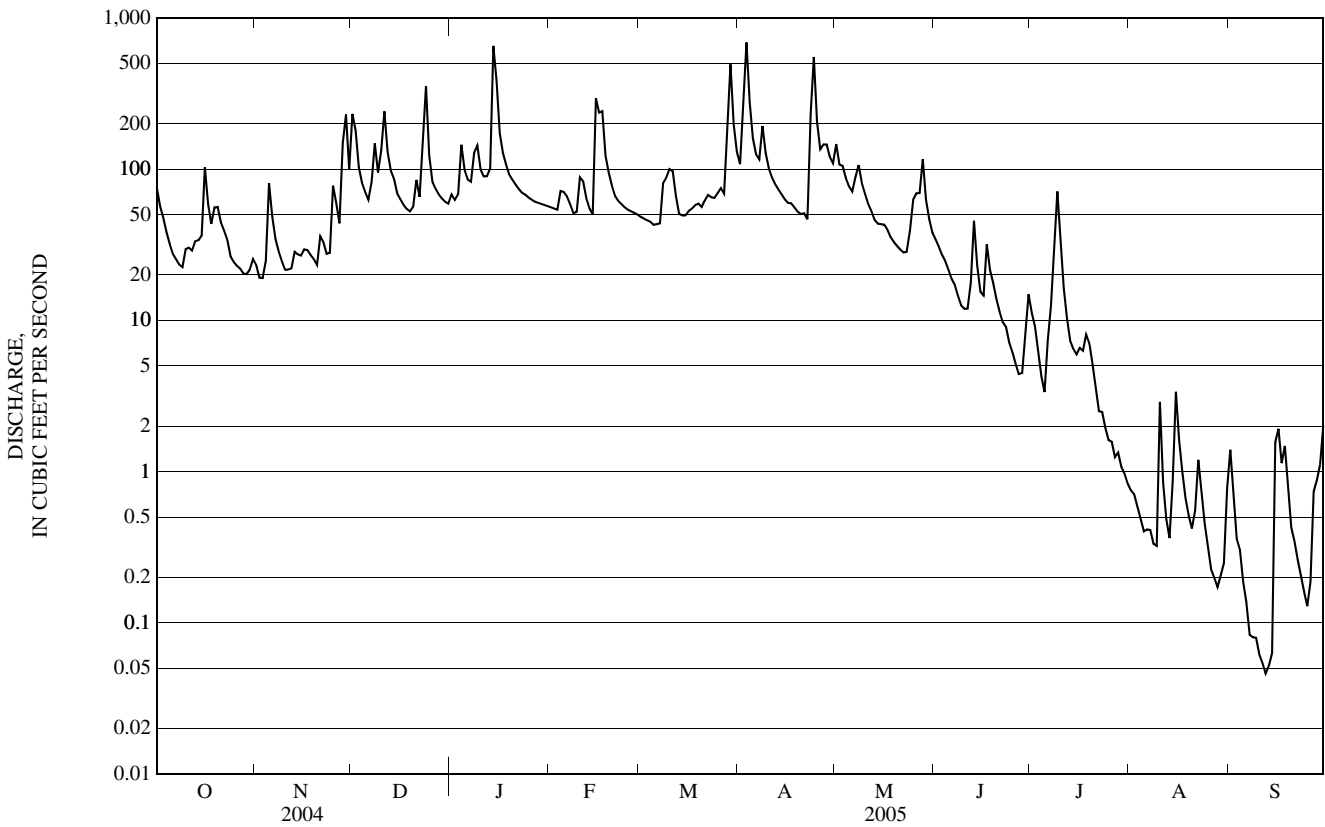
MEAN	26.6	46.5	63.2	69.4	71.7	108	94.8	60.4	37.6	15.1	15.9	16.1
MAX	144	131	200	264	203	219	197	119	207	60.4	148	118
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1972)	(1983)	(1984)	(1982)	(1972)	(1955)	(1954)
MIN	3.44	4.27	12.4	12.0	16.2	47.4	29.7	19.0	4.99	1.35	0.73	0.56
(WY)	(1958)	(2002)	(2002)	(1981)	(1980)	(1981)	(1985)	(1957)	(1957)	(1957)	(2005)	(2005)

e Estimated

01121000 MOUNT HOPE RIVER NEAR WARRENVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1941 - 2005	
ANNUAL TOTAL	21,894.4		21,873.21			
ANNUAL MEAN	59.8		59.9		52.0	
HIGHEST ANNUAL MEAN					75.0	1972
LOWEST ANNUAL MEAN					25.0	2002
HIGHEST DAILY MEAN	703	Apr 14	690	Apr 3	2,640	Aug 19, 1955
LOWEST DAILY MEAN	3.8	Sep 7	c0.05	Sep 11	0.05	Sep 11, 2005
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 2	0.06	Sep 8	0.06	Sep 8, 2005
MAXIMUM PEAK FLOW			1,040	Apr 3	a5,590	Aug 19, 1955
MAXIMUM PEAK STAGE			6.56	Apr 3	b10.41	Aug 19, 1955
INSTANTANEOUS LOW FLOW			0.04	Sep 11	0.04	Sep 11, 2005
ANNUAL RUNOFF (CFSM)	2.09		2.10		1.82	
ANNUAL RUNOFF (INCHES)	28.48		28.45		24.68	
10 PERCENT EXCEEDS	118		128		113	
50 PERCENT EXCEEDS	39		45		31	
90 PERCENT EXCEEDS	9.3		0.53		4.1	

- a From rating curve extended above 890 ft³/s on basis of contracted opening of peak flow.
- b From floodmarks in gage well.
- c Also occurred Sep. 12, 13.



01122000 NATCHAUG RIVER AT WILLIMANTIC, CT

LOCATION.--Lat 41°43'11", long 72°11'46", Windham County, Hydrologic Unit 01100002, on left bank at upstream side of bridge on State Rt. 66, 1 mi northeast of Willimantic, 1.6 mi upstream from mouth, and 3.7 mi downstream from Mansfield Hollow Dam.

DRAINAGE AREA.--174 mi².

PERIOD OF RECORD.--Discharge: October 1930 to September 1989, October 1995 to current year. Water-quality records: Water years 1954, 1958, 1968.

REVISED RECORDS.--WSP 1301: 1934-35(M), 1937(M). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 150.31 ft above sea level (levels by Corps of Engineers). Oct. 6, 1930, to June 6, 1974, water-stage recorder on right bank 500 ft upstream at same datum. June 6, 1974 to Aug. 26, 1975, staff gage at present site and datum. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good including those for periods of estimated daily discharge. Peak flows are affected by flood-control regulation at Mansfield Hollow Dam since March 1952. The natural flow regime can be altered by regulation from Mansfield Hollow Dam and Willimantic Reservoir. City of Willimantic diverts flow for municipal supply from Willimantic Reservoir, which is located about 2 mi upstream from the gaging station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,380 ft³/s, Apr. 4, gage height, 7.42 ft; minimum discharge, 17 ft³/s, Sep. 14, gage height, 1.05 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	671	250	1,080	397	353	367	887	655	445	67	51	39
2	580	212	1,060	416	334	361	655	654	244	66	51	36
3	565	159	949	418	324	343	1,190	652	196	64	50	36
4	481	164	691	579	330	296	2,070	611	196	64	50	36
5	316	224	674	681	335	273	2,250	566	193	63	49	35
6	167	250	647	679	339	285	1,850	556	191	69	41	35
7	166	250	535	663	342	290	1,370	556	190	64	39	35
8	166	246	637	671	342	342	1,030	557	187	78	39	36
9	168	243	723	694	344	407	780	553	150	155	39	35
10	168	236	682	690	388	415	770	545	114	322	38	31
11	168	220	680	683	466	398	690	456	113	259	39	28
12	167	203	680	676	471	382	551	351	113	196	37	23
13	169	206	807	671	435	363	498	301	115	134	38	19
14	170	203	897	1,050	402	343	458	286	118	76	38	18
15	178	200	649	1,510	743	311	372	287	117	81	38	27
16	200	197	422	1,720	951	301	332	284	122	78	39	26
17	186	197	422	1,620	1,190	266	333	283	122	79	36	27
18	247	196	420	1,480	1,180	238	333	281	122	81	36	29
19	327	192	418	936	873	246	331	278	122	89	35	28
20	319	185	417	585	761	251	329	239	118	82	35	27
21	295	192	408	558	640	259	328	208	117	78	38	27
22	273	205	402	487	475	264	325	209	117	79	37	27
23	273	204	528	460	401	357	409	208	115	79	36	26
24	270	202	709	474	411	444	500	214	114	76	37	23
25	268	240	702	437	412	418	1,170	223	111	76	37	21
26	268	258	697	451	391	395	1,680	289	110	69	35	23
27	263	260	763	449	384	392	1,570	359	93	57	36	26
28	261	325	898	e423	369	596	1,250	451	64	55	36	21
29	258	721	847	e392	---	1,300	794	599	75	52	35	24
30	257	1,080	560	381	---	1,980	642	583	68	51	47	24
31	254	---	364	373	---	1,580	---	561	---	51	41	---
TOTAL	8,519	7,920	20,368	21,704	14,386	14,463	25,747	12,855	4,272	2,890	1,233	848
MEAN	275	264	657	700	514	467	858	415	142	93.2	39.8	28.3
MAX	671	1,080	1,080	1,720	1,190	1,980	2,250	655	445	322	51	39
MIN	166	159	364	373	324	238	325	208	64	51	35	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

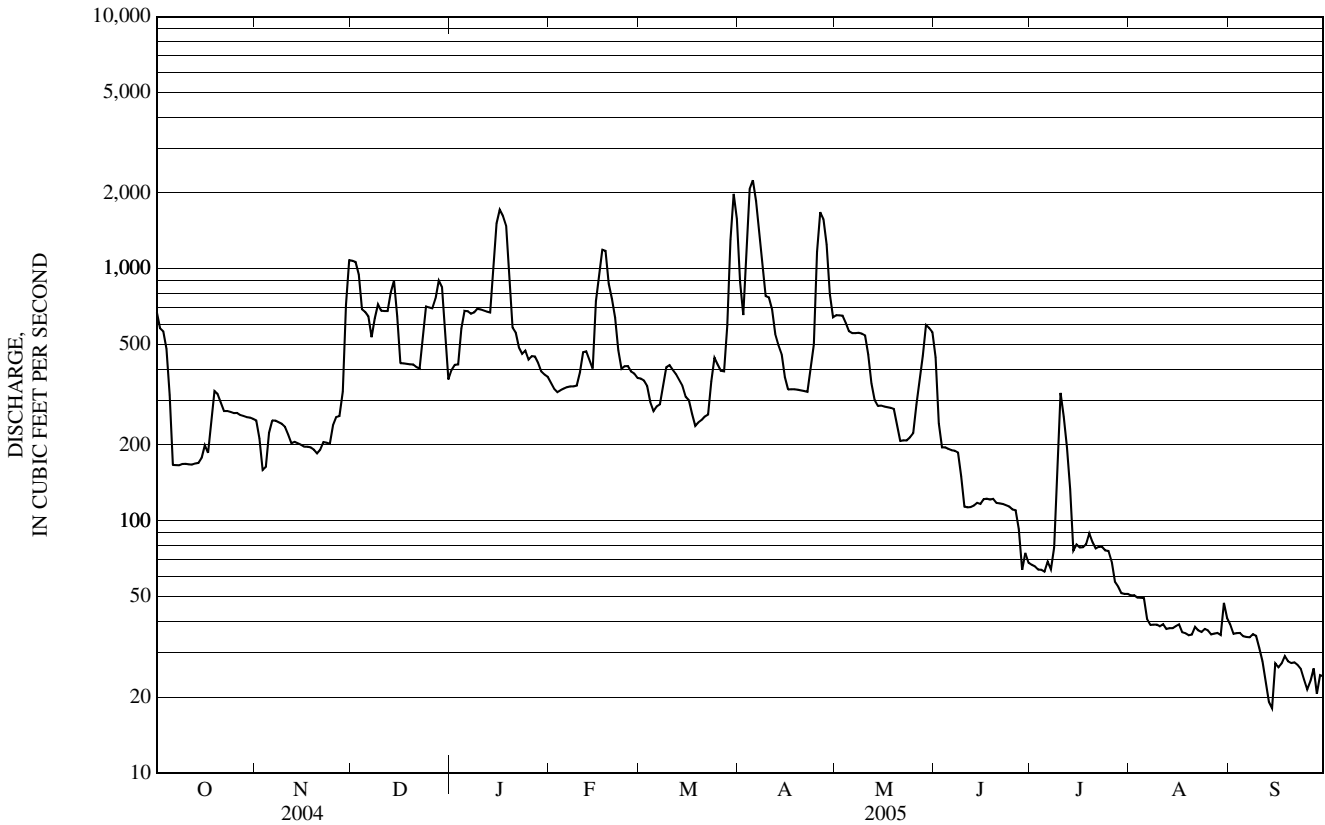
MEAN	150	262	353	377	389	608	585	356	243	113	95.3	123
MAX	880	844	1,082	1,183	932	1,681	1,315	676	1,298	887	836	1,523
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	19.3	31.0	70.0	61.6	88.9	245	194	119	35.3	11.8	10.3	11.2
(WY)	(1931)	(1932)	(1932)	(1981)	(1980)	(2002)	(1985)	(1957)	(1957)	(1957)	(1957)	(1943)

e Estimated

01122000 NATCHAUG RIVER AT WILLIMANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931 - 2005	
ANNUAL TOTAL	124,696		135,205		304	
ANNUAL MEAN	341		370		142	
HIGHEST ANNUAL MEAN					550 1938	
LOWEST ANNUAL MEAN					142 1965	
HIGHEST DAILY MEAN	2,530	Apr 16	2,250	Apr 5	18,200	Sep 21, 1938
LOWEST DAILY MEAN	64	Jul 2	18	Sep 14	2.3	Sep 11, 1943
ANNUAL SEVEN-DAY MINIMUM	65	Jun 28	23	Sep 24	3.9	Jul 25, 1949
MAXIMUM PEAK FLOW			2,380	Apr 4	a32,000	Sep 21, 1938
MAXIMUM PEAK STAGE			7.42	Apr 4	b16.39	Sep 21, 1938
INSTANTANEOUS LOW FLOW			17	Sep 14	0.30	Aug 6, 1937
10 PERCENT EXCEEDS	704		762		675	
50 PERCENT EXCEEDS	234		273		193	
90 PERCENT EXCEEDS	76		36		36	

a From computation of peak flow over dam 2 mi upstream.
 b From floodmarks.



01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CT

LOCATION.--Lat 41° 42'01", long 72° 10'57", Windham County, Hydrologic Unit 01100002, on right bank at downstream side of Bingham Bridge on Plains Rd., 500 ft upstream from Penn. Central Co. railroad bridge, 500 ft downstream from Potash Brook, 1.3 mi downstream from confluence of Willimantic and Natchaug Rivers, 1.5 mi southeast of Willimantic, and 17 mi upstream from mouth.

DRAINAGE AREA.--404 mi².

PERIOD OF RECORD.--Discharge: April 1904 to December 1905, October 1919 to September 1921, September 1928 to current year. Published as "at South Windham" October 1919 to September 1921, September 1928 to September 1933. Monthly discharge only for some periods, published in WSP 1301. Water-quality records: Water years 1957, 1968-74. Daily water temperature: Water year 1957. Daily specific conductance: Water year 1957. Daily pH: Water year 1957. Daily iron: Water year 1957.

