

Table with 4 columns: SYSTEM, QUATERNARY, MISSISSIPPIAN, DEVONIAN, SILURIAN, and ORDOVICIAN. Rows list geological formations like Alluvium, Menard Limestone, Waltersburg Formation, etc., with their lithology and thickness in feet.

Table with 2 columns: DESCRIPTION OF MAPPED UNITS and GIBBS FORMATION. Rows describe units like Oolite, Mena, Waltersburg, etc., with detailed lithological and structural descriptions.

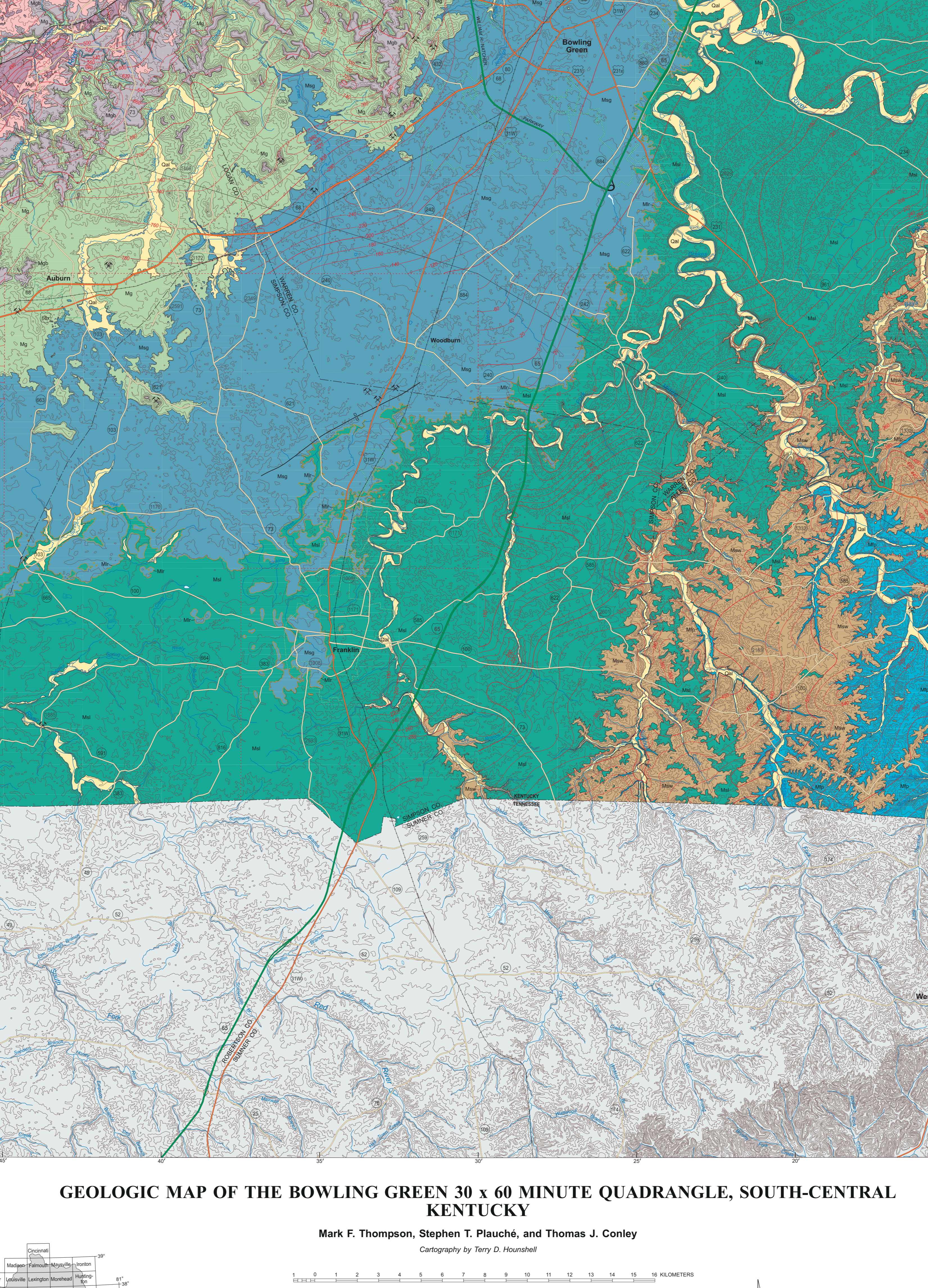
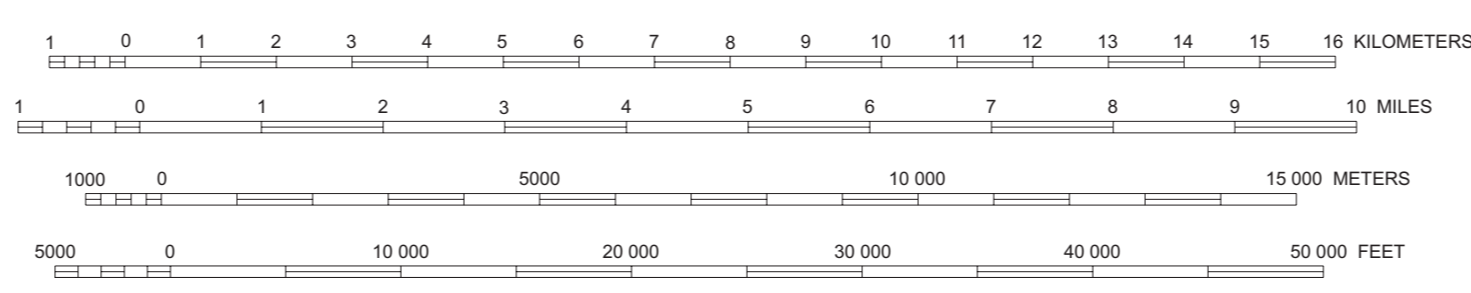


