2020 Forest Assessment Maps and Analysis

An Update



Forest Issues

- Fragmentation
- Soil & Water
- Invasive Species
- Biodiversity
- Recreation
- Wood Products

Procedures

 Base Forest Cover layer from 2017 National Agricultural Statistics Survey (NASS)





- Removed pixels 15 m from highways
- USDA Cost Share boundaries were removed in 2010 but the data is no longer available
- Other state and federal data inputs as needed



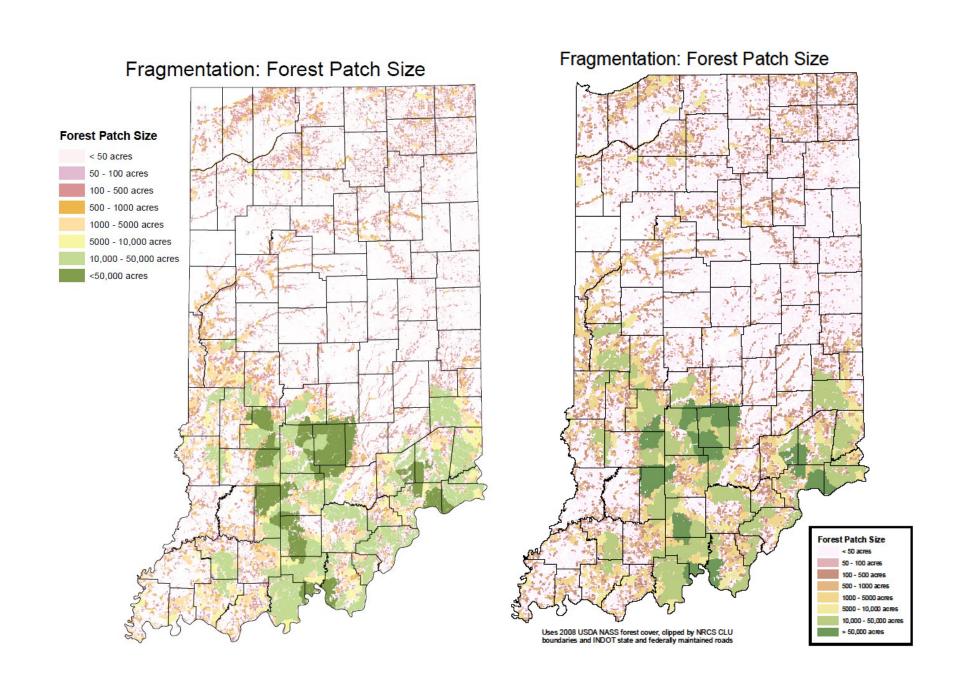


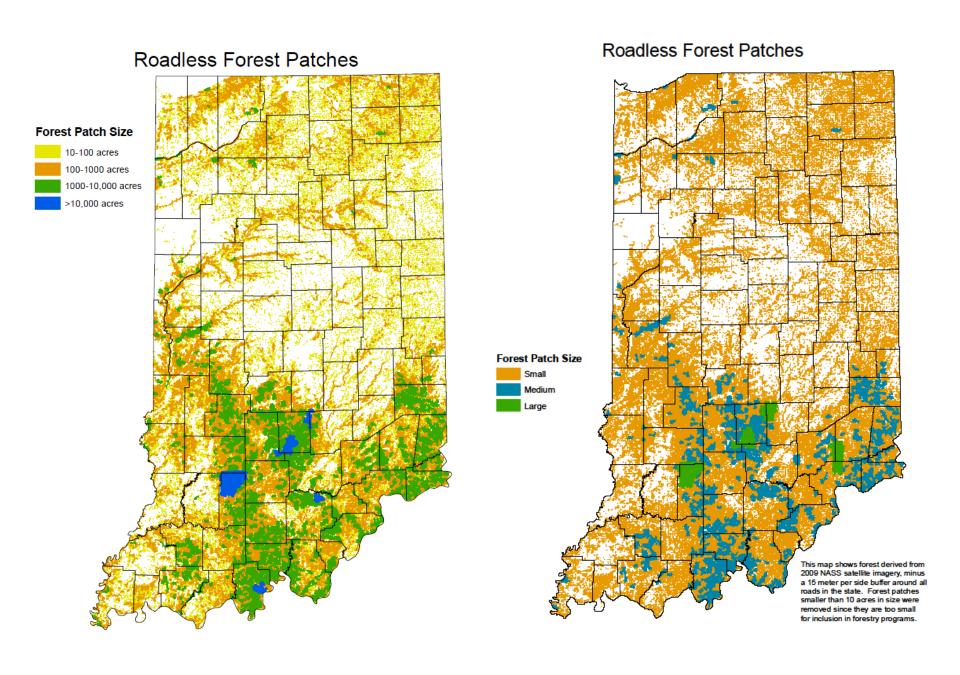




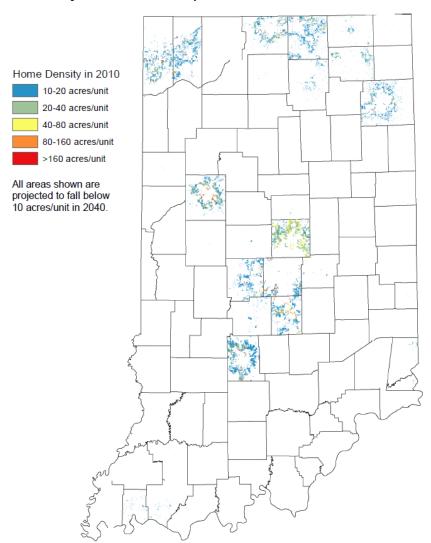
Fragmentation Components

- Forest Patch Size
- Roadless Forest Patches
- Projected Development
- Percent Forest Cover (1 km radius)
- Percent Forest Cover (10 km radius)

