Water-Data Report 2012

04292500 LAMOILLE RIVER AT EAST GEORGIA, VT

Richelieu Basin
Lamoille Subbasin

LOCATION.--Lat 44°40′45″, long 73°04′23″ referenced to North American Datum of 1927, Franklin County, Hydrologic Unit 04150405, on right bank, 0.5 mi upstream from New England Central Railroad bridge at East Georgia, 0.9 mi downstream from Beaver Meadow Brook and 3.3 mi northeast of Main Street and US 7 intersection in Milton.

DRAINAGE AREA.--686 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records: August 1929 to current year. Prior to October 1937, published as "near Milton."

REVISED RECORDS.--WSP 894: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 285 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to December 1, 1937, at site 3.5 mi downstream at different datum.

COOPERATION.--Vermont Department of Environmental Conservation.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Low flow regulated by power plants upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,400 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 9	0500	Ice Jam	*8.11
Mar 20	1015	*6,350	7.48

Minimum daily discharge, 157 ft^3/s, Aug. 31.

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 04292500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/04292500.2012.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	2,480	881	1,570	e1,260	e946	e781	1,030	1,390	1,050	449	281	172
2	3,130	822	1,110	e1,710	e1,230	e778	972	1,630	815	355	234	212
3	5,150	805	949	e1,720	e1,160	e711	913	1,400	1,020	301	217	175
4	3,470	790	851	e1,120	e995	e698	852	1,390	1,190	299	201	161
5	2,200	772	811	e1,000	e867	e613	850	1,630	1,070	965	184	2,820
6	1,550	721	1,000	e995	e865	e630	818	1,380	976	1,030	216	2,190
7	1,230	695	1,330	e859	e987	e679	817	1,110	811	593	385	901
8	1,080	706	1,260	e837	e990	e1,160	707	1,550	687	410	279	486
9	975	784	1,150	e782	e931	e3,480	779	3,880	629	327	228	583
10	896	750	1,040	e746	e866	e3,330	2,450	3,580	554	288	240	674
11	819	764	894	e717	e715	e1,910	3,100	4,200	473	259	528	456
12	756	715	785	e682	e610	e1,800	2,120	2,730	412	236	775	346
13	718	669	725	e720	e577	e2,980	1,570	1,790	474	219	630	298
14	862	632	779	e731	e712	5,750	1,300	1,460	574	207	439	266
15	4,430	673	932	e632	e791	4,370	1,170	1,450	460	195	314	256
16	3,810	701	2,620	e568	e771	4,790	1,200	3,310	367	202	271	250
17	2,280	650	2,610	e707	e765	5,410	1,150	2,300	328	217	268	240
18	2,060	615	e1,200	e872	e753	4,750	820	1,660	272	273	255	236
19	1,790	579	e831	e798	e693	5,890	800	1,270	285	309	242	1,030
20	1,510	561	e944	e671	e568	6,040	745	1,050	264	265	223	1,090
21	1,670	584	e915	e607	e550	4,730	724	897	274	226	209	591
22	1,610	554	e1,350	e588	e647	3,600	1,200	804	270	197	193	437
23	1,560	574	e1,540	e593	e782	2,570	3,940	1,290	247	191	182	402
24	1,310	637	e1,000	e709	e840	1,940	4,360	981	228	938	181	477
25	1,490	660	e820	e995	e768	1,640	2,240	809	234	1,070	182	419
26	1,440	785	e922	e988	e678	1,540	1,620	692	302	599	173	331
27	1,290	989	e945	e966	e652	1,410	2,660	618	1,400	429	164	325
28	1,150	1,110	e1,450	e1,580	e670	1,230	2,450	537	1,660	363	158	454
29	1,030	1,290	e1,600	e1,600	e709	1,250	1,830	1,220	863	310	166	417
30	922	1,390	e1,150	e1,140	---	1,220	1,490	4,470	606	300	167	404
31	906	---	e1,130	e938	---	1,100	---	1,710	---	431	157	---
Total	55,574	22,858	36,213	28,831	23,088	78,780	46,677	54,188	18,795	12,453	8,342	17,099
Mean	1,793	762	1,168	930	796	2,541	1,556	1,748	626	402	269	570
Max	5,150	1,390	2,620	1,720	1,230	6,040	4,360	4,470	1,660	1,070	775	2,820
Min	718	554	725	568	550	613	707	537	228	191	157	161
Cfsm	2.61	1.11	1.70	1.36	1.16	3.70	2.27	2.55	0.91	0.59	0.39	0.83
In.	3.01	1.24	1.96	1.56	1.25	4.27	2.53	2.94	1.02	0.68	0.45	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,071	1,337	1,158	940	806	1,680	3,625	1,867	1,010	690	643	633
Max	3,330	2,744	3,076	2,515	4,101	5,622	7,017	4,564	3,246	2,609	2,261	1,987
(WY)	(1946)	(2004)	(1974)	(2006)	(1981)	(1936)	(2011)	(2011)	(2002)	(1998)	(2004)	(1938)
Min	237	306	405	224	293	399	1,253	638	293	223	171	218
(WY)	(1954)	(1954)	(1948)	(1948)	(1962)	(1940)	(1995)	(1987)	(1988)	(1991)	(2001)	(1978)

