



Water-Data Report 2010

04118000 Thornapple River near Caledonia, MI

Southeastern Lake Michigan Basin
Thornapple Subbasin

LOCATION.--Lat 42°48'40", long 85°29'00" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.22, T.5 N., R.10 W., Kent County, MI, Hydrologic Unit 04050007, on right bank 200 ft downstream from LaBarge powerplant, 200 ft upstream from 84th Street, 2.3 mi northeast of Caledonia, and 3.3 mi downstream from Coldwater River.

DRAINAGE AREA.--773 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1930 to September 1938 (monthly discharge only, published in WSP 1307; figures of daily discharge for these years may be unreliable and should not be used), October 1951 to March 1982, October 1983 to September 1994 (operated as a continuous-record gaging station), water years 1995 to current year.

REVISED RECORDS.--WSP 1307: 1931-37.

GAGE.--Water-stage recorder. Datum of gage is 676.31 ft above sea level (Consumers Power Co. bench mark). Oct. 1, 1930 to Sept. 30, 1938, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,700 ft³/s, Feb. 27, 1985, gage height, 11.43 ft; minimum (water years 1931-38, 1952-82, 1984-94), 1.0 ft³/s, May 28, 1968, gage height, 1.40 ft, result of regulation during bridge construction.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 7, 1947, reached a stage of 14.4 ft, from information by powerplant operator.

MAXIMUM PEAK DISCHARGE WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Mar 15, 2010	4,250	---	8.70	---