southeastern Illinois where high quality data are not yet available. discussed elsewhere (U.S. Geological Survey, 1992, Parts 1–3). All of the DEM data used to map. Specifications for USGS DEM data are contour lines) is generally 50 feet for 1:250,000-scale topographic maps but typically 10 feet scale differences, in Illinois the contour interval (the vertical distance between successive DEMs produced from 1:24,000-scale topographic maps. In addition to horizontal DEMs are data files that consist of elevations of the ground surface determined by sampling across a topographic map at regularly spaced, horizontal intervals depending upon the map angle of 40 degrees above the horizon.

This digital elevation models (DEM) produced by the U.S. Geological Survey from the satellite imagery acquired during the spring, summer, and fall seasons of 1999 and 2000. elevations and to portray the ground terrain more realistically (see the elevation column Grimley et al. (2001).

Illinois. The Surficial Deposits inset map helps to identify additional landscape features, and terrain distinguishing the unglaciated areas in northwestern, southwestern, and southern prominent glacial end moraines in Bureau, Lee, and McLean Counties; the unusual ridged exaggeration makes it much easier to discern subtle landscape features on Illinois' relatively materials that constitute the surface of Illinois. This inset map, adapted from Lineback (1979), shows a general interpretation of the prominent Intersecting Interstate route County boundary 2000). satellite imagery acquired in 1999 and from Landsat Thematic Mapper surface water features are interpreted (with the exception of Lake Michigan, materials that constitute the surface of Illinois. Illinois State Geological Survey, Bulletin 104, 116 p. <http://rockyweb.cr.usgs.gov/nmpstds/demstds.html>.

Legends

**Hydrology**

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Acknowledgments

The authors thank Dan Byers for his assistance with the graphics software and Bryan

Research Institute. <http://www.or.blm.gov/gis/mapping/