This map was prepared by the Illinois State Geological Survey, in cooperation with the Illinois Department of Commerce and Community Affairs and the Carroll County Board. It is part of a suite of maps created to assist county officials in identifying surface topography. A shaded relief map depicts an artificially illuminated topographic surface. For this map, the simulated light source was positioned at an azimuth of 315 degrees (northwest) and an inclination of 45 degrees above the horizontal plane. Shades of gray are used to show the orientation and local variation in topography. Landform shading may also be influenced by the shadows of nearby landforms of higher elevation.

Although a shaded relief map does not depict absolute elevation, the variation in elevation can be easily seen and usefully interpreted. The difference in maximum and minimum elevation in surface topography is relief. Relief does not indicate an absolute elevation, but rather the local variation in elevation. A shaded relief map depicts an artificially illuminated topographic surface. For this map, the simulated light source was positioned at an azimuth of 315 degrees (northwest) and an inclination of 45 degrees above the horizontal plane. Shades of gray are used to show the orientation and local variation in topography. Landform shading may also be influenced by the shadows of nearby landforms of higher elevation.

This map was created from data compiled from Digital Raster Graphic files of 7.5-minute topographic quadrangles from the United States Geological Survey Mid-Continent Mapping Center using ArcScan software from Environmental Systems Research Institute, Inc. The use of trade names or brand names does not constitute an endorsement by the Illinois State Geological Survey.

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