

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT

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

DRAINAGE AREA.--9,660 mi².

WATER-DISCHARGE RECORDS

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 75,900 ft³/s, Apr. 17, gage height, 4.33 ft; minimum discharge, 1,050 ft³/s, Oct. 21, gage height, -2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5300	4790	9480	4590	13100	18500	38900	28800	16000	19600	6520	4050
2	5180	4360	8240	4800	12200	16600	49200	28000	19300	14100	7880	5400
3	4210	4970	9030	8490	11700	18000	50000	29500	21500	13000	5600	5490
4	4670	3970	10400	8260	11800	18600	42000	30900	20800	12900	4420	3570
5	5440	4270	9770	7470	10300	21800	41400	26900	19700	9310	5740	4120
6	4980	7110	9450	7470	10500	23300	38400	25100	19900	7850	8160	3570
7	3220	2920	7540	6050	10300	17900	33100	23600	28700	7140	5830	4020
8	3570	7260	6270	e5800	9480	16100	28300	20300	32300	7930	3300	3520
9	3060	8330	6970	6140	7320	13600	22900	19000	25200	10300	3070	3080
10	3620	6720	6020	6400	6750	15600	21100	18800	20300	10900	2560	3780
11	2730	4460	5860	6760	7550	28200	29600	17500	15300	9910	2940	4020
12	3740	5180	4060	6590	13700	36200	33000	15600	15100	7310	3620	2850
13	3840	6520	4880	6100	10600	31700	28300	18000	21700	6510	3850	2870
14	3470	5520	6150	5390	12600	24600	34300	42000	41100	5210	5840	2780
15	4630	3870	7530	7190	11900	23000	59500	59300	49200	5240	5280	2940
16	4690	3730	11500	7810	9800	23600	70700	53300	44900	7410	3830	4030
17	4190	3190	9800	6480	9030	21300	72100	41800	38000	6590	3570	4300
18	4410	3330	9520	6660	8760	19700	65300	36700	30400	9240	4320	5030
19	3400	3320	9590	6030	11000	19900	61100	41300	21800	8690	2980	4710
20	3550	5130	8110	5570	12900	17400	56000	41100	19100	8010	3210	4420
21	1560	6250	7300	5430	13500	17900	48600	36700	16000	9160	2990	4470
22	3620	6180	6670	5860	12500	16100	41400	31200	15100	10300	2580	3510
23	4640	3640	6150	5780	15000	15600	35500	28000	14000	e10700	2850	4890
24	4070	4230	8300	5570	17100	15100	26300	22200	15200	e8330	2420	4770
25	5990	4920	7990	5730	17500	14000	24900	17800	18700	5930	2740	3610
26	5770	5200	6440	5660	16000	13800	24500	16200	14300	4950	3430	6090
27	5170	5840	6530	8770	15000	16300	23300	16000	14500	5370	4500	6760
28	3470	6430	7760	10300	17000	20600	21600	15400	17100	4040	3970	9470
29	4630	7310	7330	8130	---	21700	24300	16100	23400	5820	3380	6680
30	7790	9540	5960	10000	---	21600	26900	15200	20400	8220	3540	6560
31	5640	---	4130	11100	---	28600	---	e14400	---	7850	3930	---
TOTAL	134250	158490	234730	212380	334890	626900	1172500	846700	689000	267820	128850	135360
MEAN	4331	5283	7572	6851	11960	20220	39080	27310	22970	8639	4156	4512
MAX	7790	9540	11500	11100	17500	36200	72100	59300	49200	19600	8160	9470
MIN	1560	2920	4060	4590	6750	13600	21100	14400	14000	4040	2420	2780

STATISTICS of MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

MEAN	10090	14730	15570	14150	13660	25060	45330	27070	13900	7931	6976	7151
MAX	31730	33310	39000	30180	39100	89210	76050	51520	42600	28810	22530	42700
(WY)	1978	1996	1997	1978	1981	1936	1960	1972	1984	1973	1955	1938
MIN	2690	5015	5548	4311	4386	6965	14920	9611	4900	3202	2911	2719
(WY)	1964	1965	1948	1931	1940	1940	1995	1941	1964	1962	1965	1964

e Estimated.

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	5062800		4941870		16780	
ANNUAL MEAN	13870		13540		24920	
HIGHEST ANNUAL MEAN					7847	1996
LOWEST ANNUAL MEAN					103000	1965
HIGHEST DAILY MEAN	103000	Apr 24	72100	Apr 17	278000	Mar 20 1936
LOWEST DAILY MEAN	1560	Oct 21	1560	Oct 21	968	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	2740	Aug 25	2820	Aug 19	1870	Aug 15 1964
MAXIMUM PEAK FLOW			75900	Apr 17	282000	Mar 20 1936
MAXIMUM PEAK STAGE			4.33	Apr 17	16.60	Mar 20 1936
INSTANTANEOUS LOW FLOW			1050	Oct 21	968	Oct 20 1963
10 PERCENT EXCEEDS	26700		29900		37200	
50 PERCENT EXCEEDS	8880		8160		11200	
90 PERCENT EXCEEDS	3490		3570		4070	

a From floodmarks.

