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

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Planning Guidance by Rock Unit Type

1. Seek professional assistance prior to construction.
2. Water Slope instability decreases as soil moves into the soil. Excess, wet soil, gullying, landslides, and water seepage are factors in soil instability. Water slope instability is reduced when water is diverted away from areas susceptible to instability. Drainage and water management are the primary means of controlling water slope instability.
3. Changing the route of steep areas around more protected areas.

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What are the factors that cause landslides?

What are some ways to prevent landslides?

Water Can Cause Landslides

- Red and steep areas are the key to areas susceptible to landslides.
- Proper drainage is important to prevent water buildup.

Site Preparation

- Proper drainage is crucial to prevent water buildup.
- Flat land will usually not have water seepage.

REFERENCES


Landslide prevention in eastern Kentucky. Properly located diversion channels are helpful in redirecting runoff away from areas susceptible to instability.


1. Landslide prevention in eastern Kentucky. Properly located diversion channels are helpful in redirecting runoff away from areas susceptible to instability.
2. Federal Emergency Management Agency, 2005:

Photos from the U.S. Department of Agriculture, Natural Resources Conservation Service, no date, Landslide prevention in eastern Kentucky.