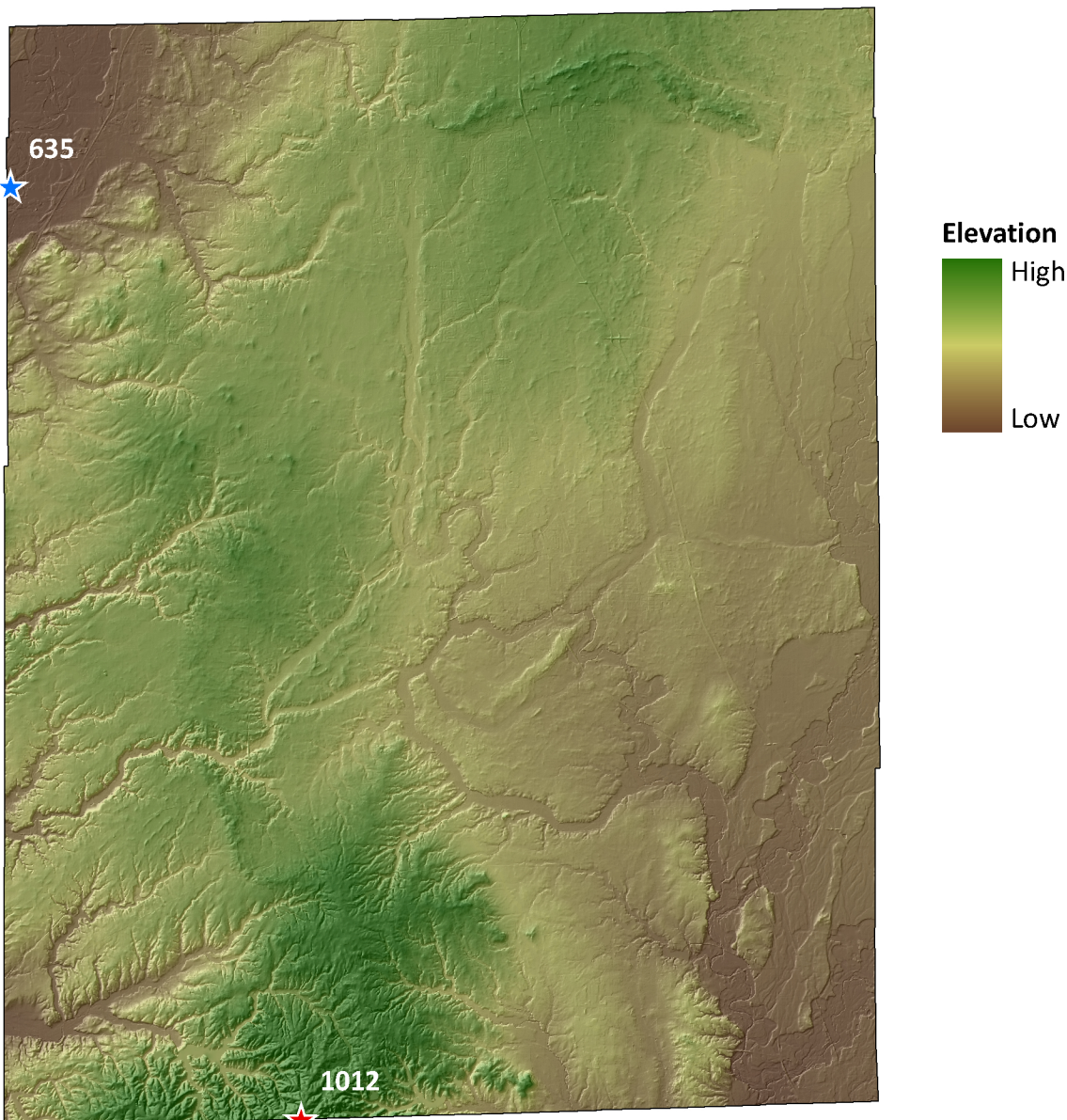


INTRODUCTION

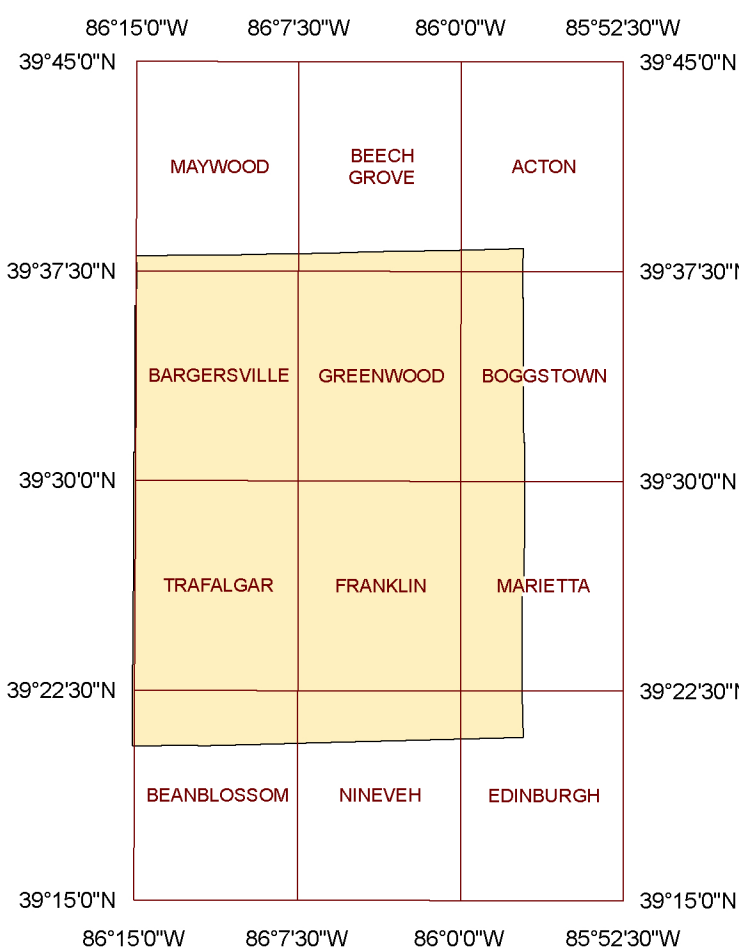
It is often difficult for people to visualize how lines drawn on a flat piece of paper represent natural features such as hills or valleys. To portray natural terrain, the U.S. Geological Survey (USGS) has developed a series of topographic maps. They show the three-dimensional Earth in two dimensions on flat paper by using lines, called contours, that connect points of equal elevation. For many years, the USGS 7.5-minute topographic maps have provided detailed information about roads, governmental jurisdiction, land use, water resources, and perhaps most notably, land elevation and topographic relief. With experience, users can interpret contour lines and make the leap from the two-dimensional map to a three-dimensional mental image, visualizing terrain such as hills, ravines, stream valleys, and sinkholes. However, by combining the traditional topographic map with a computer-generated image, the terrain can more easily be visualized.

MAP INFORMATION

The simulated shaded relief terrain displayed on this map is derived from the Indiana digital elevation model, which was created as part of the Indiana 2005 Statewide Orthophotography Project. There is no vertical exaggeration of the data; however, the contrast and brightness of the shaded relief was adjusted to enhance the image. The topographic-map mosaic of the county was created by Indiana University using the USGS digital raster graphics (DRG); a DRG is a scanned image of a USGS standard-series 7.5-minute topographic map (scale 1:24,000). The mosaic was created by piecing the individual images together into one seamless image. The road features are from Tele Atlas Dynamap/2000, which has more current road features than the DRGs. No modifications have been made to the original source data; some errors or inconsistencies may be present.



