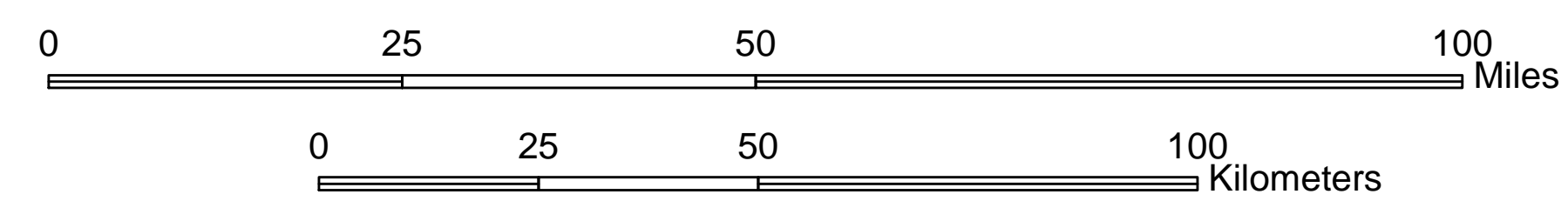


Datum: NAD 1983 UTM Zone 13N
Projection: Transverse Mercator



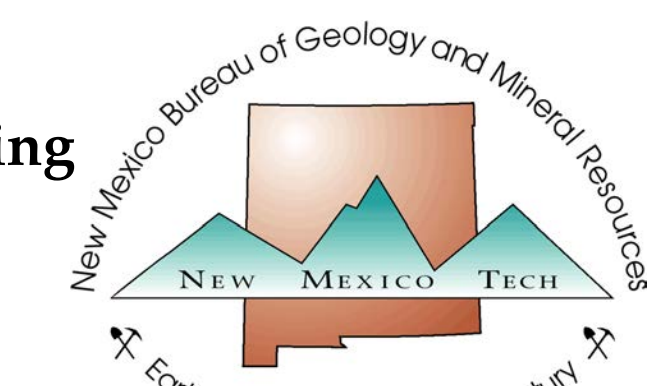
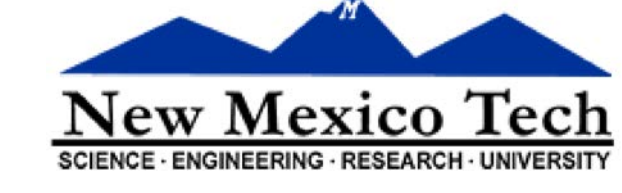
1:750,000

Deep-Seated Landslide Susceptibility Map of New Mexico

New Mexico Bureau of Geology and Mineral Resources

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Comments to Map Users

This susceptibility map displays information on the potential for a given area to host landscape and geologic settings that could be conducive to deep-seated landslide occurrence given adequate driving forces or destabilizing activities, based on the similarity of the area to known landslide-affected areas as determined by a logistic regression model. Mapped known landslides used for model input have occurred over the course of hundreds of thousands of years, under conditions that are not necessarily comparable to today. This map does not contain information on the potential for adequate driving forces to occur, nor does it contain information on the frequency at which adequate driving forces may occur, and hence is not a complete hazard map. This map is intended for use at a spatial scale of 1:750,000 for regional planning purposes and for determining where more detailed studies may be warranted. This map is neither intended nor adequate for risk assessment, nor is this map intended or adequate for site-specific assessments of landslide susceptibility. The New Mexico Bureau of Geology and Mineral Resources shall not be liable under any circumstances for any direct, indirect, special, incidental, or consequential damages with respect to claims by users of this product. The views and conclusions presented here should not be interpreted as necessarily representing the official views or policies, either expressed or implied, of the State of New Mexico.

Susceptibility Classes from logistic regression method

- **Likely susceptible** Regions with landscape settings comparable to those of known landslide-affected areas; these regions are moderately likely to include locations that are susceptible to deep-seated landsliding.
- **Moderately likely** Regions with landscape settings moderately comparable to those of known landslide-affected areas; these regions are moderately likely to include locations that are susceptible to deep-seated landsliding.
- **Potentially susceptible** Regions with landscape settings weakly comparable to those of known landslide-affected areas; these regions may include locations that are susceptible to deep-seated landsliding.
- **Unlikely susceptible** Regions with landscape settings generally dissimilar to those of known landslide-affected areas; these regions are unlikely to include locations that are susceptible to deep-seated landsliding.

Base Layers

- County lines
- Lake
- Intermittent lake
- County seats
- Other cities
- Interstates
- Highways
- Reservoir
- Stream
- Intermittent stream
- Canal
- Dam

Mapped Landslides from Cardinali et al. (1990)

- Landslide Points (area < 1 km²)**
- Location reviewed and adjusted as needed
 - Location not reviewed
- Landslide Polygons (area > 1 km²)**
- Location reviewed and adjusted as needed
 - Location not reviewed