Water-Data Report 2012

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT

Upper Hudson Basin
Hudson-Hoosic Subbasin

LOCATION.--Lat 42°54′46″, long 73°15′25″ referenced to North American Datum of 1927, Bennington County, Hydrologic Unit 02020003, on left bank, 500 ft downstream of River Road Covered bridge, 700 ft downstream of Old Mill Dam, 0.6 mi downstream from Paran Creek, 1.4 mi south of State Highway 67 and 67A intersection in North Bennington, and 3.9 mi northwest of Town Hall in Bennington.

DRAINAGE AREA.--111 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records: June 1931 to current year.

REVISED RECORDS.--WSP 781: 1933(M).

GAGE.--Water-stage recorder. Elevation of gage is 525 ft above National Geodetic Vertical Datum of 1929, from topographic map.

COOPERATION.--Vermont Department of Environmental Conservation.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional diurnal fluctuation at low flow caused by mills upstream; diurnal fluctuation greater prior to 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 8	1845	*2,610	*6.34
No other peaks greater than base discharge			

Minimum discharge, 41 ft^3/s, Sept. 4, gage height, 1.34 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 01334000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/01334000.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	497	272	325	311	294	131	174	305	151	74	65	48
2	492	272	264	351	334	130	197	282	204	84	60	45
3	430	278	240	277	260	164	184	300	223	76	55	43
4	373	288	225	e212	239	175	168	279	191	92	68	42
5	333	262	214	230	209	140	163	241	169	83	90	76
6	290	239	257	233	203	119	153	208	176	71	255	63
7	266	230	491	228	199	129	144	186	206	68	104	51
8	246	229	1,080	217	179	188	139	1,130	155	66	75	66
9	231	220	514	196	178	398	138	1,150	143	61	64	162
10	220	210	404	189	168	232	138	750	133	57	72	80
11	210	205	342	183	169	181	137	537	118	54	143	63
12	199	197	306	186	135	188	131	395	113	51	166	55
13	211	190	283	205	139	280	124	324	424	50	98	51
14	281	183	272	188	148	351	118	318	231	48	78	47
15	504	194	404	e142	152	310	117	801	162	57	73	46
16	365	187	615	e153	148	335	153	662	136	95	68	46
17	331	221	396	e195	169	386	132	538	123	76	68	43
18	281	186	307	262	155	405	117	386	114	66	90	97
19	253	170	274	e177	146	413	113	318	108	58	67	432
20	256	165	276	164	139	376	109	276	105	52	60	158
21	254	158	378	e147	130	329	107	240	97	50	58	100
22	233	151	602	e146	136	291	194	261	90	48	54	86
23	218	458	597	160	151	261	427	301	89	45	50	156
24	209	310	434	267	149	235	279	237	88	127	48	105
25	235	239	346	214	159	248	209	207	105	115	46	85
26	223	235	328	177	132	235	184	188	172	74	45	80
27	344	234	313	690	127	199	210	167	124	105	43	84
28	355	253	650	562	130	193	188	152	101	94	97	127
29	289	236	383	342	127	222	167	156	89	128	93	177
30	286	467	323	283	---	199	154	247	80	111	61	134
31	276	---	317	260	---	180	---	186	---	78	53	---
Total	9,191	7,139	12,160	7,547	5,004	7,623	4,968	11,728	4,420	2,314	2,467	2,848
Mean	296	238	392	243	173	246	166	378	147	74.6	79.6	94.9
Max	504	467	1,080	690	334	413	427	1,150	424	128	255	432
Min	199	151	214	142	127	119	107	152	80	45	43	42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	165	217	224	203	183	328	526	317	185	129	114	122
Max	533	412	477	425	575	958	1,008	742	436	360	481	585
(WY)	(2006)	(1960)	(2004)	(1937)	(1981)	(1936)	(1969)	(1943)	(1998)	(2009)	(1976)	(1938)
Min	30.9	39.6	94.6	61.6	54.2	68.0	166	116	53.1	39.8	41.2	25.6
(WY)	(1965)	(1965)	(1948)	(1965)	(1980)	(1965)	(2012)	(1987)	(1964)	(1964)	(1964)	(1964)

