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Generalized Geologic Map for Land-Use Planning: Marshall County, Kentucky

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for
Land-Use Planning:
Marshall County, Kentucky

E. Oylin Beck, David A. Williams, and Daniel I. Carey

Acknowledgments
This map is part of the Kentucky Geological Survey's Digital Geologic Map of Kentucky series. For more information, visit www.kgs.uky.edu.

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Geologic Hazards
The Kentucky Geological Survey has not evaluated the risk of geologic hazards for the areas shown on this map. The survey recommends that any further inquiries be directed to the Kentucky Division of Homeland Security.

Earthquake Hazard Information
The Kentucky Geological Survey has evaluated the risk of earthquake hazard for the areas shown on this map. The survey recommends that any further inquiries be directed to the Kentucky Division of Homeland Security.

Planning Guidance by Rock Unit Type

7.5-Minute Quadrangle Maps

Planning Table Definitions

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Additional Planning Resources
Visit the Kentucky Division of Homeland Security website for more information on planning and development of land. For specific guidance on land use, consult with local government officials and community planning organizations.

Reference

Geomorphology
Marshall County is located in the Western Kentucky Upland Province. The area is characterized by rolling to gently undulating terrain with Elevations range from 100 to 400 feet above sea level.

Geology
The geology of Marshall County is dominated by bedrock of the Middle Mississippian (Pennsylvanian) Series, which includes the Colesville and Covington Formations. The Colesville Formation consists of shales, siltstones, sandstones, and limestones, while the Covington Formation is composed of sandstones and limestones. The bedrock is underlain by the younger Coal Measures of the Triassic Period, which include the Mt. Albion and Taylor Formations.

Land Use
The county is primarily rural, with a mixture of agricultural and forested areas. The most common land use is agriculture, followed by forests and open space. The county is home to the City of Calvert City, which is the largest city in the county. The county also has several small towns, including Landrum, Roanoke, and Westlock.

Water Resources
Marshall County has a moderate water resource potential. The county has a few small streams and creeks, but it does not have a significant water supply. The county is served by the Marshall County Water District, which supplies water to the county's residents.

References