01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH

Upper Connecticut Basin
Upper Connecticut Subbasin

LOCATION.--Lat 44°44′59″, long 71°37′54″ referenced to North American Datum of 1927, Coos County, NH, Hydrologic Unit 01080101, on left bank, at North Stratford, 400 ft downstream from Nulhegan River, 0.3 mi downstream of Vermont State Highway 105 bridge, 12.0 mi southwest of Colebrook, and at mile 344.5.

DRAINAGE AREA.--799 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1930 to current year.

REVISED RECORDS.--WSP 781: 1934(M). WSP 891: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 880.17 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--New Hampshire Department of Environmental Services.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by power plants and by First Connecticut and Second Connecticut Lakes and Lake Francis 36 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,300 ft^3/s, Apr. 24, gage height, 10.28 ft; maximum gage height, 11.91 ft, Mar. 24 (ice jam); minimum daily discharge, 406 ft^3/s, Aug. 2.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,010	3,650	2,430	e1,450	e849	e690	2,460	7,140	1,540	542	426	989
2	814	3,280	7,610	1,740	e763	e683	3,100	5,590	1,680	505	406	936
3	775	2,750	5,040	1,640	e837	e708	3,270	4,460	1,450	562	422	894
4	710	2,410	3,020	e1,410	e882	e715	2,840	3,760	1,300	519	1,470	865
5	1,160	2,240	2,350	e1,300	e838	e693	2,410	3,030	2,440	518	979	847
6	1,220	2,100	1,970	e4,250	e841	e683	2,140	2,480	2,530	557	2,080	828
7	916	2,020	2,240	7,350	e764	e677	1,870	2,210	1,900	529	3,870	821
8	765	1,970	2,030	4,230	e695	e643	1,690	1,870	1,570	547	3,370	812
9	678	2,290	e1,800	3,490	e713	e689	1,620	1,850	1,390	775	4,210	843
10	617	2,210	1,840	2,520	e698	e680	1,510	1,790	1,500	1,320	1,980	1,100
11	602	2,030	1,780	e1,510	e673	e673	1,420	1,700	1,490	1,040	1,330	988
12	1,440	2,460	1,700	e1,500	e649	e751	1,500	1,590	1,170	3,310	1,050	1,210
13	2,010	2,940	1,670	1,890	e650	e764	1,440	1,370	998	1,650	959	1,090
14	1,430	3,010	2,220	e1,610	e655	e836	1,390	1,200	898	1,370	913	844
15	1,130	3,090	2,340	e1,370	e751	e1,460	1,370	1,040	841	1,090	804	1,250
16	975	2,770	2,390	e1,200	e790	e3,310	2,490	6,010	788	1,150	1,050	1,600
17	876	3,370	2,370	1,320	e762	e2,940	4,880	12,400	770	862	1,360	1,120
18	2,470	2,940	2,090	e1,150	e848	e2,220	4,730	8,340	790	808	1,240	934
19	2,790	2,420	1,890	e1,160	e676	e1,910	6,030	5,860	622	1,230	1,170	835
20	3,700	2,180	1,680	e1,310	e1,080	e1,670	6,970	5,980	645	2,290	1,070	675
21	9,650	2,000	1,570	e1,260	e749	e1,470	7,690	7,540	697	2,100	1,020	619
22	7,210	1,860	1,470	e1,140	e789	e1,400	8,480	5,210	615	1,410	977	590
23	3,900	1,770	2,260	e1,060	e741	e2,270	9,550	3,410	791	953	948	558
24	3,910	1,720	3,940	e1,070	e726	e3,230	13,400	2,470	657	743	1,020	527
25	3,530	1,610	2,940	e1,030	e731	e2,840	11,400	1,830	565	615	1,700	512
26	4,460	1,560	2,390	e939	e713	e2,670	7,140	1,580	533	529	1,670	508
27	3,470	1,560	2,250	e936	e711	e2,870	5,760	1,400	495	469	1,350	864
28	3,540	1,630	1,860	e823	e706	e3,810	5,510	1,690	594	430	1,140	1,810
29	7,090	1,670	e1,480	e853	---	e3,630	5,660	1,610	827	427	1,030	1,170
30	5,400	1,590	e1,140	e808	---	3,140	7,170	1,320	673	411	984	898
31	3,610	---	e1,270	e775	---	2,650	---	1,410	---	427	1,030	---
Total	81,858	69,100	73,030	54,094	21,280	53,375	136,890	109,140	32,759	29,688	43,028	27,537
Mean	2,641	2,303	2,356	1,745	760	1,722	4,563	3,521	1,092	958	1,388	918
Max	9,650	3,650	7,610	7,350	1,080	3,810	13,400	12,400	2,530	3,310	4,210	1,810
Min	602	1,560	1,140	775	649	643	1,370	1,040	495	411	406	508

