Identification\_Information:

 Citation: Fowler, K.K., Flood-inundation maps for the White River near Edwardsport, Indiana: U.S. Geological Survey Scientific Investigations Report 2014-5219, 11 p.

 Citation\_Information:

 Originator: U.S. Geological Survey, Indiana Water Science Center

 Publication\_Date: 2014

 Title: whitedwIN\_12

 Geospatial\_Data\_Presentation\_Form: raster digital data

 Series\_Information:

 Series\_Name: Scientific Investigations Report

 Issue\_Identification: SIR 5219

 Publication\_Information:

 Publication\_Place: Reston, Virginia

 Publisher: U.S. Geological Survey

 Online\_Linkage: <http://dx.doi.org/10.3133/sir20145219> Larger\_Work\_Citation:

 Citation\_Information:

 Originator: U.S. Geological Survey, Indiana Water Science Center

 Publication\_Date: 2014

 Title: Flood-Inundation Maps for the White River near Edwardsport, Indiana

 Geospatial\_Data\_Presentation\_Form: document

 Series\_Information:

 Series\_Name: Scientific Investigations Report

 Issue\_Identification: SIR 5219

 Publication\_Information:

 Publication\_Place: Reston, Virginia

 Publisher: U.S. Geological Survey

 Description:

 Abstract:

 Digital flood-inundation maps for a 3.3-mile reach of the White River near Edwardsport, Indiana, were created by the U.S. Geological Survey (USGS) in cooperation with the Indiana Department of Transportation. The inundation maps, which can be accessed through the USGS Flood Inundation Mapping Science Web site at http://water.usgs.gov/osw/flood\_inundation/, depict estimates of the areal extent and depth of flooding corresponding to selected water levels (stages) at USGS streamgage 03360730, White River near Edwardsport, Ind. Current conditions for estimating near-real-time areas of inundation using USGS streamgage information may be obtained on the Internet at http://waterdata.usgs.gov/. In addition, information has been provided to the National Weather Service (NWS) for incorporation into their Advanced Hydrologic Prediction Service (AHPS) flood warning system (http:/water.weather.gov/ahps/). The NWS forecasts flood hydrographs at many places that are often colocated with USGS streamgages. NWS-forecasted peak-stage information may be used in conjunction with the maps developed in this study to show predicted areas of flood inundation.

Purpose:

The purpose of this report is to describe the development of a series of estimated flood-inundation maps for the White River near Edwardsport, Ind. The maps and other useful flood information are available on the USGS Flood Inundation Mapping Science Web site and the National Weather Service Advanced Hydrologic Prediction Service Web site. Internet users can select estimated inundation maps that correspond to (1) current stages at the USGS streamgage, (2) the NWS forecasted peak stage, or (3) other desired stream stages.

 Time\_Period\_of\_Content:

 Time\_Period\_Information:

 Single\_Date/Time:

 Calendar\_Date: unknown

 Currentness\_Reference: ground condition

 Status:

 Progress: Complete

 Maintenance\_and\_Update\_Frequency: None planned

 Spatial\_Domain:

 Bounding\_Coordinates:

 West\_Bounding\_Coordinate: -87.246524

 East\_Bounding\_Coordinate: -87.228532

 North\_Bounding\_Coordinate: 38.825988

 South\_Bounding\_Coordinate: 38.781401

 Keywords:

 Theme:

 Theme\_Keyword\_Thesaurus: none

 Theme\_Keyword: flood

 Theme\_Keyword: flood-inundation maps

 Theme\_Keyword: hydrologic prediction

 Theme\_Keyword: hydraulic

 Theme\_Keyword: modeling

 Place:

 Place\_Keyword: Edwardsport, Indiana

 Access\_Constraints:

 None. This dataset is provided by USGS as a public service. Users

of this geospatial database and geologic information derived from there should acknowledge the U.S. Geological Survey as the source of the data.

 Use\_Constraints:

 Users must assume responsibility to determine the appropriate use of this data. Users should be aware of the limitations of this dataset if using for critical application.

 Point\_of\_Contact:

 Contact\_Information:

 Contact\_Person\_Primary:

 Contact\_Organization: US Geological Survey, Indiana Water Science Center

 Contact\_Address:

 Address\_Type: mailing and physical address

 Address: 5957 Lakeside Blvd.

