



North Carolina Forest Resource Assessment

PAST
PRESENT
FUTURE



Focused on Three Themes

- 1) Conserve Working Forests
- 2) Protect Forests from Harm
- 3) Enhance Public Benefit from
Trees and Forests



Conserve Working Forests

- 1) North Carolina's Forests 2007
- 2) Declining Forest Types
- 3) Family & Minority Forests Ownership
- 4) Population Growth & Land Use Change Impacts on Forest Resources
- 5) Forest Management Practices for Forestry & Wildlife Management in North Carolina
- 6) Emerging Markets in Ecosystem Services



Protect Forests from Harm

- 1) Insects, Diseases, and Non-Native Invasive Plant Threats to Forest Health
- 2) Fire and North Carolina's Forests
- 3) Climate, Atmosphere, and Natural Disasters



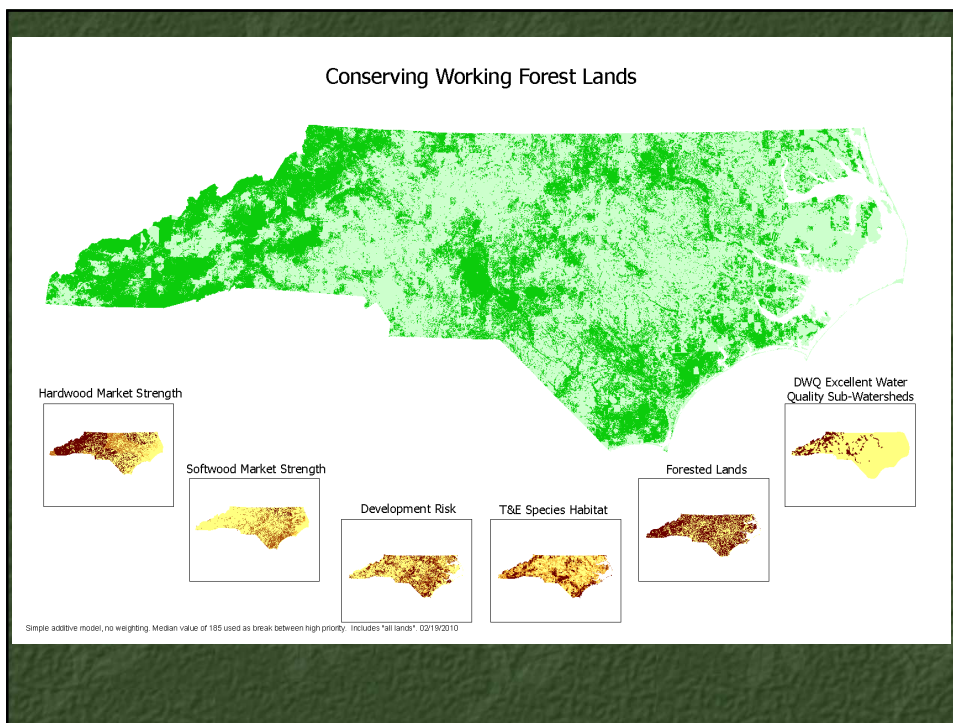
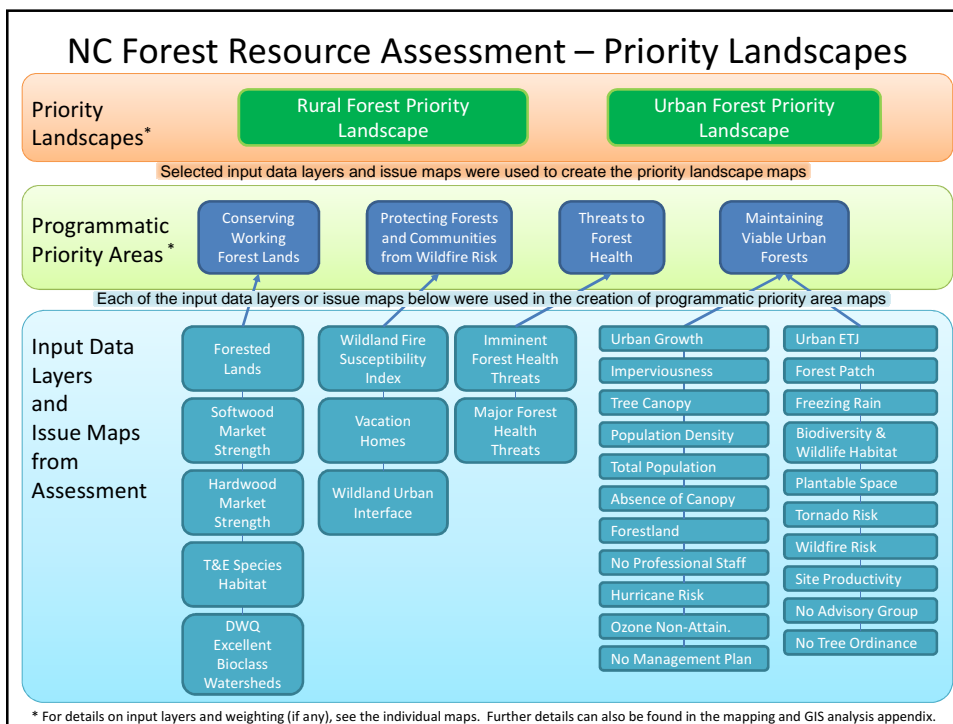
Enhance Public Benefit from Trees and Forests

