



Water-Data Report 2013

01134800 KIRBY BROOK AT CONCORD, VT

Upper Connecticut Basin
Passumpsic Subbasin

LOCATION.--Lat 44°26'30", long 71°52'44" referenced to North American Datum of 1927, Essex County, Hydrologic Unit 01080102, at East Main Street (US 2), 600 ft southwest of Brook Road and East Main Street (US 2) intersection, 700 ft upstream from mouth at Moose River, 1.1 mi northeast of High Street and Main Street (US 2) intersection in Concord, 2.1 mi southwest of Victory Road, Wesley Road, and North Concord Road (US 2) intersection in North Concord, and 7.2 mi east of Main Street (US 2) and Eastern Avenue (US 2) intersection in St. Johnsbury.

DRAINAGE AREA.--8.05 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records: June 1963 to September 1974.

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

GAGE.--Crest stage gage. June 1963 to September 1974, Water-stage recorder at site 30 ft downstream of culvert. Elevation of gage is 920 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, 1,640 ft³/s, May 27, 2011, gage height 17.57 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jan 31, 2013	155	---	5.85	---