

Figure 4: Examples of landslides by type of movement

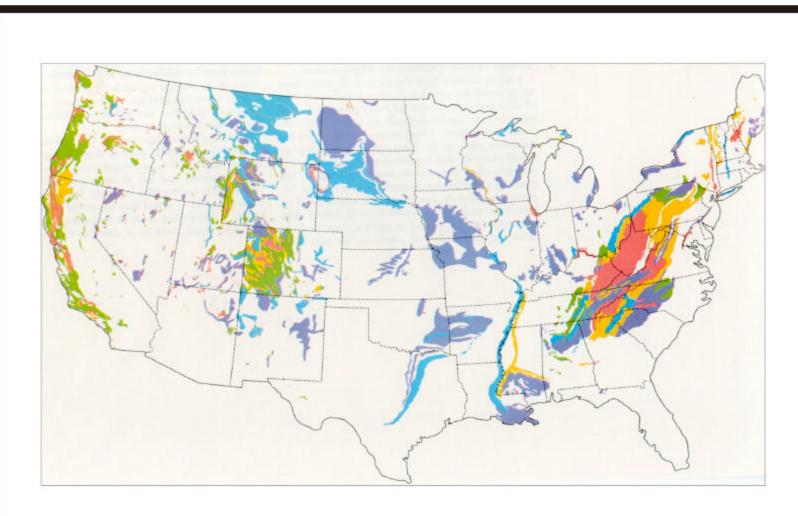


Figure 5. Overview map of landslide problems in the conterminous United States. The severity is highest in areas colored with red and decreases in order of yellow, green, blue, and purple. Areas which may contain landslides or be susceptible to landsliding on a scale too small to be shown are not colored (Geological Survey Professional Paper 1240-B).

Figure 5: Overview map of landslide problems in the conterminous United States

LANDSLIDE INCIDENCE Low (less than 1.5% of area involved) Moderate (1.5%-15% of area involved) High (greater than 15% of area involved) LANDSLIDE SUSCEPTIBILITY/INCIDENCE Moderate susceptibility/low incidence High susceptibility/low incidence High susceptibility/moderate incidence Susceptibility not indicated where same or lower than incidence. Susceptibility to landsliding was defined as the probable degree of response of [the areal] rocks and soils to natural or artificial cutting or loading of slopes, or to anomalously high precipitation. High, moderate, and low susceptibility are delimited by the same percentages used in classifying the incidence of landsliding. Some generalization was necessary at this scale, and several small areas of high incidence and susceptibility were slightly exaggerated.

Figure 6: Landslide Incidence Schedule

Figure 6. Landslide Incidence Schedule (http://landslides.usgs.gov/html)

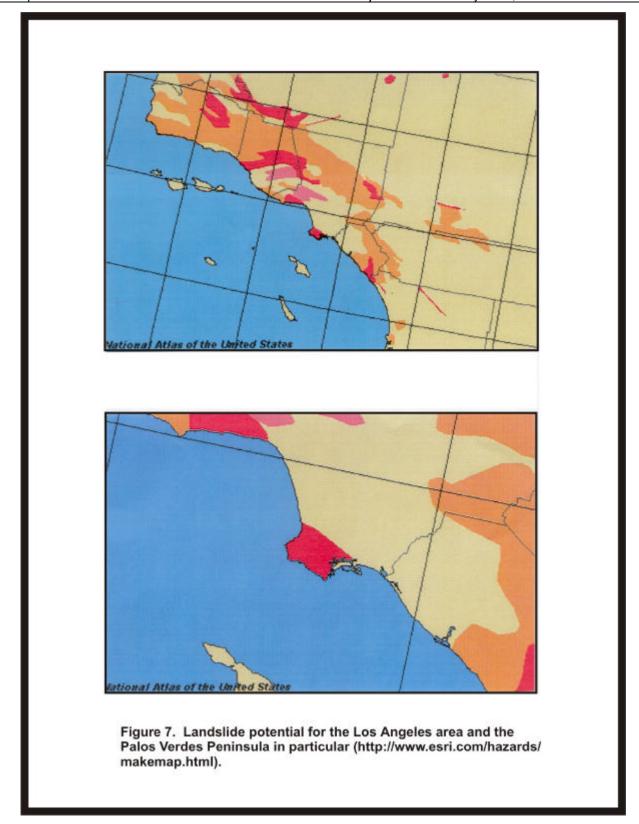


Figure 7: Landslide potential for the Los Angeles area and the Palos Verdes Peninsula in particular

