

Water-Data Report 2010

010642505 SACO RIVER AT RIVER STREET, AT BARTLETT, NH

Saco Basin
Saco Subbasin

LOCATION.--Lat 44°05'01", long 71°17'06" referenced to North American Datum of 1983, Carroll County, NH, Hydrologic Unit 01060002, on left bank, 50 ft downstream of River Street, 275 ft southeast of River Street, Cobb Road, and Yates Road intersection, 300 ft. downstream from Razor Brook, 0.4 mi northwest of River Street, Albany Road, and US Route 302 (US 302) intersection in Bartlett, and 0.5 miles northeast of Pine Street and US 302 intersection.

DRAINAGE AREA.--91 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 2009 to current year.

GAGE.--Water-stage recorder. Datum of gage is 665 ft above National Geodetic Vertical Datum of 1929, from topographic map.

COOPERATION.--New Hampshire Department of Environmental Services.

REMARKS.--Records good except those for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,390 ft³/s, Jan. 25, gage height, 8.17 ft; minimum discharge, 42 ft³/s, Sept. 3, gage height, 1.63 ft.

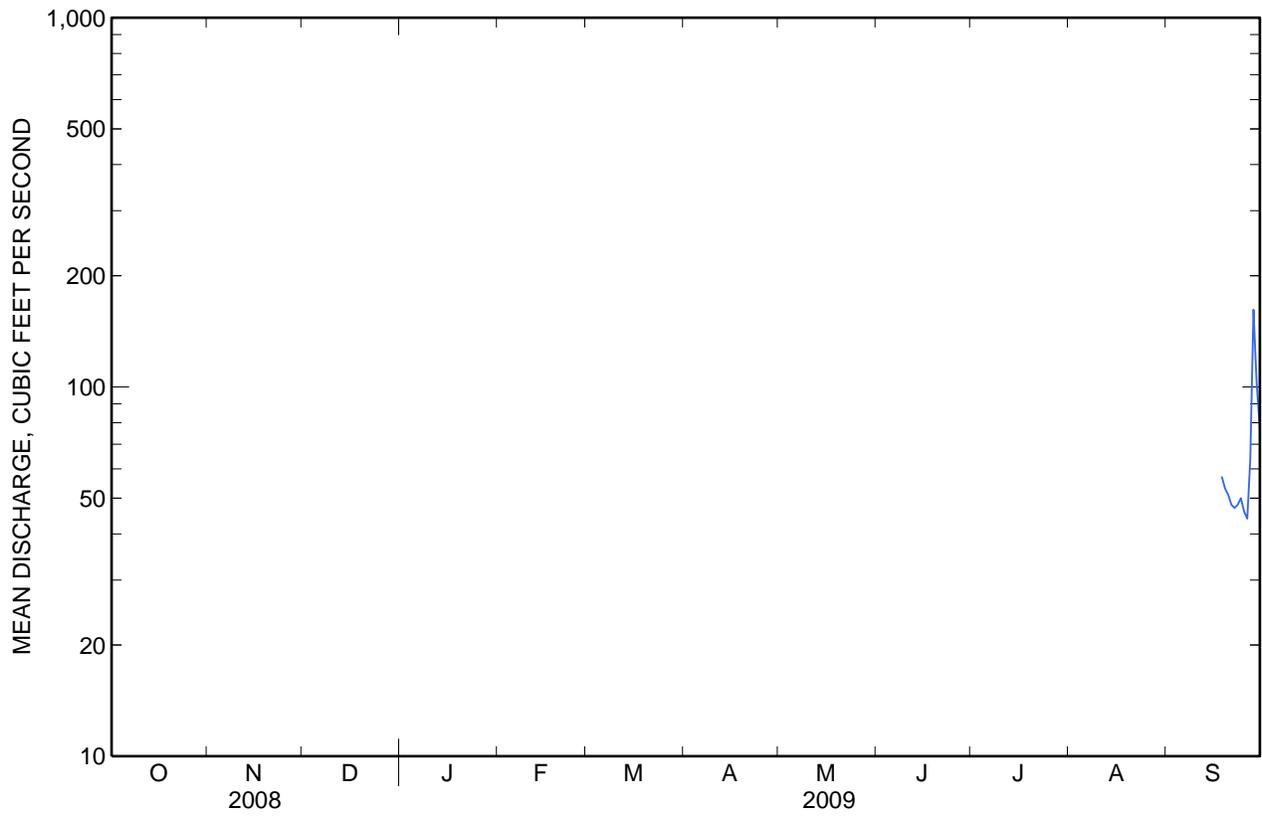
010642505 SACO RIVER AT RIVER STREET, AT BARTLETT, NH—Continued

**DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	e57
19	---	---	---	---	---	---	---	---	---	---	---	53
20	---	---	---	---	---	---	---	---	---	---	---	51
21	---	---	---	---	---	---	---	---	---	---	---	48
22	---	---	---	---	---	---	---	---	---	---	---	47
23	---	---	---	---	---	---	---	---	---	---	---	48
24	---	---	---	---	---	---	---	---	---	---	---	50
25	---	---	---	---	---	---	---	---	---	---	---	46
26	---	---	---	---	---	---	---	---	---	---	---	44
27	---	---	---	---	---	---	---	---	---	---	---	64
28	---	---	---	---	---	---	---	---	---	---	---	162
29	---	---	---	---	---	---	---	---	---	---	---	102
30	---	---	---	---	---	---	---	---	---	---	---	77
31	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---
Cfsm	---	---	---	---	---	---	---	---	---	---	---	---
In.	---	---	---	---	---	---	---	---	---	---	---	---

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	69	249	328	220	e244	129	1,610	409	114	162	74	50
2	64	205	270	190	e236	122	1,670	861	115	160	72	47
3	101	185	1,530	177	e220	120	2,290	1,250	105	128	232	44
4	438	172	973	166	e214	113	2,520	1,110	107	111	407	138
5	166	158	570	153	e202	108	1,730	866	139	99	212	79
6	126	150	447	145	e184	105	1,470	821	212	89	138	59
7	252	141	371	139	e182	106	1,840	691	307	81	109	51
8	378	136	324	133	e173	115	1,980	729	164	77	96	51
9	235	130	290	128	e169	116	1,470	773	131	72	91	55
10	182	126	290	e122	e161	110	1,290	468	135	128	97	101
11	159	119	244	e120	144	108	805	369	196	120	80	72
12	133	113	220	e117	134	107	639	325	152	85	72	56
13	128	108	215	e116	131	106	530	294	129	73	67	55
14	121	304	215	e112	124	126	473	293	114	138	64	67
15	107	841	196	e110	118	445	441	344	110	112	60	75
16	99	383	176	e107	114	325	435	413	98	103	65	73
17	94	283	139	106	111	291	413	348	126	114	64	159
18	89	238	e125	103	108	326	374	324	138	100	56	107
19	86	213	e122	98	103	398	378	548	99	84	52	76
20	83	544	e116	94	100	555	439	507	122	100	48	64
21	84	485	e111	91	97	644	523	415	184	116	46	56
22	100	341	e100	e93	95	499	571	325	111	497	48	52
23	117	284	e99	e90	93	1,680	602	306	121	237	76	48
24	e730	256	e98	e87	97	1,630	517	276	160	146	68	98
25	e1,480	235	e97	1,970	121	895	499	257	242	163	126	80
26	524	229	e95	2,040	296	720	533	234	131	125	209	59
27	353	339	e527	711	183	557	557	194	112	102	105	57
28	294	449	510	e489	144	465	556	160	516	89	78	200
29	257	314	259	e397	---	798	425	142	340	110	65	316
30	225	319	214	e266	---	1,560	377	129	199	90	57	1,030
31	213	---	249	e256	---	3,250	---	117	---	79	53	---
Total	7,487	8,049	9,520	9,146	4,298	16,629	27,957	14,298	4,929	3,890	3,087	3,475
Mean	242	268	307	295	154	536	932	461	164	125	99.6	116
Max	1,480	841	1,530	2,040	296	3,250	2,520	1,250	516	497	407	1,030
Min	64	108	95	87	93	105	374	117	98	72	46	44
Cfsm	2.65	2.95	3.37	3.24	1.69	5.89	10.2	5.07	1.81	1.38	1.09	1.27
In.	3.06	3.29	3.89	3.74	1.76	6.80	11.43	5.84	2.01	1.59	1.26	1.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2009 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	242	268	307	295	154	536	932	461	164	125	99.6	116
Max	242	268	307	295	154	536	932	461	164	125	99.6	116
(WY)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)
Min	242	268	307	295	154	536	932	461	164	125	99.6	116
(WY)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)	(2010)

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SUMMARY STATISTICS

	Water Year 2010		Water Years 2009 - 2010	
Annual total	112,765			
Annual mean	309		309	
Highest annual mean			309 2010	
Lowest annual mean			309 2010	
Highest daily mean	3,250	Mar 31	3,250	Mar 31, 2010
Lowest daily mean	44	Sep 3	44	Sep 26, 2009 ^a
Annual seven-day minimum	54	Aug 16	48	Sep 20, 2009
Maximum peak flow	^b 7,390	Jan 25	^b 7,390	Jan 25, 2010
Maximum peak stage	8.17	Jan 25	8.17	Jan 25, 2010
Instantaneous low flow	42	Sep 3	42	Sep 26, 2009 ^c
Annual runoff (cfsm)	3.40		3.40	
Annual runoff (inches)	46.10		46.13	
10 percent exceeds	641		641	
50 percent exceeds	146		146	
90 percent exceeds	73		73	

^a Also Sep 3, 2010.

^b From rating curve extended above 1,800 ft³/s.

^c Also Sep 27, 2009 and Sep 3, 2010.

