Water-Data Report 2011

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH

Upper Connecticut Basin
Upper Connecticut Subbasin

LOCATION.--Lat 45°02′25″, long 71°26′40″ referenced to North American Datum of 1927, Coos County, NH, Hydrologic Unit 01080101, on right bank, 1,200 ft. downstream from Indian Stream, 2.7 miles west of US Highway 3 and State Highway 145 intersection in Pittsburg, 3.9 miles northeast of Post Office in Beecher Falls, and at mile 376.5.

DRAINAGE AREA.--254 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1956 to current year.

REVISED RECORDS.--WDR MA-NH-RI-VT-73-1: 1958, 1960(M), 1969(M).

GAGE.--Water-stage recorder. Elevation of gage is 1,150 ft above National Geodetic Vertical Datum of 1929, from topographic map.

COOPERATION.--Public Service Company of New Hampshire.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by First Connecticut and Second Connecticut Lakes and Lake Francis 3.7 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,550 ft^3/s, Apr. 27, gage height, 8.85 ft; minimum daily discharge, 153 ft^3/s, Aug. 1.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01129200, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01129200.2011.pdf

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,350	737	977	835	363	271	306	3,320	916	236	153	241
2	2,400	772	1,320	993	265	e269	308	2,760	791	234	457	203
3	717	761	1,120	1,140	e263	e251	310	2,510	733	315	454	183
4	508	765	1,020	977	e263	e230	305	2,890	664	669	451	174
5	427	1,090	978	933	264	231	361	3,050	595	403	451	e1,310
6	383	1,320	932	878	262	321	476	2,600	547	343	448	1,990
7	413	961	907	851	263	e561	414	2,180	479	374	450	895
8	659	913	912	846	e264	e561	396	1,920	421	340	500	496
9	566	1,030	896	846	e264	e520	426	1,690	386	307	482	361
10	440	1,140	886	834	e263	472	553	1,420	371	289	467	283
11	388	1,100	891	621	e263	428	1,360	1,270	360	333	477	237
12	361	1,040	893	517	259	479	2,840	1,140	343	456	477	362
13	340	1,010	1,240	516	259	493	2,060	959	396	443	462	550
14	328	989	1,360	512	e259	445	1,330	879	407	433	454	1,060
15	495	972	1,020	508	e262	393	882	1,310	369	426	451	819
16	900	957	965	505	e261	368	681	2,410	355	421	527	916
17	651	972	949	500	259	351	642	1,750	314	419	569	715
18	490	1,080	915	494	263	471	681	1,330	331	416	489	626
19	416	1,020	924	494	271	694	571	1,120	353	413	469	584
20	379	971	906	494	298	553	678	1,020	317	394	580	770
21	361	946	890	494	e306	458	705	1,080	288	410	495	961
22	385	937	884	489	e304	408	592	1,100	277	408	515	940
23	360	1,020	878	488	e295	375	642	985	268	406	503	927
24	338	1,080	872	e479	e282	345	678	905	267	403	479	948
25	498	980	860	472	279	344	985	845	263	408	464	991
26	622	954	846	472	276	327	1,730	796	257	357	460	1,070
27	707	940	838	472	275	311	5,600	2,500	253	462	455	1,180
28	760	924	831	472	271	307	4,070	2,910	255	447	826	1,160
29	672	915	831	472	---	306	4,680	1,980	238	226	2,050	1,150
30	664	902	831	467	---	294	3,770	1,530	236	458	563	1,340
31	650	---	831	467	---	292	---	1,080	---	452	313	---
Total	20,628	29,198	29,403	19,538	7,676	12,129	39,032	53,239	12,050	12,101	16,391	23,442
Mean	665	973	948	630	274	391	1,301	1,717	402	390	529	781
Max	3,350	1,320	1,360	1,140	363	694	5,600	3,320	916	669	2,050	1,990
Min	328	737	831	467	259	230	305	796	236	226	153	174

