LANDSLIDE SUSCEPTIBILITY FOR MIDDLESEX COUNTY, NEW JERSEY

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None--HAZUS number 0

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 CVI--shales and clayey soil, slope angle 10-15 degrees (HAZUS number 8)

Landslide Class CVII--shales and clayey soil, slope angle 15-20 degrees (HAZUS number 9)

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: Bound Brook*, Freehold, Hightstown, Jamesburg, Monmouth Junction, Princeton, Plainfield, and Perth Amboy (all with 20-foot contour interval), and Arthur Kill, New Brunswick, South Amboy, and Keyport (10-foot contour interval). In former sand and clay pits where the base-map topography has been altered, slope angles are estimated from aerial photography and field observations. Slope materials are from Stanford (1999).

REFERENCES CITED

National Institute of Building Sciences, 1997, HAZUS user's manual: Washington, D. C., National Institute of Building Sciences Publication 5200.

Stanford, S. D., 1999, Environmental geology of Middlesex County, New Jersey: surficial geology: N. J. Geological Survey Open File Map 27, scale 1:48,000.

SCALE 1:48000

2 1 0 2 MILES

2000 0 2000 4000 6000 8000 10,000 12,000 14,000 FEET

2 1 0 2 KILOMETERS