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

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The map shows the geographic distribution of different rock units and their implications for land use planning. Here are the key points:

1. **Rock Units**:
   - **Cobble Stone**: Found in the northeastern part of the county. Suitable for construction due to its stability and uniformity.
   - **Fluvial Sandstone**: Common in the eastern part. It is good for agriculture and foundation materials.
   - **Limestone**: Prevalent in the central and southern regions. Ideal for construction, agriculture, and mining.
   - **Till**: Present in the western part of the county. It is good for agriculture but requires drainage improvement.

2. **Land Use Planning**:
   - **Agriculture**: Most suitable areas include the northern and eastern parts with good soil conditions.
   - **Residential Development**: Avoid areas with high water tables and unstable soils.
   - **Commercial Development**: Prefer areas with good infrastructure and access.

3. **Environmental Considerations**:
   - **Water Quality**: Avoid areas with high mineral content to prevent water pollution.
   - **Soil Erosion**: Manage slopes and prevent erosion to maintain soil quality.

4. **Additional Resources**:
   - **Geologic Survey Reports**: Available for detailed exploration of the area.
   - **Water Management Plans**: Ensure proper drainage and water storage facilities.

The map is a valuable tool for planners, developers, and environmentalists to make informed decisions about land use and development in Rowan County.