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

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Generalized Geologic Map

for Land-Use Planning:
Carter County, Kentucky

Gerald A. Wamester and D. D. Cary

Planning Guidance by Rock Unit Type

LAND USE PLANNING TABLE DEFINITIONS

Foundation and Evaluation

- Bedrock: bedrock materials are the solid, unconsolidated rocks beneath the ground surface that may be exposed by erosion. (Examples: sandstone, shale, limestone)
- Surfaces: the base of the water table is the depth below the land surface to which water is in direct contact. (Examples: Elevation 1000 feet)
- Groundwater: the flow of underground water is controlled by the geology of the area, (Examples: rainfall, seepage, springs)
- Sinkholes: sinkholes are formed by dissolved solution, (Examples: limestone)
- Springs: springs are caused by the flow of underground water, (Examples: limestone)
- Seasonal high water: seasonal high water is the water level that is above the land surface, (Examples: flooding)
- Reservoir: a reservoir is a man-made body of water, (Examples: damming)
- Wells: wells are used for water supply, (Examples: drilled, dug)
- Drainage: drainage is the natural flow of water, (Examples: streams, rivers)
- Excavation: excavation is the process of removing soil or rock from the ground, (Examples: mining)
- Environmental: environmental factors include climate, topography, and vegetation, (Examples: temperature, sunny)
- Water: water is a natural resource that is essential for life, (Examples: drinking, irrigation)
- Soil: soil is the top layer of the earth that contains nutrients, (Examples: fertile, rocky)
- Vegetation: vegetation is the plants and animals that live in an area, (Examples: trees, grass)
- Wildlife: wildlife is the animals that live in an area, (Examples: deer, birds)
- Minerals: minerals are natural substances that are useful to humans, (Examples: gold, silver)
- Agriculture: agriculture is the production of crops and livestock, (Examples: farming, grazing)
- Forestry: forestry is the management of trees and forests, (Examples: logging, planting)