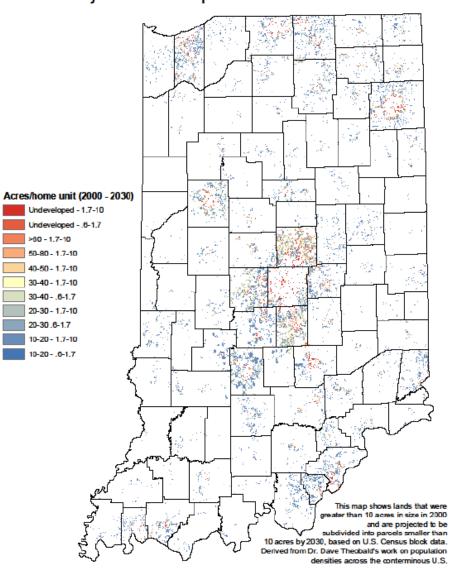


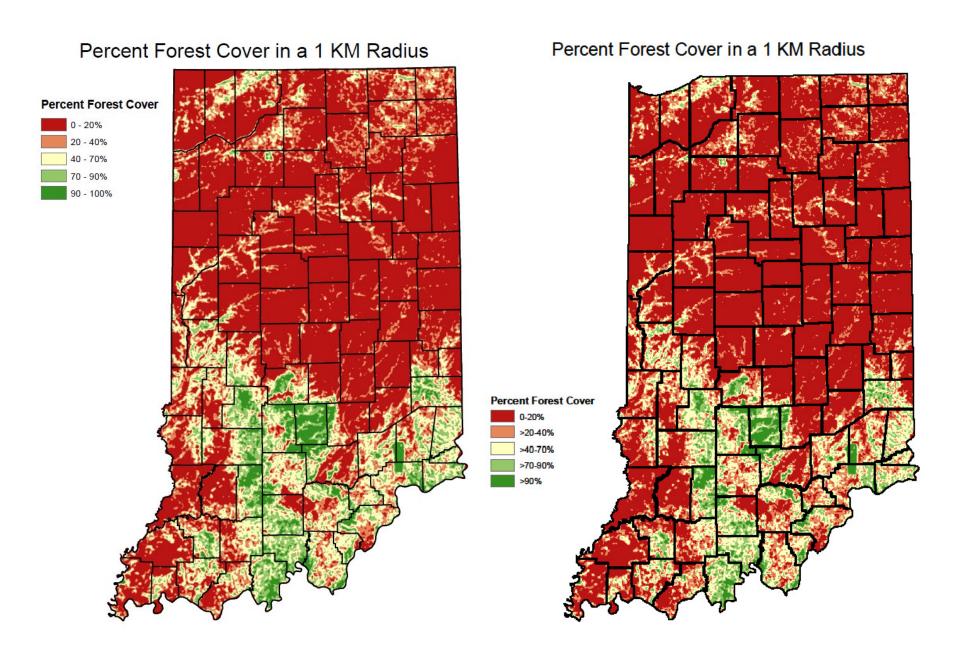


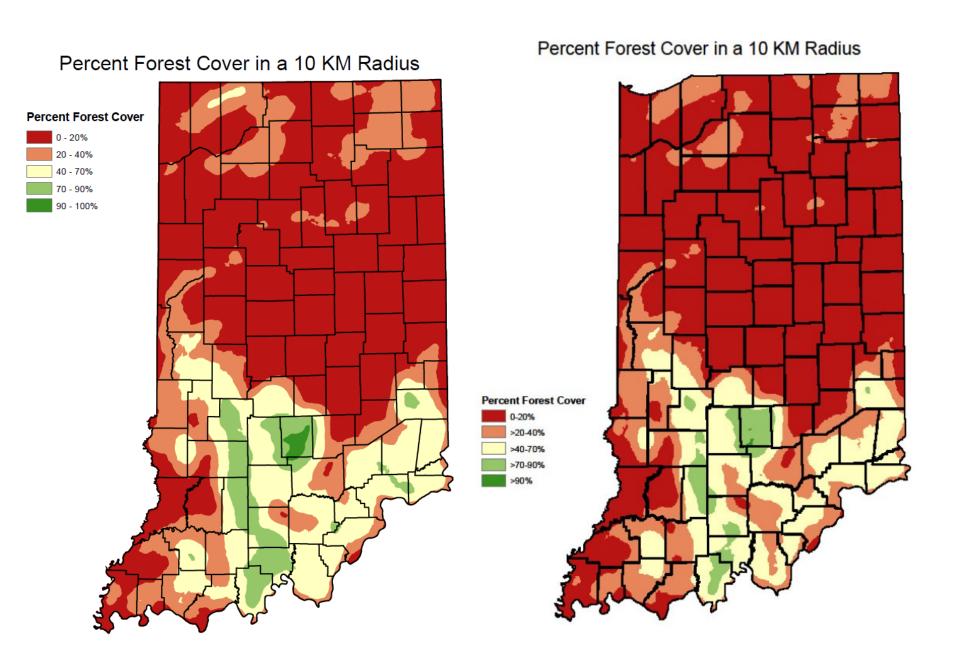
Projected Development Patterns to 2040

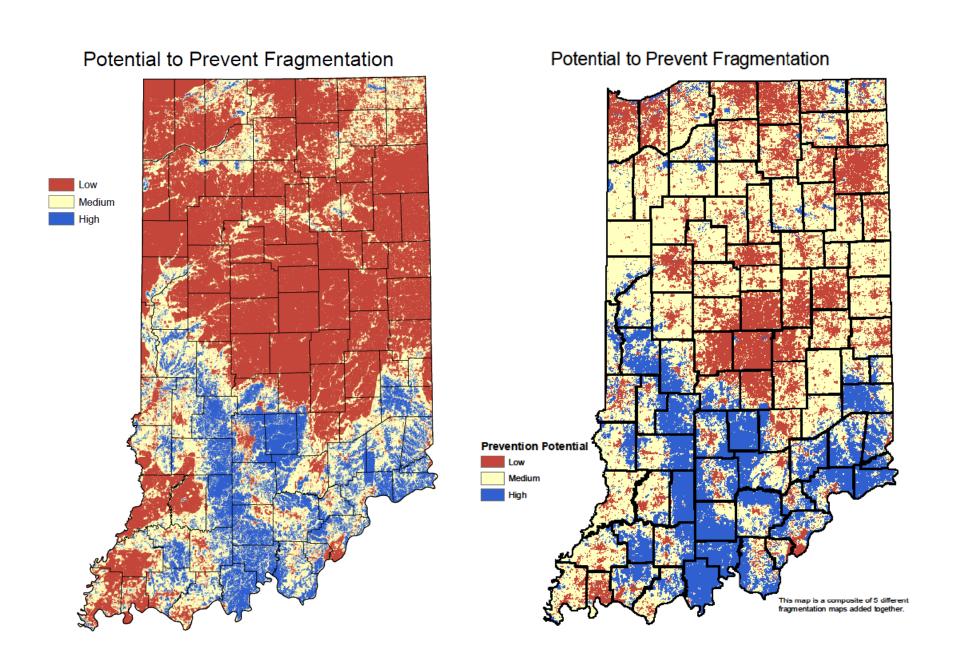


Projected Development Patterns to 2030



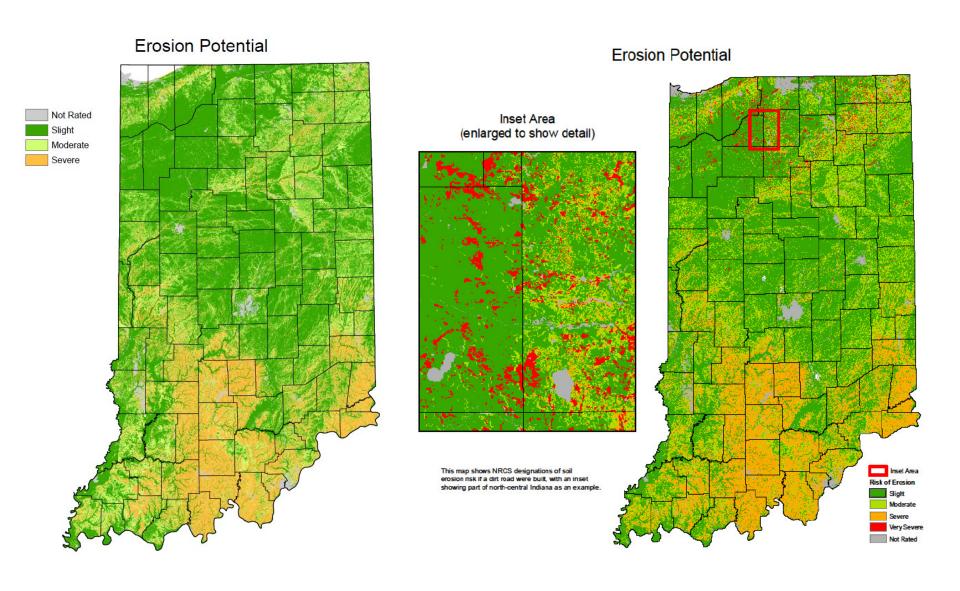






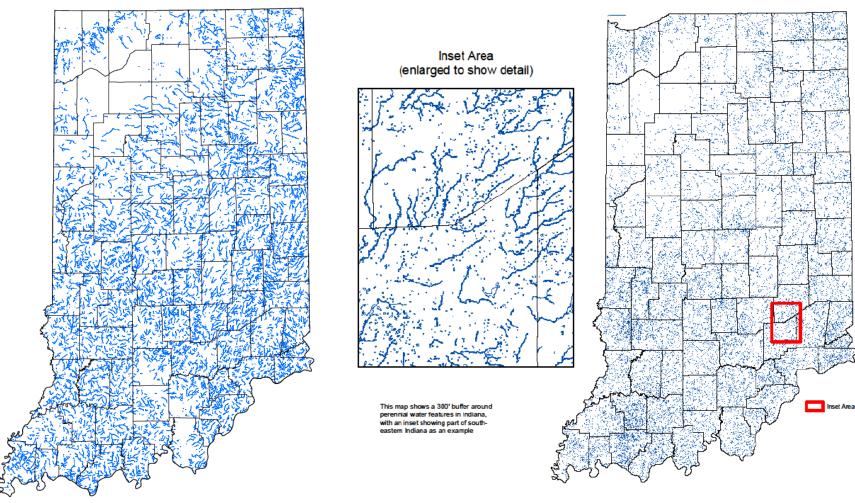
Soil & Water Components

- Erosion Potential
- Perennial Water Features
- Public Water Supply Areas
- Karst Features
- Stream Impairment
- Percent Forest by Watershed
- Forested Riparian Areas
- Impervious Surfaces
- Targeted Slope Percentages

