

DESCRIPTION OF MAPPED UNITS—Adapted from Martin (2004) and Martin and others (2007)

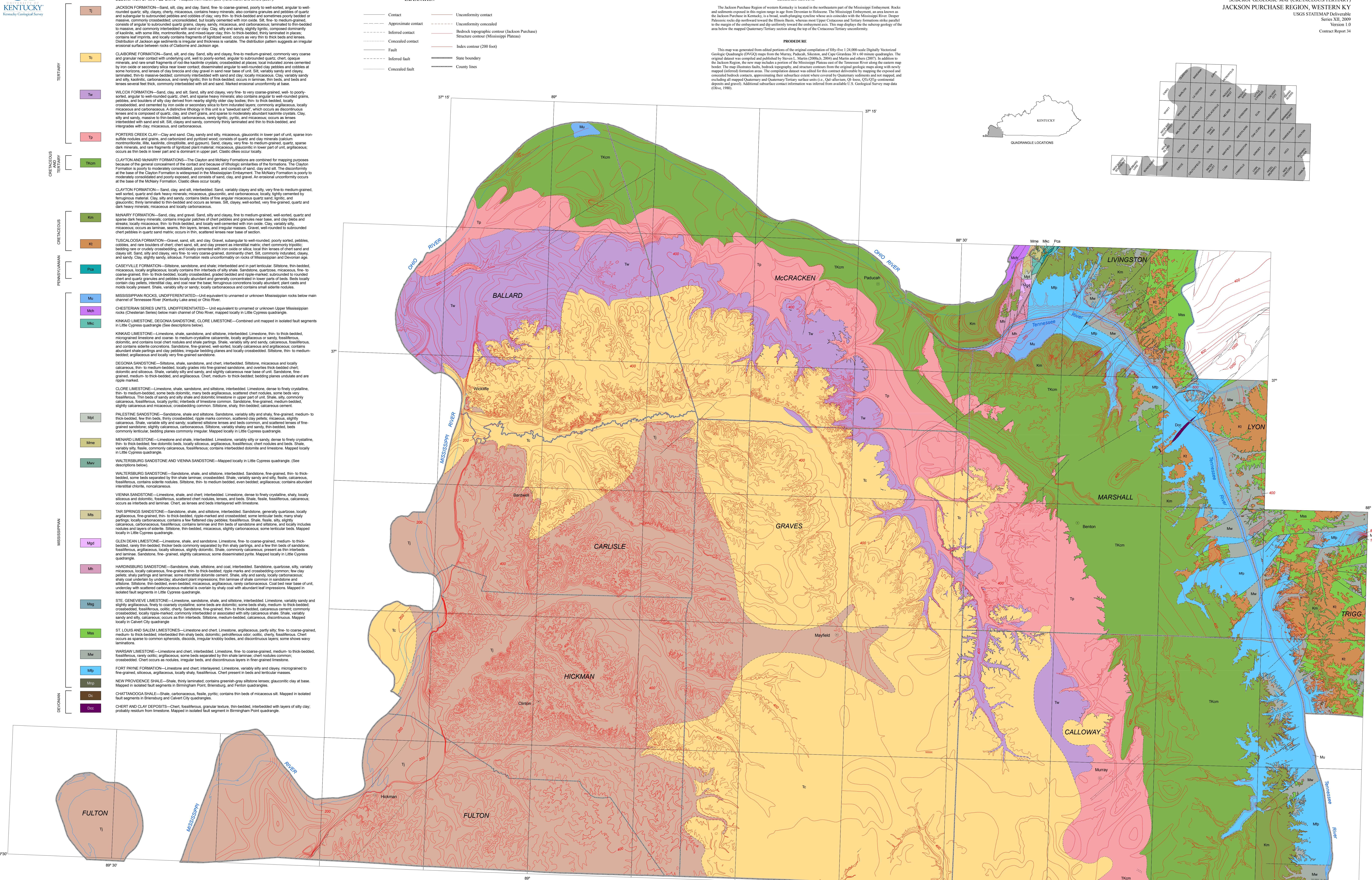
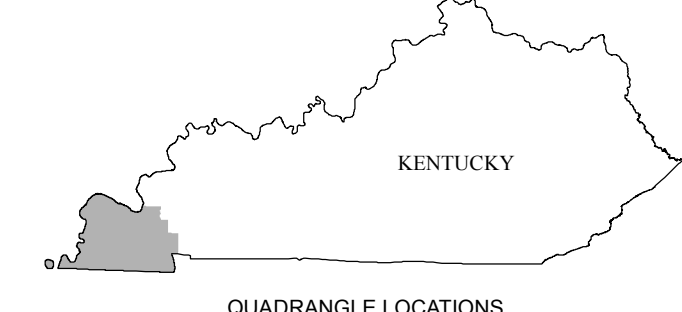
EXPLANATION