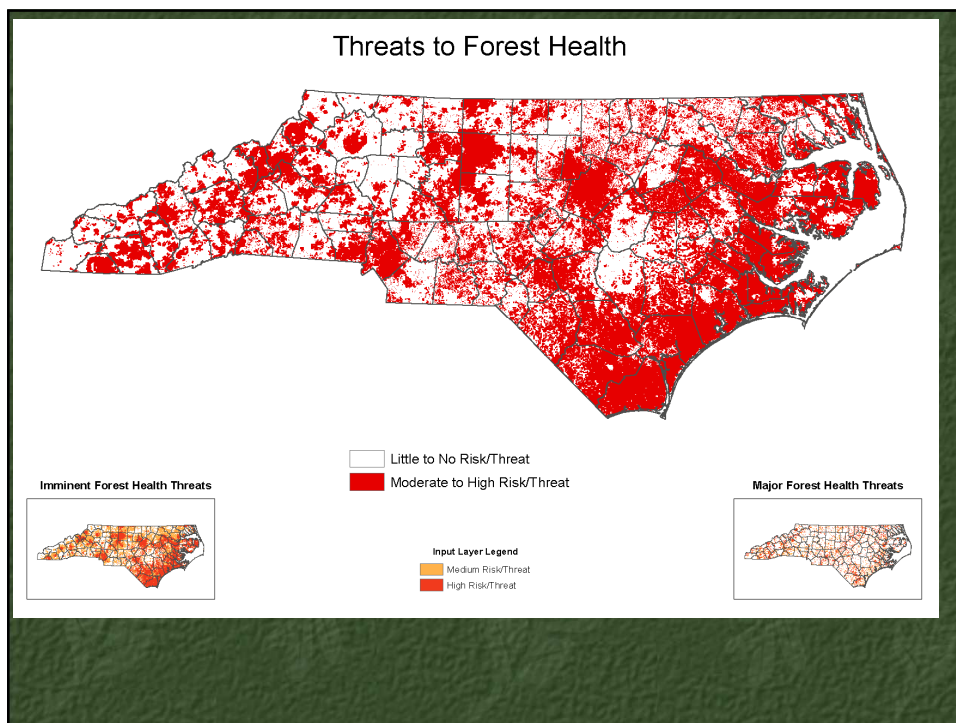
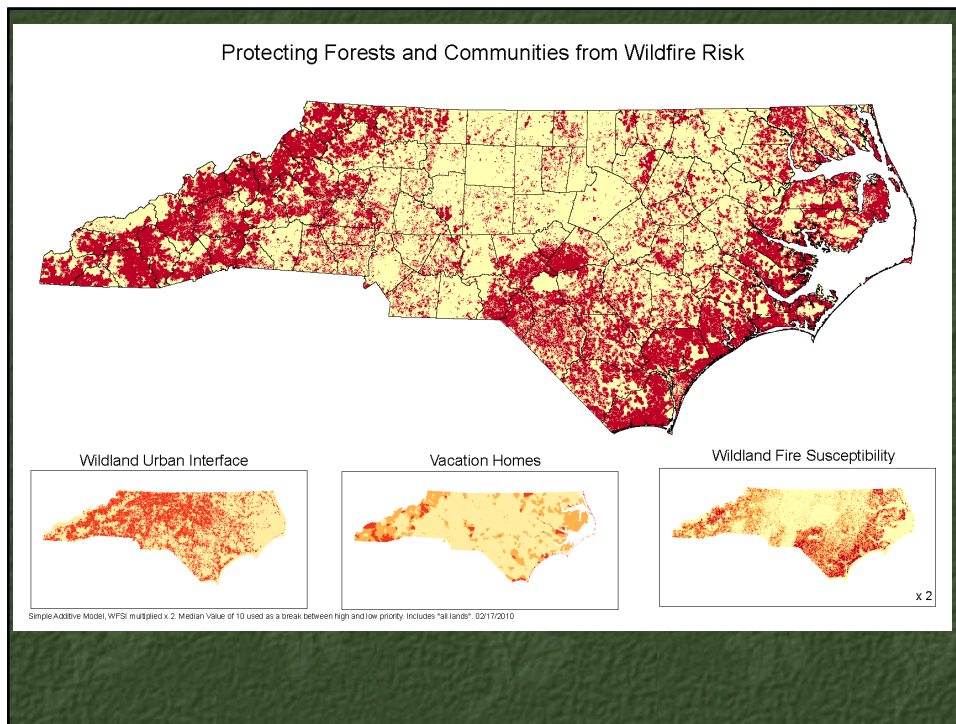
- 1) Forestry Employment**
- 2) Timberland Property Values**
- 3) Timber Stumpage Values**
- 4) Primary Wood-Using Industry**
- 5) Non-Timber Forest Products**
- 6) Water Quality and Quantity**
- 7) Forest Wildlife Habitat**
- 8) Bio-energy in North Carolina**
- 9) Recreation Resources**
- 10) Heritage Resources**
- 11) Maintaining Viable Urban Forests**