 City: Indianapolis

 State\_or\_Province: Indiana

 Postal\_Code: 46278

 Country: USa

 Native\_Data\_Set\_Environment: Microsoft Windows Vista Version 6.1 (Build 7601) Service Pack 1; ESRI ArcCatalog 9.3.1.3000

 Cross\_Reference:

 Citation\_Information:

 Originator: US Geological Survey, Indiana Water Science Center

 Publication\_Date: 2014

 Title: Flood-Inundation Maps for the White River near Edwardsport, Indiana

 Geospatial\_Data\_Presentation\_Form: document

 Series\_Information:

 Series\_Name: Scientific Investigations Report

 Issue\_Identification: SIR 5219

 Publication\_Information:

 Publication\_Place: Reston, Virginia

 Publisher: U.S. Geological Survey

Data\_Quality\_Information:

 Attribute\_Accuracy:

 Attribute\_Accuracy\_Report: Attributes for water-surface elevation were input from the HEC-RAS model output data table. Flow input data for the HEC-RAS model were obtained from the most current stage-discharge relation at USGS streamgage White River near Edwardsport, Ind.(station no. 03360730), Ind.

 Positional\_Accuracy:

 Horizontal\_Positional\_Accuracy:

 Horizontal\_Positional\_Accuracy\_Report: As with any engineering analysis of this type, variation from the estimated flood heights and flood-plain boundaries is possible. Details of the process used to produce these data can be found in project documentation available from the data contact person. Horizontal accuracy was tested by evaluating

boundaries to best available topographic dataset.

 Vertical\_Positional\_Accuracy:

 Vertical\_Positional\_Accuracy\_Report: As with any engineering analysis of this type, variation from the estimated flood heights and flood-plain boundaries is possible. Details of the process used to produce these data can be found in project documentation available from the data contact person. Vertical accuracy was tested by evaluating

boundaries to best available topographic dataset.

 Lineage:

 Source\_Information:

 Source\_Citation:

 Citation\_Information:

 Originator: U.S. Geological Survey, Indiana Water Science Center

 Publication\_Date: 2014

 Title: Flood-Inundation Maps for the White River near Edwardsport, Indiana

 Series\_Information:

 Series\_Name: Scientific Investigations Report

 Publication\_Information:

 Publication\_Place: Reston Virginia

 Publisher: U.S. Geological Survey

 Larger\_Work\_Citation:

 Citation\_Information:

 Originator: U.S. Geological Survey

 Publication\_Date: 2014

 Title: Flood-Inundation Maps for the White River near Edwardsport, Indiana

 Process\_Step:

 Process\_Description: Metadata imported.

 Source\_Used\_Citation\_Abbreviation: [http://dx.doi.gov/sir/2014/5219](http://dx.doi.gov/sir/2014/xxxx) Process\_Date: 20140924

 Process\_Time: 13054600

 Process\_Contact:

 Contact\_Information:

 Contact\_Organization\_Primary:

 Contact\_Organization: U.S. Geological Survey

 Contact\_Address:

 Address\_Type: mailing and physical address

 Address: 5957 Lakeside Blvd

 City: Indianapolis

 State\_or\_Province: Indiana

 Postal\_Code: 46278

 Country: USA

Spatial\_Data\_Organization\_Information:

 Direct\_Spatial\_Reference\_Method: Raster

 Raster\_Object\_Information:

 Raster\_Object\_Type: Grid Cell

 Row\_Count: 1623

 Column\_Count: 510

 Vertical\_Count: 1

Spatial\_Reference\_Information:

 Horizontal\_Coordinate\_System\_Definition:

 Planar:

 Map\_Projection:

 Map\_Projection\_Name: Transverse Mercator

 Transverse\_Mercator:

 Scale\_Factor\_at\_Central\_Meridian: 0.999967

 Longitude\_of\_Central\_Meridian: -87.083333

 Latitude\_of\_Projection\_Origin: 37.500000

 False\_Easting: 2952750.000000

 False\_Northing: 820208.333333

 Planar\_Coordinate\_Information:

 Planar\_Coordinate\_Encoding\_Method: row and column

 Coordinate\_Representation:

 Abscissa\_Resolution: 10.000000

 Ordinate\_Resolution: 10.000000

 Planar\_Distance\_Units: survey feet

 Geodetic\_Model:

 Horizontal\_Datum\_Name: North American Datum of 1983

 Ellipsoid\_Name: Geodetic Reference System 80

 Semi-major\_Axis: 6378137.000000

 Denominator\_of\_Flattening\_Ratio: 298.257222

 Vertical\_Coordinate\_System\_Definition:

 Altitude\_System\_Definition:

 Altitude\_Datum\_Name: North American Vertical Datum of 1988

 Altitude\_Resolution: 0.000001

 Altitude\_Distance\_Units: feet

 Altitude\_Encoding\_Method: Attribute values

Distribution\_Information:

 Distributor:

 Contact\_Information:

 Contact\_Organization\_Primary:

 Contact\_Organization: U.S. Geological Survey, Indiana Water Science Center

 Contact\_Position: GIS Specialist

 Contact\_Address:

 Address\_Type: mailing and physical address

 Address: 5957 Lakeside Blvd.

 City: Indianapolis

 State\_or\_Province: Indiana

 Postal\_Code: 46278

 Contact\_Voice\_Telephone: 317-290-3333

 Resource\_Description: Downloadable Data

 Distribution\_Liability:

 This database, identified as sir5219, has been approved for release

 and publication by the Director of the USGS. Although this

 database has been subjected to rigorous review and is substantially

 complete, the USGS reserves the right to revise the data pursuant

 to further analysis and review. Furthermore, it is released on

 condition that neither the USGS nor the U.S. Government

 may be held liable for any damages resulting from its authorized or

 unauthorized use.

 Although these data have been processed successfully on a computer

 system at the U.S. Geological Survey, no warranty expressed or

 implied is made regarding the display or utility of the data on any

 other system, or for general or scientific purposes, nor shall the

 act of distribution constitute any such warranty

 Any use of trade, product, or firm names is for descriptive

 purposes only and does not imply endorsement by the U.S. Government.

 Although this information product, for the most part, is in the

 public domain, it also contains copyrighted materials as noted in

 the text. Permission to reproduce copyrighted items for other

 than personal use must be secured from the copyright owner.

 This coverage may be redistributed if it is not edited and is properly referenced.

 Standard\_Order\_Process:

 Digital\_Form:

 Digital\_Transfer\_Information:

 Transfer\_Size: 3.194

 Available\_Time\_Period:

 Time\_Period\_Information:

 Single\_Date/Time:

 Calendar\_Date: unknown

Distribution\_Information:

 Distributor:

 Contact\_Information:

 Contact\_Organization\_Primary:

 Contact\_Organization: U.S. Geological Survey

 Contact\_Address:

 Address\_Type: Mailing address

 Address:

 USGS Information Services

 Box 25286

 City: Denver

 State\_or\_Province: Colorado

 Postal\_Code: 80225

 Country: USA

 Contact\_Voice\_Telephone: 1-888-ASK-USGS

 Contact\_Electronic\_Mail\_Address: http://answers.usgs.gov

 Contact\_Instructions: Contact via email

 Standard\_Order\_Process:

 Digital\_Form:

 Digital\_Transfer\_Information:

 Transfer\_Size: 3.194

Metadata\_Reference\_Information:

 Metadata\_Date: 20140924

 Metadata\_Contact:

 Contact\_Information:

 Contact\_Organization\_Primary:

 Contact\_Organization: US Geological Survey

 Contact\_Person: GIS Specialist

 Contact\_Address:

 Address\_Type: mailing address

 Address: 5957 Lakeside Blvd

 City: Indianapolis

 State\_or\_Province: Indiana

 Postal\_Code: 46278

 Country: USA

 Contact\_Voice\_Telephone: 1-317-290-3333

 Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial Metadata

 Metadata\_Standard\_Version: FGDC-STD-001-1998

 Metadata\_Time\_Convention: local time

 Metadata\_Extensions:

 Online\_Linkage: http://www.esri.com/metadata/esriprof80.html

 Profile\_Name: ESRI Metadata Profile