REVISED RECORDS.--WSP 781: 1934(M). WSP 801: 1935. WSP 1201: 1905(M), 1920-21. WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder since Dec. 5, 1933. Datum of gage is 131.40 ft above sea level (levels by Corps of Engineers). Apr. 4, 1904, to Dec. 31, 1905, nonrecording gage at present site and about the same datum. October 1919 to Sep. 30, 1921, and Sep. 1, 1928 to Sep. 30, 1933, water-stage recorder at site 1.5 mi downstream at different datum. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Peak flows are affected by flood-control regulation from Mansfield Hollow Dam since March 1952. The natural flow regime can be altered by regulation from Mansfield Hollow Dam and Willimantic Reservoir. City of Willimantic diverts flow for municipal supply from Willimantic Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,760 ft³/s, Jan. 15, gage height, 9.16 ft; minimum discharge, 28 ft³/s, Sep. 14, 15, gage height, 1.47 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	1,470	496	2,040	994	e777	e800	1,970	1,670	771	179	73	54
2	1,140	457	2,590	993	e743	e780	2,130	1,530	504	158	70	49
3	1,000	380	1,910	977	e716	e680	4,420	1,470	420	139	68	48
4	868	378	1,410	1,590	762	e640	4,670	1,330	396	125	65	44
5	636	697	1,280	1,650	784	e620	3,900	1,190	374	114	63	42
6	442	676	1,180	1,500	790	e640	3,110	1,120	347	128	56	40
7	416	574	1,100	1,440	799	649	2,410	1,150	332	158	70	39
8	400	520	1,650	1,510	811	931	2,350	1,250	315	190	60	38
9	390	481	1,560	2,020	831	1,040	1,920	1,170	267	785	55	37
10	400	460	1,590	1,650	1,070	971	1,680	1,080	221	803	56	36
11	381	435	2,190	1,550	1,320	884	1,460	942	217	540	52	33
12	354	415	1,910	1,470	1,130	853	1,220	782	216	375	47	31
13	345	453	1,720	1,530	994	797	1,110	680	343	272	45	30
14	343	457	1,690	3,580	886	756	1,030	635	301	179	47	30
15	365	440	1,330	5,230	2,280	720	899	628	247	187	69	38
16	772	460	992	3,700	2,640	720	812	655	238	176	73	75
17	701	460	956	3,020	2,870	705	788	670	308	155	62	58
18	636	447	921	2,460	2,370	688	755	608	300	147	54	57
19	836	430	891	1,760	1,660	714	726	559	257	156	49	53
20	911	416	888	1,370	1,430	722	702	507	228	151	48	47
21	748	464	816	1,250	1,250	751	685	460	208	134	49	45
22	661	494	856	1,150	1,050	809	658	448	198	125	50	41
23	621	470	1,100	1,060	944	902	1,070	445	190	127	49	38
24	589	452	2,980	e1,070	910	991	4,120	491	180	121	46	39
25	567	793	2,140	e1,040	903	991	3,800	633	173	112	45	40
26	549	867	1,600	e1,000	e830	1,040	3,090	699	165	104	44	38
27	527	697	1,500	e980	e820	979	2,690	771	151	90	42	78
28	515	869	1,470	e920	e785	1,440	2,460	1,130	114	110	42	74
29	505	2,050	1,490	e860	---	4,270	1,790	1,070	148	93	41	72
30	500	1,920	1,160	e830	---	4,210	1,450	939	195	83	61	82
31	500	---	900	e806	---	3,010	---	858	---	77	54	---
TOTAL	19,088	18,608	45,810	50,960	33,155	34,703	59,875	27,570	8,324	6,293	1,705	1,426
MEAN	616	620	1,478	1,644	1,184	1,119	1,996	889	277	203	55.0	47.5
MAX	1,470	2,050	2,980	5,230	2,870	4,270	4,670	1,670	771	803	73	82
MIN	343	378	816	806	716	620	658	445	114	77	41	30

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

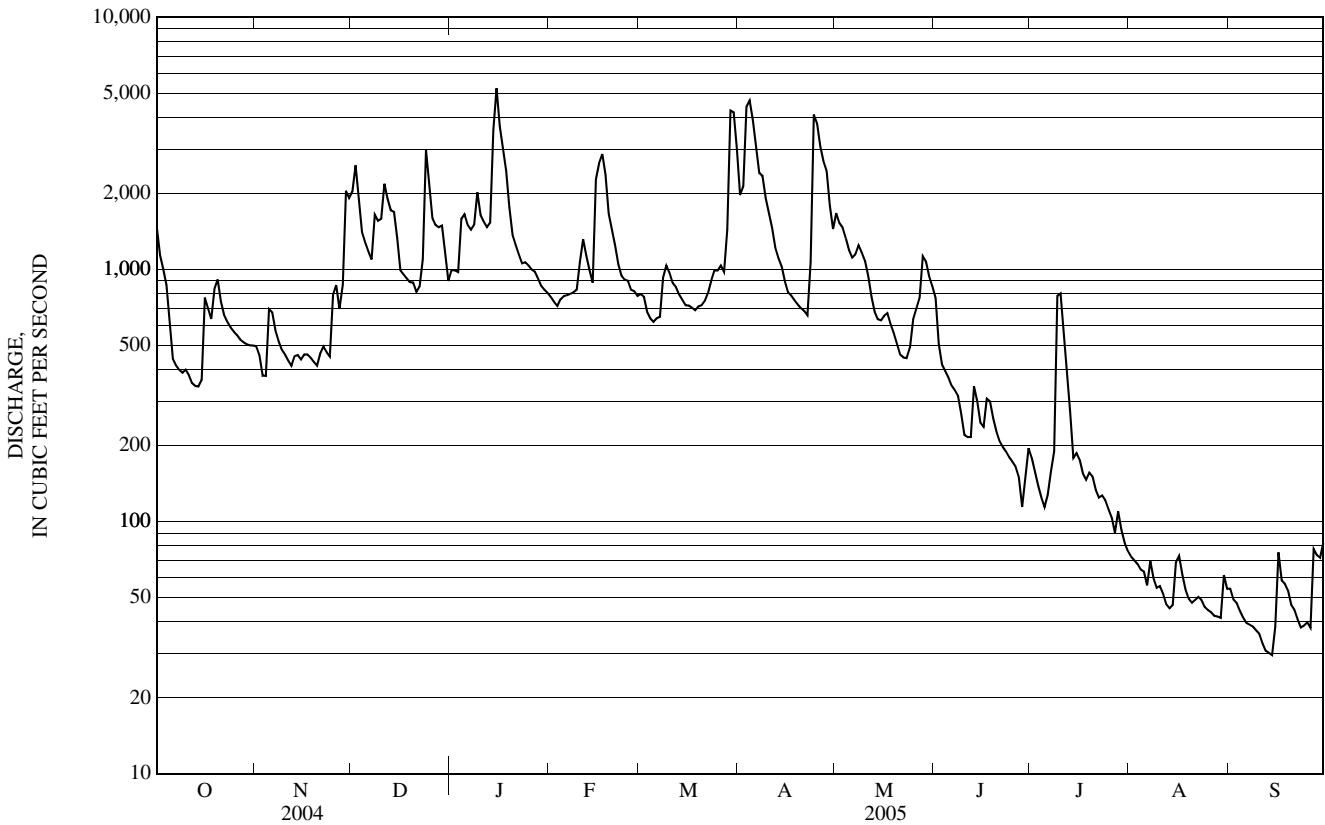
MEAN	384	624	834	900	904	1,417	1,359	849	564	265	241	291
MAX	2,246	2,156	2,667	2,945	2,246	3,949	2,943	1,814	2,911	1,755	2,114	3,571
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	49.4	85.0	170	132	236	563	454	319	110	48.6	44.5	45.0
(WY)	(1958)	(1932)	(1931)	(1981)	(1980)	(2002)	(1985)	(1957)	(1957)	(1957)	(1957)	(1957)

e Estimated

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	296,681		307,517			
ANNUAL MEAN	811		843		718	
HIGHEST ANNUAL MEAN					1,243	1938
LOWEST ANNUAL MEAN					337	1965
HIGHEST DAILY MEAN	5,470	Apr 14	5,230	Jan 15	35,500	Sep 21, 1938
LOWEST DAILY MEAN	135	Jul 23	c30	Sep 13	19	Aug 22, 1949
ANNUAL SEVEN-DAY MINIMUM	171	Sep 2	34	Sep 8	31	Sep 7, 1995
MAXIMUM PEAK FLOW			5,760	Jan 15	a52,200	Sep 21, 1938
MAXIMUM PEAK STAGE			9.16	Jan 15	b27.60	Sep 21, 1938
INSTANTANEOUS LOW FLOW			28	Sep 14	15	Aug 29, 1949
10 PERCENT EXCEEDS	1,630		1,840		1,590	
50 PERCENT EXCEEDS	538		680		465	
90 PERCENT EXCEEDS	212		53		103	

- a From rating curve extended above 11,000 ft³/s on basis of computation of peak flow over Scotland and Baltic Dams, 5 and 9 mi downstream, respectively, adjusted for flow from intervening area.
- b From floodmarks.
- c Also occurred Sep. 14.



01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT

LOCATION.--Lat 41° 40'56", long 72° 09'59", Windham County, Hydrologic Unit 01100002, at bridge on State Rt. 203, at South Windham, 0.8 mi downstream from Jordan Brook, and 1.8 mi upstream from Cold Brook.

DRAINAGE AREA.--408 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1980 to September 1992.

WATER TEMPERATURES: August 1980 to September 1992.

INSTRUMENTATION.--Water-quality monitor August 1980 to September 1992.

REMARKS.--Discharges shown for this location are computed by determining the discharge for station 01122500, 1.6 mi upstream, and adjusting its discharge by multiplying by a factor of 1.01, which is the ratio of the two stations' drainage areas.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 301 microsiemens May 21, 1982; minimum, 27 microsiemens Aug. 14, 1989.

WATER TEMPERATURES: Maximum, 29.0° C July 18, 19, 1982, Aug. 15, 1988; minimum, 0.0° C on many days during winter period.

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)
NOV 18...	1300	459	1.2	13.3	105	7.3	115	17.5	5.5	24	6.54	1.95	1.91
JAN 10...	1330	1,640	1.4	13.7	99	6.9	101	5.5	2.0	19	4.92	1.56	1.28
MAR 08...	1215	921	5.0	13.2	102	7.1	130	3.5	3.0	23	6.43	1.79	1.45c
MAY 17...	1215	687	1.4	10.4	108	7.1	110	22.0	17.0	21	5.52	1.69	1.40
JUN 21...	1230	210	1.5	9.1	103	7.2	129	30.0	21.5	27	7.16	2.11	1.98
JUL 28...	1230	123	1.3	9.8	120	7.5	148	23.5	25.5	29	8.39	2.03	2.41
AUG 25...	1100	44	.9	9.0	100	7.6	181	23.0	20.5	36	10.4	2.49	3.12
SEP 15...	1245	45	.9	8.3	96	7.4	217	23.5	23.5	41	12.4	2.54	4.22

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)	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)
NOV 18...	10.2	14	16	16.6	<.1	10.6	8.4	78d	75	.17	.23	<.04	.37
JAN 10...	9.93	9	11	15.3	<.1	9.37	7.6	62	58	.16	.18	<.04	.33
MAR 08...	12.6	12	15	20.8	<.1	9.95	8.7	72	71	.21	.24	.05	.50
MAY 17...	10.5	10	13	16.8	<.1	6.60	8.3	77	72	.25	.25	<.04	.28
JUN 21...	12.0	16	20	19.3	<.1	8.40	8.3	79	78	.31	.32	<.04	.43
JUL 28...	13.9	20	24	21.4	E.1n	4.87	10.3	84	92	.40	.35	<.04	.34
AUG 25...	17.3	24	29	26.2	.1	5.88	11.8	83	106	.40	.34	E.02n	.53
SEP 15...	21.6	27	33	30.4	.2	4.72	16.0	120	117	.34	.40	E.02n	1.08

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT—Continued

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)	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, water, 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)	Beryllium, water, fltrd, ug/L (01010)
NOV 18...	<.008	--	.60	<.02	.021	.029	4.0	23	33	23	<.20	9	<.06
JAN 10...	E.005n	--	.52	<.02	.007	.016	3.4	96k	88	31	<.20	8	<.06
MAR 08...	<.008	.19	.74	<.02	.013	.029	2.8	420	680	16	<.20	9	<.06
MAY 17...	<.008	--	.53	<.02	.012	.032	3.5	18k	29	18	<.20	8	<.06
JUN 21...	E.004n	--	.75	<.02	.024	.046	4.6	62	62	15	<.20	7	<.06
JUL 28...	E.004n	--	.69	<.02	.022	.039	4.3	240	1,000	21	<.20	8	<.06
AUG 25...	E.006n	--	.88	<.02	.033	.046	3.7	29	29	7	<.20	9	<.06
SEP 15...	.017	--	1.5	E.01n	.028	.041	3.8	85	120	7	E.18n	10	<.06

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

Date	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
NOV 18...	<.04	<.04	<.8	<.8	.083	.8	1.2	222	360	.14	.21	14.9	E.3n
JAN 10...	<.04	<.04	<.8	<.8	.110	.5	.9	85	230	E.07n	.27	18.3	<.4
MAR 08...	<.04	E.03n	<.8	E.5n	.133	.8	2.0	63	460	.13	1.46	25.2	<.4
MAY 17...	<.04	E.02n	<.8	E.5n	.102	.9	1.0	94	310	.09	.40	18.3	E.2n
JUN 21...	<.04	.05	<.8	<.8	.087	1.0	1.1	270	620	.19	.50	14.7	.6
JUL 28...	<.04	<.04	<.8	<.8	.115	1.4	1.7	233	430	.59	.99	19.4	1.3
AUG 25...	E.03n	<.04	<.8	.17oc	.097	1.5	1.1c	180	280	.18	.27	19.4	1.4
SEP 15...	<.04	E.04n	.20oc	.16oc	.131	1.4	1.4	100	180	.21	.33	26.3	3.8

THAMES RIVER BASIN

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT—Continued

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

Date	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover -able, ug/L (01067)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover -able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
NOV 18...	1.99	.68	<.2	2.4	3	E.03n
JAN 10...	.63	.64	<.2	3.4	5	E.03n
MAR 08...	.75	.91	<.2	4.3	7	<.04
MAY 17...	.62	.77	<.2	1.9	3	E.02n
JUN 21...	.92	.85	<.2	1.9	2	.05
JUL 28...	1.01	.98	<.2	2.8	3	.05
AUG 25...	.86c	.82	<.2	3.3	4	E.03n
SEP 15...	.98c	.95c	<.2	5.8	7	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

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THAMES RIVER BASIN

01123000 LITTLE RIVER NEAR HANOVER, CT

LOCATION.--Lat 41° 40'18", long 72° 03'10", Windham County, Hydrologic Unit 01100002, on left bank 800 ft upstream from bridge on Hanover Rd., 0.7 mi downstream from Peck Brook, 2.3 mi northeast of Hanover, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--30.0 mi².

PERIOD OF RECORD.--July 1951 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 221.19 ft above sea level. Satellite telemetry at station.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	2230	649	4.54	Mar 29	0645	631	4.49
Feb 15	1300	401	3.80	Apr 3	1245	*714	*4.71

Minimum discharge, 4.5 ft³/s, Sep. 25, gage height, 1.15 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	48	21	163	63	e45	e48	98	147	38	22	8.8	9.4
2	35	20	170	58	e44	e47	217	105	35	20	8.7	8.3
3	30	20	87	58	e43	e42	584	92	33	17	8.3	7.1
4	25	20	68	131	51	e41	249	74	31	15	8.0	6.6
5	22	58	59	102	50	e41	155	64	29	14	7.8	6.3
6	20	41	51	91	51	e40	119	59	26	25	8.5	6.0
7	19	33	64	88	51	43	103	77	25	23	7.8	5.8
8	18	30	144	107	51	76	153	88	24	22	7.5	5.5
9	18	26	92	149	54	e66	114	68	22	34	7.5	5.4
10	17	24	120	100	91	e54	93	60	21	22	7.3	5.4
11	17	22	182	92	91	e50	80	54	21	18	7.2	5.3
12	17	24	123	87	66	49	70	49	20	15	6.9	5.1
13	17	34	93	100	57	47	64	44	20	14	6.7	5.1
14	18	32	78	402	51	46	59	43	19	14	6.6	5.0
15	19	30	62	365	315	47	54	43	18	14	6.9	6.3
16	49	33	58	159	207	50	51	43	20	22	7.0	6.8
17	37	35	52	122	203	52	49	40	24	17	6.7	6.7
18	28	33	49	101	119	55	47	38	22	15	6.3	6.9
19	42	30	48	e85	e70	57	45	36	22	15	6.1	6.2
20	47	27	52	e75	e64	56	43	35	19	18	6.0	5.7
21	34	35	58	e68	e62	58	42	34	18	14	6.0	5.6
22	29	33	48	e64	e59	58	41	32	17	12	6.2	5.4
23	26	31	74	e62	e57	56	60	33	17	12	5.9	5.1
24	24	30	249	e60	e54	58	238	40	16	11	5.7	4.9
25	23	57	113	e59	e53	64	150	57	17	10	5.7	4.9
26	22	54	82	59	e51	69	108	69	20	10	5.5	5.7
27	21	41	73	58	e49	59	131	61	19	10	5.4	6.2
28	21	73	81	57	e47	172	151	78	18	11	5.4	5.9
29	20	185	59	57	---	516	105	53	20	9.7	5.5	5.7
30	20	84	56	51	---	185	89	47	25	9.4	12	6.5
31	22	---	53	49	---	121	---	41	---	9.2	11	---
TOTAL	805	1,216	2,761	3,179	2,206	2,423	3,562	1,804	676	494.3	220.9	180.8
MEAN	26.0	40.5	89.1	103	78.8	78.2	119	58.2	22.5	15.9	7.13	6.03
MAX	49	185	249	402	315	516	584	147	38	34	12	9.4
MIN	17	20	48	49	43	40	41	32	16	9.2	5.4	4.9
CFSM	0.87	1.35	2.97	3.42	2.63	2.61	3.96	1.94	0.75	0.53	0.24	0.20
IN.	1.00	1.51	3.42	3.94	2.74	3.00	4.42	2.24	0.84	0.61	0.27	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

