Water-Data Report 2013

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT

Lower Connecticut Basin
Lower Connecticut Subbasin

LOCATION.--Lat 41°59′14″, long 72°36′21″ referenced to North American Datum of 1927, Hartford County, CT, 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 mi^2.

SURFACE-WATER 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 National Geodetic Vertical Datum of 1929. 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. 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 ft^3.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01184000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01184000.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7,910	39,100	4,970	13,100	33,800	15,200	23,400	14,500	29,700	33,100	9,040	7,240
2	7,980	35,400	4,620	14,300	38,300	16,100	29,800	14,500	23,900	35,600	8,120	7,850
3	12,100	25,700	6,480	14,600	29,700	13,800	32,500	12,700	22,900	46,100	8,060	13,000
4	10,300	18,800	7,680	11,200	23,900	14,000	26,600	11,100	22,500	65,200	9,200	12,800
5	8,900	16,700	8,160	9,870	20,800	12,100	23,800	10,100	22,200	55,400	6,700	10,600
6	7,960	15,900	9,700	9,980	20,300	9,810	20,900	10,900	20,500	44,400	9,150	7,520
7	5,970	15,700	12,000	11,500	17,400	9,470	21,500	11,600	19,000	36,500	5,410	4,780
8	8,610	12,900	13,900	12,000	17,100	11,800	21,200	10,100	31,700	30,100	8,920	6,980
9	8,860	11,700	9,870	11,300	13,000	10,100	23,900	10,100	40,100	25,900	11,200	8,520
10	7,690	10,300	13,400	8,470	11,000	10,800	35,200	12,600	38,100	23,400	19,900	4,320
11	7,860	8,880	15,900	9,850	15,200	11,400	49,500	14,000	40,600	29,200	20,200	4,330
12	8,320	9,680	17,800	10,300	16,700	14,800	57,200	16,400	56,400	35,600	12,900	8,450
13	10,400	8,550	19,500	12,100	15,100	31,200	48,000	13,700	67,300	27,400	12,300	13,500
14	11,400	11,000	17,700	12,800	14,600	54,500	42,200	14,700	72,500	22,400	11,300	21,800
15	9,940	12,700	12,700	16,800	13,100	48,600	40,300	13,400	64,800	20,100	10,800	22,100
16	12,900	14,500	10,900	21,300	12,300	35,100	36,100	13,900	46,200	18,800	8,190	19,700
17	12,000	9,720	12,100	20,400	11,700	27,500	36,900	10,400	35,500	16,900	5,270	17,400
18	11,100	7,700	13,300	17,000	12,200	25,400	40,000	9,050	28,500	14,100	8,000	15,500
19	9,430	8,120	15,700	14,200	13,200	22,800	40,700	8,050	29,400	13,700	7,300	10,300
20	20,300	10,000	21,400	11,800	10,400	21,600	41,300	8,320	24,700	16,200	7,280	9,270
21	25,200	9,920	23,600	13,100	10,300	19,200	55,200	10,800	20,300	16,700	4,440	8,700
22	21,300	6,960	35,300	15,300	10,400	17,800	52,100	11,700	16,400	13,100	9,300	6,530
23	15,400	5,860	39,400	14,400	9,560	15,500	41,400	25,400	14,600	17,100	5,270	9,790
24	14,200	7,860	34,800	13,000	7,590	14,300	35,900	39,200	15,200	25,300	5,160	13,900
25	10,500	6,700	27,400	14,000	9,940	14,200	26,200	43,500	18,400	27,300	3,970	9,200
26	8,580	8,260	21,400	10,500	9,700	16,000	23,300	53,900	19,500	16,900	4,190	9,860
27	12,000	8,390	17,700	9,240	10,500	14,000	22,500	63,300	20,800	14,000	8,000	7,740
28	13,600	10,100	17,700	8,700	15,500	13,800	19,700	58,600	29,200	12,900	5,840	6,550
29	12,300	9,050	16,600	9,450	---	16,400	17,000	51,500	48,200	11,200	4,970	6,790
30	14,200	7,350	14,400	8,390	---	17,800	16,400	48,200	42,100	11,300	4,500	7,170
31	29,200	---	13,500	13,500	---	18,400	---	39,500	---	11,500	6,330	---
Total	376,410	383,500	509,580	392,450	443,290	593,480	1,000,700	685,720	981,200	787,400	261,210	312,190
Mean	12,140	12,780	16,440	12,660	15,830	19,140	33,360	22,120	32,710	25,400	8,426	10,410
Max	29,200	39,100	39,400	21,300	38,300	54,500	57,200	63,300	72,500	65,200	20,200	22,100
Min	5,970	5,860	4,620	8,390	7,590	9,470	16,400	8,050	14,600	11,200	3,970	4,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11,330	15,610	16,710	14,790	13,850	25,330	44,770	26,770	14,430	8,583	7,569	7,620
Max	47,520	34,970	39,000	39,610	39,100	89,210	76,050	51,520	42,600	28,810	25,060	42,700
(WY)	(2006)	(2006)	(1997)	(2006)	(1981)	(1936)	(1960)	(1972)	(1984)	(1973)	(2008)	(1938)
Min	2,690	5,015	5,548	4,311	4,386	6,965	14,920	9,611	4,900	3,202	2,911	2,719
(WY)	(1964)	(1965)	(1948)	(1931)	(1940)	(1940)	(1995)	(1941)	(1964)	(1962)	(1965)	(1964)