GEOLOGIC SETTING

The Jackson Purchase Region of western Kentucky is located in the southeastern part of the Mississippi Embayment. Blocks and sediments exposed in this region range in age from Devonian to Holocene. The Mississippi Embayment, an area known as the Jackson Purchase in Kentucky, is a broad, north-south trending tectonic belt...

PROEDURE

This map was generated from edited portions of the original compilation of fifty-five 1:24,000-scale Digitally Vectorized Geologic Quadrangle (DVGQ) maps from the Murray, Paducah, Silchester, and Cape Girardeau 30 x 60 minute quadrangles. The original dataset was compiled and published by Steven L. Martin (2004a, 2004) and Martin and others (2007)...



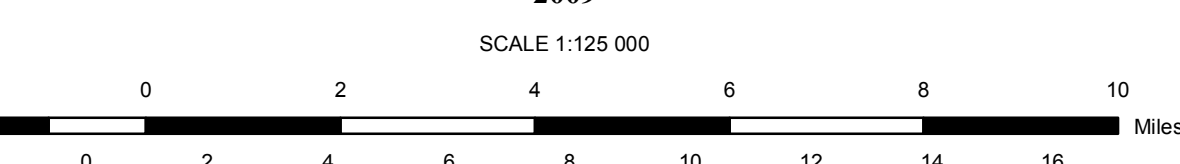
REFERENCES

- Martin, S.L., 2004. Geologic map of the Murray and part of the Silchester 30 x 60 minute quadrangles, western Kentucky. Kentucky Geological Survey, ser. 12. Geologic Map 8, scale 1:100,000.
Martin, S.L., 2004a. Digital geologic map of the Jackson Purchase Region, western Kentucky. in: Solter, D.R., ed., Digital Mapping Techniques '04. Westbury Proceedings of the U.S. Geological Survey Open-File Report 10-325, p. 177.
Martin, S.L., 2004b. Geologic map of the Jackson Purchase Region, western Kentucky. in: Smith, R.A., and Davidson, B., eds., Economic and engineering geology of the Jackson Purchase Area, Kentucky, Year 2000 Annual Field Conference of the Kentucky Society of Professional Geologists, plate 1, scale 1:200,000.

SUBCROP GEOLOGIC MAP OF CRETACEOUS/TERTIARY SECTION, JACKSON PURCHASE REGION, WESTERN KENTUCKY

Compiled by Thomas N. Sparks

Modified from compilations by Steven L. Martin, Warren H. Anderson, and Thomas N. Sparks



DISCLAIMER

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ACKNOWLEDGMENTS

This map was generated using previously published data from 1:24,000-scale Digitally Vectorized Geologic Quadrangle (DVGQ) maps of the Murray, Paducah, Silchester, and Cape Girardeau 30 x 60 minute quadrangles compiled by KGS personnel (1999-2004) and compiled by Steven L. Martin (2004a, 2004) and Martin and others (2007). This work was funded in part by the U.S. Geological Survey National Cooperative Mapping Program under the STATEMAP Program authorized by the National Geologic Mapping Act of 1992. Grant No. 08HQ00003, and by the Kentucky Geological Survey Digital Mapping for the Bedrock Topographic and Structure Contours was initially completed by Steven L. Martin from the original geologic maps. Subsurface information was used from data on file at the Kentucky Geological Survey as well as map data contributed by the U.S. Geological Survey (Oliver, 1980).