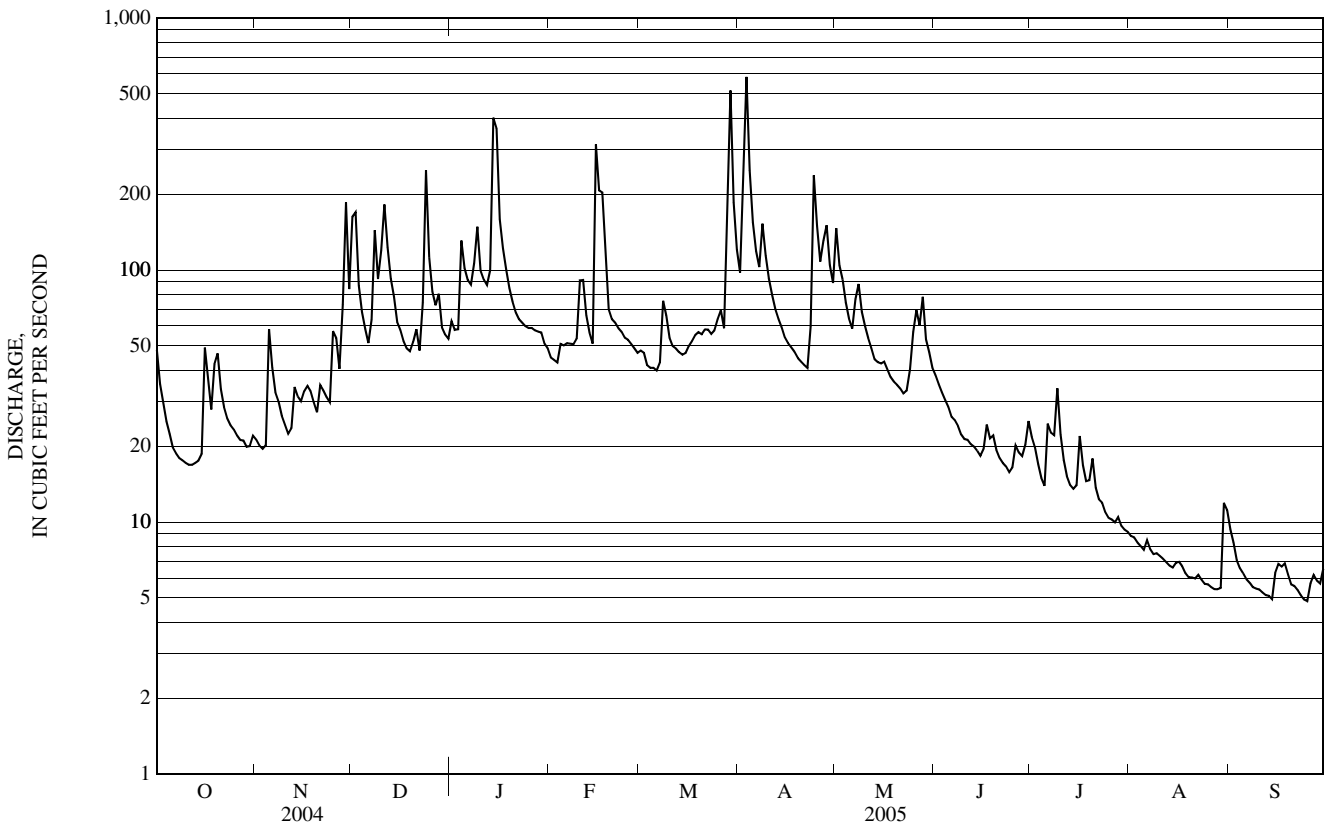
MEAN	30.6	50.9	68.4	75.8	75.7	107	101	64.7	44.6	20.8	18.2	17.4
MAX	186	147	179	288	172	221	229	133	221	73.5	116	77.6
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1972)	(1983)	(1967)	(1982)	(1972)	(1955)	(1954)
MIN	5.25	8.34	12.8	11.6	19.3	40.7	29.2	26.8	11.4	5.85	4.95	4.98
(WY)	(1964)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1957)	(1999)	(1957)	(1993)	(1965)

e Estimated

01123000 LITTLE RIVER NEAR HANOVER, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1952 - 2005	
ANNUAL TOTAL	19,060.7		19,528.0			
ANNUAL MEAN	52.1		53.5		56.0	
HIGHEST ANNUAL MEAN					86.2	1984
LOWEST ANNUAL MEAN					24.2	2002
HIGHEST DAILY MEAN	1,100	Apr 14	584	Apr 3	1,960	Jun 6, 1982
LOWEST DAILY MEAN	8.2	Sep 7	d4.9	Sep 24	3.4	Aug 19, 1987
ANNUAL SEVEN-DAY MINIMUM	9.1	Sep 2	5.3	Sep 8	4.0	Sep 6, 1963
MAXIMUM PEAK FLOW			714	Apr 3	a2,450	Jun 6, 1982
MAXIMUM PEAK STAGE			4.71	Apr 3	b8.31	Jun 6, 1982
INSTANTANEOUS LOW FLOW			4.5	Sep 25	c2.9	Aug 16, 1988
ANNUAL RUNOFF (CFSM)	1.74		1.78		1.87	
ANNUAL RUNOFF (INCHES)	23.64		24.21		25.39	
10 PERCENT EXCEEDS	96		107		115	
50 PERCENT EXCEEDS	34		41		36	
90 PERCENT EXCEEDS	13		6.6		8.9	

- a From rating curve extended above 820 ft³/s.
- b From floodmarks in gage well.
- c Also occurred Aug. 20, 22, 1988.
- d Also occurred Sep. 25.



01124000 QUINEBAUG RIVER AT QUINEBAUG, CT

LOCATION.--Lat 42° 01' 20", long 71° 57' 22", Windham County, Hydrologic Unit 01100001, on right bank at Quinebaug, 500 ft upstream from bridge on State Rt. 197, 0.2 mi downstream from Massachusetts-Connecticut State line, 7.8 mi upstream from French River, and at mile 46.

DRAINAGE AREA.--155 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 851: 1936(M). WSP 1201: 1939-43, 1949. WSP 1381: 1938(M). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.52 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 East Brimfield Lake and Westville Lake since 1960. The natural flow regime can be altered by regulation at East Brimfield Lake, Westville Lake, and other small reservoirs in the basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,090 ft³/s, Jan. 14, gage height, 5.73 ft; minimum discharge, 15 ft³/s, Sep. 13, 14, gage height, 2.10 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	559	170	622	368	e349	e281	922	542	213	50	27	21
2	473	209	717	359	e335	e276	770	512	194	48	25	23
3	374	180	628	376	e324	e260	1,740	492	162	46	23	23
4	281	157	595	523	e310	e251	1,620	462	162	42	22	25
5	249	238	488	518	e300	e243	1,490	472	142	39	25	25
6	210	194	429	498	e292	e236	1,320	413	129	41	44	26
7	188	181	430	524	e282	e236	1,200	391	119	64	45	25
8	159	170	544	514	e270	e282	1,200	443	109	158	42	23
9	144	165	525	536	269	e322	1,060	419	102	447	41	21
10	136	148	539	501	363	e354	803	390	100	381	39	19
11	127	147	763	486	425	e314	580	351	92	327	35	17
12	126	146	729	483	385	e277	479	321	88	253	30	16
13	136	170	667	541	362	e274	439	281	95	182	27	15
14	181	169	595	1,370	314	268	375	247	106	130	25	15
15	201	166	506	1,540	581	261	334	235	101	101	34	32
16	321	168	431	1,180	660	259	260	292	92	75	46	46
17	287	178	404	1,080	770	260	257	277	113	69	45	38
18	263	167	377	e1,020	711	262	243	259	103	76	40	34
19	272	155	359	e914	e604	271	236	236	102	70	37	36
20	271	151	e342	e581	e494	273	226	216	87	69	34	45
21	252	175	e329	e528	e423	283	232	201	79	63	39	46
22	237	175	e320	e496	e374	297	209	191	74	58	39	43
23	222	156	372	e478	e357	319	372	196	67	59	32	41
24	198	167	817	e462	e332	330	926	198	60	57	29	38
25	196	285	656	e443	e325	330	841	255	59	52	27	37
26	192	280	565	e429	e312	322	941	350	55	47	25	35
27	162	268	519	e416	e295	336	952	320	52	43	24	33
28	139	339	e474	e404	e280	540	751	332	51	39	23	29
29	126	598	435	e389	---	1,270	593	294	51	34	21	30
30	119	482	393	e377	---	1,300	504	258	52	31	21	31
31	140	---	369	e364	---	1,160	---	234	---	29	21	---
TOTAL	6,941	6,354	15,939	18,698	11,098	11,947	21,875	10,080	3,011	3,180	987	888
MEAN	224	212	514	603	396	385	729	325	100	103	31.8	29.6
MAX	559	598	817	1,540	770	1,300	1,740	542	213	447	46	46
MIN	119	146	320	359	269	236	209	191	51	29	21	15

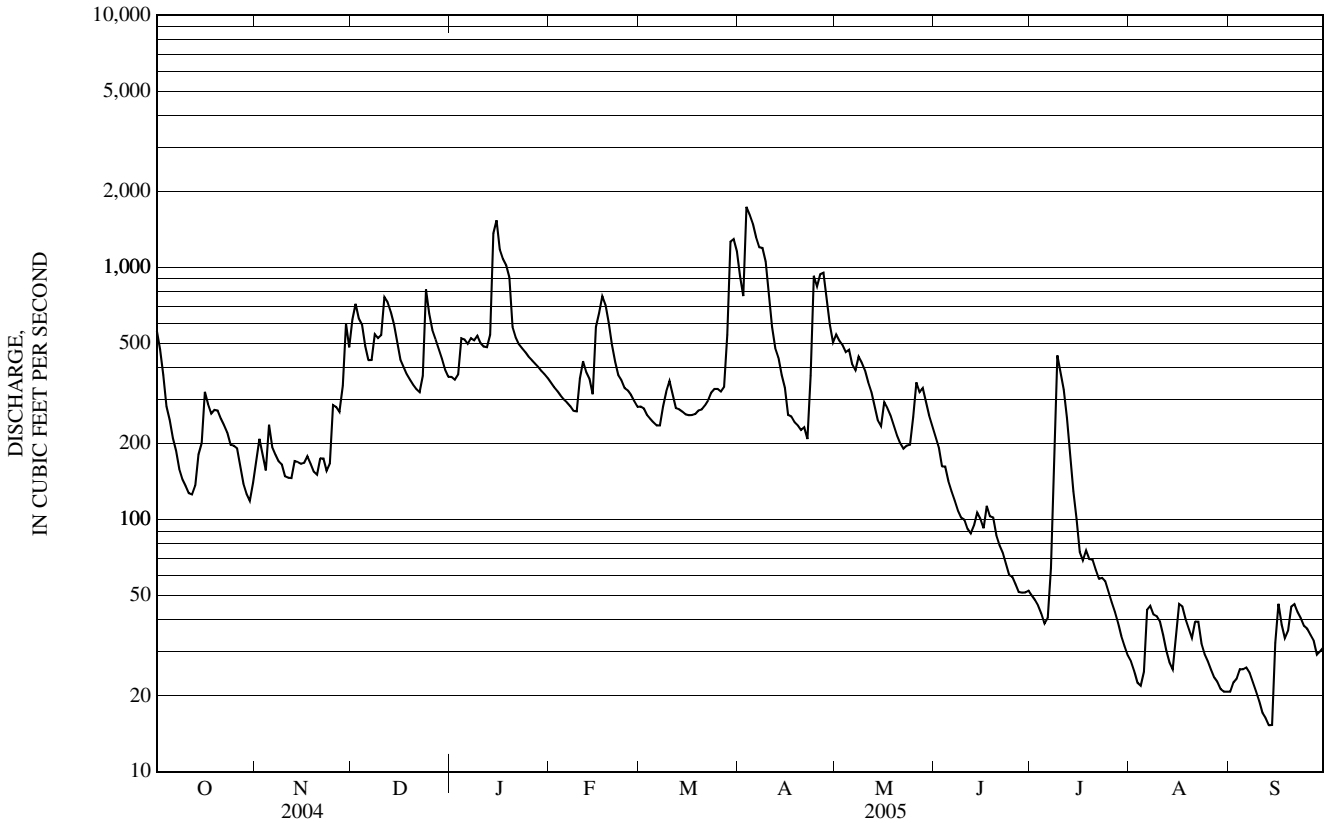
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

MEAN	152	228	316	335	334	533	547	308	212	101	107	110
MAX	701	711	1,008	1,028	845	1,669	1,239	658	1,057	700	1,971	1,296
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1940)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	16.3	29.2	51.6	51.9	83.0	211	169	131	33.2	17.8	12.9	12.2
(WY)	(1958)	(2002)	(2002)	(2002)	(1980)	(2002)	(1985)	(1957)	(1999)	(1957)	(1957)	(1957)
e	Estimated											

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	97,665		110,998		273	
ANNUAL MEAN	267		304		124	
HIGHEST ANNUAL MEAN					466 1955	
LOWEST ANNUAL MEAN					124 1965	
HIGHEST DAILY MEAN	1,440	Apr 14	1,740	Apr 3	26,500	Aug 19, 1955
LOWEST DAILY MEAN	42	Sep 7	d15	Sep 13	1.0	Sep 4, 1956
ANNUAL SEVEN-DAY MINIMUM	45	Sep 2	18	Sep 8	8.7	Sep 30, 1957
MAXIMUM PEAK FLOW			2,090	Jan 14	a49,300	Aug 19, 1955
MAXIMUM PEAK STAGE			5.73	Jan 14	b18.96	Aug 19, 1955
INSTANTANEOUS LOW FLOW			15	Sep 13	c1.0	Sep 4, 1956
10 PERCENT EXCEEDS	566		600		607	
50 PERCENT EXCEEDS	202		253		184	
90 PERCENT EXCEEDS	63		32		37	

- a From rating curve extended above 820 ft³/s on basis of slope-area measurement of peak flow.
- b From floodmarks.
- c Also occurred July 12, 1949, Sep. 17, 18, 1950, July 9, 1951, Sep. 4, 1956, Oct. 29, 1956, and Jan. 27, 1985 (ice siphoning).
- d Also occurred Sep. 14.



01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical analyses available for water years 1953 (WSP 1290), 1960 (WSP 1741), 1963 (WSP 1941), 1969 (WSP 2143). Water temperatures available for water year 1960 (WSP 1741). 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1959 to September 1960, October 1968 to September 1969.

pH: October 1959 to September 1960, October 1968 to September 1969.

WATER TEMPERATURES: October 1959 to September 1960, October 1968 to September 1969.

DISSOLVED OXYGEN: October 1959 to September 1960, October 1968 to September 1969.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 308 microsiemens Jan. 31, 1969; minimum, 49 microsiemens April 2, 1960.

pH: Maximum, 7.7 units June 14, 1969; minimum, 5.8 units July 18, 1969.

WATER TEMPERATURES: Maximum, 30.5° C July 16, 1969; minimum, 0.0 C on many days during December to March.

DISSOLVED OXYGEN: Maximum, 15.1 mg/L Dec. 28, 1968; minimum, 1.4 mg/L Sept. 7, 1969.