Table with 2 columns: ECONOMIC AND ENGINEERING GEOLOGY and REFERENCES CITED. The first column lists economic resources like oil, gas, and limestone. The second column lists references for the map's data.

GEOLOGIC MAP OF THE BOWLING GREEN 30 x 60 MINUTE QUADRANGLE, SOUTH-CENTRAL KENTUCKY

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ACKNOWLEDGMENTS: This map was digitally generated from 1:24,000-scale geologic maps under the STRATMAP program... DISCLAIMER: Although this map was compiled from digital data...

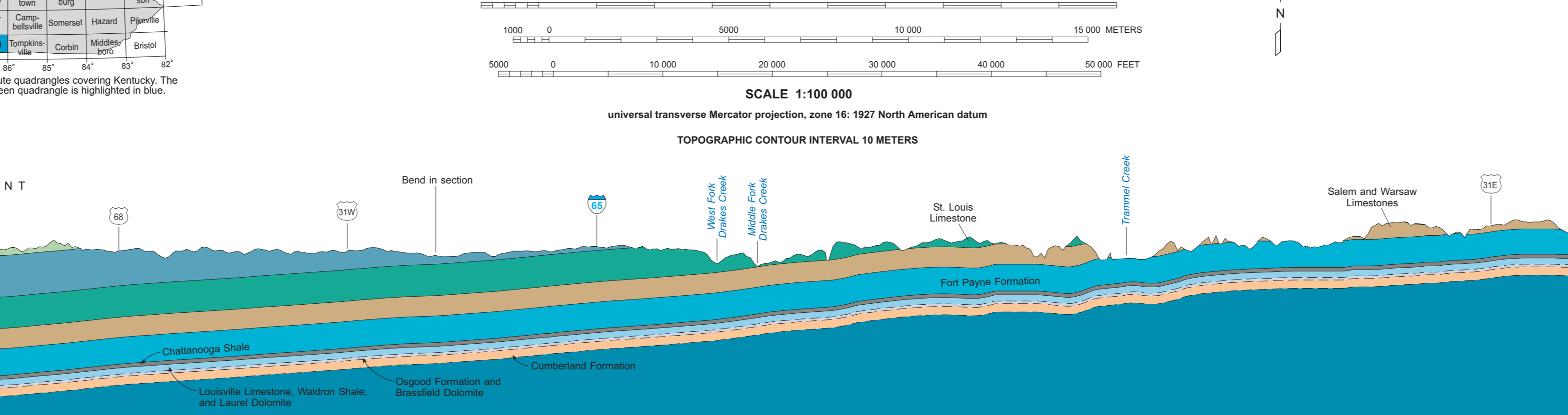
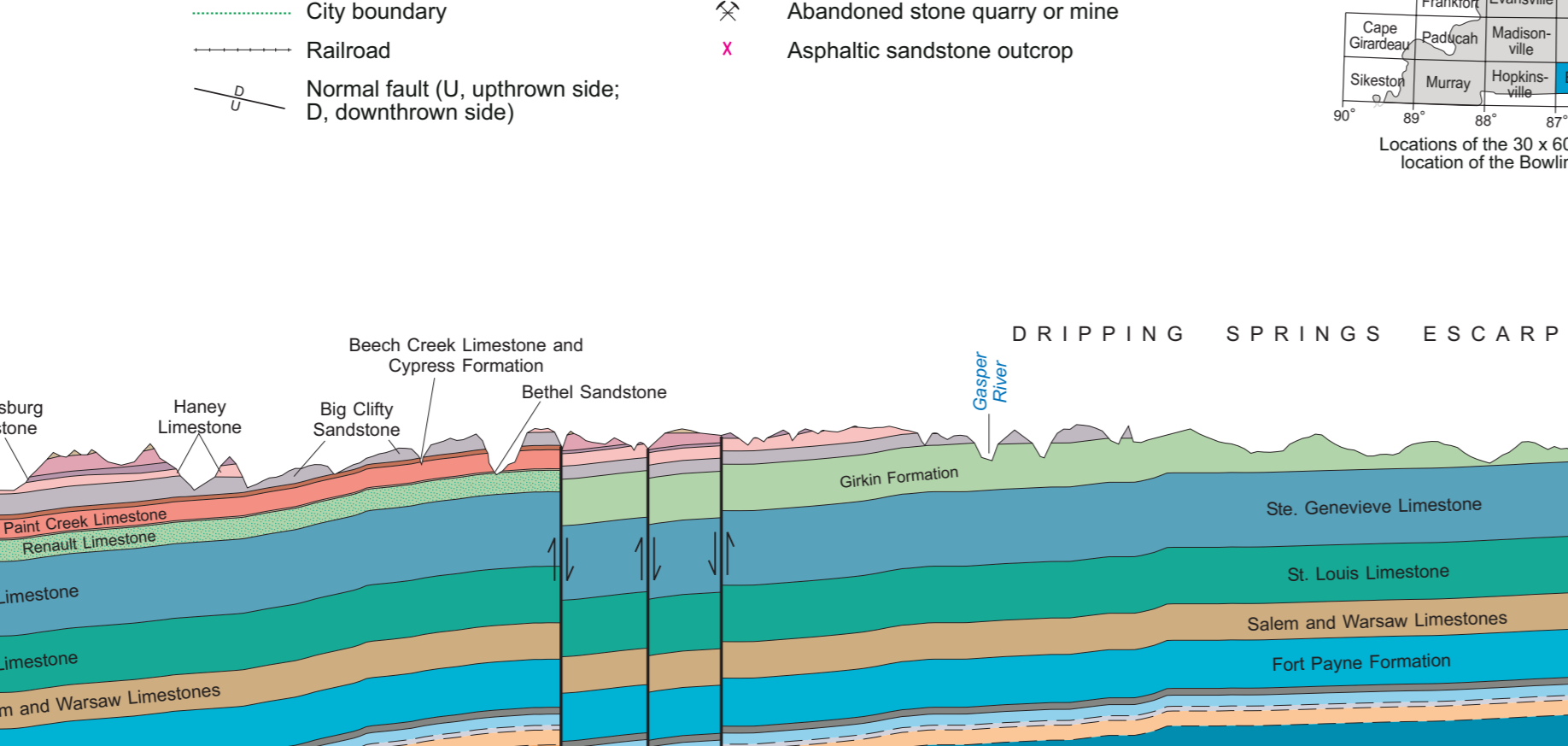


Figure 1. Locations of the 24 quadrangles used in the digital compilation... Figure 2. Structure contours in the Bowling Green 30 x 60 minute quadrangle... Figure 3. Stratigraphic column of the Bowling Green 30 x 60 minute quadrangle...

INTRODUCTION: This version of the geology of the Kentucky portion of the Bowling Green 30 x 60 minute quadrangle was digitally compiled from U.S. Geological Survey 7.5-minute geologic quadrangle maps (GQs) as cited in the references... MEMBER OF THE JEFFERSONVILLE LIMESTONE, CLEAR CREEK FORMATION, DECATUR LIMESTONE, BROWN SPRING, DIVON AND LEGG MEMBERS OF THE LOUISVILLE LIMESTONE, BUREAU DOLOMITE, BRADFORD DOLomite (SHEWAN) AND OTHERS, 1972...

Table 1. Estimated rock volume within the Bowling Green 30 x 60 minute quadrangle. Columns: Formation, Specified, Measured (Total).

Gravel deposits occur in the southwestern, central, and southeastern parts of the Bowling Green quadrangle... The groundwater resources for the Bowling Green quadrangle are generally good... The petroleum pool elevation of Barren River Lake is 160 m (525 ft) during seasonal periods of high precipitation...

REFERENCES CITED: Anderson, W.H., Spivey, T.N., Patton, J.A., Yang, X.V., and Seppert, R.E., 1990. Integration of regional geologic databases and a geologic database in Kentucky... Mullis, J.E., 2004. Spatial database of the Lucas quadrangle, Kentucky... Thompson, M.F., 2003a. Spatial database of the Bowling Green South quadrangle, Kentucky...