Water-Data Report 2013

01389802 PASSAIC RIVER AT PASSAIC (GREAT) FALLS, AT PATERSON, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°54′57″, long 74°10′54″ referenced to North American Datum of 1983, Paterson City, Passaic County, NJ, Hydrologic Unit 02030103, on right bank 80 ft upstream of Society for Establishing Useful Manufactures (S.U.M.) dam, 300 ft upstream from Passaic Falls (Great Falls) in Paterson, and 1.5 mi downstream of Peckman River.

DRAINAGE AREA.--779 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1987-89, 1991-95, 1997-99, 2001-02, and 2005 to current year. Annual maximum, water years 2009 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.25 below NAVD of 1988.

REMARKS.--Measured discharge is flow over the falls only; it does not include flow going through the hydroelectric plant. Flashboards on the S.U.M. dam routinely break free during high-flow events, effecting peak gage-heights.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 122.54 ft, Aug 30, 2011.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 119.09 ft, Dec 27 at 0645.

Suggested citation: U.S. Geological Survey, 2015, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01389802, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01389802.2013.pdf