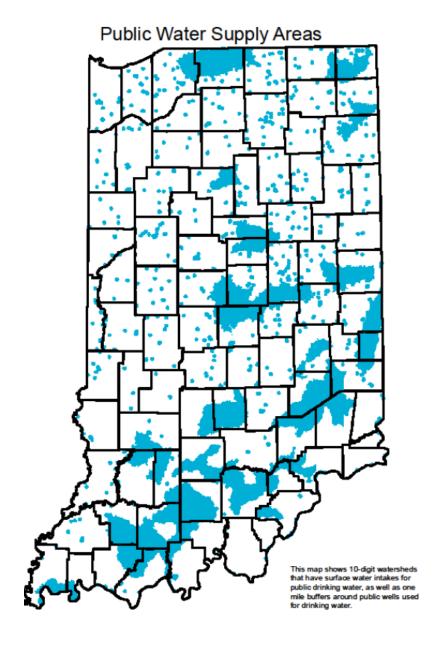


Buffer of Perennial Water Features

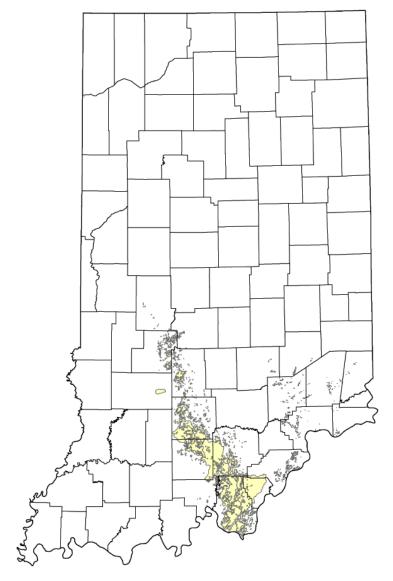
Buffer of Perennial Water Features

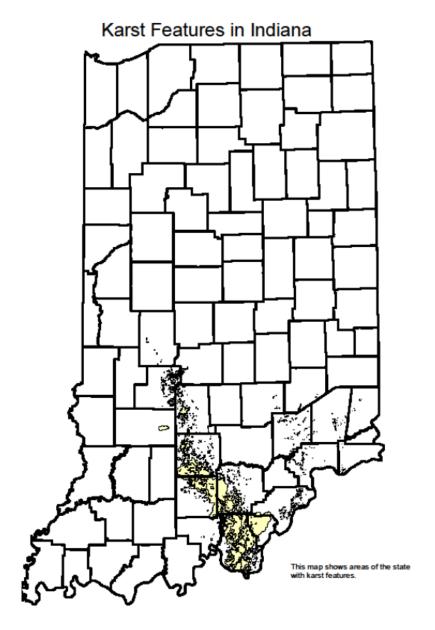


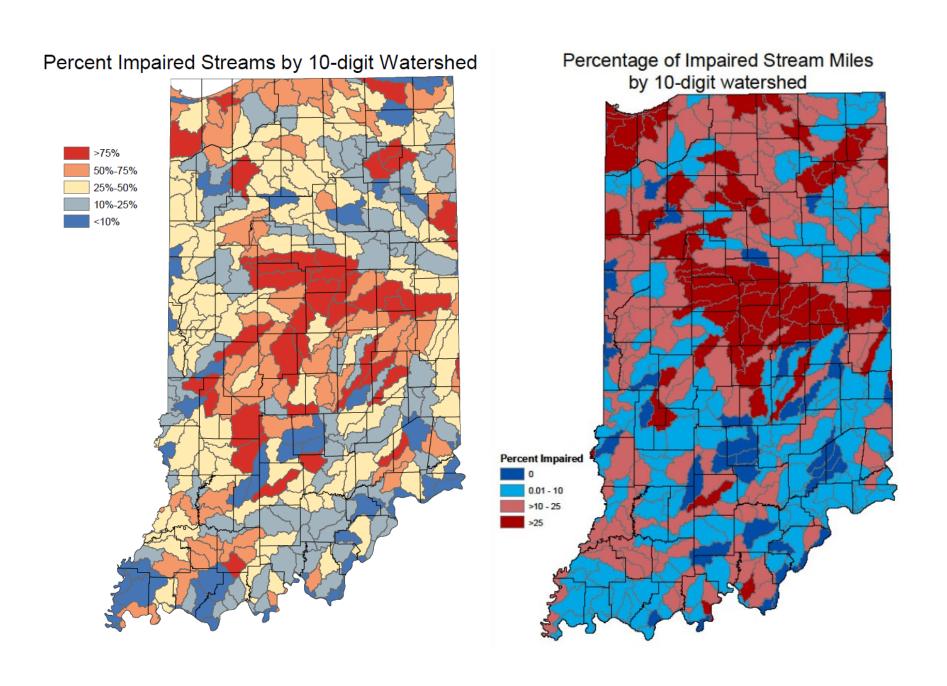
Public Water Supply Areas

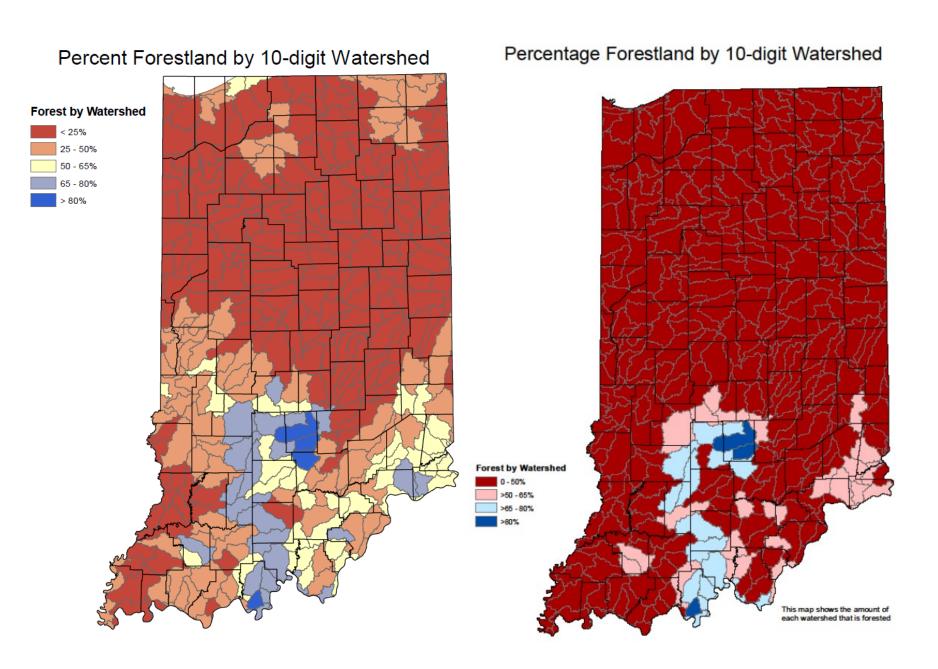


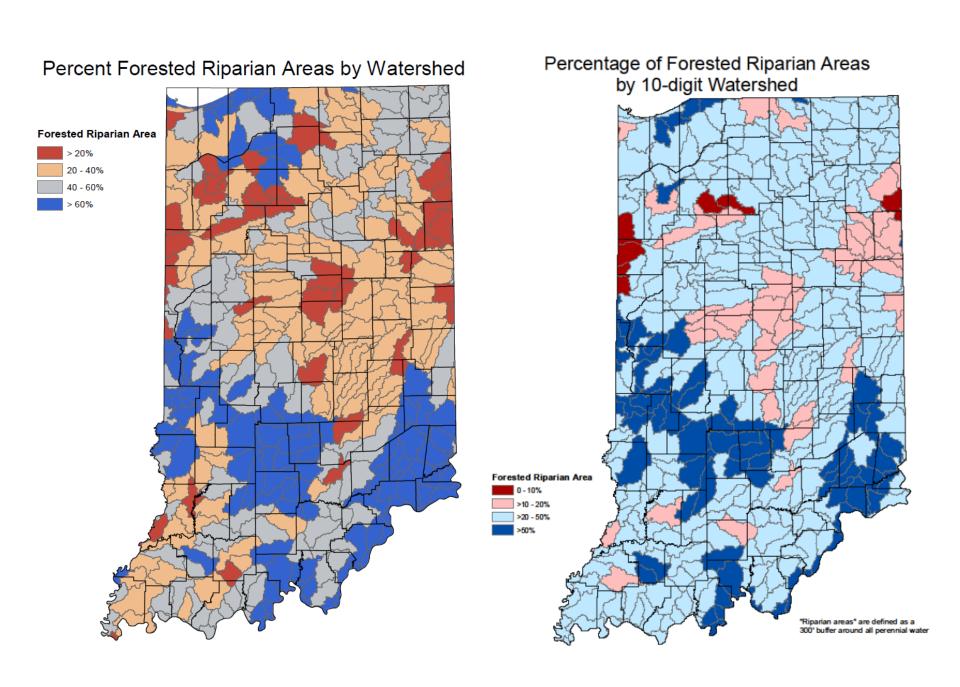
Karst Features in Indiana





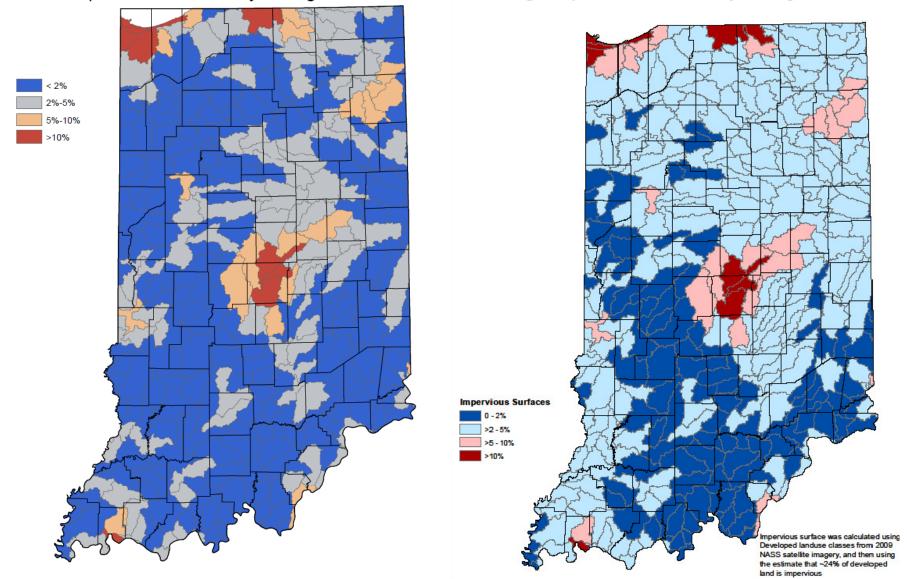




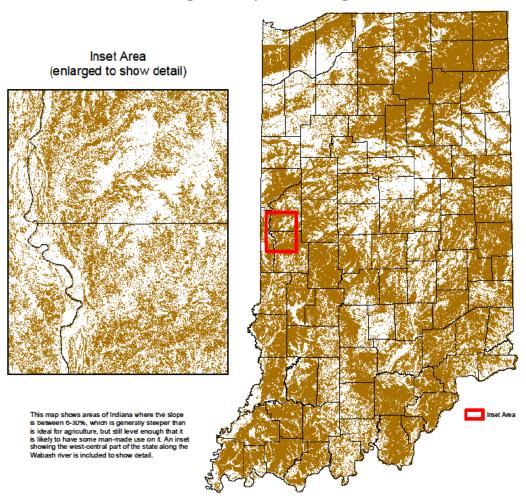