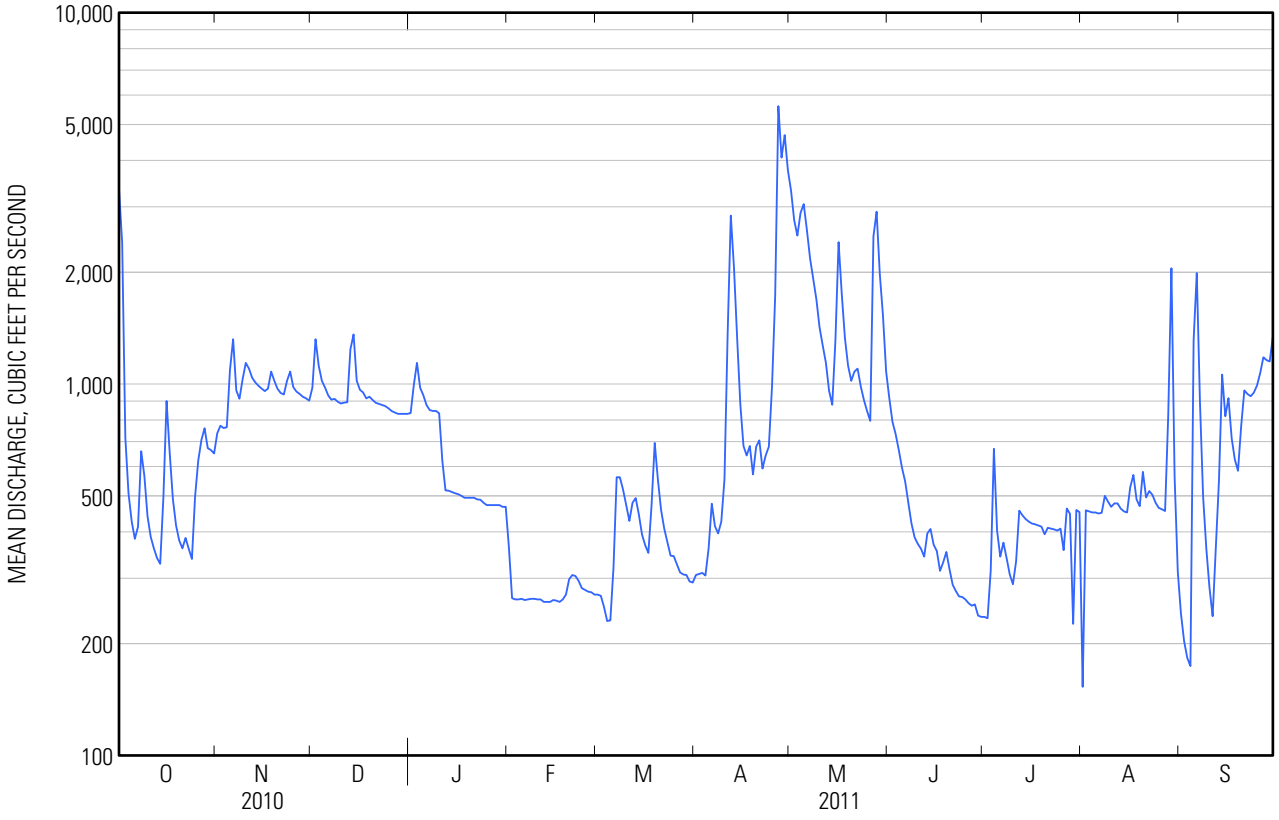
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	541	563	719	788	723	519	691	571	422	424	471	454
Max	1,342	1,100	1,485	1,198	1,325	1,088	1,301	1,717	1,271	1,187	1,514	1,095
(WY)	(1978)	(2006)	(1960)	(2004)	(1974)	(1979)	(2011)	(2011)	(2008)	(1996)	(2008)	(1963)
Min	111	181	310	462	219	118	247	162	80.9	55.7	64.7	111
(WY)	(1969)	(1967)	(2002)	(1979)	(2003)	(2001)	(1995)	(1988)	(1962)	(1965)	(1975)	(1968)

