

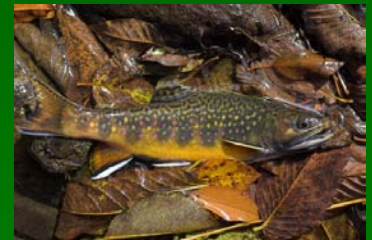
# North Atlantic LCC

## Review of Projects

- FY 10 Projects (review, status, next steps)
- FY 11 Science Needs Assessment Results, Workshop Results & Strategic Plan
- FY 11 project approval and funding options
- Recommendation on balance of funds
- Further articulation of needs for next year

# Initial North Atlantic LCC Projects

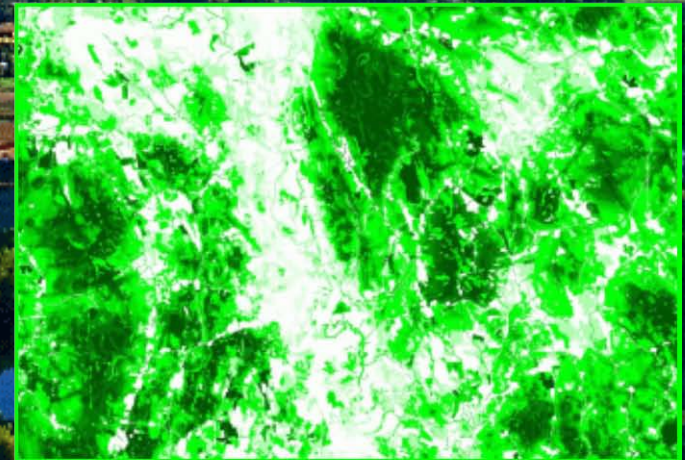
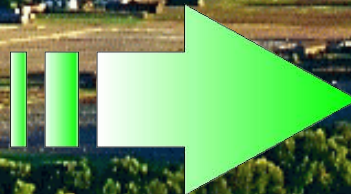
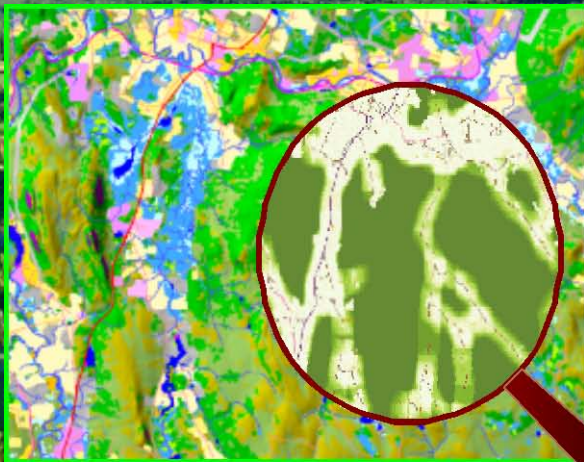
- Regional Climate Change Vulnerability Assessments – Habitat and Species
- Landscape Change & Decision Support Tools
  - Coastal
    - Sea level rise, beaches and piping plovers
  - Aquatic
    - Stream flow, temperature, and brook trout
  - Terrestrial
    - Species/habitat
    - Ecological integrity
    - Connectivity





# Designing Sustainable Landscapes for Wildlife

## Decision-Support Tools for Conservation





**Objective** is to enhance the ability of programs and partners to make informed conservation decisions for sustaining biodiversity at the landscape scale under current and **predicted future conditions.**

- Protect, manage & restore habitat in the right places



- Design landscapes to ensure connectivity



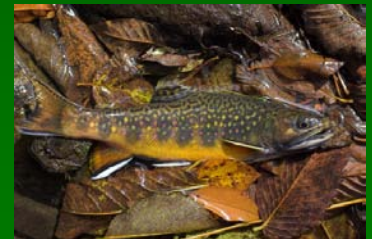
- Minimize forces of habitat degradation



# Initial North Atlantic LCC Projects

## Next Steps

- Webinars
  - Nov. Conservation Framework
  - Dec. SLR, Beaches & Plovers
  - Jan. Regional Vulnerability
  - Feb. Designing Sustainable Landscapes
  - Mar. Stream Flow, Temp. Brook Trout
- Advisory Committees
- User/manager groups
- Consideration of next phases



# North Atlantic LCC Needs Review Process

- Criteria for Prioritizing Needs for LCC
  - Foundational needs for landscape conservation
  - Address major threats and uncertainties to sustaining natural or cultural resources
  - Landscape or regional in scale
  - Can be applied to multiple species
  - Will inform conservation decisions and actions
  - Priorities for existing partnerships

# North Atlantic LCC

## 2011 Needs Review Results (8a)

- 17 top common science needs
  - 3 aquatic, 4 coastal, 6 terrestrial, 4 multiple
- 4 top information management needs
- Linked to about 80 more specific needs and projects
- Top needs with clearly articulated projects supported by regional partnership

# North Atlantic LCC

## Recommended Projects

- Assessing Priority Amphibian and Reptile Conservation Areas (PARCAs) and Vulnerability to Climate Change
- Mapping the Distribution, Abundance and Risk Assessment of Marine Birds in the Northwest Atlantic



# Assessing Priority Amphibian and Reptile Conservation Areas (PARCAs) and Vulnerability to Climate Change

AFWA, UGA, MCFWRU, NEPARC

- Identify PARCAs
- Project regions of climate suitability for priority amphibians and reptiles
- Assessment of resiliency of PARCAs identified with respect to those that may provide refugia as the climate changes
- Identify data gaps

