



Water-Data Report 2008

**04293800 MISSISQUOI RIVER TRIBUTARY AT SHELDON JUNCTION, VT**

Richelieu Basin  
Missisquoi Subbasin

LOCATION.--Lat 44°54'01", long 72°57'40" referenced to North American Datum of 1927, Franklin County, Hydrologic Unit 02010007, at culvert, at VT 105, 40 ft west of VT 105 and Bergeron Road (TH21) intersection, 0.5 mi upstream from mouth at Missisquoi River, 0.8 mi west of VT 78 and VT 105 intersection at Sheldon Junction, and 0.9 mi east of Shawville Road and Mill Street intersection in Sheldon Springs.

DRAINAGE AREA.--1.69 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Peak Streamflow: Water years 1963 to 1978, 1999 to current year.

GAGE.--Crest stage gage. Elevation of gage is 345 ft above National Geodetic Vertical Datum of 1929, from topographic map.

COOPERATION.--Vermont Agency of Transportation.

REMARKS.--A crest-stage gage is a device which will register the maximum stage occurring between inspections of the gage. The discharge is determined from the stage using indirect measurement techniques. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122 ft<sup>3</sup>/s, June 12, 2002, gage height 15.23 ft.

**MAXIMUM PEAK DISCHARGE  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft <sup>3</sup> /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jan 9, 2008	36	---	12.29	---