

## Biodiversity and Energy Online Mapping

### About the layers

Layer: Percent Forest in the Landscape

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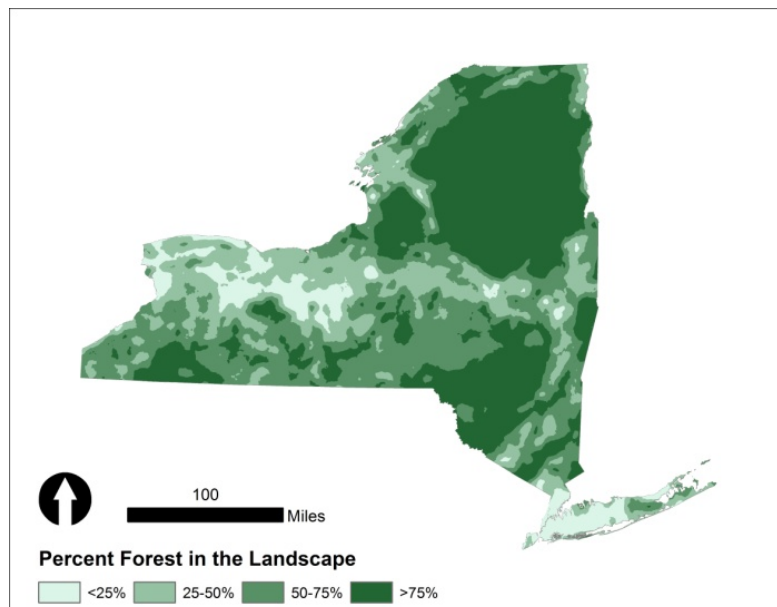
Layer developed by: The Nature Conservancy

**Short Description:** The overall goal of this layer is to broadly depict the amount of forest in the landscape. The layer is based on the 2006 version of the National Land Cover Database and depicts the amount of forested land within 300 meters of any location.

**Source:** This data layer is derived from the 2006 version of the Multi-Resolution Land Characteristics Consortium (MRLC) National Land Cover Database (NLCD), available at: <http://www.mrlc.gov/>.

### Processing Overview:

1. All the forest types were extracted from the NLCD layer (41: Deciduous Forest; 42: Evergreen forest; 43: Mixed Forest) and a new layer was created coded as forest/non-forest (1/0).
2. With the new layer, we completed a neighborhood analysis in ArcGIS (tool: Focal Statistics) using a 300 meter radius and statistics type = MEAN. The VALUE for each 30m cell represents the proportion of forest in the neighborhood, based on the NLCD classification.
3. This layer was then clipped to New York State. The data are depicted in four simple groups: <25% forested in the neighborhood, 25-50% forested in the neighborhood, 50-75% forested in the neighborhood, and > 75% forested in the neighborhood.



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