



COLLUVIAL SLOPE Valley wall along major streams with slope as steep as 40° (85%); stony, clayey silt soil up to 50 ft. (15 m) thick; commonly buttressed by a terrace or bench at the toe of the slope; very susceptible to sliding by cutting of toe area, removal of terrace or bench, and overloading; landslide commonly activated without apparent cause.



AREAS SUSCEPTIBLE TO DEBRIS FLOWS AND DEBRIS AVALANCHES Primarily shallow, narrow ravines and chutes with accumulation of stony colluvium generally 10 ft. (3 m) or less in thickness; susceptible to rapid movement during intense rainfall. Most ravines designated show evidence of former debris flows and avalanches. Symbol - d. - designates historical debris flow or debris avalanche.



SOIL AND ROCK SUSCEPTIBLE TO LANDSLIDING Soil and rock similar to that involved in landslides elsewhere in map area; primarily areas underlain by claystone, mudstone and shale associated with other rock types. Rock weathers rapidly on exposure forming clayey soil highly susceptible to sliding.

AREAS LEAST PRONE TO LANDSLIDES Map areas in which no patterns or symbols are shown; primarily valley floors, ridge tops and broad benches; modification by excavation and fill may lead to local landslides.

The first five digits of the open file number designate the specific 1:250,000 scale map sheet of which this quadrangle is a part. The last two digits designate the position of the quadrangle in a subdivision of the 1:250,000 scale map based on rows and tiers shown in the diagram to the right. The location of this quadrangle is shown by the black square.

Quarries

quarry site spoil bank, quarry waste

a/f earth flow in fill

Gravel pits

site of gravel pit Slides in man-made features

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a/r earth flow in coal refuse CANTON 1° x 2° MAP SHEET

a/s earth flow in strip castings