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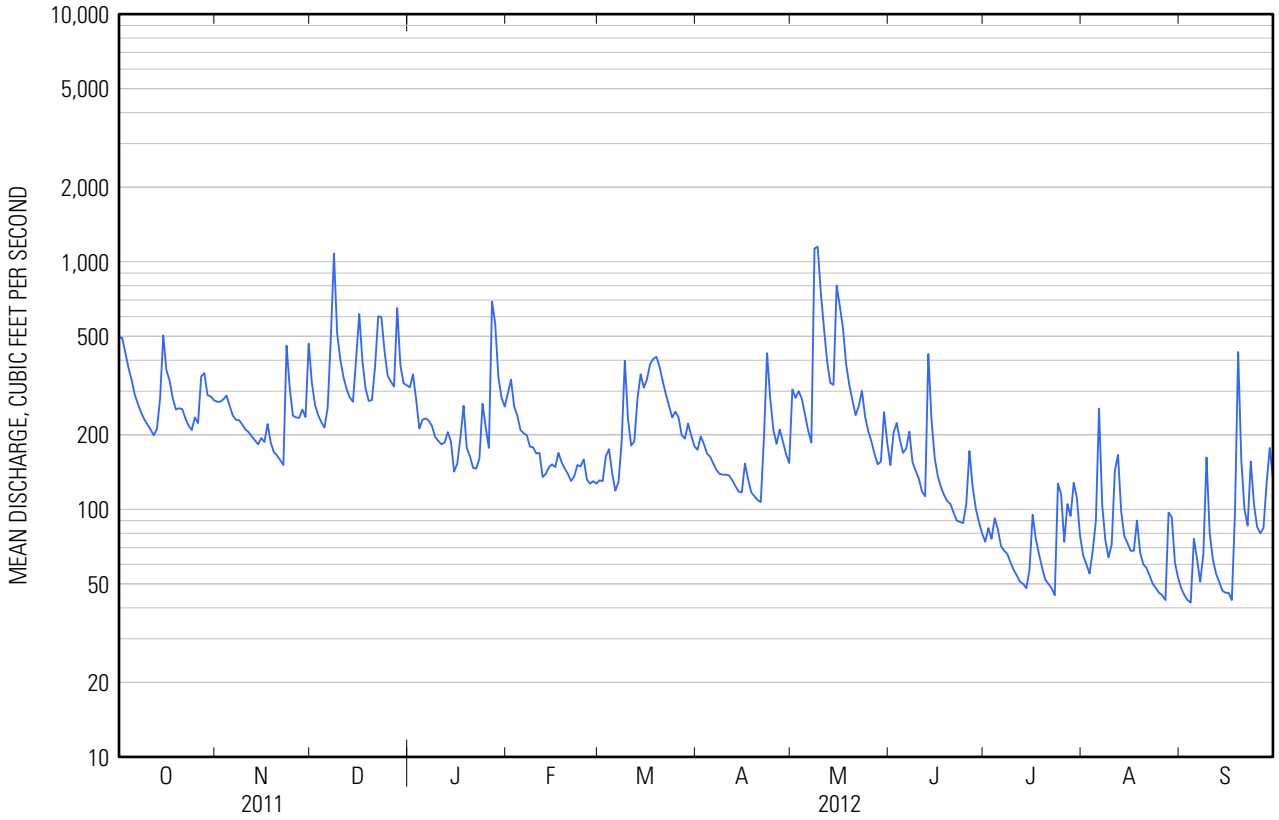
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1931 - 2012	
Annual total	123,556		77,409			
Annual mean	339		212		226	
Highest annual mean					362	1976
Lowest annual mean					98.9	1965
Highest daily mean	4,450	Aug 28	1,150	May 9	6,350	Dec 31, 1948
Lowest daily mean	56	Jul 24	42	Sep 4	21	Sep 22, 1964[a]
Annual seven-day minimum	65	Jul 18	49	Aug 21	22	Sep 20, 1964
Maximum peak flow			2,610	May 8	[b]9,420	Aug 28, 2011
Maximum peak stage			6.34	May 8	12.82	Aug 28, 2011
Instantaneous low flow			41	Sep 4	4.0	Sep 27, 1932
10 percent exceeds	630		380		463	
50 percent exceeds	242		184		149	
90 percent exceeds	111		63		58	

[a] Also September 23, 1964 and July 12, 1965.

[b] From rating curve extended above 2,800 ft³/s on basis of contracted-opening measurements at gage heights 10.13 ft, 10.49 ft, 11.50 ft, 12.04 ft, and 12.82 ft and slope-area measurement and computation of flow over dam at gage height 12.04 ft.