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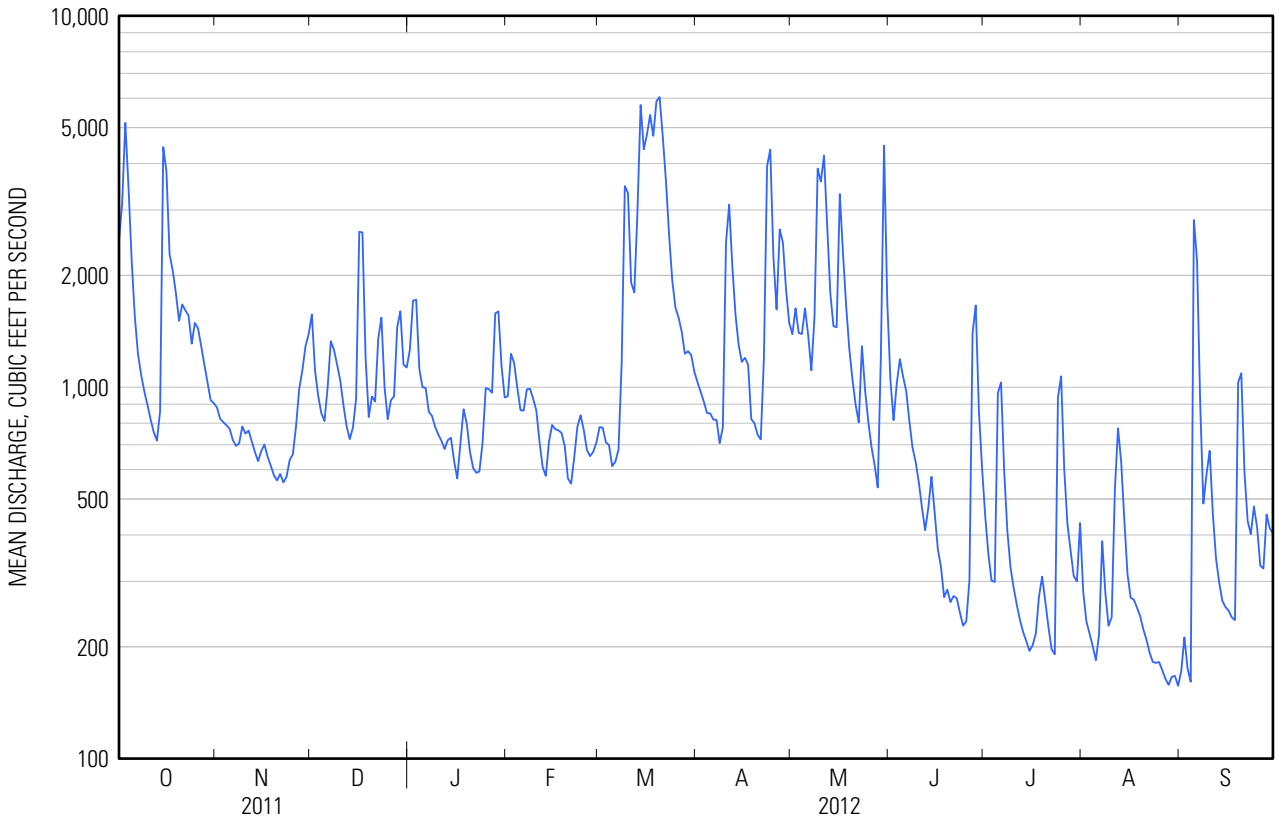
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1929 - 2012	
Annual total	725,350		402,898			
Annual mean	1,987		1,101		1,288	
Highest annual mean					2,195	2011
Lowest annual mean					791	1965
Highest daily mean	21,900	Apr 27	6,040	Mar 20	21,900	Apr 27, 2011
Lowest daily mean	261	Aug 7	157	Aug 31	74	Sep 26, 1964
Annual seven-day minimum	283	Aug 3	165	Aug 26	122	Aug 30, 1934
Maximum peak flow			6,350	Mar 20	28,800	Apr 27, 2011
Maximum peak stage			[a]8.11	Mar 9	[a]21.64	Mar 6, 1979
Annual runoff (cfsm)	2.90		1.60		1.88	
Annual runoff (inches)	39.33		21.85		25.52	
10 percent exceeds	4,440		2,250		2,850	
50 percent exceeds	989		811		744	
90 percent exceeds	484		241		301	

[a] Ice jam.