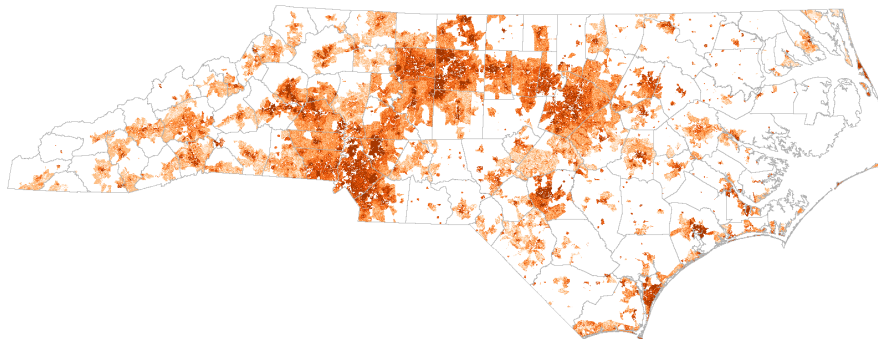
Six Priority Maps were developed to:

- 1) Tell the Story of Forests in NC**
- 2) Educate and Inform**
- 3) Build Constituencies to Effect
Positive Change**

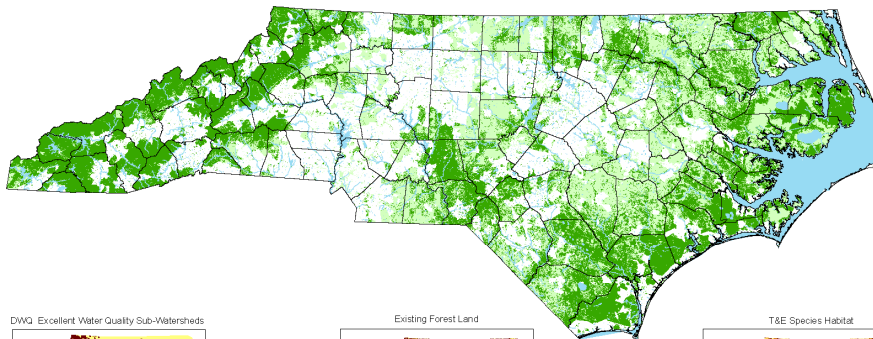




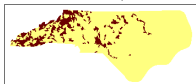
Maintaining Viable Urban Forests



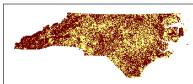
Rural Forest Priority Landscape



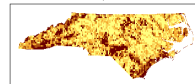
DWQ: Excellent Water Quality Sub-Watersheds