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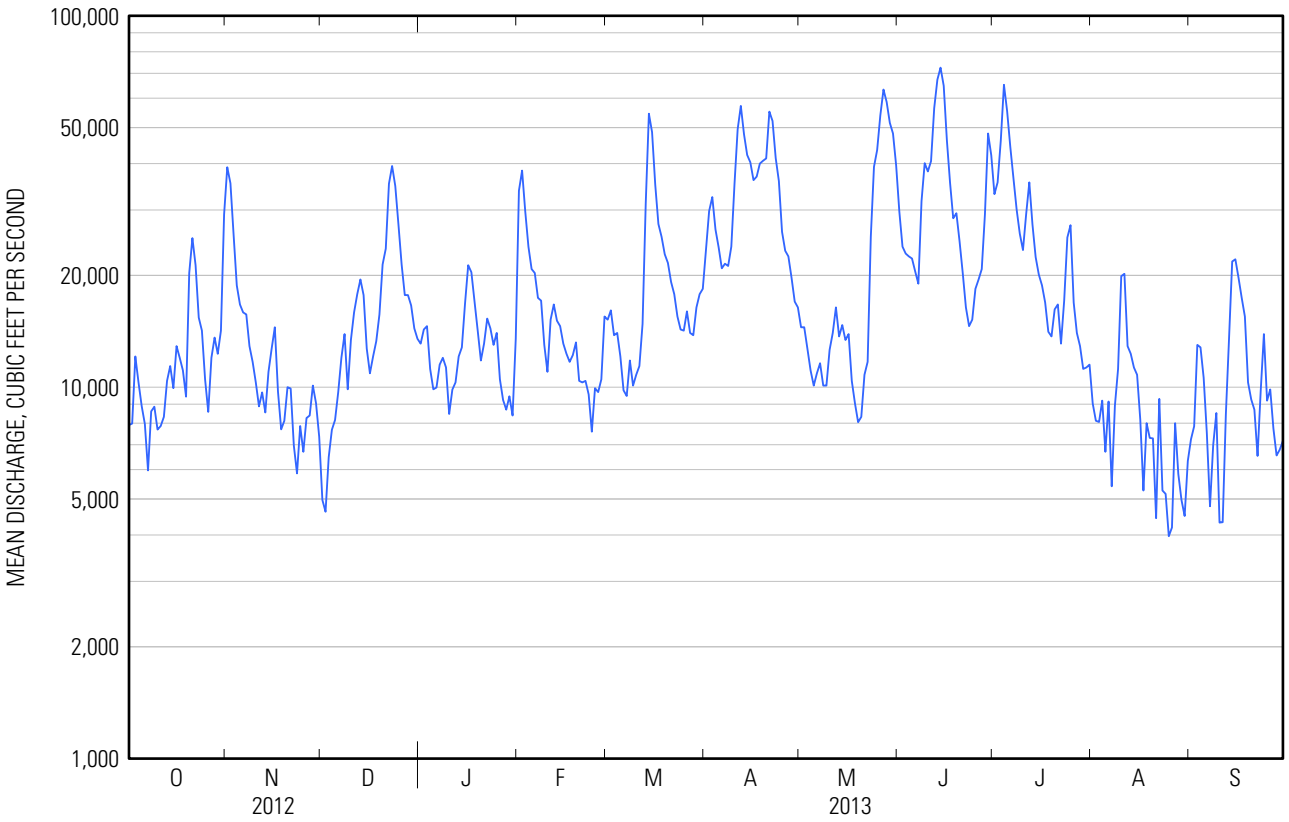
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1928 - 2013	
Annual total	5,104,380		6,727,130			
Annual mean	13,950		18,430		17,260	
Highest annual mean					26,460	2006
Lowest annual mean					7,847	1965
Highest daily mean	43,900	Apr 25	72,500	Jun 14	278,000	Mar 20, 1936
Lowest daily mean	2,310	Aug 27	3,970	Aug 25	968	Oct 20, 1963
Annual seven-day minimum	3,100	Aug 29	5,230	Aug 24	1,870	Aug 15, 1964
Maximum peak flow			75,400	Jun 14	282,000	Mar 20, 1936
Maximum peak stage			4.39	Jun 14	[a]16.60	Mar 20, 1936
Instantaneous low flow			3,120	Aug 26	968	Oct 20, 1963
10 percent exceeds	28,800		38,600		38,100	
50 percent exceeds	11,600		13,900		11,700	
90 percent exceeds	3,990		7,720		4,200	

[a] From floodmarks.