

Water-Data Report 2013

**01131500 CONNECTICUT RIVER NEAR DALTON, NH**

Upper Connecticut Basin  
Upper Connecticut Subbasin

LOCATION.--Lat 44°24'36", long 71°43'16" referenced to North American Datum of 1927, Coos County, NH, Hydrologic Unit 01080101, on left bank, 250 ft. upstream from Dalton Hill Road bridge, 1,200 ft. downstream from dam of Gilman Paper Co., 0.3 miles south of Post Office in Gilman, VT, 0.3 miles north of Dalton Hill Road and State Highway 135 intersection in Cusham, 1.2 miles downstream from Dalton, and at mile 300.1.

DRAINAGE AREA.--1,514 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Discharge records: March 1927 to current year. Published as "at Waterford, VT" 1927-35. Records published for both sites January to September 1935.

REVISED RECORDS.--WSP 891: Drainage area. WSP 1231: 1935. WSP 1301: 1928-35(M).

GAGE.--Water-stage recorder. Datum of gage is 799.89 ft above National Geodetic Vertical Datum of 1929. Prior to September 30, 1935, nonrecording gage at bridge 10.5 mi downstream at mean sea level. January 1, 1935 to June 29, 1937, nonrecording gage at bridge 250 ft downstream at present datum. July 11, 1956 to June 1, 1961, auxiliary nonrecording gage read hourly at same site.

COOPERATION.--New Hampshire Department of Environmental Services.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by power plants and by First Connecticut and Second Connecticut Lakes, Lake Francis, and other reservoirs. These reservoirs have a combined usable capacity of about 8.3 billion ft<sup>3</sup>.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,200 ft<sup>3</sup>/s, May 26, gage height, 18.18 ft; minimum daily discharge, 653 ft<sup>3</sup>/s, Aug. 26.