Percent Impervious Surface by 10-digit Watershed

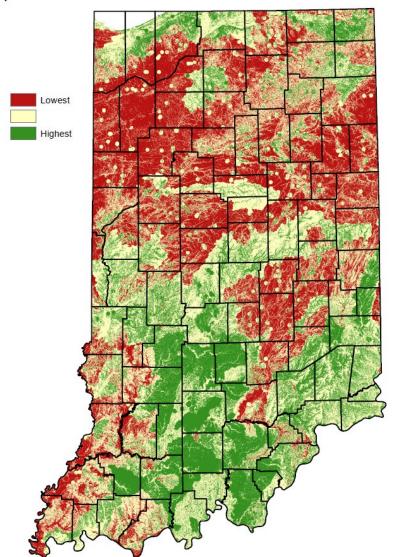
Percentage Impervious Surface by 10-digit Watershed



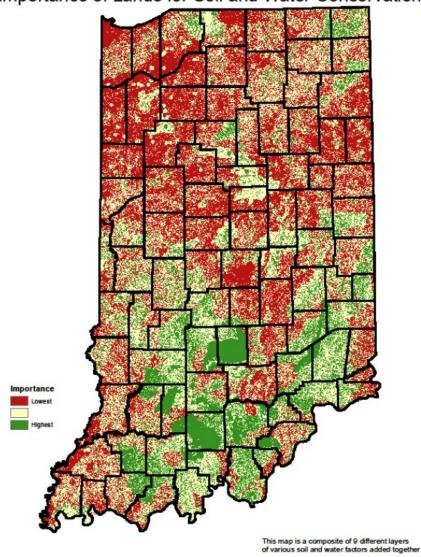
Targeted Slope Percentages



Importance of Lands for Soil and Water Conservation

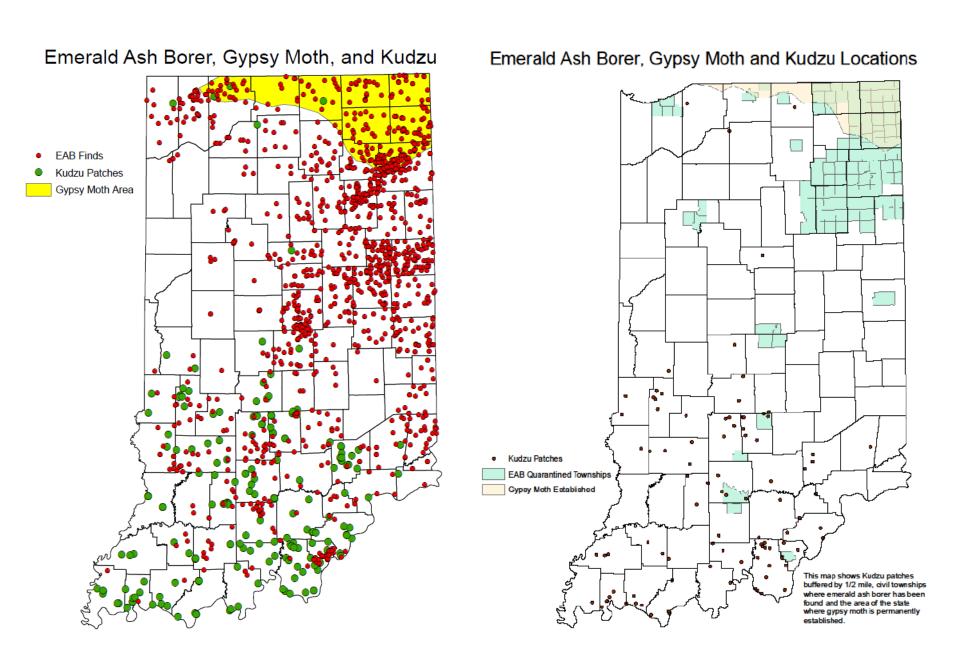






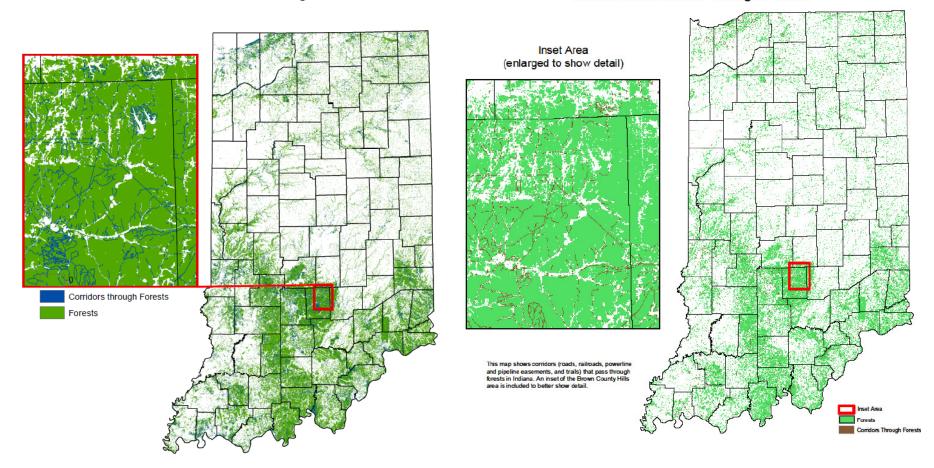
Invasive Species Components

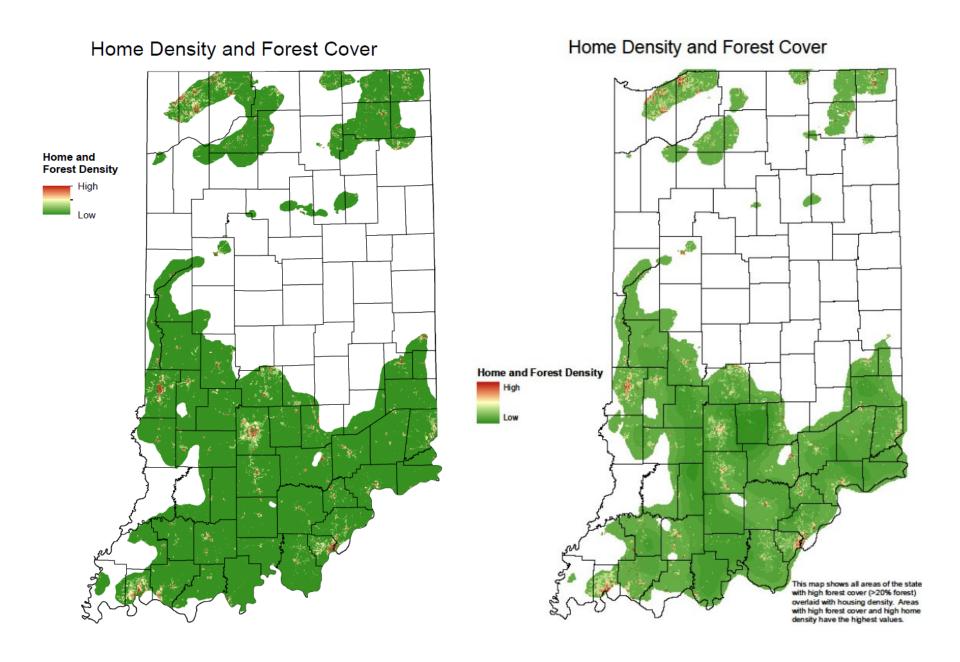
- Emerald Ash Borer (EAB)
- Gypsy Moth
- Kudzu
- Forest Corridors
- Home Density

