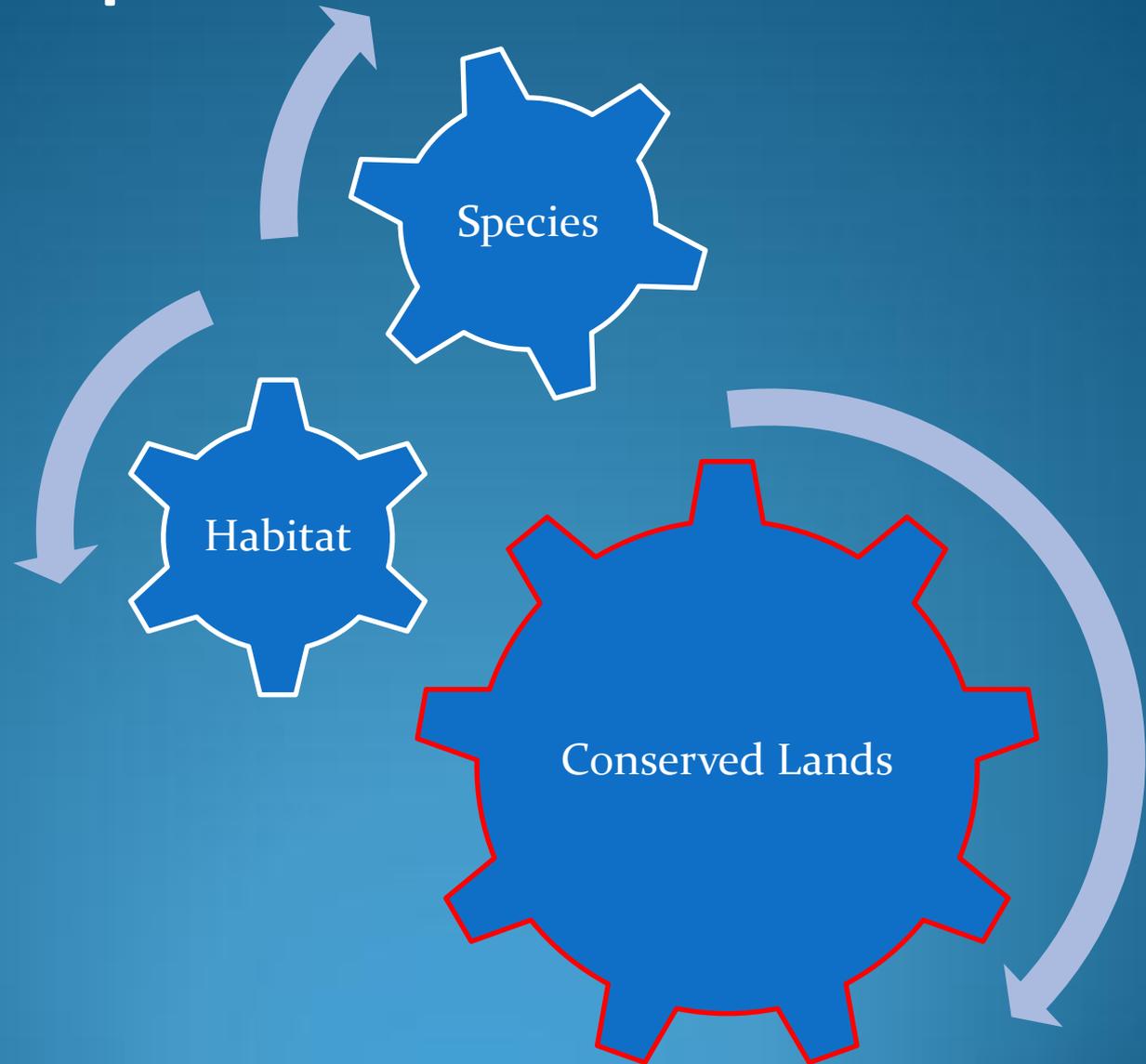


Northeast Regional
Species of Greatest
Conservation Need -