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 deg C (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													
26...	0945	190	--	11.5	99	6.8	185	9.0	8.5	--	--	--	--
NOV													
22...	1045	173	1.6	12.7	106	7.2	188	11.0	7.0	28	7.65	2.22	2.13
DEC													
06...	1300	439	--	13.4	99	7.1	153	2.5	2.5	--	--	--	--
JAN													
18...	1000	1,010	2.2	14.6	99	7.0	153	<-5.0	.0	18	4.69	1.60	1.31
MAR													
10...	0945	439	1.5	14.1	98	6.8	255	-5.0	.0	29	7.88	2.17	1.64
MAY													
18...	0845	255	2.5	9.7	98	7.1	218	19.0	15.5	26	6.96	2.08	1.57
JUN													
20...	0945	68	2.5	8.8	96	7.3	271	25.5	19.5	39	11.2	2.59	2.39
JUL													
26...	0915	48	2.4	8.1	99	7.2	292	24.0	24.5	39	11.1	2.60	2.47
AUG													
16...	0915	47	3.2	7.6	90	7.3	294	19.0	23.5	42	12.5	2.63	3.00
SEP													
13...	1300	18	1.2	--	--	--	341	--	--	--	--	--	--
13...	1500	16	1.2	--	--	--	341	--	--	--	--	--	--
13...	1700	16	1.7	--	--	--	341	--	--	--	--	--	--
13...	1900	16	1.7	--	--	--	340	--	--	--	--	--	--
13...	2100	16	1.5	--	--	--	341	--	--	--	--	--	--
13...	2300	16	2.0	--	--	--	343	--	--	--	--	--	--
14...	0100	16	1.4	--	--	--	347	--	--	--	--	--	--
14...	0300	16	1.5	--	--	--	351	--	--	--	--	--	--
14...	0500	18	1.4	--	--	--	356	--	--	--	--	--	--
14...	0700	18	1.6	--	--	--	358	--	--	--	--	--	--
14...	0800	16	2.3	7.9	90	7.5	361	20.0	21.0	56	17.3	3.14	3.85
14...	0900	18	1.9	--	--	--	355	--	--	--	--	--	--
14...	1100	18	1.4	--	--	--	353	--	--	--	--	--	--
14...	1300	18	1.8	--	--	--	351	--	--	--	--	--	--
14...	1500	16	1.5	--	--	--	350	--	--	--	--	--	--
14...	1700	16	1.3	--	--	--	349	--	--	--	--	--	--
14...	1900	16	2.0	--	--	--	353	--	--	--	--	--	--
14...	2100	18	1.9	--	--	--	358	--	--	--	--	--	--
14...	2300	18	1.6	--	--	--	360	--	--	--	--	--	--
15...	0100	18	1.6	--	--	--	364	--	--	--	--	--	--
15...	0300	18	1.6	--	--	--	372	--	--	--	--	--	--
15...	0500	18	1.4	--	--	--	374	--	--	--	--	--	--
15...	0700	20	1.8	--	--	--	364	--	--	--	--	--	--
15...	0900	41	7.0	--	--	--	301	--	--	--	--	--	--
15...	1100	39	3.3	--	--	--	301	--	--	--	--	--	--
15...	1300	34	3.5	--	--	--	276	--	--	--	--	--	--
15...	1500	34	6.9	--	--	--	255	--	--	--	--	--	--
15...	1700	52	5.9	--	--	--	278	--	--	--	--	--	--
15...	1900	49	4.8	--	--	--	302	--	--	--	--	--	--
15...	2100	50	4.8	--	--	--	296	--	--	--	--	--	--
15...	2300	54	5.9	--	--	--	295	--	--	--	--	--	--
16...	0100	56	9.5	--	--	--	307	--	--	--	--	--	--
16...	0300	56	6.5	--	--	--	310	--	--	--	--	--	--
16...	0500	54	7.0	--	--	--	308	--	--	--	--	--	--
16...	0700	52	4.9	--	--	--	299	--	--	--	--	--	--
16...	0900	50	3.9	--	--	--	292	--	--	--	--	--	--

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

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

Date	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (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 unfl 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 26...	--	--	--	38.5	--	--	--	--	--	.23	.35	<.04	.20
NOV 22...	23.0	18	22	40.5	E.1n	6.54	6.7	104	107	.20	.28	<.04	.36
DEC 06...	--	--	--	30.2	--	--	--	--	--	.22	.28	E.03n	.19
JAN 18...	18.0	8	9	30.8	<.1	7.84	7.6	90	87	.19	.24	.04	.21
MAR 10...	33.9	11	14	59.7	E.1n	9.29	9.3	151	142	.28	.28	.07	.38
MAY 18...	29.3	11	13	49.2	<.1	3.38	8.2	121	123	.30	.28	<.04	.13
JUN 20...	32.7	16	20	60.0	E.1n	4.62	10.3	152	151	.35	.43	E.04n	.57
JUL 26...	35.8	19	23	65.8	E.1n	4.90	10.1	175	169	.38	.52	E.02n	.51
AUG 16...	35.3	19	23	62.4	.1	4.38	11.6	168	170	.80	.49	E.03n	.74
SEP 13...	--	--	--	--	--	--	--	--	--	.29	.40	<.04	.61
13...	--	--	--	--	--	--	--	--	--	.31	.39	<.04	.62
13...	--	--	--	--	--	--	--	--	--	.30	.41	<.04	.59
13...	--	--	--	--	--	--	--	--	--	.31	.42	<.04	.61
13...	--	--	--	--	--	--	--	--	--	.31	.43	<.04	.60
13...	--	--	--	--	--	--	--	--	--	.36	.39	<.04	.63
14...	--	--	--	--	--	--	--	--	--	.32	.41	<.04	.65
14...	--	--	--	--	--	--	--	--	--	.31	.44	<.04	.70
14...	--	--	--	--	--	--	--	--	--	.32	.42	<.04	.76
14...	--	--	--	--	--	--	--	--	--	.52	.40	E.02n	.77
14...	43.9	22	27	75.7	.2	3.83	17.4	208	198	.38	.35	<.04	.79
14...	--	--	--	--	--	--	--	--	--	.39	.44	E.03n	.75
14...	--	--	--	--	--	--	--	--	--	.39	.44	.05	.72
14...	--	--	--	--	--	--	--	--	--	.28	.37	<.04	.70
14...	--	--	--	--	--	--	--	--	--	.28	.36	<.04	.69
14...	--	--	--	--	--	--	--	--	--	.31	.37	<.04	.69
14...	--	--	--	--	--	--	--	--	--	.31	.38	<.04	.71
14...	--	--	--	--	--	--	--	--	--	.31	.37	<.04	.76
14...	--	--	--	--	--	--	--	--	--	.32	.38	<.04	.82
15...	--	--	--	--	--	--	--	--	--	.30	.37	<.04	.87
15...	--	--	--	--	--	--	--	--	--	.28	.39	<.04	.92
15...	--	--	--	--	--	--	--	--	--	.30	.37	<.04	.96
15...	--	--	--	--	--	--	--	--	--	.32	.42	<.04	.95
15...	--	--	--	--	--	--	--	--	--	.30	.54	<.04	.79
15...	--	--	--	--	--	--	--	--	--	.28	.43	<.04	.78
15...	--	--	--	--	--	--	--	--	--	.47	.42	<.04	.68
15...	--	--	--	--	--	--	--	--	--	.39	.41	<.04	.67
15...	--	--	--	--	--	--	--	--	--	.49	.46	<.04	.73
15...	--	--	--	--	--	--	--	--	--	.39	.48	<.04	.76
15...	--	--	--	--	--	--	--	--	--	.43	.49	<.04	.77
15...	--	--	--	--	--	--	--	--	--	.45	.51	<.04	.74
16...	--	--	--	--	--	--	--	--	--	.42	.54	E.02n	.73
16...	--	--	--	--	--	--	--	--	--	.48	.49	E.02n	.73
16...	--	--	--	--	--	--	--	--	--	.44	.50	E.03n	.72
16...	--	--	--	--	--	--	--	--	--	.49	.49	E.03n	.69
16...	--	--	--	--	--	--	--	--	--	.51	.41	E.03n	.69

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

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)	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, water, col/100 mL (90902)	Fecal coli-form, M-FC 0.45uMF col/100 mL (31616)	Chloro-phyll a phytoplankton, fluoro, ug/L (70953)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 26...	<.008	--	.55	<.02	.013	.034	--	--	--	--	--	--	--
NOV 22...	.034	--	.64	<.02	.013	.033	4.8	260	200	--	17	<.20	11
DEC 06...	.012	--	.47	<.02	.010	.027	--	--	--	--	--	--	--
JAN 18...	<.008	.20	.45	<.02	.008	.020	3.9	140	210	--	32	<.20	9
MAR 10...	.036	.21	.65	<.02	.011	.029	3.0	210	240	--	16	<.20	12
MAY 18...	<.008	--	.41	<.02	.007	.025	4.5	48	60k	--	10	E.10n	11
JUN 20...	E.006n	--	1.0	<.02	.017	.052	5.6	83	90	--	9	E.13n	11
JUL 26...	E.004n	--	1.0	<.02	.018	.047	5.9	58	80	2.4	9	E.16n	13
AUG 16...	E.007n	--	1.2	<.02	.026	.054	5.9	230	420	4.1	6	.23	12
SEP 13...	E.005n	--	1.0	<.02	.018	.035	--	--	--	--	--	--	--
13...	E.004n	--	1.0	<.02	.019	.036	--	--	--	--	--	--	--
13...	E.004n	--	1.0	<.02	.019	.036	--	--	--	--	--	--	--
13...	E.005n	--	1.0	<.02	.017	.042	--	--	--	--	--	--	--
13...	E.007n	--	1.0	<.02	.017	.038	--	--	--	--	--	--	--
13...	<.008	--	1.0	<.02	.014	.037	--	--	--	--	--	--	--
14...	E.006n	--	1.1	<.02	.016	.035	--	--	--	--	--	--	--
14...	<.008	--	1.1	<.02	.014	.042	--	--	--	--	--	--	--
14...	.009	--	1.2	<.02	.015	.041	--	--	--	--	--	--	--
14...	E.004n	--	1.2	<.02	.016	.041	--	--	--	--	--	--	--
14...	<.008	--	1.1	<.02	.015	.035	4.7	43	50	1.1	5	.27	15
14...	E.006n	--	1.2	<.02	.022	.040	--	--	--	--	--	--	--
14...	E.004n	.39	1.2	<.02	.018	.035	--	--	--	--	--	--	--
14...	E.005n	--	1.1	<.02	.016	.034	--	--	--	--	--	--	--
14...	E.004n	--	1.1	<.02	.020	.036	--	--	--	--	--	--	--
14...	E.004n	--	1.1	<.02	.020	.035	--	--	--	--	--	--	--
14...	E.005n	--	1.1	<.02	.019	.037	--	--	--	--	--	--	--
14...	E.004n	--	1.1	<.02	.017	.036	--	--	--	--	--	--	--
14...	E.004n	--	1.2	<.02	.014	.035	--	--	--	--	--	--	--
15...	E.004n	--	1.2	<.02	.015	.036	--	--	--	--	--	--	--
15...	E.004n	--	1.3	<.02	.014	.037	--	--	--	--	--	--	--
15...	E.004n	--	1.3	<.02	.014	.038	--	--	--	--	--	--	--
15...	E.004n	--	1.4	<.02	.018	.041	--	--	--	--	--	--	--
15...	E.004n	--	1.3	<.02	.025	.092	--	--	--	--	--	--	--
15...	E.004n	--	1.2	<.02	.021	.061	--	--	--	--	--	--	--
15...	.008	--	1.1	<.02	.018	.054	--	--	--	--	--	--	--
15...	E.007n	--	1.1	<.02	.019	.057	--	--	--	--	--	--	--
15...	E.007n	--	1.2	<.02	.019	.067	--	--	--	--	--	--	--
15...	E.006n	--	1.2	<.02	.018	.070	--	--	--	--	--	--	--
15...	E.007n	--	1.3	<.02	.019	.071	--	--	--	--	--	--	--
15...	E.007n	--	1.2	<.02	.021	.081	--	--	--	--	--	--	--
16...	E.007n	--	1.3	<.02	.021	.081	--	--	--	--	--	--	--
16...	E.007n	--	1.2	<.02	.026	.075	--	--	--	--	--	--	--
16...	E.007n	--	1.2	<.02	.018	.074	--	--	--	--	--	--	--
16...	E.007n	--	1.2	<.02	.019	.069	--	--	--	--	--	--	--
16...	E.007n	--	1.1	<.02	.019	.059	--	--	--	--	--	--	--

01124000 QUINEBAUG RIVER AT QUINEBAUG, 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)	Uranium natural water, fltrd, ug/L (22703)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 22...	<.06	<.04	E.5n	.123	.9	179	.16	27.9	<.4	1.94	<.2	2.0	<.04
DEC 06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 18...	<.06	E.02n	<.8	.144	.7	93	.10	43.1	<.4	.67	<.2	3.9	<.04
MAR 10...	<.06	E.02n	<.8	.192	.5	77	E.07n	60.7	E.3n	.97	<.2	3.7	<.04
MAY 18...	<.06	<.04	<.8	.149	1.5	86	.12	54.0	<.4	.89	<.2	3.4	<.04
JUN 20...	<.06	<.04	<.8	.148	1.0	235	.24	51.2	.4	1.48	<.2	1.7	<.04
JUL 26...	<.06	<.04	<.8	.350	1.6	216	.30	46.5	1.2	1.51	<.2	1.6	<.04
AUG 16...	<.06	E.02n	<.8	.130	1.9	142	.41	57.9	1.5	1.55	<.2	1.3	<.04
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
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14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.06	E.02n	.11oc	.167	1.7	66	.17	44.4	2.2	2.14	<.2	1.6c	<.04
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
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15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

QUINEBAUG RIVER BASIN

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT

LOCATION.--Lat 41° 56'29", long 71° 53'58", Windham County, Hydrologic Unit 01100001, on left bank 350 ft downstream from concrete v-notch wier below West Thompson Dam.

DRAINAGE AREA.--172 mi².

PERIOD OF RECORD.--June 1966 to September 1989. October 1989 to September 2000 unpublished. October 2000 to September 2001. October 2001 to September 2002 unpublished. October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 289.34 ft above sea level.

REMARKS.--Records good. No estimated daily discharges. Peak flows are affected by flood-control regulation at East Brimfield Lake, Westville Lake, and West Thompson Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, East Brimfield Lake, and other small reservoirs in the basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,350 ft³/s, Apr. 5, gage height, 5.63 ft; minimum discharge, 24 ft³/s, Sep. 15, 16, gage height, 0.42 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	846	148	703	400	378	289	1,380	668	226	62	37	25
2	688	185	883	403	366	295	555	540	212	62	37	25
3	503	190	853	404	352	297	988	531	206	57	37	25
4	287	175	724	513	240	278	1,880	538	135	54	36	25
5	246	222	675	623	205	270	2,270	527	127	40	35	25
6	236	225	528	645	214	267	2,230	507	138	38	35	25
7	209	199	472	619	221	261	2,090	480	135	46	35	25
8	173	183	578	603	253	303	1,830	482	126	73	35	25
9	153	172	624	645	283	377	1,630	438	117	415	35	25
10	150	162	610	615	345	379	1,490	435	113	528	35	25
11	148	154	718	568	483	363	952	424	109	403	35	25
12	128	153	768	560	458	338	633	348	106	329	35	25
13	119	163	908	622	422	317	508	287	105	238	35	25
14	135	172	929	1,090	375	300	448	277	105	149	35	25
15	178	172	644	1,820	644	287	362	262	108	98	36	24
16	305	176	514	1,870	887	283	324	272	107	78	35	24
17	326	179	435	1,740	1,100	283	302	295	111	80	36	25
18	289	177	413	1,390	956	286	207	290	116	82	35	25
19	272	172	399	1,180	812	293	240	274	114	84	34	25
20	297	158	389	946	652	301	248	227	82	82	34	25
21	275	170	346	612	548	308	248	212	78	76	34	27
22	257	182	346	515	481	324	241	208	83	71	36	31
23	235	175	347	493	400	347	274	207	80	68	37	34
24	213	171	626	434	391	365	560	180	73	65	36	35
25	199	250	689	410	384	368	1,500	249	69	62	34	34
26	198	314	681	435	359	373	1,430	375	66	45	32	34
27	183	298	714	434	344	371	1,290	404	61	43	32	36
28	160	291	737	411	331	447	1,130	394	60	43	32	33
29	144	614	677	402	---	1,290	802	374	60	42	32	31
30	134	728	445	397	---	1,960	680	319	62	39	32	31
31	133	---	407	390	---	1,860	---	281	---	38	29	---
TOTAL	7,819	6,730	18,782	22,189	12,884	14,080	28,722	11,305	3,290	3,590	1,073	824
MEAN	252	224	606	716	460	454	957	365	110	116	34.6	27.5
MAX	846	728	929	1,870	1,100	1,960	2,270	668	226	528	37	36
MIN	119	148	346	390	205	261	207	180	60	38	29	24

