Flood-Inundation Map for East Fork White River at Columbus, Indiana, Corresponding to a Stage of 6.00 Feet and an Elevation of 608.7 Feet (NAVD 88) at U.S. Geological Survey Streamgage Number 03364000 on the East Fork White River

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Disclaimer:
Inundated areas shown should not be used for navigational, 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 created based on surface electrical and streamflow areas at selected USGS streamgages. Water-surface elevations along the stream reaches were estimated by steady-state hydraulic modeling, assuming unobstructed flow, and using streamflow and hydrologic conditions anticipated at the USGS streamgage. The flood inundation maps reflect the flood event of September 2012 and were created using streamflow and hydrologic conditions monitored on the East Fork White River at Columbus, Indiana.

The extent and location of inundation can vary from those simulated during a flood, which may lead to deviations in the water-surface elevation and inundation boundaries shown. Additional flows may be forecasted due to unexpected conditions such as changes in the streamflow, the occurrence of overbank flows, and other factors. The accuracy of the flood extent portrayed on these maps may vary due to the presence of changes in the streambed elevation or roughness, backwater from ice jams, or backwater into major tributaries along a main stem river. Unique meteorological factors (timing and distribution of precipitation) may cause actual streamflows along the modeled reach to vary from those assumed during a flood, which may lead to deviations in the water-surface elevation and inundation boundaries shown. Additional flows may be forecasted due to unexpected conditions such as changes in the streamflow, the occurrence of overbank flows, and other factors. The accuracy of the flood extent portrayed on these maps may vary due to the presence of ice jams, backwater from ice jams, or backwater into major tributaries along a main stem river.

If this series of flood-inundation maps will be used in conjunction with National Weather Service (NWS) river forecasts, the user should refer to the NWS forecast office for the most accurate and detailed information.

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Scientific Investigations Map 3255
Sheet 2 of 15
Pamphlet accompanies map

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