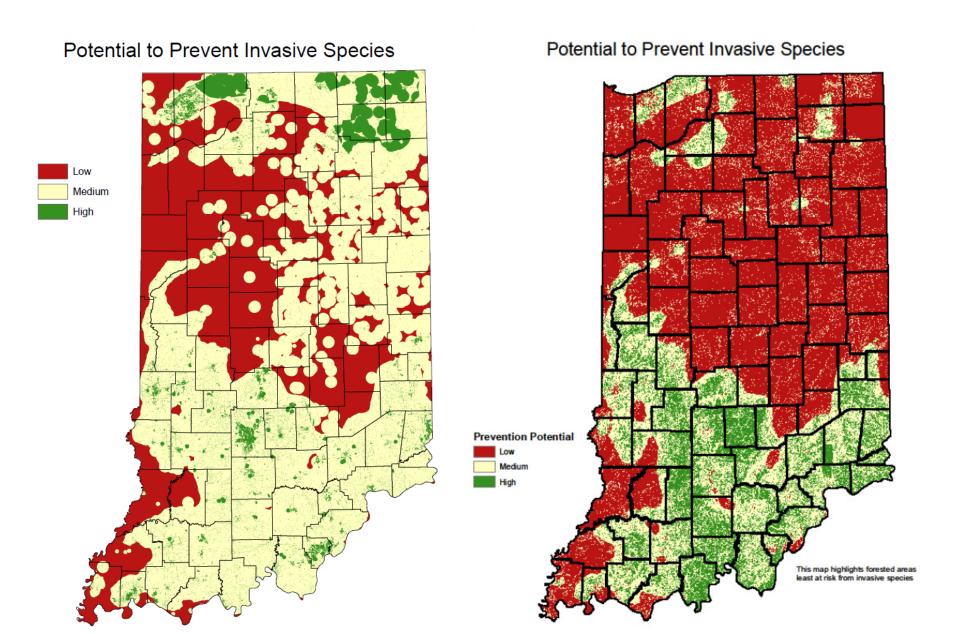


Maintained Corridors through Forests

Maintained Corridors Through Forests



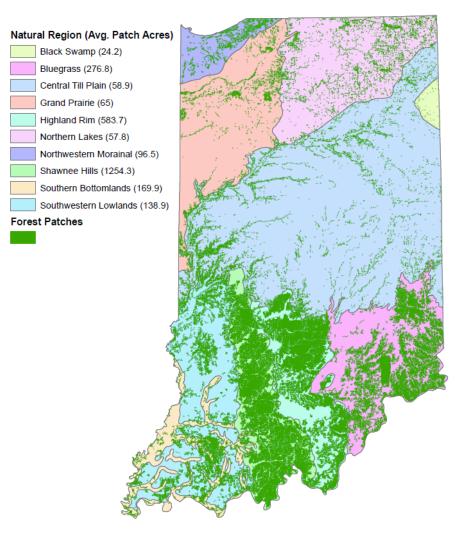




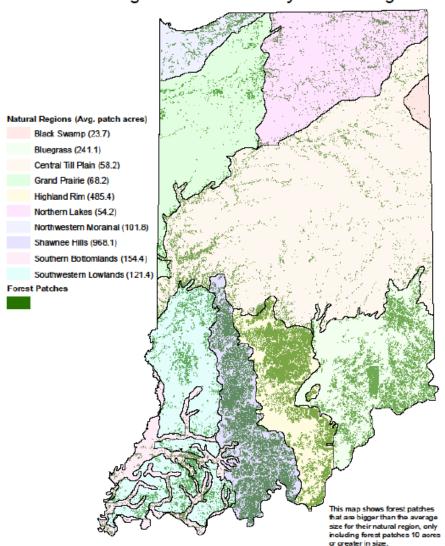
Biodiversity Components

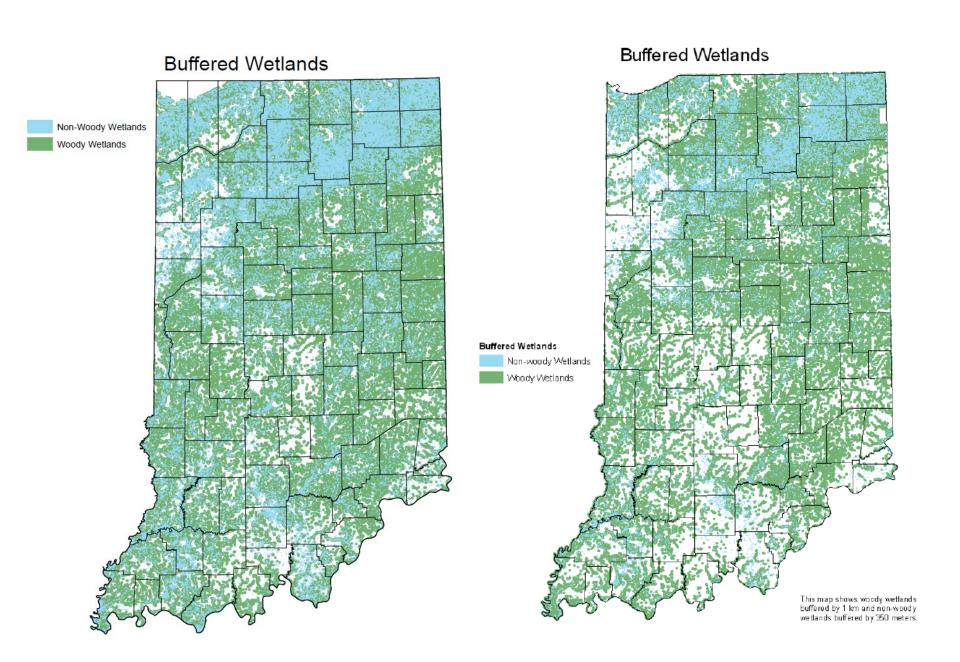
- Above Average Forest Patches by Natural Region
- Buffered Wetlands
- Rare Forest Communities
- Large Forest Patches in Areas of Low Forest Cover