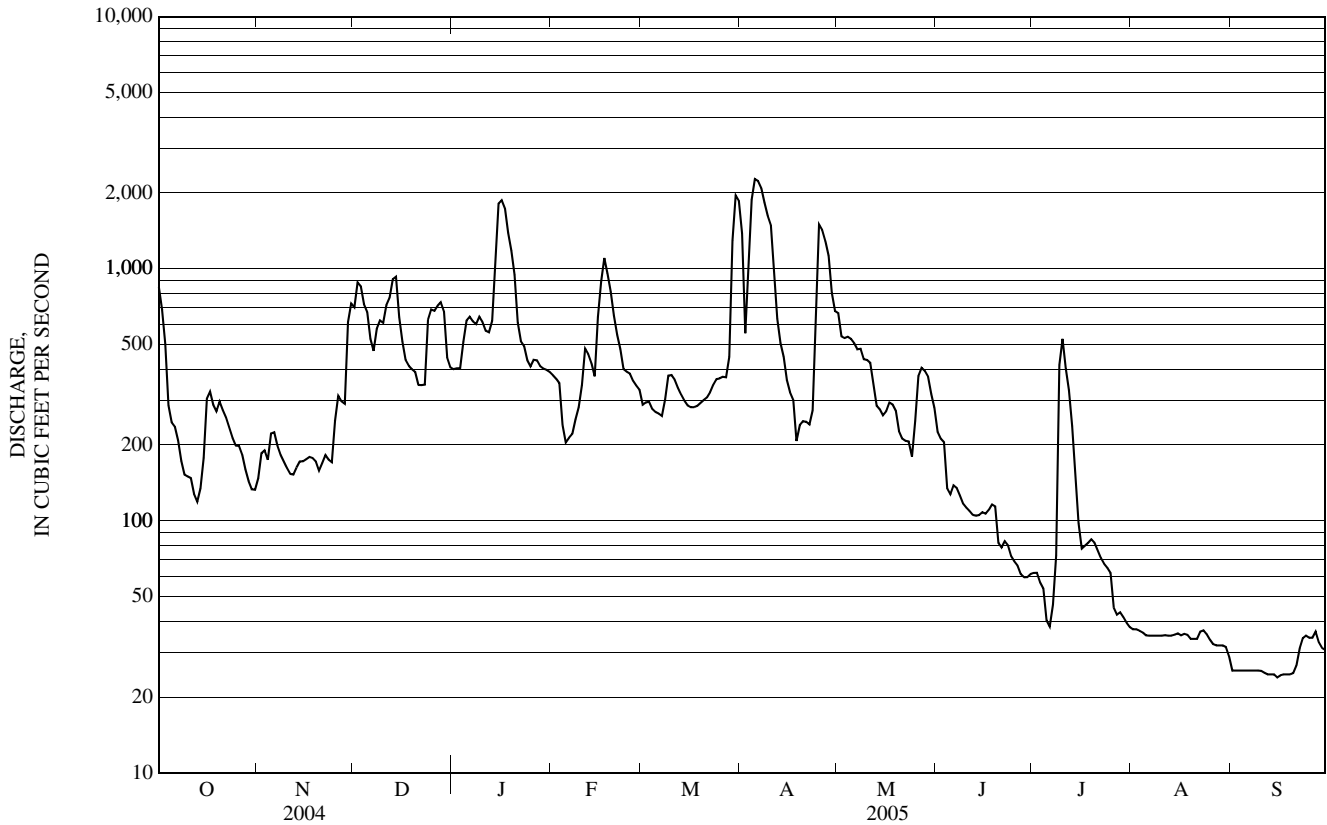
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	189	245	384	375	375	572	627	348	268	112	88.5	86.1
MAX	932	567	1,136	1,030	880	1,036	1,447	730	999	323	511	229
(WY)	(1976)	(1976)	(1997)	(1979)	(1976)	(1972)	(1987)	(1972)	(1982)	(1972)	(1989)	(2004)
MIN	44.8	36.4	64.5	39.9	93.3	229	194	140	44.3	31.1	26.6	23.6
(WY)	(1969)	(2002)	(2002)	(1981)	(1980)	(2002)	(1985)	(1986)	(1999)	(1999)	(1981)	(1995)

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	113,168		131,288			
ANNUAL MEAN	309		360		304	
HIGHEST ANNUAL MEAN					482	1984
LOWEST ANNUAL MEAN					144	1985
HIGHEST DAILY MEAN	1,660	Apr 17	2,270	Apr 5	2,770	Apr 10, 1987
LOWEST DAILY MEAN	35	Jun 23	a24	Sep 15	3.1	Jan 12, 1981
ANNUAL SEVEN-DAY MINIMUM	60	Aug 9	25	Sep 10	10	Aug 31, 1975
MAXIMUM PEAK FLOW			2,350	Apr 5	2,820	Apr 10, 1987
MAXIMUM PEAK STAGE			5.63	Apr 5	6.45	Apr 10, 1987
INSTANTANEOUS LOW FLOW			24	Sep 15	b0	many days
10 PERCENT EXCEEDS	691		732		690	
50 PERCENT EXCEEDS	208		267		194	
90 PERCENT EXCEEDS	77		34		39	

a Also occurred Sep. 16.
 b Regulation.



01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2000 to September 2001, June 2003 to current year.

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

Date	Time	Instantaneous discharge, cfs (00061)	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)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	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 26...	1115	199	11.1	97	7.1	180	12.5	9.5	36.6	--	.26	.35	<.04
NOV 22...	1515	184	11.8	98	7.3	192	9.5	6.5	41.0	--	--	.30	--
DEC 06...	1415	514	13.1	98	6.6	140	-2.0	3.5	26.7	--	.20	.28	<.04
MAY 18...	1245	294	9.5	99	6.7	207	19.5	17.0	--	--	.41	.34	<.04
JUL 26...	1315	38	7.0	89	6.6	254	29.0	26.7	--	157	.64	.60	.06
AUG 16...	1230	37	8.1	100	8.3	279	--	26.5	--	--	.36	.79	<.04
SEP 14...	1245	25	8.1	94	7.8	321	26.5	23.8	--	--	.54	.73	E.04n

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)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)
OCT 26...	.22	<.008	--	.57	<.02	.010	.029	--
NOV 22...	--	--	--	--	--	--	.031	--
DEC 06...	.23	.013	--	.51	<.02	.010	.026	--
MAY 18...	.18	<.008	--	.52	<.04d	.007	.029	--
JUL 26...	.19	E.005n	.55	.79	<.02	.013	.045	12.0
AUG 16...	<.06	<.008	--	--	<.02	.010	.024	32.6
SEP 14...	E.03n	<.008	--	--	<.02	.016	.064	18.6d

Remark codes used in this table:

< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded
n -- Below the LRL and above the LT-MDL

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01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT

LOCATION.--Lat 41° 58'41", long 71° 54'03", Windham County, Hydrologic Unit 01100002, at Red Bridge Rd., 0.5 mi south of North Grosvenordale, 0.45 mi downstream from Backwater Brook, 1.2 mi upstream from Stoud Brook.

DRAINAGE AREA.-- 101 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Partial-record gage October 1991 to June 2000. June 2000 to September 2001. June 2002 to current year.

GAGE.--Nonrecording gage October 1991 to June 2000. Water-stage recorder and crest-stage gage. Datum of gage is 350.00 ft above sea level.

REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Hodges Village and Buffumville Reservoirs, by Lake Chaubunagungamaug and other smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 972 ft³/s, Apr. 6, gage height, 9.65 ft; minimum discharge, 8.9 ft³/s, Sep. 11, 12, 13, 14, gage height, 6.32 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	417	e107	e465	e236	e256	e205	e856	e440	224	51	17	13
2	311	e103	e510	e216	e237	e201	e616	e420	209	46	17	12
3	270	e107	e493	e277	e211	e188	e604	e386	169	41	16	11
4	262	e111	e418	e334	e226	e177	e652	e323	155	37	17	11
5	247	e138	e285	e385	e217	e173	e899	e286	160	34	21	10
6	e197	e142	e241	e400	e272	e166	e921	e257	102	38	24	10
7	e182	e146	e240	e386	e226	e168	e883	e260	106	38	18	9.8
8	e169	e138	e277	e377	e222	e217	e818	e305	93	57	17	10
9	e158	e139	e316	e388	e223	e235	e833	e341	86	189	17	9.9
10	e148	e121	e352	e354	e268	e251	e794	e329	79	222	17	9.7
11	e133	e115	e419	e321	e325	e230	e748	e296	66	234	16	9.4
12	e120	e115	e482	e323	e323	e224	e652	e252	47	164	16	9.3
13	e115	e114	e458	e371	e298	e218	e536	e192	60	133	16	9.3
14	e113	e110	e402	e582	e271	e207	e373	e181	61	110	19	9.2
15	e132	e109	e347	e811	e391	e197	e261	e173	57	93	30	48
16	e151	e108	e292	e800	e464	e192	e215	e170	60	86	18	29
17	e173	e112	e257	e800	e561	e191	e188	e179	82	73	18	20
18	e177	e114	e238	e729	e606	e193	e184	179	70	64	20	24
19	e178	e113	e215	e691	e503	e190	e178	173	84	54	19	22
20	e179	e112	e220	e622	e429	e198	e168	152	43	50	17	19
21	e196	e118	e212	e501	e370	e208	e171	139	50	43	25	18
22	e194	e119	e237	e405	e326	e212	e172	124	51	38	23	16
23	e183	e121	e238	e383	e297	e211	e185	127	48	34	17	14
24	e171	e122	e439	e389	e272	e218	e377	164	43	29	16	15
25	e160	e155	e540	e334	e259	e249	e578	186	40	25	15	27
26	e150	e185	e484	e328	e234	e270	e646	254	38	24	15	28
27	e140	e179	e421	e325	e218	e227	e563	312	37	22	15	15
28	e121	e211	e381	e354	e193	e340	e488	339	37	20	14	19
29	e116	e343	e340	e324	---	e609	e501	324	40	19	13	39
30	e115	e415	e289	e277	---	e813	e457	288	42	18	14	42
31	e113	---	e247	e267	---	e859	---	255	---	18	14	---
TOTAL	5,491	4,342	10,755	13,290	8,698	8,237	15,517	7,806	2,439	2,104	551	538.6
MEAN	177	145	347	429	311	266	517	252	81.3	67.9	17.8	18.0
MAX	417	415	540	811	606	859	921	440	224	234	30	48
MIN	113	103	212	216	193	166	168	124	37	18	13	9.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

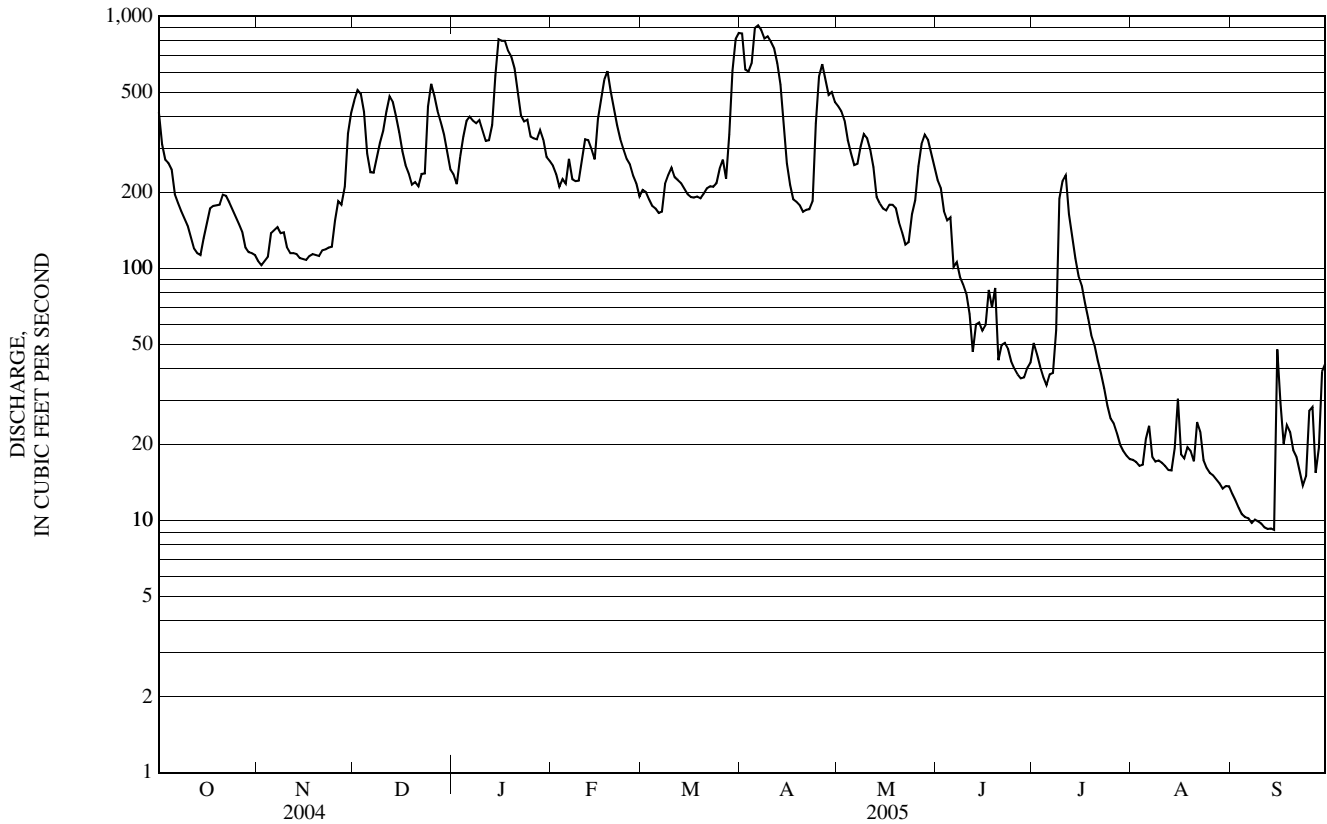
MEAN	98.3	139	263	213	153	310	490	185	180	67.6	46.4	43.2
MAX	177	199	347	429	311	424	572	252	320	87.0	101	138
(WY)	(2005)	(2004)	(2005)	(2005)	(2005)	(2003)	(2001)	(2005)	(2003)	(2003)	(2003)	(2004)
MIN	44.7	82.7	145	79.6	85.7	169	374	76.0	77.5	31.3	13.8	11.3
(WY)	(2001)	(2001)	(2001)	(2001)	(2004)	(2004)	(2003)	(2001)	(2004)	(2002)	(2002)	(2002)

e Estimated

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	66,219		79,768.6		184	
ANNUAL MEAN	181		219		152	
HIGHEST ANNUAL MEAN					219	2005
LOWEST ANNUAL MEAN					152	2001
HIGHEST DAILY MEAN	860	Apr 14	921	Apr 6	943	Mar 30, 2001
LOWEST DAILY MEAN	22	Aug 14	9.2	Sep 14	6.8	Aug 28, 2002
ANNUAL SEVEN-DAY MINIMUM	32	Sep 2	9.5	Sep 8	8.8	Sep 7, 2002
MAXIMUM PEAK FLOW			972	Apr 6	1,220	Mar 30, 2001
MAXIMUM PEAK STAGE			9.65	Apr 6	10.09	Mar 30, 2001
INSTANTANEOUS LOW FLOW			8.9	Sep 11	6.8	Aug 27, 2002
10 PERCENT EXCEEDS	385		483		410	
50 PERCENT EXCEEDS	132		181		123	
90 PERCENT EXCEEDS	49		17		31	

e Estimated



01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--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 corrctd 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)
NOV 22...	1330	129	1.8	11.7	98	7.3	215	12.5	7.5	30	9.17	1.68	3.38
JAN 18...	1300	E729	1.6	14.1	97	6.8	198	<-5.0	.5	23	6.90	1.32	2.13
MAR 10...	1200	225	1.7	14.2	103	7.0	273	-3.0	1.5	31	9.84	1.64	2.36
MAY 18...	1130	178	2.4	9.8	101	7.1	205	21.0	16.5	27	8.28	1.49	2.33
JUN 20...	1300	35	1.8	8.5	99	7.5	266	28.0	23.0	36	11.3	1.89	3.61
JUL 26...	1115	25	2.3	7.8	100	7.5	265	29.0	27.0	36	11.2	1.82	3.56
AUG 16...	1200	18	2.6	7.8	98	7.4	314	21.0	26.5	54	17.7	2.29	4.68
SEP 14...	1015	8.9	7.2	8.1	95	9.0	361	23.0	23.0	48	15.3	2.26	5.88

