

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT

LOCATION.--Lat 42°54'46", long 73°15'25" (revised), 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 mi².

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.

REMARKS.--Records good except those for estimated daily discharges, which are poor. 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 27	2300	2,560	6.29	Apr 1	2245	2,900	6.71
Oct 29	1415	3,470	7.37	May 25	0100	*3,820	*7.75
Nov 29	0400	2,430	6.13	Sep 18	1530	3,330	7.21
Dec 25	0000	3,010	6.84				

Minimum discharge, c 67 ft³/s, Feb. 27, 28, gage height, 1.78 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	447	455	339	e135	93	1,550	231	357	93	298	280
2	208	371	376	310	e133	155	1,650	217	386	162	237	205
3	194	532	298	353	e128	265	756	227	300	111	173	171
4	181	443	289	477	e129	223	615	429	266	86	159	151
5	239	414	264	414	e136	226	542	321	232	106	147	134
6	193	447	260	348	e137	440	426	268	206	172	131	125
7	165	357	257	281	e132	423	370	239	191	111	120	116
8	149	304	249	e235	e125	282	334	212	172	110	114	113
9	138	e255	237	e205	e120	231	326	225	158	159	105	294
10	128	247	231	e195	113	213	315	229	243	119	97	308
11	122	242	539	e190	108	204	295	213	177	97	91	195
12	116	258	755	e182	e104	207	281	188	146	81	86	154
13	111	272	404	e177	102	183	368	168	130	76	104	132
14	105	242	304	e172	100	166	601	160	121	78	188	120
15	248	212	309	e167	97	175	460	152	118	160	121	110
16	246	193	292	e162	e105	168	372	224	106	199	218	105
17	176	189	654	e157	e99	159	338	175	104	196	365	124
18	151	186	924	e146	e95	152	362	155	148	134	181	1,720
19	139	191	536	e142	e90	148	359	209	119	132	141	743
20	129	1,010	419	e137	e88	151	332	156	102	269	167	388
21	131	560	357	e135	96	210	274	148	95	168	599	295
22	139	379	326	e132	96	174	239	139	92	119	482	244
23	141	318	318	e129	91	150	263	269	97	114	260	212
24	131	285	1,130	e125	89	155	281	845	84	142	193	186
25	127	289	1,680	e128	e87	184	243	1,680	79	106	160	171
26	148	261	750	e125	e85	263	538	657	120	92	141	161
27	1,090	243	535	e124	e84	1,140	494	575	111	162	127	147
28	1,210	305	439	e129	83	848	339	544	87	677	126	173
29	1,830	1,520	395	e137	84	610	283	448	101	360	224	200
30	1,110	624	400	e141	---	516	252	334	97	221	145	189
31	595	---	390	e137	---	695	---	279	---	167	670	---
TOTAL	10,016	11,596	14,772	6,231	3,071	9,209	13,858	10,316	4,745	4,979	6,370	7,666
MEAN	323	387	477	201	106	297	462	333	158	161	205	256
MAX	1,830	1,520	1,680	477	137	1,140	1,650	1,680	386	677	670	1,720
MIN	105	186	231	124	83	93	239	139	79	76	86	105

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	152	211	216	195	180	322	532	323	182	123	107	118
MAX	418	412	477	425	575	958	1,008	742	436	311	481	585
(WY)	(1976)	(1960)	(2004)	(1937)	(1981)	(1936)	(1969)	(1943)	(1998)	(1935)	(1976)	(1938)
MIN	30.9	39.6	94.6	61.6	54.2	68.0	215	116	53.1	39.8	41.2	25.6
(WY)	(1965)	(1965)	(1948)	(1965)	(1980)	(1965)	(1946)	(1987)	(1964)	(1964)	(1964)	(1964)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	100,719		102,829		222	
ANNUAL MEAN	276		281		362	
HIGHEST ANNUAL MEAN					98.9	
LOWEST ANNUAL MEAN					22	
HIGHEST DAILY MEAN	1,860	Mar 30	1,830	Oct 29	6,350	Dec 31, 1948
LOWEST DAILY MEAN	52	Jul 31	76	Jul 13	a 21	Sep 22, 1964
ANNUAL SEVEN-DAY MINIMUM	57	Jul 3	86	Feb 23	22	Sep 20, 1964
MAXIMUM PEAK FLOW			3,820	May 25	b 8,450	Sep 21, 1938
MAXIMUM PEAK STAGE			7.75	May 25	12.04	Sep 21, 1938
INSTANTANEOUS LOW FLOW			c 67	Feb 27	4.0	Sep 27, 1932
10 PERCENT EXCEEDS	551		538		457	
50 PERCENT EXCEEDS	190		193		144	
90 PERCENT EXCEEDS	81		103		57	

a Also occurred on 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, and 12.04 ft, and slope-area measurement and computation of flow over dam at gage height 12.04 ft.

c Result of freezeup. Also occurred on Feb. 28.

e Estimated