Above Average Forest Patches by Natural Region

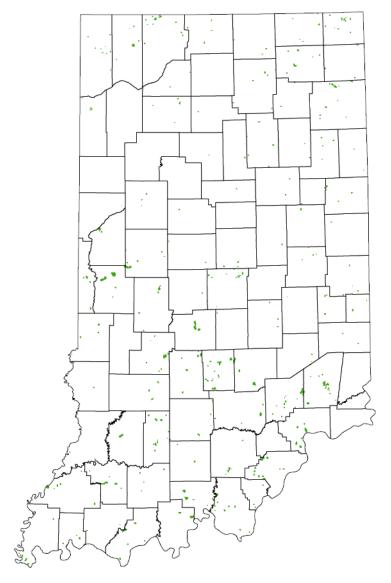


Above Average Forest Patches by Natural Region

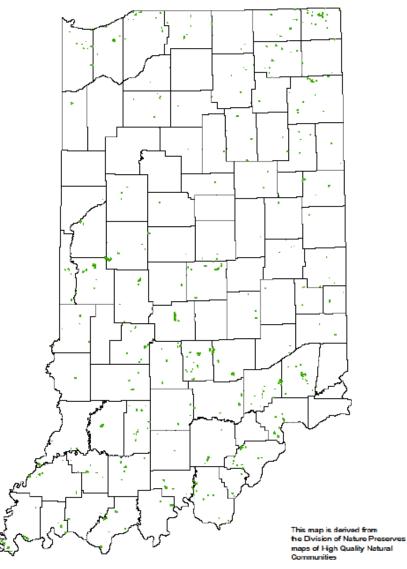




Rare Forest Communities

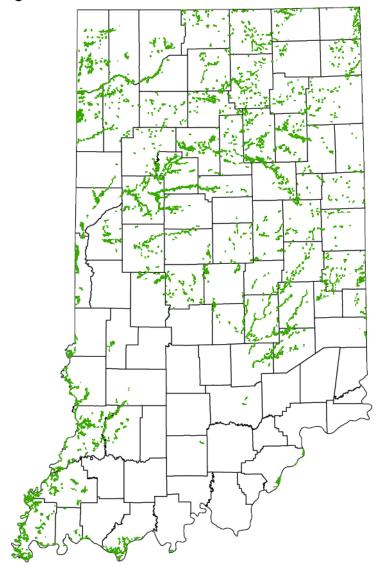


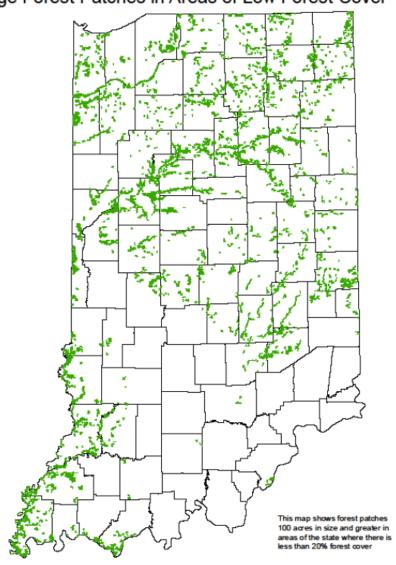
Rare Forest Communities

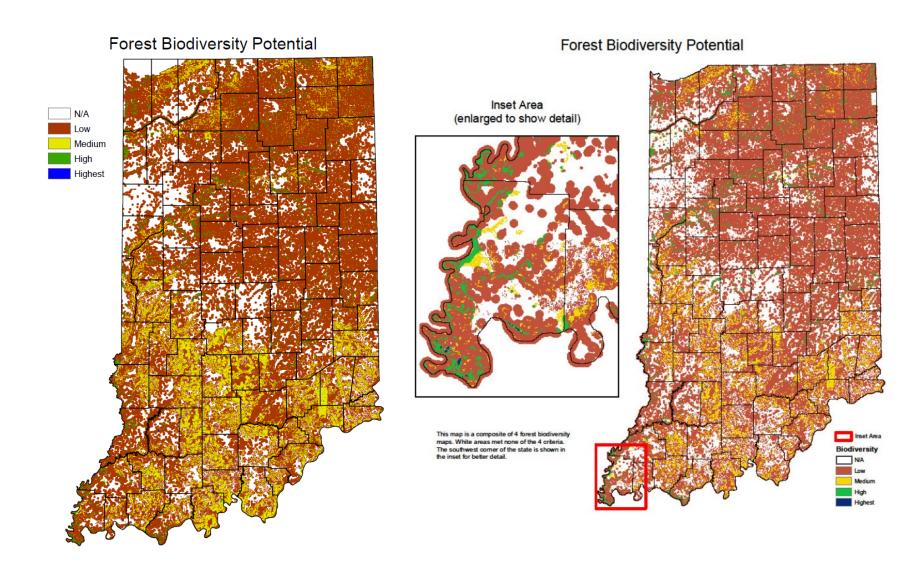


Large Forest Patches in Areas of Low Forest Cover

Large Forest Patches in Areas of Low Forest Cover

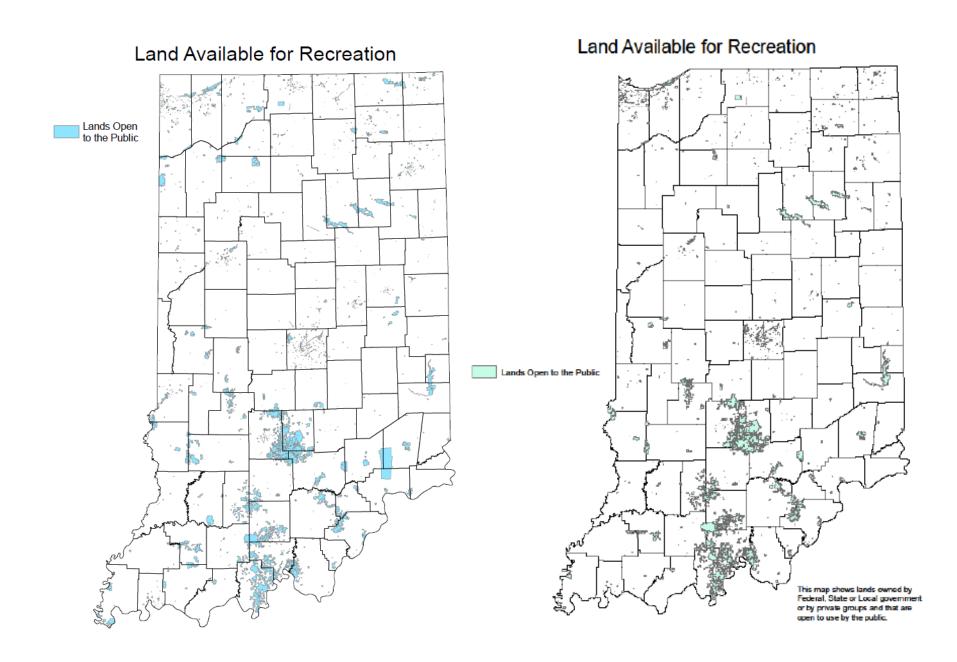






Recreation Components

Land Available for Recreation