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

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, titr., mg/L (00453)	Carbonate, wat fltrd, titr., 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)
NOV 22...	28.0	22	27	--	43.6	E.1n	4.91	6.1	136	125	.35	.45	<.04
JAN 18...	24.4	9	11	--	41.8	E.1n	6.54	7.4	113	109	.25	.27	<.04
MAR 10...	35.5	12	15	--	59.7	E.1n	7.16	8.3	154	148	.35	.34	.04
MAY 18...	25.2	11	14	--	43.0	E.1n	2.51	8.2	123	125	.39	.41	E.03n
JUN 20...	34.7	29	35	--	50.8	<.1	4.29	10.1	152	151	.58	.60	.05
JUL 26...	33.4	24	30	--	51.3	E.1n	2.88	10.0	154	153	.62	.68	.05
AUG 16...	34.5	33	40	--	57.4	E.1n	1.52	14.0	180	173	.70	.79	.11
SEP 14...	46.9	42	43	4	63.5	E.1n	3.02	18.2	194	199	.78	1.0	<.04

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, 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)
NOV 22...	.71	<.008	--	1.2	.07	.097	.116	6.6	94	230	27	<.20	12
JAN 18...	.44	<.008	--	.71	E.01n	.018	.032	5.3	160	470	51	<.20	12
MAR 10...	.94	<.008	.29	1.3	.03	.054	.075	3.8	92	150	26	<.20	15
MAY 18...	.67	<.008	--	1.1	<.02	.013	.041	5.3	30	28	16	E.12n	13
JUN 20...	1.30	.015	.54	1.9	.02	.048	.079	6.5	59	97	23	E.17n	11
JUL 26...	1.25	.010	.63	1.9	E.01n	.045	.063	6.4	100	140	24	.22	15
AUG 16...	1.23	.018	.68	2.0	<.02	.046	.061	6.0	92	180	23	.28	17
SEP 14...	1.36	.011	--	2.4	<.02	.030	.083	8.5	160	200	110c	.52c	10c

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)
NOV 22...	<.06	<.04	E.4n	.102	2.6	230	.34	26.8	<.4	2.27	<.2	3.9	.09
JAN 18...	<.06	E.03n	<.8	.103	1.2	102	.19	34.2	<.4	.72	<.2	6.3	.09
MAR 10...	<.06	<.04	<.8	.141	1.8	91	.13	59.9	<.4	.84	<.2	6.4	.06
MAY 18...	<.06	<.04	E.4n	.125	2.1	101	.24	63.3	<.4	.69	<.2	4.0	.06
JUN 20...	<.06	<.04	.9	.103	2.2	452	.95	38.3	.5	1.20	<.2	2.5	.06
JUL 26...	<.06	<.04	1.2	.115	2.5	366	.94	40.6	1.3	1.38	<.2	2.9	.06
AUG 16...	<.06	<.04	E.6n	.147	2.9	142	.39	60.6	1.0	1.55	<.2	2.6	.08
SEP 14...	<.06c	E.03nc	.84oc	.191c	4.5c	183	.41c	49.5c	.9c	1.29c	<.2c	2.0c	.25c

Remark codes used in this table:

< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:

c -- See laboratory comment
n -- Below the LRL and above the LT-MDL
o -- Result determined by alternate method

01125500 QUINEBAUG RIVER AT PUTNAM, CT

LOCATION.--Lat 41° 54'34", long 71° 54'48", Windham County, Hydrologic Unit 01100001, on right bank at Putnam, 0.15 mi downstream from Little River, 0.3 mi upstream from New York, New Haven and Hartford Railroad bridge, 2.8 mi downstream from French River, 3.0 mi downstream from West Thompson Dam, and 36 mi upstream from mouth.

DRAINAGE AREA.--328 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1929 to September 1969, October 1995 to current year. Monthly discharge only for October and November 1929, published in WSP 1301. Stage record only October 1974 to September 1995.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 216.76 ft above sea level. Prior to Aug. 1, 1958, at same site on left bank at same datum. Satellite 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 East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, and Buffumville Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, Buffumville Lake, Lake Chaubunagungamaug, Quaddick Reservoir, and other small reservoirs in the basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,060 ft³/s (estimated), Apr. 5; minimum discharge, 8.0 ft³/s, Aug. 13, gage height, 1.44 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	1,350	288	1,260	726	710	558	2,110	1,200	510	129	60	46
2	1,080	313	1,500	725	673	549	1,390	1,070	466	120	58	45
3	830	325	1,430	727	622	539	2,100	1,010	427	109	57	44
4	611	316	1,200	961	520	510	e2,560	954	307	100	62	43
5	518	445	1,070	1,090	476	498	e3,060	906	312	125	52	41
6	492	413	873	1,110	505	490	e2,940	843	287	94	55	41
7	421	406	811	1,080	504	482	2,770	827	271	92	57	41
8	396	395	997	1,070	509	570	2,520	877	244	105	57	39
9	354	351	1,070	1,180	541	701	2,300	858	235	465	58	39
10	311	301	1,060	1,100	649	692	2,130	830	216	e735	58	38
11	336	335	1,260	1,020	847	653	1,600	789	207	633	57	38
12	252	299	1,340	993	824	617	1,270	684	191	494	56	38
13	272	335	1,400	1,070	756	585	1,080	568	209	364	55	37
14	272	331	1,360	1,870	681	555	920	525	211	269	63	37
15	337	300	1,060	2,850	1,150	536	745	504	200	229	100	43
16	534	340	876	2,700	1,540	532	657	488	191	168	68	98
17	578	339	773	2,450	1,820	534	604	520	214	164	60	61
18	530	319	724	2,020	1,640	541	527	511	222	155	57	62
19	509	347	691	1,750	1,370	548	502	490	211	152	52	77
20	528	301	674	1,480	1,140	561	499	429	171	129	53	68
21	512	339	616	1,110	974	573	498	399	144	126	55	52
22	495	369	641	905	868	594	493	384	151	116	61	56
23	478	337	659	865	764	618	542	375	148	108	76	64
24	399	324	1,210	824	716	653	1,120	390	135	100	67	67
25	404	485	1,330	785	695	659	2,100	511	126	94	53	54
26	382	567	1,220	793	649	694	2,060	706	120	79	e70	76
27	342	544	1,170	776	620	668	1,840	811	112	76	e70	84
28	312	582	1,130	819	587	855	1,690	837	114	71	e72	62
29	319	1,100	1,060	801	---	2,100	1,380	782	119	60	e74	61
30	260	1,240	817	721	---	2,810	1,210	682	123	61	e72	90
31	286	---	743	708	---	2,620	---	588	---	61	47	---
TOTAL	14,700	12,686	32,025	37,079	23,350	24,095	45,217	21,348	6,594	5,783	1,912	1,642
MEAN	474	423	1,033	1,196	834	777	1,507	689	220	187	61.7	54.7
MAX	1,350	1,240	1,500	2,850	1,820	2,810	3,060	1,200	510	735	100	98
MIN	252	288	616	708	476	482	493	375	112	60	47	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

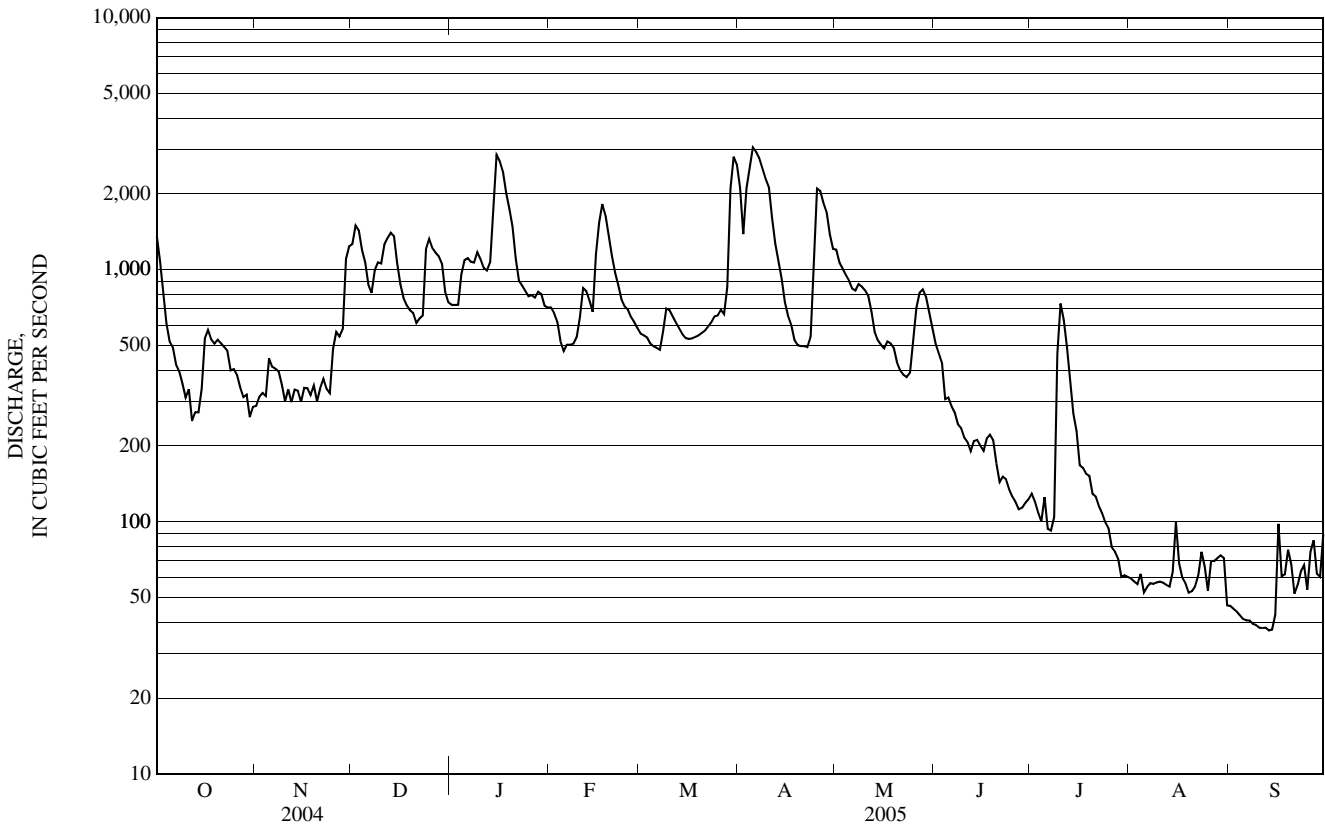
MEAN	274	435	571	645	652	1,118	1,150	618	428	236	217	251
MAX	1,478	1,553	1,939	1,289	1,606	3,627	2,788	1,090	1,200	1,773	2,935	2,276
(WY)	(1956)	(1956)	(1997)	(1937)	(1951)	(1936)	(1940)	(1945)	(1948)	(1938)	(1955)	(1938)
MIN	43.1	81.0	115	144	233	484	409	273	70.5	50.1	36.3	37.0
(WY)	(1958)	(2002)	(1931)	(1944)	(2002)	(2002)	(1966)	(1965)	(1999)	(1999)	(1999)	(1957)

e Estimated

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	202,600		226,431			
ANNUAL MEAN	554		620		553	
HIGHEST ANNUAL MEAN					988	1938
LOWEST ANNUAL MEAN					257	1965
HIGHEST DAILY MEAN	2,630	Apr 16	e3,060	Apr 5	26,400	Aug 20, 1955
LOWEST DAILY MEAN	81	Jun 24	c37	Sep 13	8.0	Sep 3, 1999
ANNUAL SEVEN-DAY MINIMUM	108	Sep 2	38	Sep 8	16	Sep 2, 1999
MAXIMUM PEAK FLOW			e3,060	Apr 5	a48,000	Aug 19, 1955
MAXIMUM PEAK STAGE					b26.50	Aug 19, 1955
INSTANTANEOUS LOW FLOW			8.0		3.9	Sep 2, 1999
10 PERCENT EXCEEDS	1,200		1,330		1,220	
50 PERCENT EXCEEDS	374		509		371	
90 PERCENT EXCEEDS	148		60		85	

- a From rating curve extended above 2,500 ft³/s on basis of computation of flow over dam at gage heights 17.28 and 19.45 ft and slope-area measurement of peak flow.
- b From floodmarks.
- c Also occurred Sep. 14.
- e Estimated



01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical analyses available for water years 1955, 1957-1958, 1959, 1960, 1962, 1970, 1972, January 1999 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 corrctd 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, mg/L (00915)	Magnesium, water, mg/L (00925)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)
OCT 13...	1015	191	1.9	10.3	102	7.4	168	19.0	14.0	28	8.41	1.81	16
NOV 23...	1100	332	1.8	11.8	103	7.0	188	9.0	6.5	30	8.72	2.10	17
JAN 19...	1045	1,720	2.3	14.8	100	6.8	167	-9.0	.0	--	<.02	<.008	10
APR 18...	1000	508	1.5	10.8	103	7.0	187	20.5	13.0	28	8.38	1.73	14
JUN 22...	1030	135	1.8	8.3	94	7.4	239	18.5	21.0	36	10.6	2.21	20
JUL 27...	1000	86	3.9	8.0	103	7.4	248	26.5	27.0	36	11.0	2.18	21
AUG 17...	0930	61	3.7	9.1	110	7.4	269	20.5	24.5	44	13.8	2.28	25
SEP 13...	0900	39	3.4	8.8	101	7.7	317	28.0	22.0	46	14.1	2.74	28

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

Date	Bicarbonate, wat fltrd incrm. ttr., field, mg/L (00453)	Chloride, water, mg/L (00940)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, mg/L as N (00608)	Nitrite + nitrate water, mg/L as N (00631)	Nitrite water, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, modif. m-TEC, water, col/100 mL (90902)
OCT 13...	20	82.6	109	<10	.38	<.04	.490	<.008	--	.87	.04	3.1	140
NOV 23...	21	37.3	107	<10	.37	<.04	.509	.013	--	.88	.05	2.2	300
JAN 19...	12	33.9	92	<10	.30	.04	.401	<.008	.25	.70	E.03n	.1	190
APR 18...	15	40.5	116	<10	.28	<.04	.468	E.007n	--	.75	<.04	.3	12k
JUN 22...	25	47.9	128	<10	.51	E.02n	.657	.009	--	1.2	.07	.0	140
JUL 27...	26	50.0	139	<10	.49	<.04	.404	E.005n	--	.89	E.04n	.4	160
AUG 17...	31	51.7	151	<10	.65	E.02n	.551	E.005n	--	1.2	.04	1.4	340
SEP 13...	34	65.3	166	<10	.76	<.04	.231	<.008	--	.99	.06	.9	230

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

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

Date	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recoverable, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)
OCT 13...	130	14	46	E.14n	<2	11	10.8	<.06	<.04	E.03n	1.2	1.5	.101
NOV 23...	180	18	40	<.20	<2	10	10.5	<.06	<.04	E.03n	E.7n	1.0	.090
JAN 19...	200	40	97	<.20	<2	11	10.3	E.04n	E.04n	E.04n	.30	.8	.124
APR 18...	16k	24	63	<.20	<2	12	12.5	<.06	E.03n	E.04n	E.7n	1.1	.128
JUN 22...	280k	17	49	E.15n	<2	13	23.3	<.06	E.02n	E.03n	1.5	1.3	.147
JUL 27...	270k	11	42	.21	<2	12	12.8	<.06	E.03n	.06	1.4	1.7	.112
AUG 17...	530	12	40	.27	1.1oc	14	14.8	<.06	E.04n	.06	2.6	1.7oc	.149
SEP 13...	560	16	49	.33	.94	13	13.3	E.06n	E.03n	E.04n	1.5oc	1.8oc	.270

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

Date	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recoverable, ug/L (01067)	Silver, water, fltrd, ug/L (01075)
OCT 13...	1.6	1.8	162	530	.26	1.14	26.0	44.6	E.01n	<.4	.73	.88	<.2
NOV 23...	1.4	1.5	217	420	.31	.62	22.2	29.3	<.01	<.4	.82	.75	<.2
JAN 19...	2.4	1.0	<6	330	.24	.85	37.8	49.0	E.01n	<.4	.95	.83	<.2
APR 18...	1.1	2.8v	101	300	.22	.81	57.9	67.6	<.01	E.2n	1.03	.89	<.2
JUN 22...	1.7	1.7	372	820	.71	1.91	61.6	75.5	<.01	E.4n	1.38	1.00	<.2
JUL 27...	2.1	2.5	216	600	.51	1.44	10.9	102	<.01	.6	1.18	1.14	<.2
AUG 17...	2.3	3.0	105	330	.28	.89	50.5	135	<.01	.9	1.40	1.50	<.2
SEP 13...	.9	2.1	122	360	1.06	1.05	9.6	143	<.01	E.2n	1.03	1.47	<.2

THAMES RIVER BASIN

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

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

Date	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover -able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
OCT 13...	<.16	1.5	2v	.04
NOV 23...	<.16	2.4	3	.05
JAN 19...	<.16	11.0	6	E.04n
APR 18...	<.16	3.2	5	.04
JUN 22...	<.16	1.6	3	E.04n
JUL 27...	<.16	1.1	2	E.03n
AUG 17...	<.16	1.4	3	.08
SEP 13...	<.16	.8	2	.08

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
v -- Analyte detected in laboratory blank

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

LOCATION.--Lat 41° 51'30", long 71° 55'28", Windham County, Hydrologic Unit 01100001, at Cotton Rd. Bridge 1.5 mi northwest of Rogers.