building a cross-
jurisdictional database
to inform conservation
design

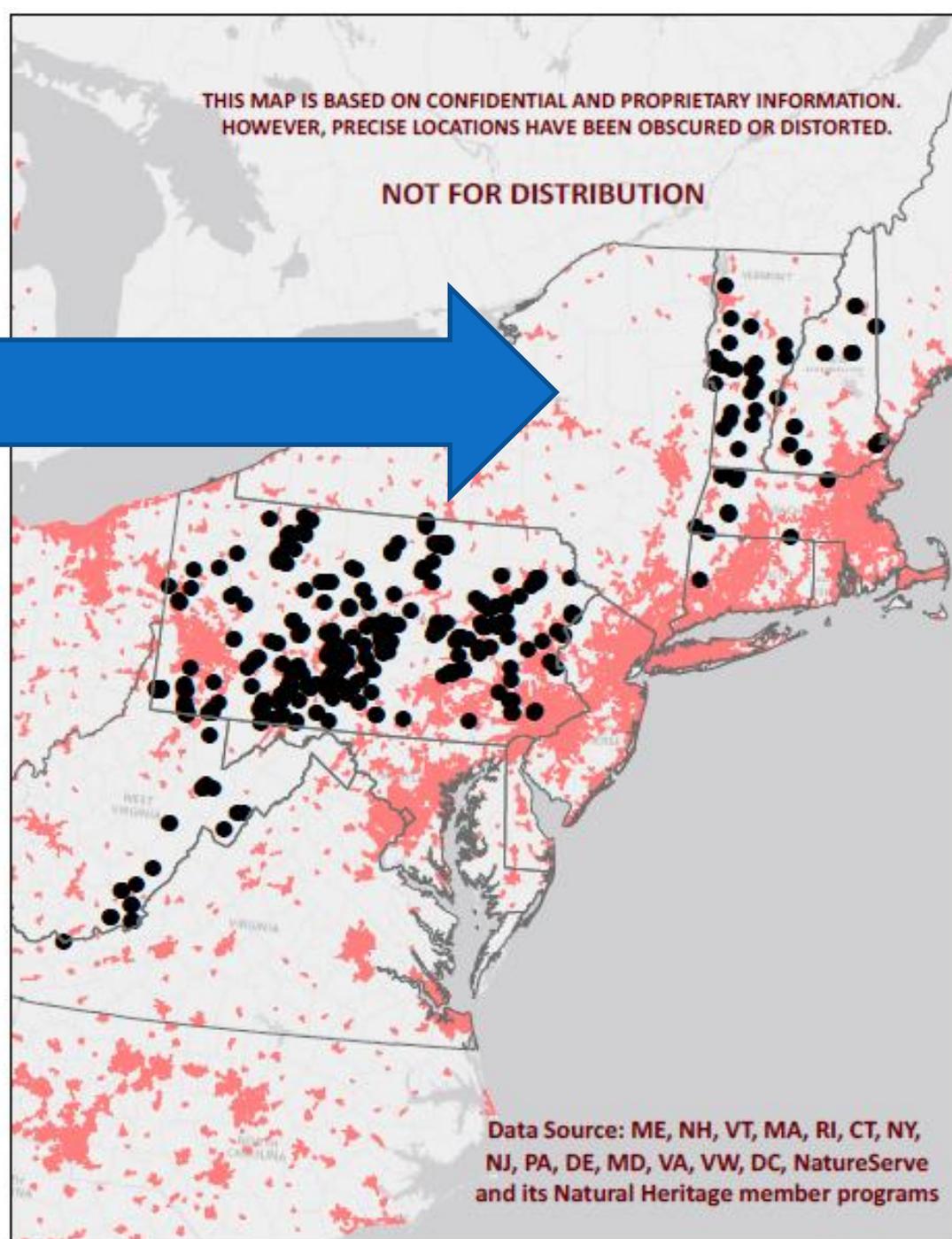