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1957 - 2011	
Annual total	232,930		274,827			
Annual mean	638		753		573	
Highest annual mean					814	2008
Lowest annual mean					339	2003
Highest daily mean	3,350	Oct 1	5,600	Apr 27	5,610	May 11, 2000
Lowest daily mean	234	Aug 8	153	Aug 1	30	Aug 6, 1965
Annual seven-day minimum	267	Mar 5	244	Jun 26	33	Aug 20, 1975
Maximum peak flow			6,550	Apr 27	6,550	Apr 27, 2011
Maximum peak stage			8.85	Apr 27	8.85	Apr 27, 2011
10 percent exceeds	985		1,290		1,020	
50 percent exceeds	548		505		506	
90 percent exceeds	356		268		170	



01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1999 to September 30, 2005, October 1, 2007 to current year.

INSTRUMENTATION.--Water-temperature recorder since June 16, 1999, provides continuous recordings.

REMARKS.--Records fair.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	14.6	13.0	13.9	---	---	---	3.7	3.0	3.5	1.8	1.6	1.7
2	13.0	10.8	11.9	---	---	---	3.6	2.6	2.9	1.7	0.8	1.3
3	11.8	9.6	10.6	---	---	---	3.2	2.7	2.9	1.0	0.7	0.8
4	11.8	8.9	10.4	---	---	---	3.0	2.4	2.6	1.4	0.9	1.1
5	13.0	9.8	11.3	---	---	---	2.6	2.2	2.4	1.3	1.0	1.1
6	12.0	11.3	11.6	---	---	---	2.5	2.1	2.4	1.4	1.0	1.1
7	11.6	9.9	11.1	---	---	---	2.5	1.9	2.3	1.6	0.9	1.2
8	9.9	8.5	9.0	---	---	---	2.2	1.8	2.0	1.5	0.9	1.2
9	9.0	8.0	8.6	---	---	---	1.9	1.7	1.8	1.4	1.1	1.3
10	9.1	7.3	8.6	---	---	---	2.0	1.4	1.7	1.4	1.1	1.2
11	10.8	8.2	9.4	---	---	---	1.8	1.6	1.7	1.4	0.8	1.2
12	10.9	8.4	9.5	---	---	---	1.8	1.5	1.7	1.3	0.9	1.1
13	11.7	9.5	10.3	---	---	---	1.8	0.6	1.3	1.3	1.1	1.1
14	11.4	9.0	10.2	---	---	---	1.0	0.6	0.8	1.3	1.0	1.1
15	10.4	7.2	9.1	---	---	---	1.2	0.9	1.0	1.4	0.8	1.1
16	---	---	---	---	---	---	1.4	0.9	1.1	1.4	0.8	1.1
17	---	---	---	---	---	---	1.4	0.9	1.2	1.2	0.5	0.8
18	---	---	---	6.5	5.2	5.8	1.7	0.9	1.3	1.4	0.5	1.1
19	7.9	6.6	7.4	5.6	4.6	5.1	1.6	1.1	1.3	1.6	1.1	1.3
20	8.3	6.1	7.4	5.2	4.2	4.8	1.5	1.2	1.3	1.5	0.9	1.1
21	---	---	---	5.0	4.0	4.5	1.6	1.3	1.5	1.5	0.7	1.0
22	---	---	---	5.0	4.0	4.6	1.7	1.4	1.5	1.3	0.5	0.8
23	---	---	---	5.1	4.4	4.8	1.6	1.3	1.4	1.1	0.3	0.6
24	---	---	---	4.7	3.1	3.9	1.6	1.2	1.3	0.8	0.2	0.4
25	---	---	---	3.8	2.8	3.4	1.5	1.2	1.3	1.4	0.5	1.0
26	---	---	---	3.8	2.9	3.4	1.5	1.2	1.3	1.9	0.9	1.3
27	---	---	---	3.7	2.9	3.3	1.4	1.0	1.2	1.7	1.2	1.3
28	---	---	---	3.7	2.9	3.3	1.4	1.0	1.2	1.8	1.1	1.3
29	---	---	---	3.7	2.9	3.4	1.6	1.1	1.3	1.9	1.1	1.3
30	---	---	---	3.7	2.9	3.3	1.8	1.2	1.5	1.6	0.8	1.2
31	---	---	---	---	---	---	1.8	1.3	1.6	1.2	0.4	0.7
Month	---	---	---	---	---	---	3.7	0.6	1.7	1.9	0.2	1.1