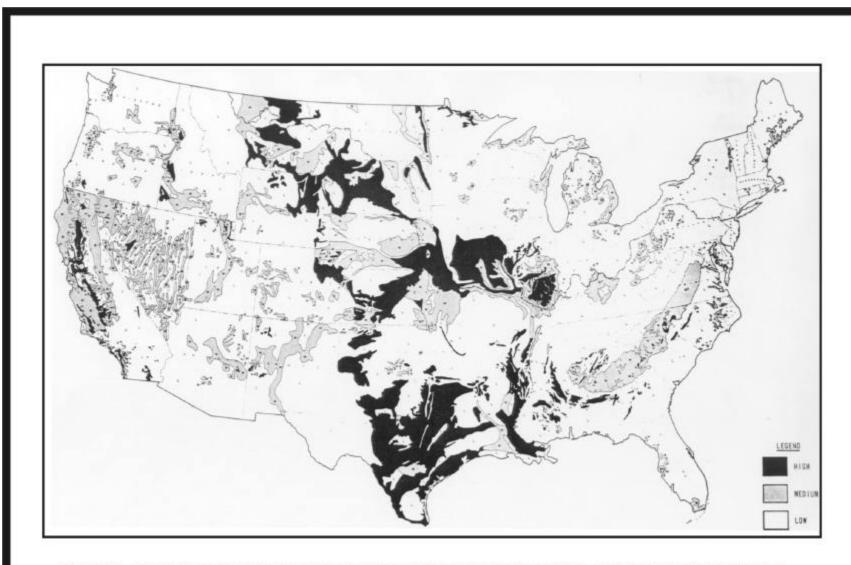


Figure 8. Expansive soils map prepared by James E. Slosson and Associates, Engineering Geologists and published by the J. H. Wiggins Company, February, 1976 (Earthborne Hazards Analysis: An Expected Loss Assessment of Earthquake, Landslide, Expansive Soil, J. H. Wiggins Company, 1976 in NTIS).

Figure 8: Expansive soils map, February, 1976

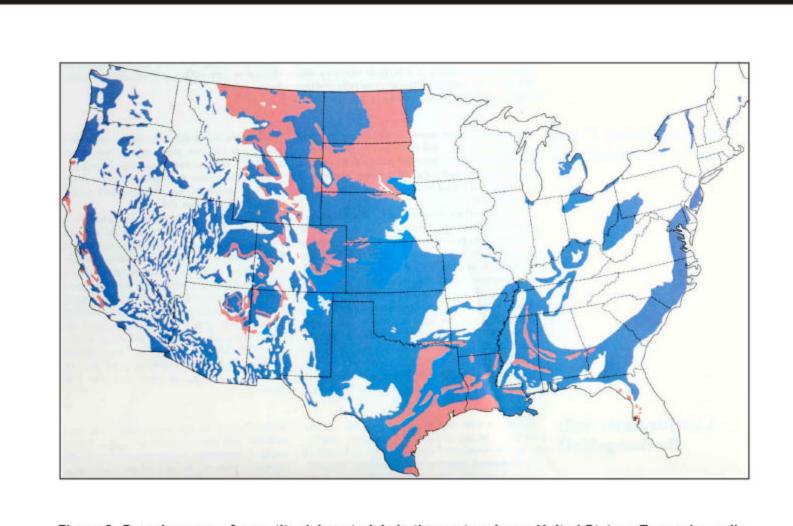


Figure 9. Overview map of smectite rich materials in the conterminous United States. Expansive soils are most abundant in areas colored red and decrease in order of blue and purple (Geological Survey Professional Paper 1240-B).

Figure 9: Overview map of smectite rich materials in the conterminous United States