**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 boundaries shown were estimated based on water stages, water-surface elevations at selected USGS streamgages, and streamflows 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(s). The hydraulic model reflects the land cover, channel characteristics and any bridge, dam, levee, or other hydraulic structures existing on December 2011. Unique weather or hydrologic factors may have developed during the flood event other than those used in the hydraulic models; therefore, the flood extent may be underestimated. Changes in the intended elevation or alignments, backwater due to high flows, and variations in the streambed may result in deviations of flood boundaries for particular cases. This series of flood-inundation maps was created in conjunction with National Weather Service (NWS) flood forecasts; the user should be aware of additional inundation that may be included in flooded area extending beyond the flood boundary shown. The flood-inundation maps are intended to show flood extents associated with specific flood stages and are not intended to be used for navigation, regulatory, or flood control purposes. Future flooding events may cause any of the flood-inundation maps to be inaccurate, and flood extent changes may cause there to be areas of the flood-inundation maps that were not inundated during the flood event that are now inundated.

**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.

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**Flood-Inundation Map for Spencer, Indiana**

**Corresponding to a Stage of 23 Feet and an Elevation of 548.63 Feet at U.S. Geological Survey Streamgage Number 03357000 on the White River**

**By**

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