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,324	1,633	1,561	1,395	1,207	1,624	3,922	2,526	1,308	903	871	920
Max	3,877	3,401	3,095	2,822	3,295	6,254	7,348	6,018	3,724	2,818	2,475	3,203
(WY)	(2006)	(2006)	(1974)	(2006)	(1981)	(1936)	(1934)	(1972)	(1943)	(1996)	(1976)	(1954)
Min	355	583	643	549	350	271	1,206	843	472	292	220	357
(WY)	(1949)	(1948)	(1948)	(1948)	(1940)	(1940)	(1995)	(1998)	(1962)	(1955)	(1940)	(1949)

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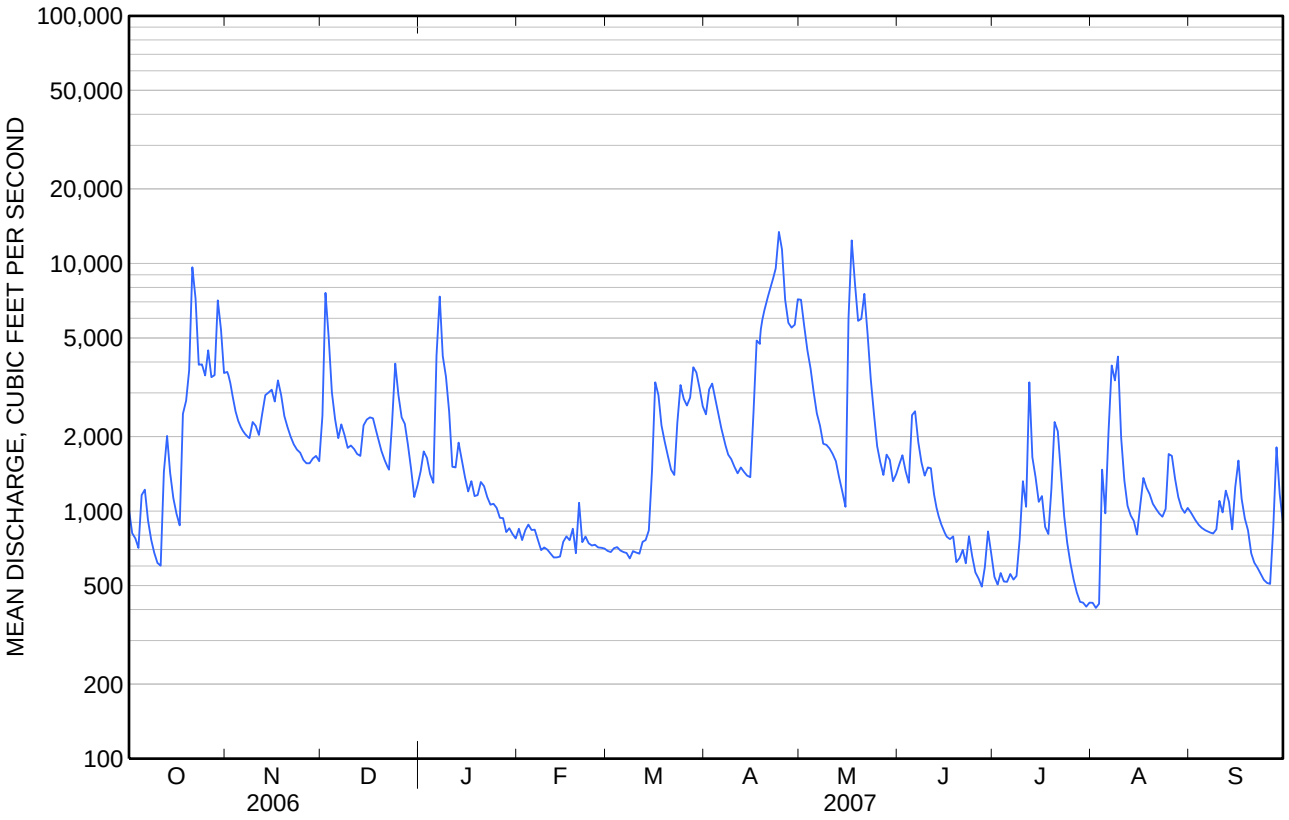
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1930 - 2007	
Annual total	800,288		731,779			
Annual mean	2,193		2,005		1,599	
Highest annual mean					2,383	2006
Lowest annual mean					1,033	1995
Highest daily mean	10,900	Jun 11	13,400	Apr 24	28,000	Mar 19, 1936
Lowest daily mean	390	Sep 28	406	Aug 2	108	Sep 29, 1960
Annual seven-day minimum	437	Sep 22	421	Jul 28	128	Aug 16, 1975
Maximum peak flow			14,300	Apr 24	32,300	Mar 31, 1998
Maximum peak stage			[a]11.91	Mar 24	[a,b]20.60	Mar 6, 1979
10 percent exceeds	3,940		3,920		3,090	
50 percent exceeds	1,720		1,410		1,130	
90 percent exceeds	795		653		464	

[a] Ice jam.
[b] From floodmarks in well.