



**LANDSLIDE SUSCEPTIBILITY
OF
BERGEN COUNTY, NEW JERSEY**

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- None—HAZUS number 0
- Landslide Class A I—strongly cemented rock, slope angle 15-20 degrees (HAZUS number 1)
- Landslide Class A II—strongly cemented rock, slope angle 20-30 degrees (HAZUS number 2)
- Landslide Class A IV—strongly cemented rock, slope angle 30-40 degrees (HAZUS number 5)
- Landslide Class A VI—strongly cemented rock, slope angle > 40 degrees (HAZUS number 7)
- Landslide Class B III—weakly cemented rock and soil, slope angle 10-15 degrees (HAZUS number 3)
- Landslide Class B IV—weakly cemented rock and soil, slope angle 15-20 degrees (HAZUS number 4)
- Landslide Class B V—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: Ramsey, Hackensack, Yonkers, Park Ridge, Nyack, Paterson, Weehawken, Central Park (all with 10 foot contour interval), and Orange, Wanauque, and Slootsburg (20 foot contour interval). Slope materials were determined in the field (Stanford, 1993a, b, 1998a, b, 2000a, b).

REFERENCES CITED

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