DRAINAGE AREA.--342 mi².

PERIOD OF RECORD.--Water years 1974-80, March 1995 to current year.

REVISED RECORDS.--WDR CT-74-80, 1995: Drainage area.

REMARKS.--Water-quality records for this site were published under station number 01125720 for water years 1974-80, March 1995 to September 30, 1995. This changes the drainage area from 376 mi² to 342 mi². Discharge for this location is computed by determining discharge at station 01125500 and adjusting that discharge by multiplying by a factor of 1.04, which is the ratio of the drainage areas of the two stations.

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 unfiltered 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 13...	1315	348	1.8	10.3	102	7.3	176	19.5	14.0	29	8.60	1.79	2.65
NOV 23...	1430	207	1.5	11.0	90	7.5	194	12.0	7.0	32	9.47	2.11	2.97
JAN 19...	1300	1,850	2.3	14.1	96	7.4	168	-6.0	.0	23	6.51	1.58	1.76
APR 18...	1315	528	2.1	10.8	105	7.3	196	22.0	14.0	29	8.78	1.79	2.09
JUN 22...	1315	160	2.3	8.8	100	7.4	239	23.5	21.0	40	12.0	2.34	3.03
JUL 27...	1300	95	2.5	8.2	106	7.4	288	27.0	28.0	48	15.3	2.33	4.66
AUG 17...	1230	62	1.9	6.9	82	7.5	349	25.5	23.5	64	21.6	2.46	6.99
SEP 13...	1130	47	1.6	6.9	78	7.4	364	27.0	21.5	62	19.9	2.90	6.73

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

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water, fltrd, mg/L as CaCO3 (39086)	Bicarbonate, water, fltrd, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00953)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat unfiltered mg/L (00500)	Residue on evap. at 180degC, wat fltrd mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	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 13...	19.3	16	20	34.8	<.1	6.09	7.7	112	107	<10	.33	.37	<.04
NOV 23...	22.5	17	21	38.7	E.1n	6.62	6.9	114	107	<10	.27	.34	<.04
JAN 19...	20.5	10	12	34.4	<.1	8.20	7.8	96	89	<10	.23	.28	E.04n
APR 18...	23.3	14	17	39.4	E.1n	5.29	9.1	124	112	<10	.35	.32	<.04
JUN 22...	28.7	29	35	47.9	E.1n	4.93	9.1	144	130	<10	.40	.51	<.04
JUL 27...	30.0	22	26	60.4	E.1n	3.47	9.9	172	157	<10	.39	.46	<.04
AUG 17...	32.9	31	38	72.0	E.1n	2.82	12.3	206	205	10	.51	.54	E.02n
SEP 13...	39.4	28	34	76.1	.1	2.55	13.9	215	221	<10	.45	.65	<.04

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, 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)	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)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)
OCT 13...	.518	<.008	.89	<.02	.025	.049	6.3	.8	120	280	12	47	E.12n
NOV 23...	.559	.012	.90	.02	.044	.058	5.2	2.0	110	140	19	38	<.20
JAN 19...	.427	E.005n	.71	<.02	.015	.029	4.5	.6	180	84	37	102	<.20
APR 18...	.528	E.006n	.85	<.02	.014	E.035	3.7	.0	4k	12k	23	65	<.20
JUN 22...	.731	.009	1.2	<.02	.023	.065	E3.9	.6	100	92	12	63	E.15n
JUL 27...	.690	.009	1.1	E.02n	.045	.086	5.0	1.2	37	37	11	64	.20
AUG 17...	.924	.013	1.5	E.01n	.033	.060	5.3	2.8	41	54	6	16	.26
SEP 13...	.893	.010	1.5	.04	.055	.090	E5.5	1.5	120	140	5	21	.31

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

Date	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover-able, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Cadmium, water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)
OCT 13...	<2	11	11.0	<.06	<.04	E.02n	E.5n	.9	.089	1.5	2.1	145	510
NOV 23...	<2	10	10.2	<.06	E.04n	<.04	E.6n	E.7n	.087	1.4	1.6	227	420
JAN 19...	<2	10	11.6	<.06	E.03n	.04	E.4n	1.3	.127	.9	1.2	87	360
APR 18...	<2	12	10.3	<.06	E.02n	E.03n	E.6n	1.0	.121	1.2	1.8v	88	290
JUN 22...	E1n	14	13.1	<.06	E.02n	E.04n	1.4	1.5	.131	1.5	1.9	243	760
JUL 27...	<2	17	21.2	<.06	E.03n	.05	1.1	1.7	.130	2.0	2.8	211	600
AUG 17...	1.1oc	24	23.4	<.06	.06	.04	1.2	1.4oc	.175	2.6	2.4	89	210
SEP 13...	1.1	21	22.9	<.06	<.04	E.03n	<.04oc	1.3voc	<.014	<.4	2.1	67	170

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

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

Date	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
OCT 13...	.26	1.10	20.8	36.8	<.01	E.2n	.76	.94	<.2	<.16	1.8	3v	E.04n
NOV 23...	.29	.58	17.2	23.5	<.01	E.2n	.81	.77	<.2	<.16	5.3	3	.04
JAN 19...	.12	.92	35.9	54.2	<.01	<.4	.71	.83	<.2	<.16	5.2	6	E.04n
APR 18...	.16	.75	53.0	62.9	<.01	E.2n	1.06	.85	<.2	<.16	2.9	4	E.03n
JUN 22...	.41	1.92	49.1	92.7	.01	.4	1.36	1.05	<.2	<.16	1.5	3	E.03n
JUL 27...	.45	40.0	52.1	152	.02	.7	1.33	1.43	<.2	<.16	2.0	4	E.03n
AUG 17...	.20	.40	70.6	117	.02	1.0	1.86	1.54	<.2	<.16	4.3	3	E.03n
SEP 13...	<.08	.42	<.2	83.4	<.01	<.4	<.06	1.54	<.2	<.16	4.4	5	<.04

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
v -- Analyte detected in laboratory blank

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, Hydrologic Unit 01100001, on left bank behind high school on Slater Avenue at Jewett City, 570 ft downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft downstream from railroad bridge and at mile 6.1.

DRAINAGE AREA.--713 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- July 1918 to current year.

REVISED RECORDS.--WSP 781: Drainage area. WSP 1301: 1919-26 (M). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 63.07 ft above sea level. Satellite 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 East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, and Buffumville Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, Buffumville Lake, Lake Chaubunagungamaug, Quaddick Reservoir, and other small reservoirs in the basin, and by a hydropower plant in Jewett City.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,830 ft³/s, Apr. 4, gage height, 13.45 ft; minimum discharge, 39 ft³/s, July 19, 20, gage height, 3.81 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	2,770	638	2,870	1,740	1,590	1,470	4,760	3,240	1,250	345	217	189
2	2,170	717	3,820	1,740	1,510	1,420	4,500	3,160	1,060	441	105	155
3	1,820	634	3,350	1,680	1,440	1,380	6,600	2,690	998	289	226	146
4	1,160	694	2,770	2,330	1,520	1,310	7,240	2,420	898	281	105	124
5	903	1,040	2,390	2,650	1,430	1,290	6,280	2,150	758	275	105	97
6	797	1,070	2,040	2,590	1,410	1,250	5,610	1,960	753	420	105	112
7	706	940	1,920	2,560	1,440	1,260	5,040	1,990	632	295	104	101
8	885	862	2,570	2,500	1,390	1,460	4,920	2,290	633	463	104	87
9	632	748	2,670	3,120	1,460	1,760	4,520	2,210	628	683	105	113
10	573	694	2,630	2,850	1,780	1,710	4,070	2,000	439	1,060	221	75
11	639	658	3,100	2,580	2,280	1,530	3,580	1,850	577	1,030	102	102
12	457	681	3,210	2,430	2,110	1,500	2,890	1,670	429	919	101	71
13	410	764	2,940	2,550	1,880	1,400	2,480	1,440	579	705	102	67
14	448	793	2,800	3,640	1,620	1,320	2,180	1,290	526	545	103	77
15	693	743	2,490	6,280	2,930	1,310	1,900	1,290	420	556	103	143
16	921	777	1,980	5,670	4,150	1,320	1,660	1,230	456	327	105	152
17	1,120	831	1,820	4,780	4,160	1,330	1,570	1,200	519	465	124	208
18	843	831	1,660	4,010	3,910	1,370	1,470	1,170	441	281	124	197
19	1,260	809	1,590	3,160	3,140	1,370	1,320	1,120	520	298	113	163
20	1,210	875	1,610	3,170	2,660	1,410	1,320	1,060	498	419	113	161
21	1,170	827	1,370	2,570	2,310	1,410	1,240	951	299	277	118	158
22	1,100	897	1,520	2,120	2,080	1,460	1,230	905	433	246	279	121
23	1,040	885	1,640	1,850	1,910	1,490	1,290	905	277	244	90	117
24	1,040	817	3,080	2,150	1,790	1,590	2,610	989	330	241	52	111
25	813	1,030	3,200	1,970	1,710	1,670	3,380	1,250	359	244	74	120
26	885	1,300	2,770	1,910	1,610	1,780	4,000	1,700	254	233	98	112
27	841	1,210	2,440	1,860	1,560	1,730	3,480	1,990	241	232	110	167
28	789	1,290	2,050	1,900	1,540	2,200	3,950	2,130	294	259	101	158
29	669	2,940	2,320	1,830	---	6,500	3,390	1,930	363	105	112	164
30	766	2,890	2,020	1,640	---	6,950	2,840	1,630	402	105	176	154
31	751	---	1,700	1,610	---	5,730	---	1,390	---	105	199	---
TOTAL	30,281	29,885	74,340	83,440	58,320	60,680	101,320	53,200	16,266	12,388	3,896	3,922
MEAN	977	996	2,398	2,692	2,083	1,957	3,377	1,716	542	400	126	131
MAX	2,770	2,940	3,820	6,280	4,160	6,950	7,240	3,240	1,250	1,060	279	208
MIN	410	634	1,370	1,610	1,390	1,250	1,230	905	241	105	52	67

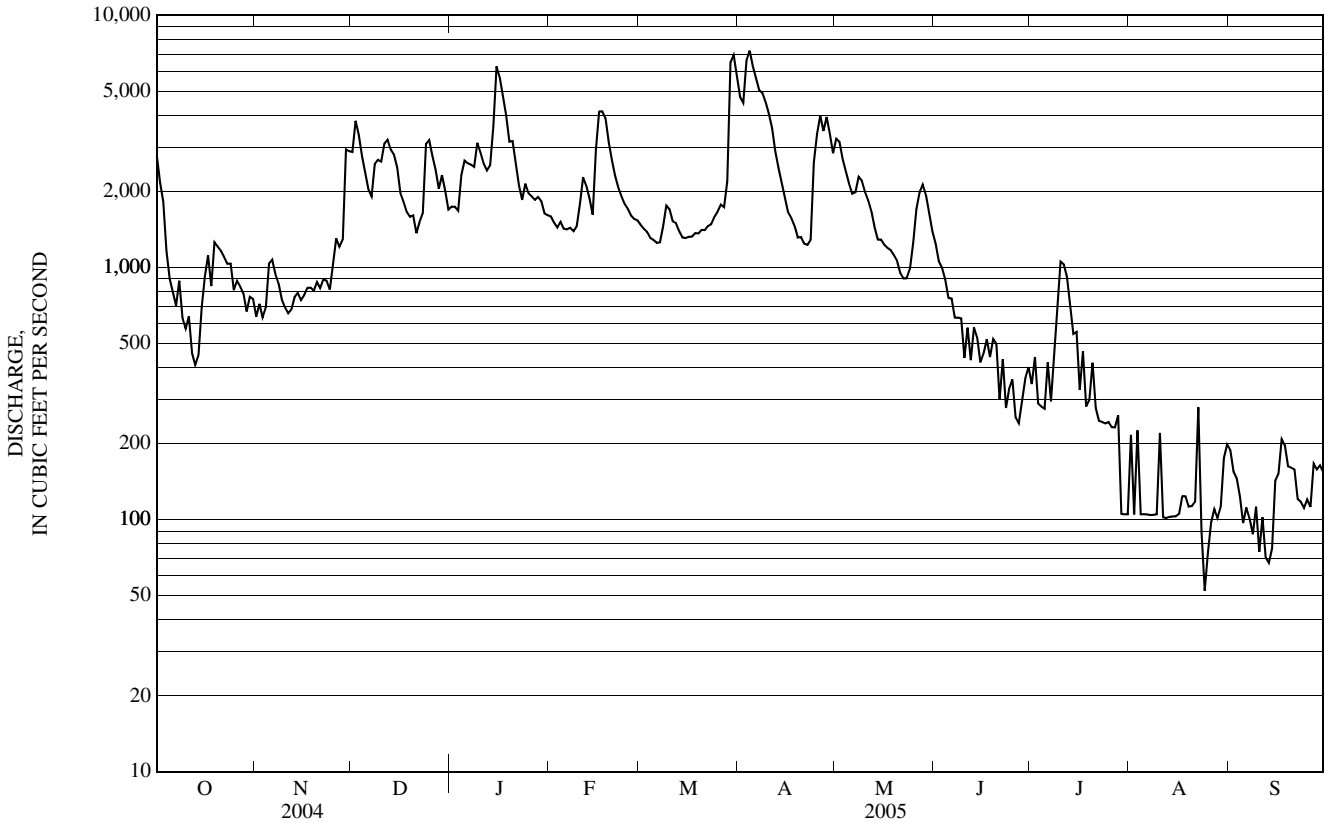
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2005, BY WATER YEAR (WY)

MEAN	659	1,063	1,489	1,602	1,656	2,519	2,458	1,520	1,022	548	481	509
MAX	3,279	3,443	4,447	5,694	3,919	6,930	5,519	2,842	4,758	4,110	3,918	3,502
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	132	189	281	219	473	1,114	854	620	235	122	98.4	97.4
(WY)	(1931)	(1966)	(1931)	(1981)	(1980)	(2002)	(1966)	(1930)	(1999)	(1995)	(1957)	(1957)

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1919 - 2005	
ANNUAL TOTAL	493,155		527,938		1,291	
ANNUAL MEAN	1,347		1,446		2,015	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					1930	
HIGHEST DAILY MEAN	12,200	Apr 14	7,240	Apr 4	35,300	Aug 20, 1955
LOWEST DAILY MEAN	105	Sep 6	52	Aug 24	a18	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	217	Sep 1	85	Sep 8	52	Aug 31, 1995
MAXIMUM PEAK FLOW			7,830	Apr 4	b40,700	Aug 20, 1955
MAXIMUM PEAK STAGE			13.45	Apr 4	c29.00	Aug 20, 1955
INSTANTANEOUS LOW FLOW			39	Jul 19	d16	Sep 25, 1948
10 PERCENT EXCEEDS	2,890		3,130		2,790	
50 PERCENT EXCEEDS	952		1,230		910	
90 PERCENT EXCEEDS	338		113		232	

- a Also occurred Dec. 11, 1949.
- b From rating curve extended above 11,000 ft³/s by computation of peak flows over three nearby dams at gage heights 21.7 ft, 22.5 ft., 24.0 ft., and 29.0 ft.
- c From floodmarks.
- d Also occurred on Nov. 18, 1950.



01127000 QUINEBAUG RIVER AT JEWETT CITY, CT—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1990.

WATER TEMPERATURES: October 1955 to September 1956, October 1968 to September 1990.

INSTRUMENTATION.--Temperature recorder Oct. 1, 1968, to Sept. 30, 1974. Water-quality monitor October 1974 to September 1990.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 309 microsiemens July 23, 1975; minimum, 42 microsiemens June 14, 1975, March 23, 1980, July 27-28, 1990.

WATER TEMPERATURES: Maximum, 32.5° C Aug. 2, 1975, May 8, 1977; minimum, 0.0° C on many days during winter period.