### Legend

DEWE\_range

State Boundary

DEWE\_ens\_b50

0

1

2

3

4

5

6

Kentucky

West Virginia

Virginia

Tennessee

North Carolina

South Carolina

0 25 50 100

Kilometers

N



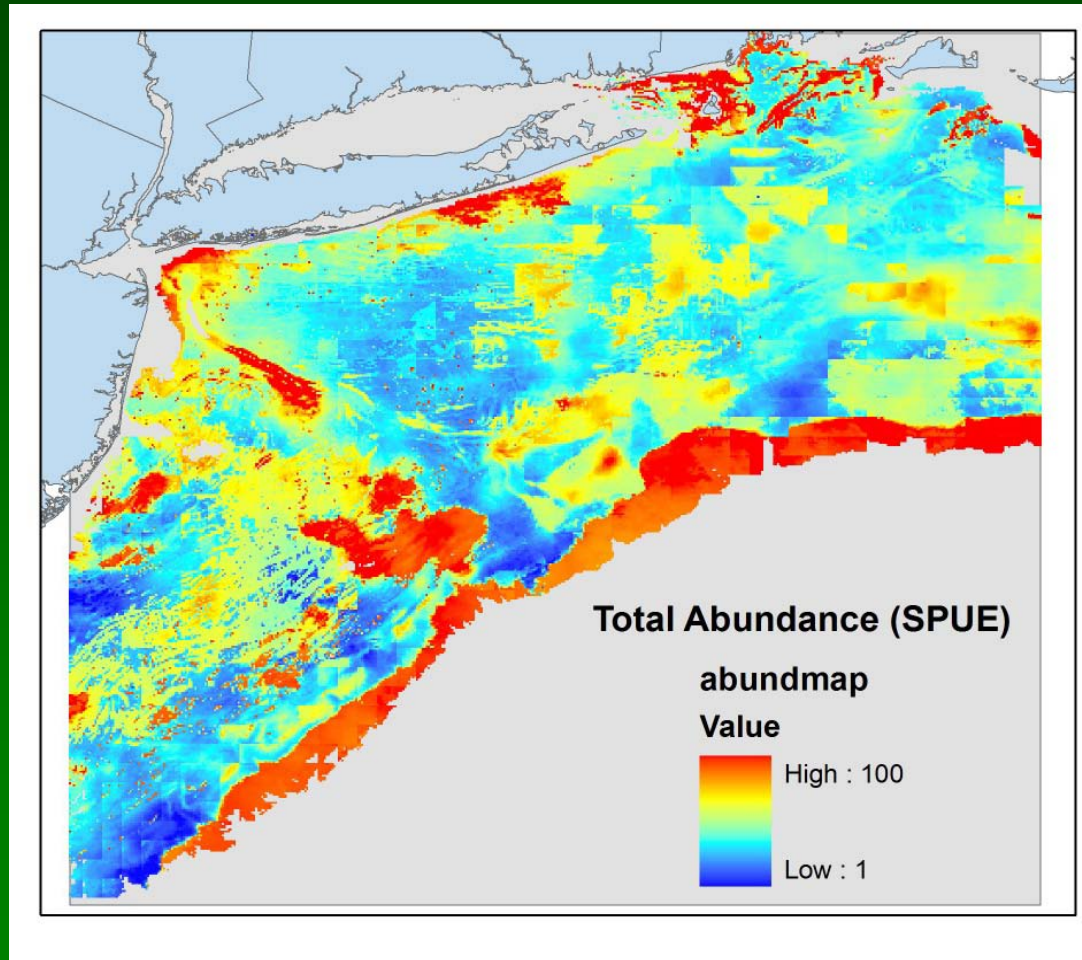
# Mapping the Distribution, Abundance and Risk Assessment of Marine Birds in the Northwest Atlantic

ACJV, BRI, NOAA, CUNY, FWS, USGS, DE

Series of maps depicting the distribution, abundance and areas of high, medium and low risk to marine birds from offshore activities in the northwestern Atlantic Ocean

- Collation of historical and extant survey efforts and analyses
- Predictive Modeling
- Risk Assessment
- Model Validation

# Mapping the Distribution, Abundance and Risk Assessment of Marine Birds in the Northwest Atlantic





# Northeast Conservation Framework

## GOAL-SETTING

*Which species/habitats to conserve, when,  
how much, and who will work on it?*

## BIOLOGICAL ASSESSMENT

*What do we know about the status  
of priority wildlife?*

## PRIORITIES/TRIAGE

*Which issues demand  
immediate attention?*

## MONITORING, EVALUATION AND RESEARCH

*What new information will we  
gather to support conservation?*

## INFORMATION MANAGEMENT

*How will we manage the  
demand for and creation of  
data?*

## ACTION DELIVERY

*How will we most efficiently put  
conservation on the ground?*

## CONSERVATION DESIGN

*Where are the best places to conserve  
the most species and habitats?*

## SCIENCE TRANSLATION

*How do we maximize the utility  
of science?*

## CONSERVATION ADOPTION

*How do we get the right people in the  
right places to adopt prescribed  
conservation actions?*



# North Atlantic LCC

## Next Steps with Existing Information

- Complete terrestrial habitat map in VA and MD Piedmont
- Conservation atlas - compilation, synthesis, modification, translation and adoption of existing spatial data and tools
- Pilot implementation of Information Management System

# North Atlantic LCC

## Further Articulation Needed

- Work group assessment of next steps for vulnerability of coastal wetlands, beaches and species to sea level rise
- Work group assessment of next steps for aquatic mapping and modeling

# North Atlantic LCC FY 2011 Projects (9)

- 1-5 approved in August
- Work group assessment of next steps for aquatic mapping and modeling
- TC recommends support for 6, 7, 9
- TC and staff recommend balance go to 10 and 11
- TC and staff recommend further articulation of 12 and 13