

01150800 KENT BROOK NEAR KILLINGTON, VT

Upper Connecticut Basin
Black-Ottawaquechee Subbasin

LOCATION.--Lat 43°40'24", long 72°48'33" referenced to North American Datum of 1927, Rutland County, Hydrologic Unit 01080106, at culvert on VT 100, 600 ft upstream from inlet to Kent Pond, 0.4 mi north of VT 100 and US 4 intersection, 1.4 mi west of River Road and Thundering Brook Road intersection at Killington, 1.6 mi upstream from mouth at Ottawaquechee River, 2.0 mi northwest of River Road and US 4 intersection at Sherburne Center, 2.8 mi south of Stage Road and VT 100 intersection at North Sherburne, and 9.3 mi east of Woodstock Avenue (US 4E) and North Main Street (US 7N) intersection in Rutland.

DRAINAGE AREA.--3.31 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records: October 1963 to September 1974. Prior to September 1974, published as "near Sherburne".

Peak Streamflow: Water years 1964 to 1974, 1999 to current year.

GAGE.--Crest state gage. Elevation of gage is 1,560 ft above National Geodetic Vertical Datum of 1929, from topographic map. October 1963 to September 13, 1967, water-stage recorder, on left bank, 15 ft downstream from culvert on State Highway 100, different datum, and from September 13, 1967 to September 1974, water-stage recorder, on left bank, 40 ft downstream from culvert on VT 100.

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, 2,840 ft³/s, August 28, 2011, gage height 15.70 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Oct 14, 2011	170	---	6.85	---