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)
NOV 18...	0915	790	1.7	13.1	100	7.0	142	13.0	4.5	29	8.31	1.92	2.66
JAN 10...	0945	2,880	1.3	13.7	99	7.0	130	4.0	2.0	21	5.86	1.45	1.67
MAR 08...	0945	1,390	1.4	13.1	102	7.0	144	5.5	3.5	24	6.50	1.82	1.47
MAY 17...	0900	1,240	2.5	9.2	94	7.1	134	17.0	16.5	23	6.74	1.60	1.96
JUN 21...	0900	130	1.2	8.3	91	7.3	170	20.0	20.5	31	9.19	2.06	3.08
JUL 28...	0915	795	3.9	8.2	102	7.4	201	16.0	26.5	37	11.5	2.05	3.78
AUG 25...	0830	59	7.3	6.5	74	7.6	256	15.5	22.0	47	14.7	2.59	5.29
SEP 15...	0945	82	2.3	6.5	75	7.3	248	19.0	22.5	47	14.7	2.51	5.28

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

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, 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)
NOV 18...	13.6	16	20	23.7	E.1n	7.55	7.9	85	84	.32	.41	.07	.48
JAN 10...	14.8	8	10	24.2	<.1	8.39	7.5	80	77	.21	.25	<.04	.45
MAR 08...	12.6	11	13	25.4	E.1n	10.2	8.2	93	91	.26	.25	E.03n	.67
MAY 17...	14.4	11	14	23.0	<.1	3.50	7.8	84	82	.38	.39	E.04n	.40
JUN 21...	17.1	18	22	29.9	<.1	4.84	8.7	95	102	.36	.42	E.02n	.65
JUL 28...	19.8	24	29	35.1	E.1n	2.45	9.1	115	115	.45	.65	<.04	.21
AUG 25...	25.5	32	39	45.9	E.1n	3.17	11.7	143	148	.46	.72	<.04	E.05n
SEP 15...	23.4	31	38	42.7	E.1n	.88	12.1	136	131	.47	.53	.06	.24

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT—Continued

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)	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, water, 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)	Beryllium, water, fltrd, ug/L (01010)
NOV 18...	.010	.34	.89	E.01n	.030	.046	6.0	1,300	2,000	28	<.20	10	E.03n
JAN 10...	.010	--	.70	<.02	.016	.028	4.6	110	140	56	<.20	10	E.03n
MAR 08...	E.004n	--	.92	E.01n	.030	.040	3.6	15k	40k	35	<.20	10	<.06
MAY 17...	E.007n	--	.79	<.02	.011	.040	5.0	16k	15k	24	<.20	10	<.06
JUN 21...	.011	--	1.1	<.02	.026	.050	5.0	25k	17k	12	E.14n	11	<.06
JUL 28...	E.005n	--	.87	<.02	.016	.071	6.3	580	420	17	E.17n	13	<.06
AUG 25...	<.008	--	--	<.02	.019	.057	8.1	30	41	35	.29c	12	<.06
SEP 15...	.008	.47	.77	<.02	.021	.044	5.9	44	62	9	.25	16	<.06

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

Date	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)
NOV 18...	<.04	<.8	.081	1.0	199	.19	13.5	E.3n	1.75	<.2	2.5	E.04n
JAN 10...	<.04	<.8	.096	.8	142	.17	22.0	<.4	.53	<.2	3.6	.04
MAR 08...	<.04	<.8	.094	.7	65	.10	27.1	<.4	.61	<.2	3.5	E.03n
MAY 17...	<.04	E.5n	.113	1.0	116	.17	35.9	<.4	.50	<.2	1.9	E.03n
JUN 21...	<.04	E.7n	.074	1.2	236	.34	17.3	.4	.86	<.2	1.4	E.03n
JUL 28...	<.04	<.8	.084	1.9	129	.23	1.7	.6	1.01	<.2	1.5	E.03n
AUG 25...	<.04	<.8	.162	2.3	144	.22	48.7	.9	1.18	<.2	1.4	.04
SEP 15...	<.04	.62oc	.130	1.5	70	.11	40.5	.7	1.51	<.2	.9	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

o -- Result determined by alternate method

THAMES RIVER BASIN

01127500 YANTIC RIVER AT YANTIC, CT

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, Hydrologic Unit 01100003, on left bank at Yantic, 700 ft downstream from stone-arch highway bridge, 1 mi downstream from Susquetonscut Brook, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--89.3 mi².

PERIOD OF RECORD.--Discharge: October 1930 to current year. Water-quality records: Water years 1958, 1968-80. Daily suspended-sediment discharge: Water years 1975-80.

REVISED RECORDS.--WSP 1051: 1931-36. WSP 1301: 1934 (M). WDR CT-78-1: 1970-77 (P). WDR CT-82-1: 1979-80 (P). WDR CT-83-1: Drainage area, 1979 (P), 1982 (P).

GAGE.--Water-stage recorder. Datum of gage is 94.46 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Low flow regulated by mills upstream. City of Norwich automated flood warning system is on site.

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)
Nov 28	2145	1,240	5.95	Mar 29	0430	*2,140	*7.61
Dec 1	1645	1,510	6.51	Apr 3	0545	1,920	7.27
Jan 14	1930	1,630	6.75	Apr 24	1045	1,420	6.34
Feb 15	0830	1,350	6.20				

Minimum discharge, 3.8 ft³/s, Sep. 14, 15, gage height, 0.65 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	281	92	820	e229	e155	e160	370	480	95	39	9.5	6.4
2	190	93	836	218	e150	e155	759	385	85	32	9.3	6.1
3	158	100	471	209	e145	e145	1,500	311	76	24	8.9	5.8
4	127	107	348	387	e150	e139	774	262	68	19	8.6	5.5
5	105	307	293	351	e165	e135	481	225	61	16	8.5	5.3
6	89	225	252	308	e166	e134	366	200	55	25	8.3	5.0
7	95	173	287	315	e167	e137	313	248	51	41	8.1	4.6
8	81	146	461	371	e166	237	418	282	52	53	8.1	4.6
9	71	131	376	502	e175	248	368	238	45	122	8.1	4.3
10	67	130	436	367	308	e225	290	204	40	71	7.9	4.2
11	62	124	617	314	328	e165	250	176	38	43	7.5	4.1
12	59	126	466	314	243	e155	222	155	34	31	7.3	4.0
13	56	227	356	349	202	e145	202	135	31	25	7.0	3.9
14	57	200	300	1,030	183	e140	187	128	27	23	6.9	3.9
15	67	179	247	1,050	1,010	148	170	123	24	20	7.3	11
16	253	184	e205	558	726	163	158	118	23	18	7.0	7.3
17	191	176	e195	399	553	173	152	121	32	17	6.7	7.6
18	132	161	e185	e281	384	183	144	103	28	18	6.4	9.4
19	255	147	e180	e250	e257	192	143	92	27	26	6.3	8.6
20	319	135	e179	e231	e226	191	143	88	25	41	6.2	7.6
21	214	157	e175	e217	e211	189	130	83	22	31	6.6	7.2
22	164	158	e178	e207	e205	194	116	78	20	22	6.2	6.5
23	152	142	273	e202	e195	193	232	76	19	16	5.9	6.4
24	136	141	762	e196	e185	210	1,250	95	17	13	5.3	6.1
25	126	283	451	e193	e178	244	761	144	15	12	5.2	5.9
26	116	285	e290	e189	e168	283	439	189	14	11	4.9	6.7
27	109	233	e250	e186	e165	262	457	164	12	11	4.7	8.3
28	110	456	e230	e185	e155	651	511	178	13	11	4.7	6.5
29	100	863	e210	e184	---	1,640	374	143	16	11	4.6	7.4
30	95	457	e200	e176	---	784	319	115	38	10	7.0	7.2
31	99	---	198	e163	---	468	---	99	---	9.4	5.9	---
TOTAL	4,136	6,338	10,727	10,131	7,321	8,488	11,999	5,438	1,103	861.4	214.9	187.4
MEAN	133	211	346	327	261	274	400	175	36.8	27.8	6.93	6.25
MAX	319	863	836	1,050	1,010	1,640	1,500	480	95	122	9.5	11
MIN	56	92	175	163	145	134	116	76	12	9.4	4.6	3.9
CFSM	1.49	2.37	3.87	3.66	2.93	3.07	4.48	1.96	0.41	0.31	0.08	0.07
IN.	1.72	2.64	4.47	4.22	3.05	3.54	5.00	2.27	0.46	0.36	0.09	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

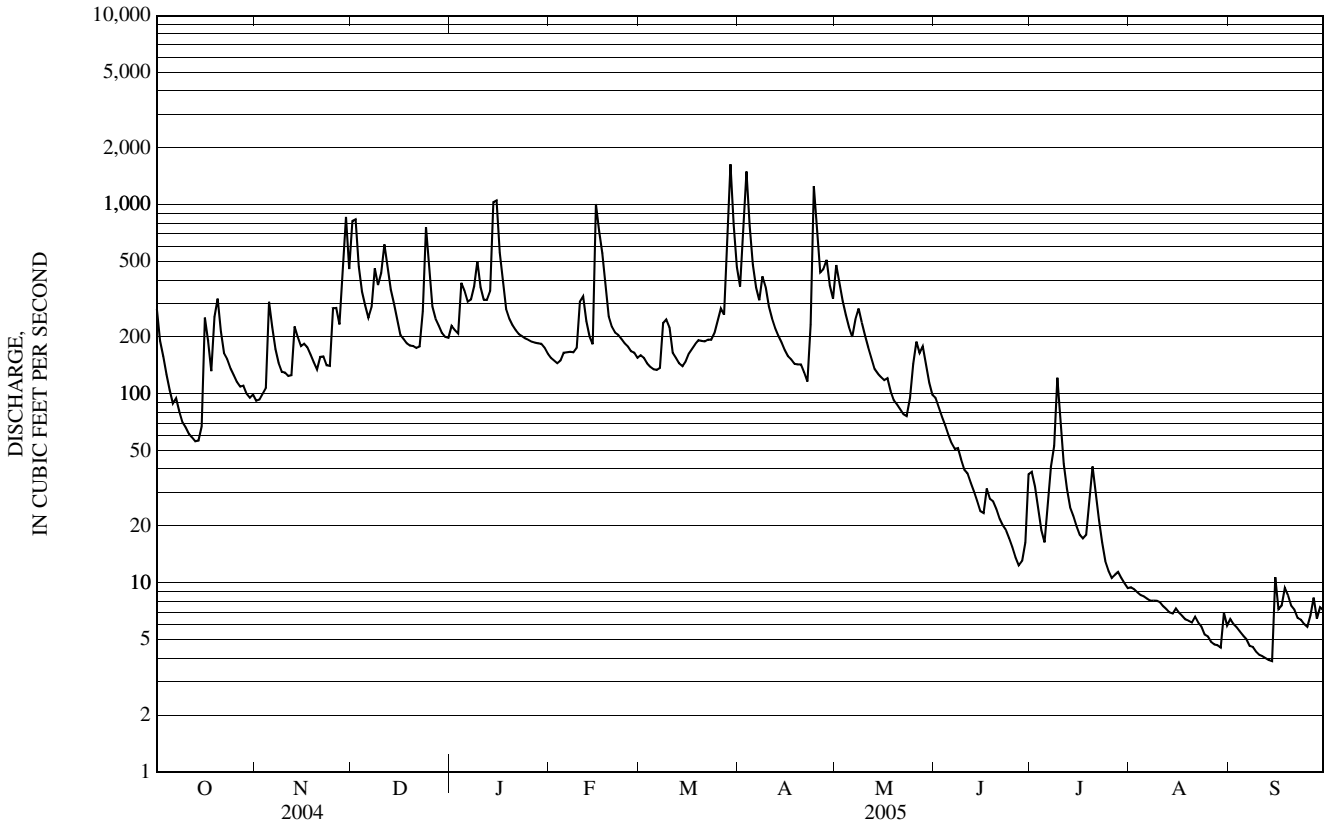
MEAN	82.2	147	207	232	236	342	299	180	116	50.8	44.1	54.7
MAX	676	498	660	1,130	531	782	886	409	892	553	245	718
(WY)	(1956)	(1956)	(1973)	(1979)	(1970)	(1936)	(1983)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	8.15	19.8	28.5	38.7	53.2	137	80.7	56.3	16.3	7.05	5.85	5.83
(WY)	(1942)	(1966)	(1944)	(1966)	(2002)	(1981)	(1985)	(1986)	(1964)	(1991)	(1957)	(1957)

e Estimated

01127500 YANTIC RIVER AT YANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931 - 2005	
ANNUAL TOTAL	67,227		66,944.7		165	
ANNUAL MEAN	184		183		71.7	
HIGHEST ANNUAL MEAN					281	1938
LOWEST ANNUAL MEAN					71.7	1966
HIGHEST DAILY MEAN	2,810	Apr 14	1,640	Mar 29	8,690	Jun 6, 1982
LOWEST DAILY MEAN	14	Jul 23	c3.9	Sep 13	2.3	Aug 30, 1963
ANNUAL SEVEN-DAY MINIMUM	18	Jul 21	4.1	Sep 8	3.0	Aug 30, 1963
MAXIMUM PEAK FLOW			2,140	Mar 29	a13,500	Sep 21, 1938
MAXIMUM PEAK STAGE			7.61	Mar 29	b14.66	Sep 21, 1938
INSTANTANEOUS LOW FLOW			3.8	Sep 14	2.2	Aug 30, 1963
ANNUAL RUNOFF (CFSM)	2.06		2.05		1.85	
ANNUAL RUNOFF (INCHES)	28.00		27.89		25.16	
10 PERCENT EXCEEDS	362		386		368	
50 PERCENT EXCEEDS	121		145		95	
90 PERCENT EXCEEDS	24		7.0		13	

- a From computation of flow over two dams 2.4 mi upstream and 3.0 mi downstream, respectively.
- b A slightly higher gage height of 14.88 ft occurred on June 6, 1982 due to reconstruction of the river bank following the flood of 1938.
- c Also occurred Sep. 14.



RESERVOIRS IN THAMES RIVER BASIN

- 01119259 STAFFORDVILLE RESERVOIR.**--Lat 41°59'46", long 72°15'37", Tolland County, Conn. , Hydrologic Unit 01100002 on Furnace Brook in Willimantic River basin, at Staffordville. Drainage area, 8.34 mi². Usable capacity, 75,500,000 ft³, based on reservoir survey by Connecticut Board of Fisheries and Game. Records available, September 1960 to 1992. Dam was built after 1886 flood for storage of water for power and industrial supply.
- 01121500 MANSFIELD HOLLOW LAKE.**--Lat 41°45'22", long 72°10'57", Tolland County, Conn., Hydrologic Unit 01100002, on Natchaug River at Mansfield Hollow, 3.5 mi northeast of Willimantic. Drainage area, 160 mi². Usable capacity, 2,260,000,000 ft³, including 90,000,000 ft³ storage in recreation pool. Records available, March 1952 to current year. Completed in 1952 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.
- 01123350 EAST BRIMFIELD LAKE.**--Lat 42°06'32", long 72°07'35", Worcester County, Mass., Hydrologic Unit 01100001, on Quinebaug River, 0.7 mi southeast of Fiskdale, 1.2 mi east of East Brimfield. Drainage area, 67.5 mi². Usable capacity, 1,400,000,000 ft³, including 83,000,000 ft³ storage in recreation and conservation. Records available, July 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for recreation, conservation, and flood control. Records furnished by Corps of Engineers.
- 01123550 WESTVILLE LAKE.**--Lat 42°04'55", long 72°03'28", Worcester County, Mass., Hydrologic Unit 01100001, on Quinebaug River, 1.3 mi west of Southbridge. Drainage area, 99.1 mi². Usable capacity, 484,000,000 ft³, including 4,400,000 ft³ storage in recreation pool. Records available, February 1962 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.
- 01124150 WEST THOMPSON LAKE.**--Lat 41°56'40", long 71°54'00", Windham County, Conn. , Hydrologic Unit 01100001, on Quinebaug River above mouth of French River, at West Thompson. Drainage area, 172 mi². Usable capacity, 1,170,000,000 ft³, including 52,000,000 ft³ storage in recreation pool. Records available, July 1965 to current year. Completed in 1965 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.
- 01124300 HODGES VILLAGE RESERVOIR.**--Lat 42°07'09", long 71°52'51", Worcester County, Mass. , Hydrologic Unit 01100001, on French River at Hodges Village. Drainage area, 31.0 mi². Usable capacity, 577,000,000 ft³. Records available, February 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for flood control. Records furnished by Corps of Engineers.
- 01124400 BUFFUMVILLE LAKE.**--Lat 42°06'58", long 71°54'29", Worcester County, Mass. , Hydrologic Unit 01100001, on Little River in French River basin, at Buffumville, 2.2 mi west of Oxford. Drainage area, 26.5 mi². Usable capacity, 555,000,000 ft³, including 61,000,000 ft³ storage in recreation pool. Records available, September 1958 to current year. Completed in 1958 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

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