

Legend

- Preparedness Areas
- State Capital
- County Seat
- Other

Road Classification

- Freeway or Other Major Road
- Major Road Less Important than a Freeway
- Other Major Road
- Secondary Road
- Local Connecting Road
- fe_2007_us_state00
- fe_2007_35_county

- Water Features
- Reservoir; Reservoir Intermittent
 - Lake
 - Lake Intermittent
 - Lake Dry
 - Stream
 - Stream Intermittent
 - Canal
 - Dam

Susceptibility Classes

- Extreme (rating of > 3)
- High (rating of 2.5 to 3)
- Moderate (rating of 1.5 to 2.5)
- Low (rating of < 1.5)

Areas with ratings greater than those of most known collapsible soil locations; these areas should be carefully assessed for collapsible soil hazards.

Areas with ratings comparable to those of most known collapsible soil locations; these areas should be carefully assessed for collapsible soil hazards.

Areas with ratings comparable to those of some known collapsible soil locations; the potential for feature-specific collapsible soil hazards should be evaluated.

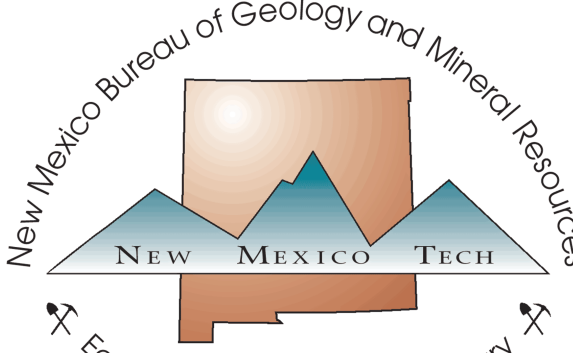
Areas with ratings below those of known collapsible soil locations; however, feature-specific collapsible soil hazards may exist.

Collapsible Soil Susceptibility Map: Total Susceptibility

New Mexico Bureau of Geology and Mineral Resources

December, 2017

by
Alex Rinehart, Colin Cikoski,
Mark Mansell and David Love



New Mexico Bureau of Geology and Mineral Resources
New Mexico Tech
801 Leroy Place
Socorro, New Mexico
87801-4796

[575] 835-5490
<http://geoinfo.nmt.edu>

Comments to Map Users

This susceptibility map displays information on the potential for a given area to host collapsible soils, i.e. soils prone to rapid settling as a result of a combination of applied load and concentrated water percolation (hydrocompaction). Susceptibility was inferred from a quality-weighted overlay summation of multiple layers of susceptibility ratings based on expert evaluation of proxy data correlative with the occurrence of collapsible soils. Susceptibility refers only to the propensity for a set of landscape and climatic conditions to result in collapsible soil hazards; this map does not locate areas that will or will not have collapsible soils. 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 needed. This map is neither intended nor adequate for risk assessment, nor is the map intended or adequate for site-specific assessments of collapsible soil hazards. 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.