Northeast Regional Species of Greatest Conservation Need - building a cross-jurisdictional database to inform conservation design
Key Components

Conserved Lands

Species

Habitat
Species data...

assessing quality and quantity
Uneven sampling effort?
A high quality data set
Habitat data...

compiling regionally consistent data from various sources
Northeast Terrestrial Habitat Map

A consistent classification and map across 13 states

Above Zoom-in:
- Pitch Pine Barren
- Acidic Swamp
- Rocky Oak Woodland
- Pine-Oak Forest
- App Hemlock-N Hardwood Forest
And many other layers...

- Elevation
- Slope
- Stream temp
- Development
- Connectivity
- Canopy
- Aspect
- Imperviousness
- Securement
- Climate variables
Assessing the data...

using our knowledge to inform conservation design
Drilling down at species locations to assess habitat conditions.
Habitat suitability using regional data
Conservation Design Tasks

1. Work with state, federal and NGO partners to develop a methodology for establishing RCOAs
2. Perform GIS analysis to create RCOAs
3. Develop decision support tools and training for land managers to integrate RCOAs into their work
Questions?

Email: Lori_Pelech@fws.gov

North Atlantic LCC website: www.northatlanticlcc.org

Data Basin Portal: nalcc.databasin.org