

Water-Data Report 2013

**04116500 Flat River at Smyrna, MI**

Southeastern Lake Michigan Basin  
Lower Grand Subbasin

LOCATION.--Lat 43°03'10", long 85°15'53" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.28, T.8 N., R.8 W., Ionia County, MI, Hydrologic Unit 04050006, on right bank at downstream side of former bridge on Ingalls Road, 0.5 mi south of Smyrna.

DRAINAGE AREA.--528 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1950 to September 1986 (operated as a continuous-record gaging station), water years 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 729.53 ft above NGVD 29 (levels by Michigan Department of Natural Resources).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 ft<sup>3</sup>/s, Sept. 13, 1986, gage height, 9.05 ft; minimum (water years 1951-86), 7.4 ft<sup>3</sup>/s, Sept. 9, 1953.

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>	<b>Discharge qualification code</b>	<b>Gage height, in ft</b>	<b>Gage height qualification code</b>
Apr 20, 2013	3,150	5	7.53	---

Discharge qualification code:

5 - Discharge affected to unknown degree by regulation or diversion