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	1.2	0.5	0.8	2.3	0.2	1.0	0.8	0.3	0.6	5.1	3.0	4.0
2	0.8	0.2	0.5	2.0	0.1	0.9	3.0	0.6	1.3	5.8	3.5	4.5
3	1.8	0.2	0.9	1.8	0.0	0.5	3.2	0.4	1.3	5.6	4.6	4.9
4	1.6	0.2	0.7	2.2	0.1	0.7	1.2	0.4	0.8	5.5	4.7	5.0
5	2.1	0.2	1.1	2.2	1.1	1.7	1.4	0.2	0.9	5.0	4.3	4.6
6	1.9	0.2	1.4	2.0	0.1	1.2	1.6	0.0	0.5	5.5	4.0	4.7
7	2.2	1.4	1.7	0.3	0.0	0.2	2.4	0.0	0.8	5.9	4.3	5.0
8	1.8	0.2	1.2	0.8	0.1	0.3	2.8	0.0	0.9	6.2	4.4	5.2
9	1.6	0.2	0.8	0.9	0.1	0.4	2.8	0.1	1.0	7.4	4.8	5.9
10	1.4	0.2	0.8	0.8	0.3	0.5	3.9	0.3	1.9	7.1	5.3	6.2
11	1.6	0.2	0.6	1.4	0.4	0.7	2.0	0.2	1.0	7.6	5.7	6.6
12	1.9	0.2	0.9	0.8	0.4	0.5	1.8	0.1	0.7	9.2	6.2	7.6
13	1.9	0.4	1.1	0.7	0.4	0.5	1.7	0.0	0.7	10.7	7.4	9.0
14	2.1	0.7	1.6	1.2	0.2	0.5	2.1	1.0	1.4	10.1	8.8	9.2
15	1.2	0.2	0.5	1.5	0.1	0.6	4.2	0.0	1.8	9.5	8.7	9.1
16	1.9	0.2	0.9	0.9	0.3	0.6	2.9	0.2	1.7	8.8	8.0	8.4
17	3.1	1.2	1.9	1.8	0.5	1.0	3.5	1.1	2.1	9.4	7.9	8.6
18	2.5	1.2	1.8	1.2	0.3	0.6	3.7	1.3	2.3	11.1	8.5	9.8
19	1.4	0.2	0.9	0.6	0.1	0.3	6.4	1.8	3.8	11.8	9.8	10.7
20	1.4	0.2	0.6	1.0	0.1	0.4	4.6	1.7	2.5	11.6	9.5	10.6
21	1.3	0.0	0.5	0.7	0.2	0.4	2.7	1.5	2.0	12.4	10.3	11.1
22	1.5	0.1	0.5	0.6	0.2	0.4	6.0	0.6	3.0	13.5	10.7	11.9
23	1.7	0.1	0.6	1.4	0.1	0.6	4.1	1.8	2.4	12.7	11.0	11.9
24	1.9	0.1	0.9	1.3	0.0	0.5	5.7	2.5	3.9	12.6	9.9	11.6
25	1.4	0.6	1.0	1.4	0.2	0.6	6.2	1.7	3.9	11.3	8.5	9.9
26	1.6	0.2	0.7	1.4	0.1	0.5	4.6	2.5	3.1	12.9	9.7	11.2
27	2.3	0.4	1.1	2.2	0.0	0.6	4.6	1.1	2.8	14.6	12.4	13.5
28	1.5	0.6	1.1	1.3	0.1	0.6	5.9	3.6	4.7	14.6	11.9	13.3
29	---	---	---	1.4	0.3	0.8	5.0	3.1	3.9	14.6	12.7	13.8
30	---	---	---	2.4	0.5	1.1	4.8	3.1	3.8	16.1	12.4	14.2
31	---	---	---	2.8	0.4	1.2	---	---	---	16.0	12.1	14.0
Month	3.1	0.0	1.0	2.8	0.0	0.7	6.4	0.0	2.0	16.1	3.0	8.9

