**Disclaimer**

Inundated areas shown should not be used for navigation, regulatory, permitting, or other legal purposes. The USGS provides these maps “as-is” for a quick reference, emergency planning tool but assumes no legal liability or responsibility resulting from the use of this information.

**Uncertainties and Limitations for Use of Flood-Inundation Maps**

Although the flood-inundation maps represent the boundaries of inundated areas with a distinct line, some uncertainty is associated with these maps. The flood-inundation maps were established based on water stages (water surface elevations) and streamflows at selected USGS streamgages. Water surface elevations along the stream reach were estimated by means of steady-state modeling, assuming unobstructed flow, and using water-surface and hydrology-conditions anticipated at the USGS (streamgaging). The flood-inundation maps reflect the flood extent of inundation and any bridge, spillways, dams, or other hydraulic structures existing as of August 2012. Geometric and topographic errors in the calculation and display of predicted flood extent can result if and when streambanks are eroded or outcroppings are exposed above the floodwaters.

Additional errors may be caused by (1) uncertainties in the streamflow or stage data from USGS streamgages; (2) uncertainties in the geographic coordinates of the study area; and (3) uncertainties in the water-surface elevations along the stream. The flood-inundation maps were developed using streamflows and hydrologic conditions anticipated during a flood, which may not be representative of all possible flood events or all possible inundation extents. Additional errors may be caused by (1) unobstructed flow, and using water-surface and hydrology-conditions anticipated at the USGS (streamgaging). The flood-inundation maps reflect the flood extent of inundation and any bridge, spillways, dams, or other hydraulic structures existing as of August 2012. Geometric and topographic errors in the calculation and display of predicted flood extent can result if and when streambanks are eroded or outcroppings are exposed above the floodwaters.

**Scientific Investigations Map 3255**

Sheet 6 of 15

Pamphlet accompanies map

**Flood-Inundation Map for East Fork White River at Columbus, Indiana, Corresponding to a Stage of 10.00 Feet and an Elevation of 612.7 Feet (NAVD 88)**

By Pamela J. Lombard

2013

Prepared in cooperation with the Indiana Department of Transportation

U.S. Geological Survey

U.S. Department of the Interior

Suggested citation:


Available at: http://pubs.usgs.gov/sim/3255/

Or visit the Indiana Water Science Center Web site at: http://in.water.usgs.gov/

Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

This report is available at: http://pub.in.gov/gis/MSI/USGS

To learn about the USGS and its information products visit: http://www.usgs.gov/