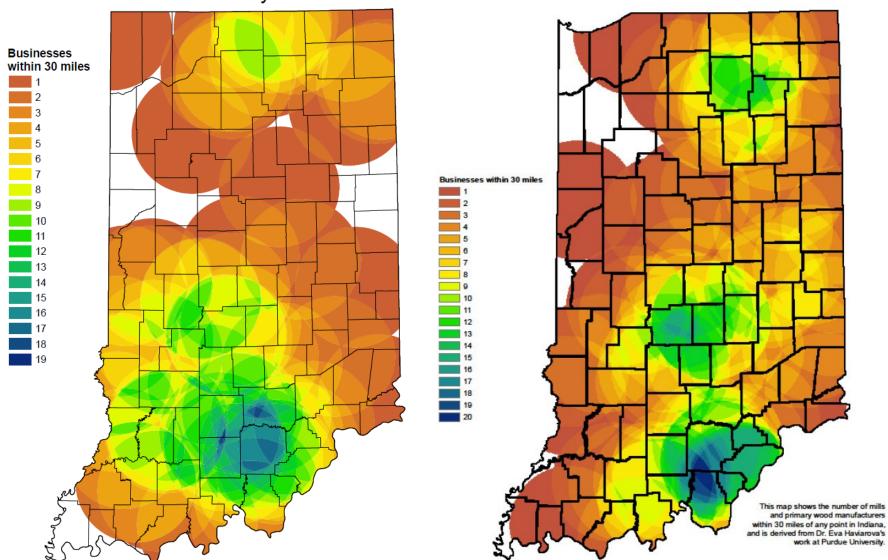


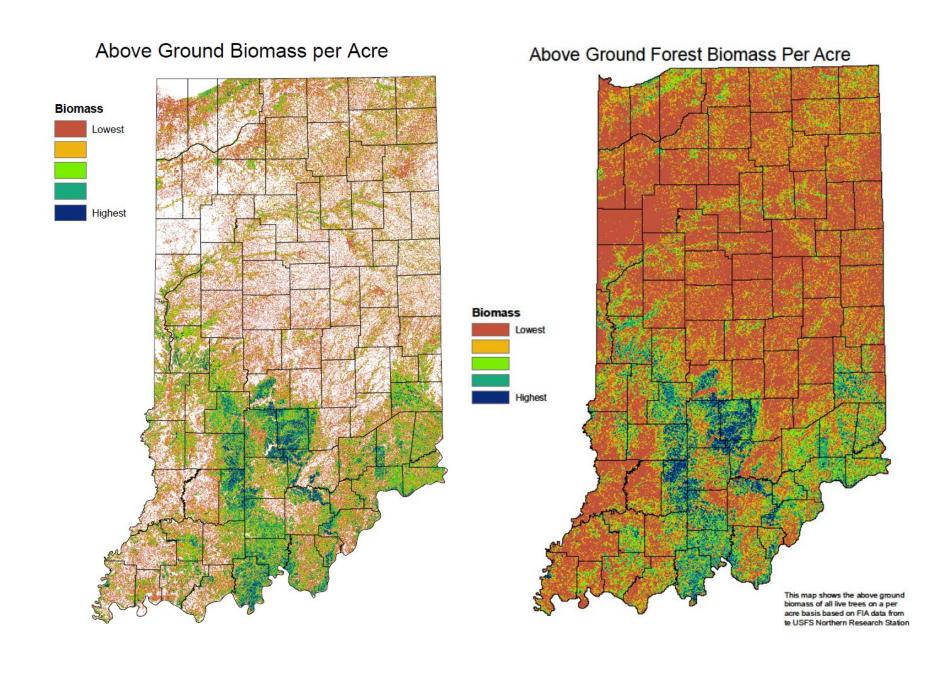
Wood Products Components

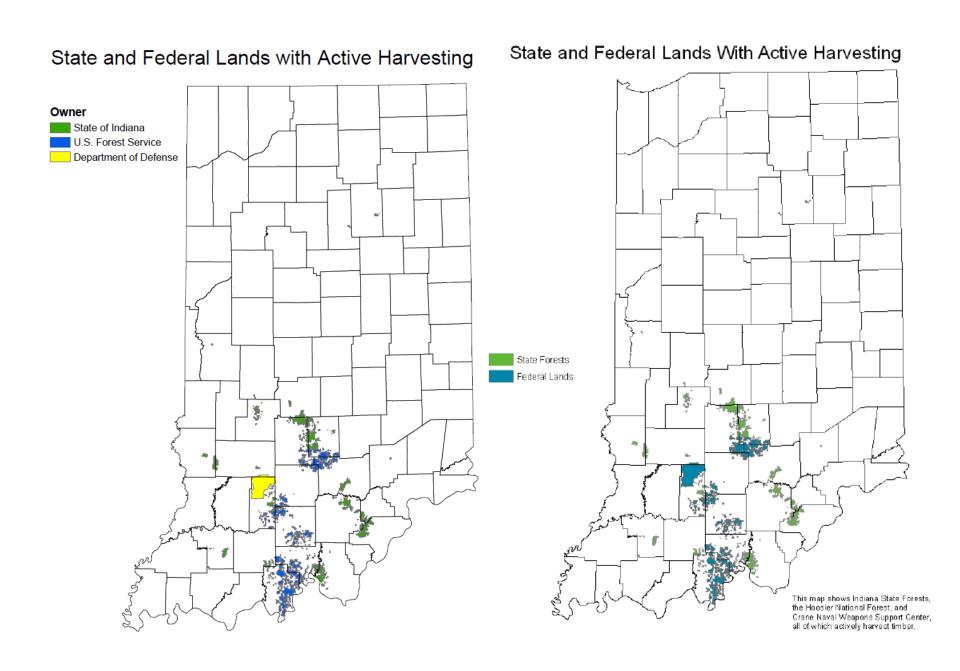
- Access to Mills and Primary Manufacturers
- Above Ground Forest Biomass per Acre
- State and Federal Lands with Active Harvesting
- Classified Forest and Wildlands

Access to Mills and Primary Manufacturers

Access to Mills and Primary Manufacturers



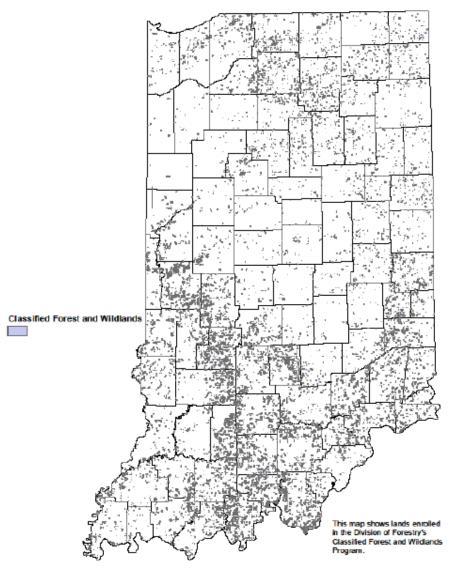


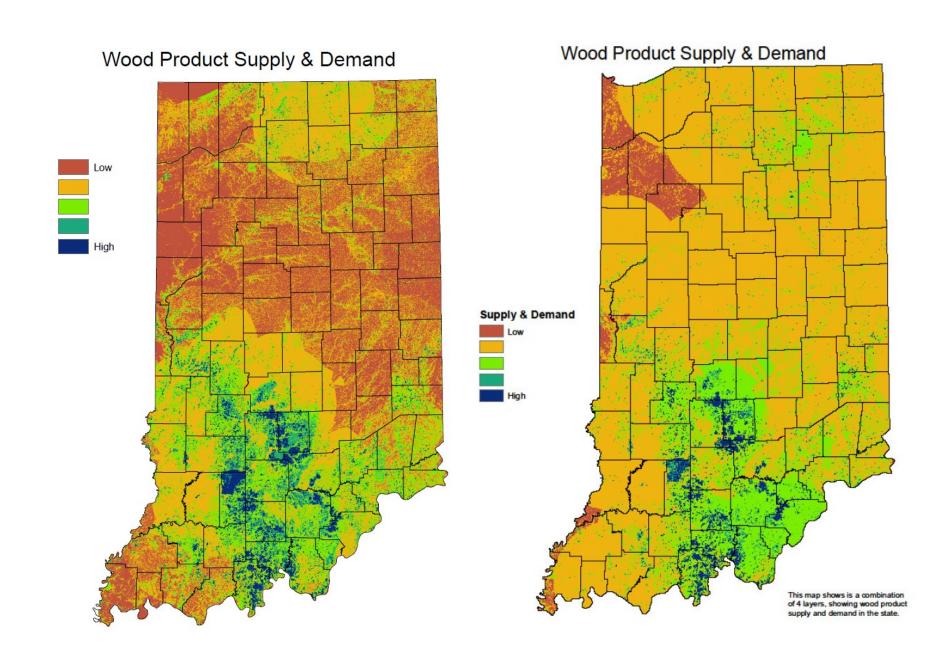


Classified Forest and Wildlands



Classified Forest and Wildlands





2010 Composite

From June 2009 survey:

24% Fragmentation

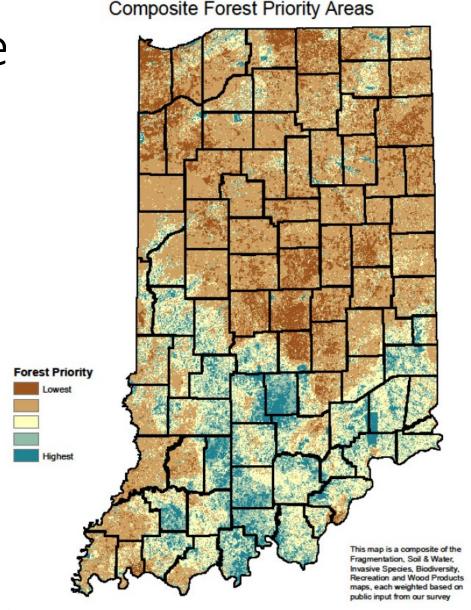
20.1% Soil & Water

19.9% Invasives

17.2% Biodiversity

11.1% Recreation

7.6% Wood Products



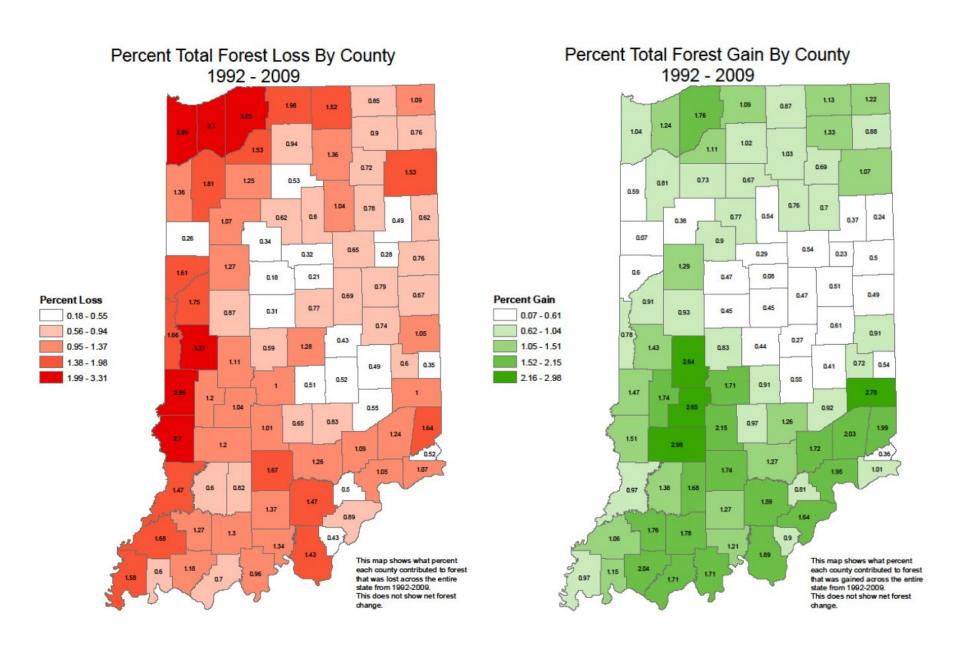
Urban Areas Criteria

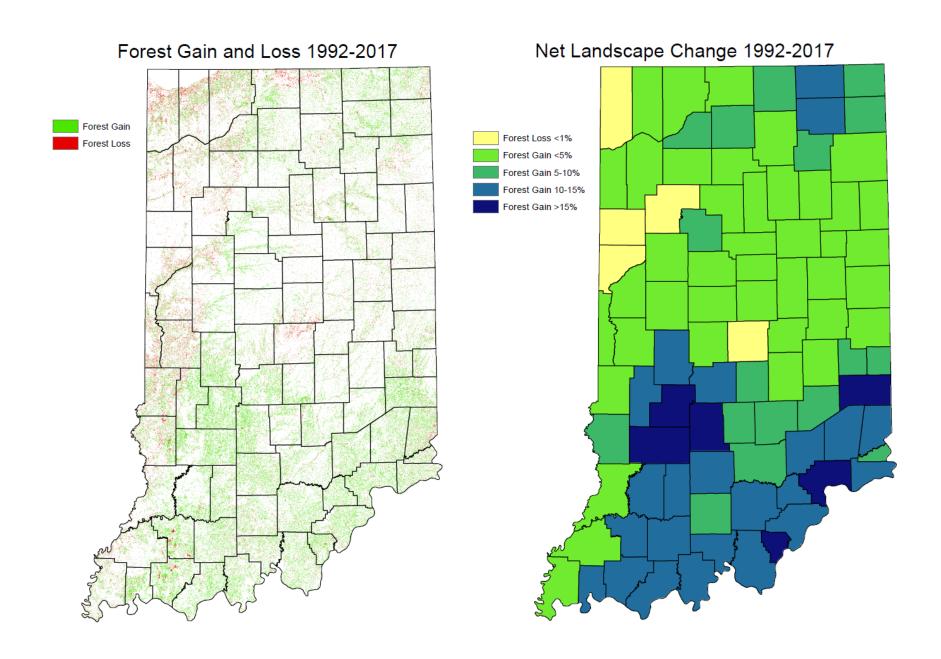
- Greater-than-average area (2145 acres)
- Greater-than-average population (6500 people)
- Greater-than-average impervious surface (59%)
- Less-than-average tree canopy cover (14.4%)

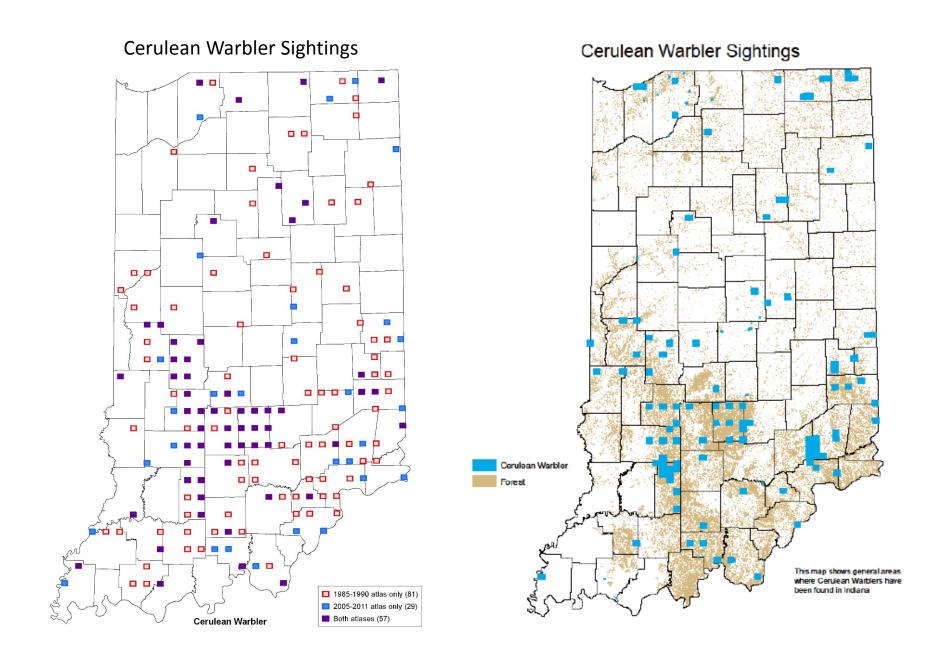
Urban Forest Cover & Impervious Surfaces Urban Areas and Tree Cover Criteria Low Forest Cover High Impervious Surface Both of the Above

Maps not used for Compositing

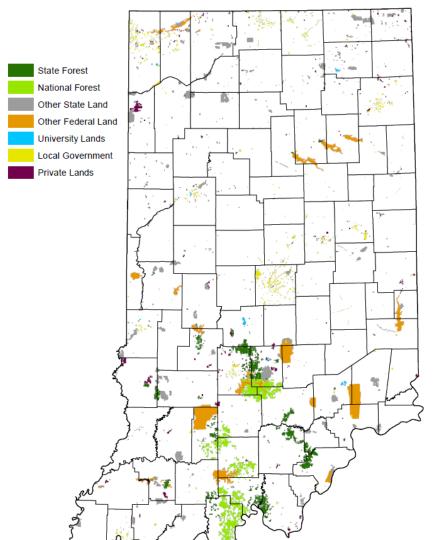
- Lands with limitations on conversion
- Percent of households with a person > 65 years
- Deer Collisions
- Urban Areas and Tree Cover



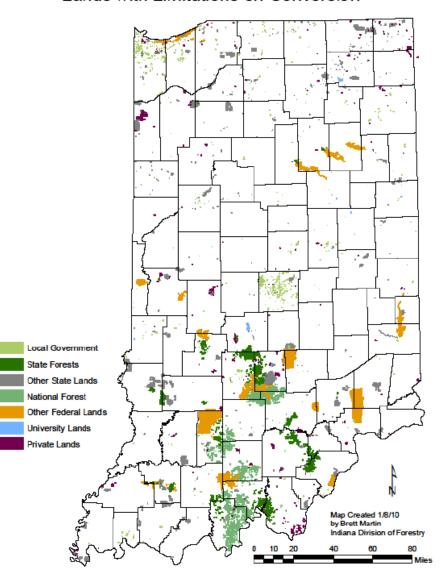




Lands with Limitiations on Conversion

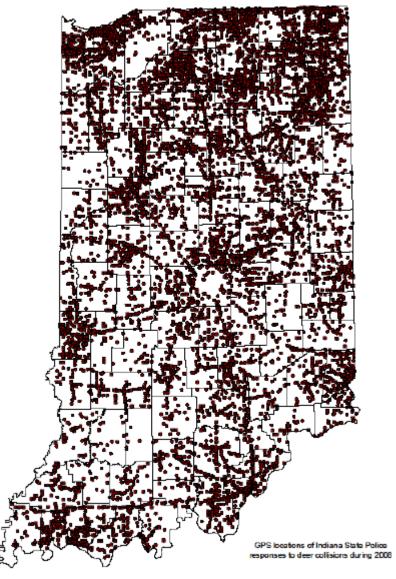


Lands with Limitations on Conversion

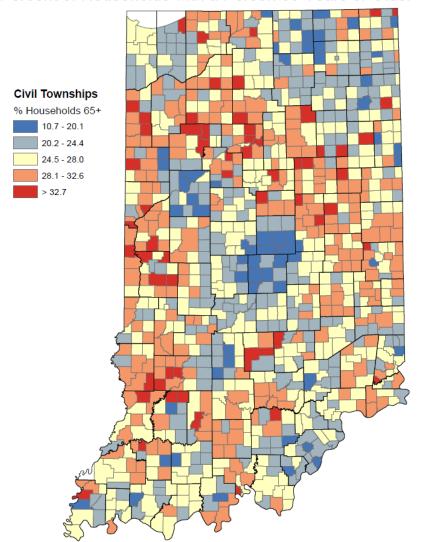


Deer Collisions in 2017

Deer Collisions in 2008



Percent of Households with a Person 65 Years or Older



Percent of Households with a Person 65 Years or Older