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	17.5	12.1	14.8	12.2	10.1	10.8	18.6	11.2	14.0	16.7	13.4	15.0
2	12.6	9.2	10.3	14.7	10.1	12.0	12.4	11.0	11.8	18.6	13.6	15.9
3	11.7	9.0	10.1	16.6	10.7	12.1	12.5	11.2	11.7	16.6	15.2	15.7
4	14.4	9.4	11.9	18.2	14.4	15.8	13.2	11.0	11.9	---	---	---
5	14.1	11.7	12.9	17.2	13.8	15.3	13.9	10.9	12.2	17.6	15.8	16.5
6	14.5	12.0	13.0	15.4	13.3	14.3	13.5	10.8	11.9	16.0	14.6	15.3
7	14.9	11.8	13.2	17.4	13.7	15.3	13.1	11.5	12.3	14.6	13.6	14.0
8	16.4	12.7	14.3	16.4	13.1	14.6	16.4	12.0	13.9	15.7	13.2	14.3
9	15.5	12.0	13.5	15.8	12.6	14.0	15.6	12.3	13.0	17.0	14.1	15.4
10	14.5	12.1	13.2	16.0	12.1	13.6	14.1	12.5	13.1	16.2	13.2	14.6
11	12.5	11.3	12.0	16.6	11.9	13.5	13.6	11.9	12.8	16.1	12.3	14.1
12	11.6	10.9	11.1	13.9	11.5	12.5	13.4	12.3	12.8	17.0	12.8	14.9
13	13.2	11.0	12.0	13.1	11.0	11.9	14.0	12.4	13.1	17.9	15.6	16.6
14	12.6	11.3	11.9	12.8	10.4	11.4	13.8	12.2	12.9	16.7	15.1	15.8
15	14.6	10.8	12.4	13.2	10.3	11.4	13.4	11.6	12.6	15.1	12.8	14.3
16	15.6	11.5	13.1	13.1	10.2	11.3	15.1	11.6	13.1	13.2	11.6	12.4
17	13.9	11.2	12.3	13.3	10.3	11.4	15.5	13.6	14.4	14.8	11.9	13.3
18	15.2	11.5	12.8	12.9	10.7	11.7	14.9	13.2	13.7	15.1	13.2	14.2
19	14.6	11.3	12.8	13.3	10.3	11.4	15.4	13.2	14.0	15.9	13.7	14.7
20	14.6	10.6	12.4	15.6	10.4	11.8	16.8	14.6	15.7	16.0	14.5	15.2
21	14.9	10.7	12.3	13.3	10.7	11.6	15.2	12.9	14.3	17.0	15.5	16.2
22	14.5	10.8	12.3	13.8	11.0	12.2	15.3	13.3	14.2	16.8	15.9	16.4
23	12.3	11.2	11.7	13.4	11.0	12.1	15.0	13.3	14.3	17.3	16.4	16.8
24	11.2	10.2	10.8	13.4	11.0	12.1	16.4	14.0	14.9	17.4	16.5	16.9
25	12.3	9.9	10.8	12.8	10.3	11.3	14.7	13.8	14.3	17.3	16.5	16.8
26	13.1	10.6	11.5	14.3	10.8	12.0	15.9	14.4	15.0	17.6	16.2	16.8
27	15.4	10.6	12.5	11.8	10.8	11.2	15.8	14.2	14.9	17.4	16.4	16.8
28	13.6	10.6	11.8	13.7	11.1	12.1	16.6	14.5	15.5	17.5	16.5	17.0
29	14.2	10.9	12.1	16.4	11.4	12.8	16.2	14.5	15.3	17.3	16.8	17.0
30	12.2	10.2	11.0	13.3	11.2	12.0	15.7	13.1	14.4	17.3	15.4	16.2
31	---	---	---	13.4	10.9	11.8	17.2	13.3	15.0	---	---	---
Month	17.5	9.0	12.2	18.2	10.1	12.5	18.6	10.8	13.6	---	---	---