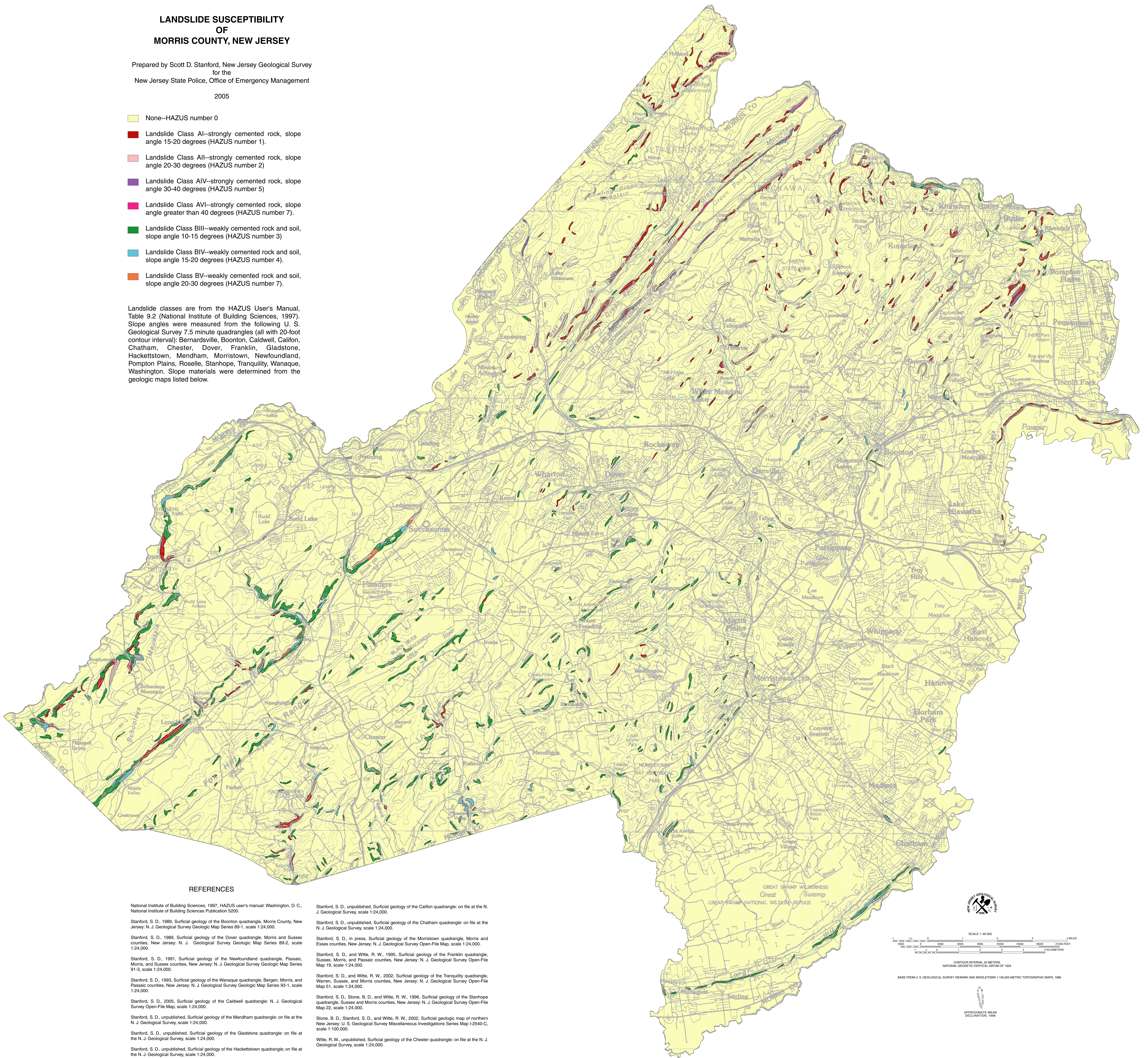


# LANDSLIDE SUSCEPTIBILITY OF MORRIS COUNTY, NEW JERSEY

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- None--HAZUS number 0
- Landslide Class AI--strongly cemented rock, slope angle 15-20 degrees (HAZUS number 1).
- Landslide Class AII--strongly cemented rock, slope angle 20-30 degrees (HAZUS number 2)
- Landslide Class AIV--strongly cemented rock, slope angle 30-40 degrees (HAZUS number 5)
- Landslide Class AVI--strongly cemented rock, slope angle greater than 40 degrees (HAZUS number 7).
- Landslide Class BIII--weakly cemented rock and soil, slope angle 10-15 degrees (HAZUS number 3)
- Landslide Class BIV--weakly cemented rock and soil, slope angle 15-20 degrees (HAZUS number 4).
- Landslide Class BV--weakly cemented rock and soil, slope angle 20-30 degrees (HAZUS number 7).

Landslide classes are from the HAZUS User's Manual, Table 9.2 (National Institute of Building Sciences, 1997). Slope angles were measured from the following U. S. Geological Survey 7.5 minute quadrangles (all with 20-foot contour interval): Bernardsville, Boonton, Caldwell, Califon, Chatham, Chester, Dover, Franklin, Gladstone, Hackettstown, Mendham, Morristown, Newfoundland, Pompton Plains, Roselle, Stanhope, Tranquility, Wanaque, Washington. Slope materials were determined from the geologic maps listed below.



## REFERENCES

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