## 01131500 CONNECTICUT RIVER NEAR DALTON, NH—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,470	5,990	e894	e2,300	8,040	e1,090	3,560	3,690	4,680	4,240	1,420	1,190
2	2,920	4,180	1,140	e2,400	8,390	e1,090	4,280	3,510	3,950	5,800	1,290	1,210
3	3,100	3,250	2,330	e2,420	6,340	e1,080	3,990	3,350	4,490	9,910	1,360	1,320
4	2,250	2,730	3,830	e2,180	4,410	e1,060	3,230	3,070	4,270	8,420	1,340	1,410
5	2,050	2,560	4,220	e2,120	e3,380	e1,050	2,880	2,750	3,490	6,400	1,380	1,200
6	2,550	2,350	5,340	e2,110	e2,650	e1,040	2,870	2,520	2,900	5,070	1,270	1,070
7	2,400	2,060	3,910	e1,950	e2,340	e1,040	2,620	2,340	2,590	4,070	1,080	909
8	2,410	1,880	3,110	e1,900	e2,160	e1,050	2,710	2,160	3,870	3,720	993	891
9	2,210	1,810	2,680	e1,850	e2,070	e1,050	3,660	2,110	5,900	4,530	1,350	952
10	2,000	1,770	2,580	1,860	e2,010	e1,050	6,140	2,700	4,740	4,470	2,560	867
11	2,290	1,690	4,230	1,830	e1,960	e1,100	6,820	3,220	4,030	4,650	1,970	889
12	3,570	1,660	5,420	1,780	e1,890	e1,500	6,140	3,470	7,060	4,660	1,400	1,740
13	3,180	1,600	3,740	1,830	e1,850	e4,480	5,020	3,720	7,490	3,660	1,160	5,180
14	2,480	3,440	2,830	2,170	e1,810	e8,310	4,680	2,910	5,900	2,980	1,100	7,260
15	2,540	3,350	2,290	3,390	e1,730	e7,200	5,110	2,360	4,430	2,550	1,030	7,380
16	2,980	2,450	1,450	4,050	e1,630	5,090	5,570	2,190	3,470	2,290	959	4,870
17	3,360	2,050	1,350	e3,340	e1,550	e3,640	8,200	2,150	3,420	2,030	877	3,410
18	2,860	1,840	1,860	e2,680	e1,490	e2,670	10,700	1,900	3,670	2,230	815	2,750
19	2,260	1,690	2,670	e2,050	e1,430	2,360	9,800	1,740	3,220	2,570	801	2,130
20	2,170	1,580	2,670	2,150	e1,380	2,130	13,100	1,860	2,570	2,840	763	1,770
21	2,280	1,530	2,490	e2,350	e1,330	1,970	16,700	2,940	2,180	2,990	720	1,540
22	2,110	1,480	4,510	2,080	e1,270	2,000	15,600	5,480	1,920	2,530	695	1,830
23	2,000	1,430	4,500	2,390	e1,210	1,820	8,910	9,100	2,030	2,000	695	3,560
24	1,960	1,480	3,220	2,350	e1,180	1,720	5,920	10,200	2,990	2,390	711	3,340
25	1,850	1,670	e2,300	2,260	e1,140	1,650	5,610	14,900	3,080	2,440	670	2,370
26	1,760	1,520	e1,970	2,170	e1,110	1,640	5,730	19,200	3,830	2,050	653	2,070
27	1,690	1,240	1,840	2,030	e1,100	1,700	4,820	20,100	3,540	1,770	678	1,860
28	1,640	e1,010	1,840	1,960	e1,090	1,740	4,160	16,700	3,290	1,570	683	1,710
29	1,630	e1,230	2,300	1,680	---	1,990	3,870	10,800	4,550	1,470	716	1,560
30	4,480	e1,040	e2,390	1,560	---	2,470	3,780	7,120	4,640	1,640	773	1,470
31	6,630	---	e2,330	2,900	---	3,070	---	5,790	---	1,580	937	---
<b>Total</b>	79,080	63,560	88,234	70,090	67,940	70,850	186,180	176,050	118,190	109,520	32,849	69,708
<b>Mean</b>	2,551	2,119	2,846	2,261	2,426	2,285	6,206	5,679	3,940	3,533	1,060	2,324
<b>Max</b>	6,630	5,990	5,420	4,050	8,390	8,310	16,700	20,100	7,490	9,910	2,560	7,380
<b>Min</b>	1,470	1,010	894	1,560	1,090	1,040	2,620	1,740	1,920	1,470	653	867

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2,337	2,944	2,612	2,212	1,818	2,966	7,792	5,444	2,629	1,672	1,521	1,544
<b>Max</b>	7,567	7,331	5,786	4,961	6,093	12,140	15,380	11,890	6,415	5,059	6,286	7,140
<b>(WY)</b>	(2006)	(1928)	(1974)	(2006)	(1981)	(1936)	(1934)	(1972)	(2002)	(1996)	(2008)	(1954)
<b>Min</b>	654	1,066	860	751	533	482	2,631	1,951	1,030	654	406	654
<b>(WY)</b>	(1949)	(1948)	(1948)	(1948)	(1940)	(1940)	(1995)	(1941)	(1988)	(1955)	(1942)	(1995)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1927 - 2013	
<b>Annual total</b>	958,694		1,132,251			
<b>Annual mean</b>	2,619		3,102		2,962	
<b>Highest annual mean</b>					4,310	2006
<b>Lowest annual mean</b>					1,934	1995
<b>Highest daily mean</b>	14,300	Mar 21	20,100	May 27	46,500	Mar 20, 1936
<b>Lowest daily mean</b>	603	Sep 18	653	Aug 26	115	Oct 3, 1937
<b>Annual seven-day minimum</b>	704	Aug 25	684	Aug 22	265	Sep 8, 1957
<b>Maximum peak flow</b>			21,200	May 26	48,300	Mar 20, 1936
<b>Maximum peak stage</b>			18.18	May 26	25.60	Mar 20, 1936
<b>10 percent exceeds</b>	5,300		5,790		6,190	
<b>50 percent exceeds</b>	1,960		2,300		1,920	
<b>90 percent exceeds</b>	946		1,090		840	

