

Slope Instability Features

- ▲ Landslide
- ★ Landslide-gully complex
- × Gully
- Gully head
- Interstates
- Major Roads
- Minor Roads
- Chittenden County
- Town Boundaries
- Streams
- Water Bodies

Slope (Percent)

- 0 - 16
- 17 - 33
- 34 - 50
- 51 - 73
- 74 - 100
- 110 - 1,300

Definitions:

Landslide. A landslide is a feature formed by the downslope movement of rock and soil under the effects of gravity. The term includes a wide variety of falls, slides, and flows. They are identified by the presence of steep slopes and/or evidence of soil movement and surface erosion. Most are adjacent to streams. Features below 4 meters in height are not mapped. The mass failures identified during stream geomorphic assessment studies are landslides.

Gully. A steep, narrow stream channel incised into surficial deposits. The stream is commonly a first-order stream and the flow in the bottom is usually intermittent. Unstable gullies have very steep sides and commonly show signs of fresh erosion in the bed and/or at the gully heads.

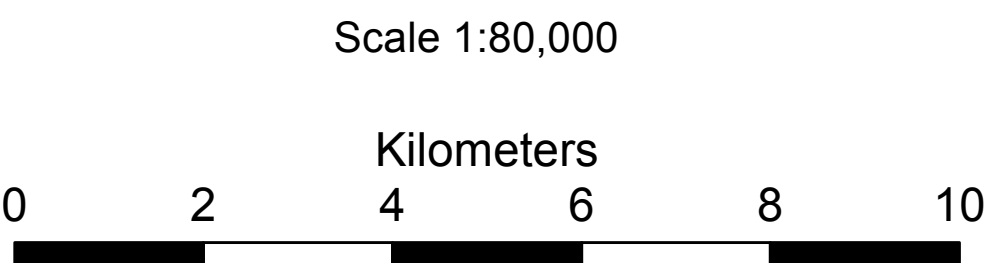
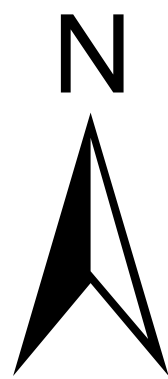
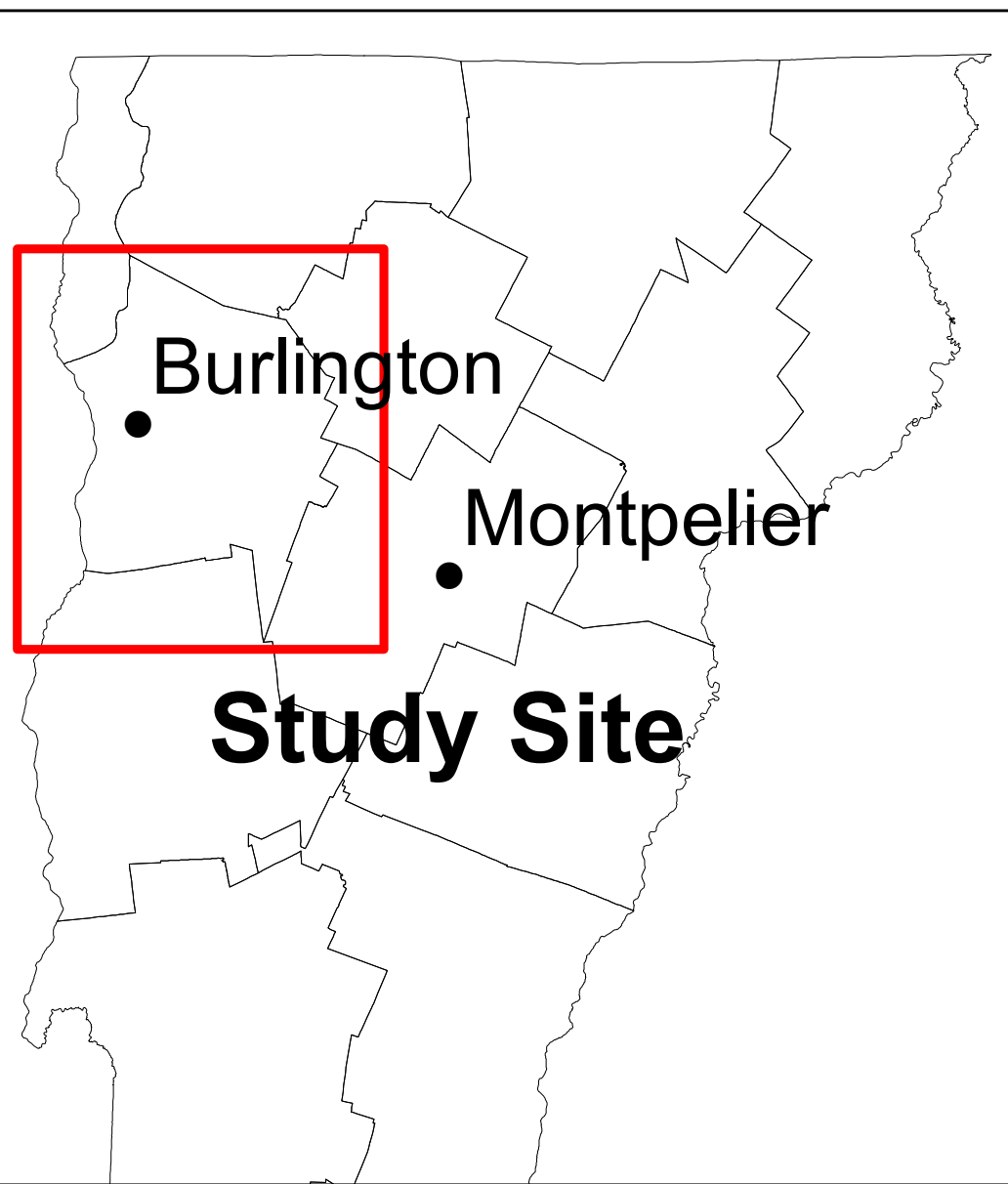
Gully head. The upstream tip of a gully. One gully may have several gully heads.

Landslide-gully complex. A gully with substantial landslides on the sides or at the head.

Coordinate System: Vermont State Plane, FIPS 4400, NAD 83.
Geographic coordinates shown at topo corners are in NAD 83.
Base map data from the Vermont Center for Geographic Information (VCGI).
Slope data derived from 0.7 m lidar DEM from VCGI.

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**Slope Instability Features
of Chittenden County, Vermont
by George Springston
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