Index map of Johnson County showing terrain. The blue star indicates the approximate location of the lowest elevation in the county; the red star indicates the approximate location of the highest elevation. Data are derived from the Indiana 2005 digital elevation model. Values are in feet above sea level.



Index map of Johnson County showing U.S. Geological Survey 7.5-minute topographic map boundaries and names.



Index map of Indiana showing location of Johnson County.

DATA DISCLAIMER:
This data set was compiled by Indiana University, Indiana Geological Survey, using data believed to be accurate; however, a degree of error is inherent in all data. This product is distributed "AS IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability for a particular purpose or use. No attempt has been made in either the design or production of these data to define the limits or jurisdiction of any federal, state, or local government. These data are intended for use only at the published scale or smaller and are for reference purposes only. They are not to be construed as a legal document or survey instrument. A detailed on-the-ground survey and historical analysis of a single site may differ from these data.

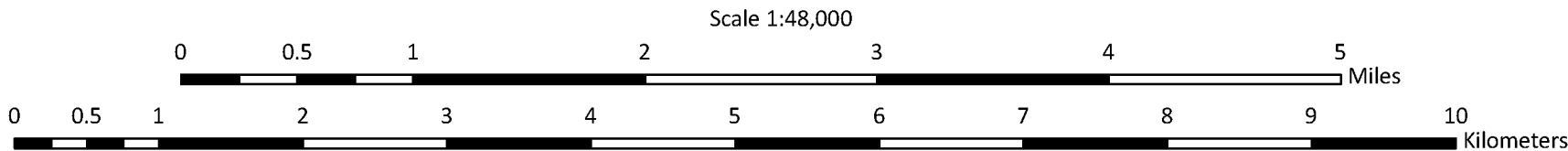
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Road data © 1984–2007 Tele Atlas, Rel. 02/2007

Projection: Universal Transverse Mercator North American Datum 1983, Zone 16 North.

Map layers derived from geographic information systems (GIS) data:
Streets, TeleAtlas
Landuse/cover, County, Poly
Quadrangles, 24K, US, IN
JohnsonCo, HS
DRG, 24K, IN
Elevation, high, low, pH, IN

Detailed information (metadata) about these data sets can be found at: <http://gis.indiana.edu/>; data sets can also be downloaded from the interactive map "A GIS Atlas for Indiana."



Shaded Relief Map of Johnson County, Indiana

Digital compilation by Kimberly H. Sowder and Paul N. Irwin

2008



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