Existing Forest Land



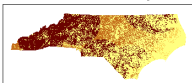
T&E Species Habitat



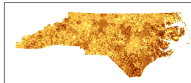
Softwood Market Strength



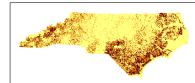
Hardwood Market Strength

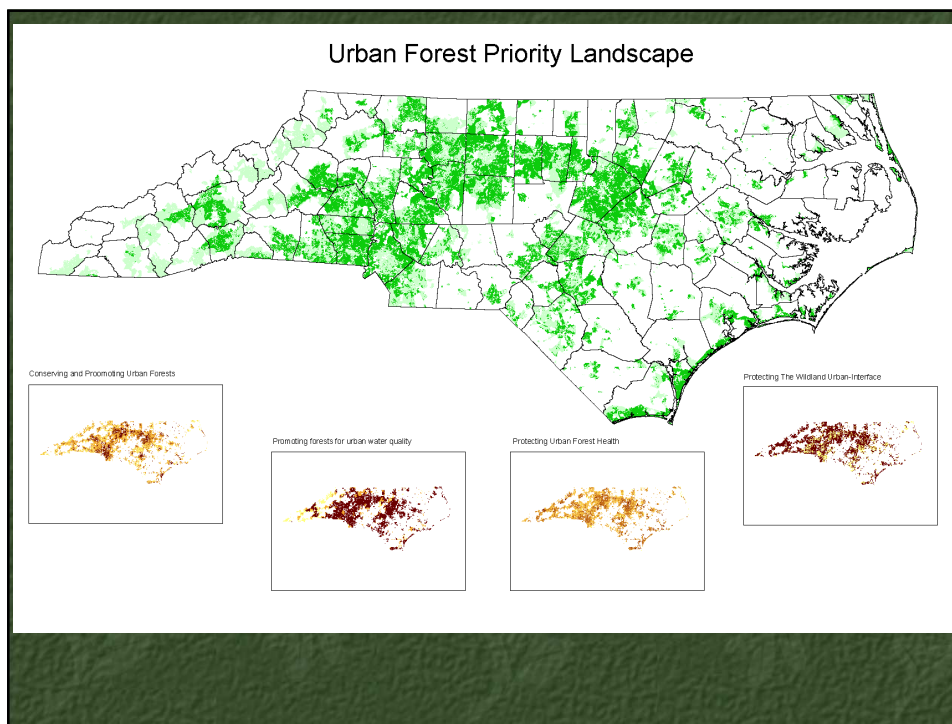


Forest Health



Wildland Fire Susceptibility





Population Growth & Land Use Change Impacts on Forest Resources - Key Findings

- NC is one of the fastest growing states in the South with approximately 70% classified as urban.
- By 2030, NC's population is expected to increase by more than 50% from 2000, adding approximately 4 million people.
- 1.1 Million acres of NC forestland was lost to land use change between 1987 and 2007.



Population Growth & Land Use Change Impacts on Forest Resources - Key Findings

- Developed land has grown by 1.86 million acres between 1987 and 2007. The majority of land use change occurred in the Piedmont (77%) compared to the Coastal Plain (52%) and the Mountain (44%) regions.
- If current population growth, development, and land use trends continue, NC may lose approximately 900,000 acres of forestland and 1.1 million acres of cropland by 2027



Goals, Objectives and Strategies

Goal 1: Increase the sustainable management and conservation of forest lands in NC. (4,12)

Goal 2: Reduce negative impacts from forest threats. (3,17)

Goal 3: Increase the restoration, maintenance, and management of fire adapted species and ecosystems. (3,12)

Goal 4: Maintain or increase the viability and sustainability of existing and emerging markets. (4,8)

Goal 5: Increase fish and wildlife habitat on North Carolina's forests. (4,12)

Goal 6: Manage, conserve, restore, and enhance forestlands important to current and future supplies of clean water for economic, social, and ecological uses. (4,8)

Goal 7: Enhance the benefits and sustainable management of urban forests. (4,10)

TOTAL (26,90)



Objectives: Population Growth & Land Use Change Impacts

Objective 1.3: Assess and re-define services provided to forest landowners to efficiently and effectively meet their diverse management objectives.

Objective 1.4: Strengthen and support an urban-focused initiative that meets ownership objectives for urban-rural interface landowners and communities.



Objectives Population Growth & Land Use Change Impacts

Objective 2.3: Identify impacts and develop long-term approaches that minimize negative influences to forest caused by climate change, air quality, and weather events.

Objective 4.3: Advocate and promote markets for forest derived ecosystem services, non-timber products, and ecotourism.

Objective 7.1: Reduce the impacts of land-use change and urbanization on forested landscapes in and around urban areas.



The Assessment and Strategies Can be Viewed Online:

<http://www.ces.ncsu.edu/nreos/forest/feop/SFA/>



Questions