Key Components



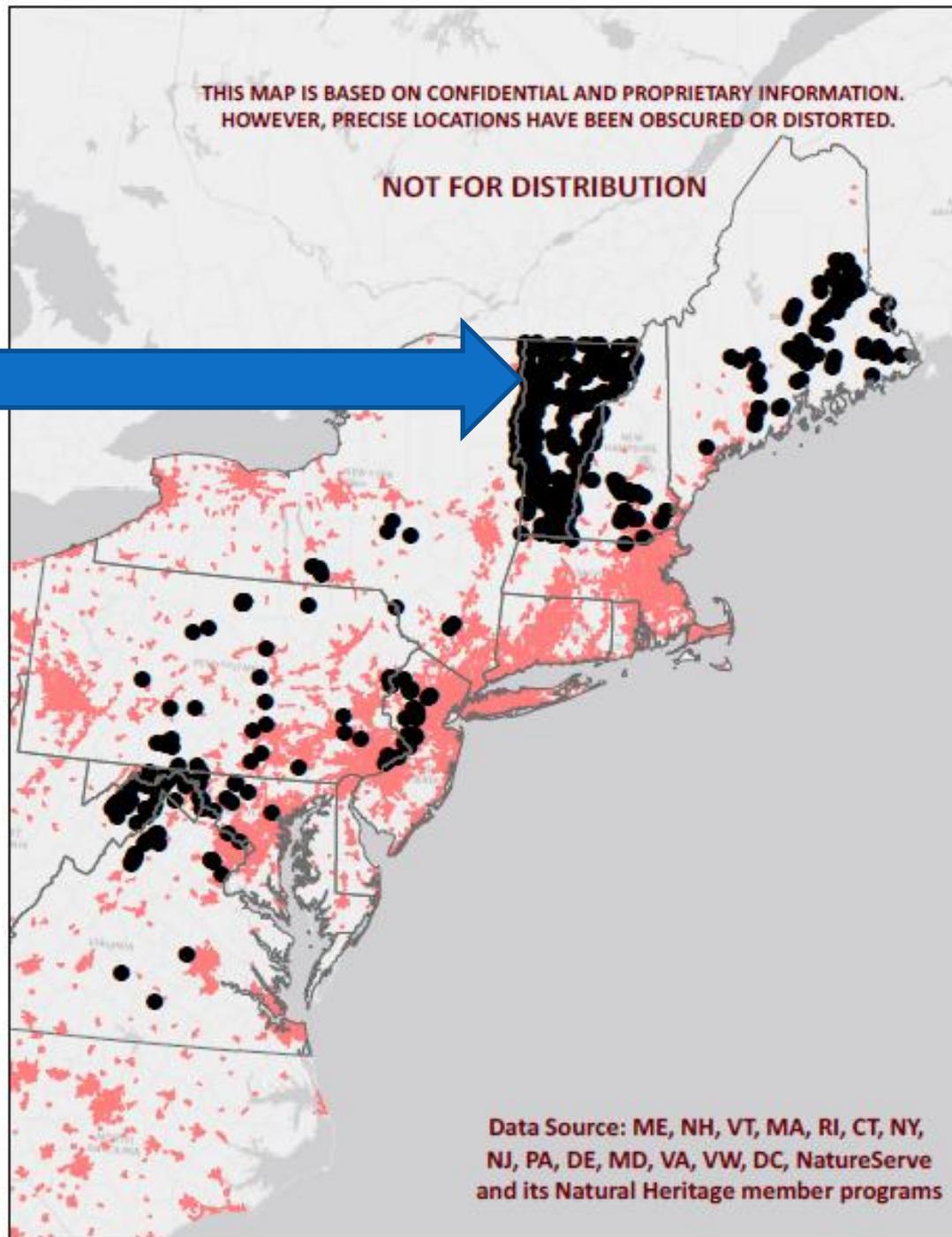
Species data...

assessing quality and quantity

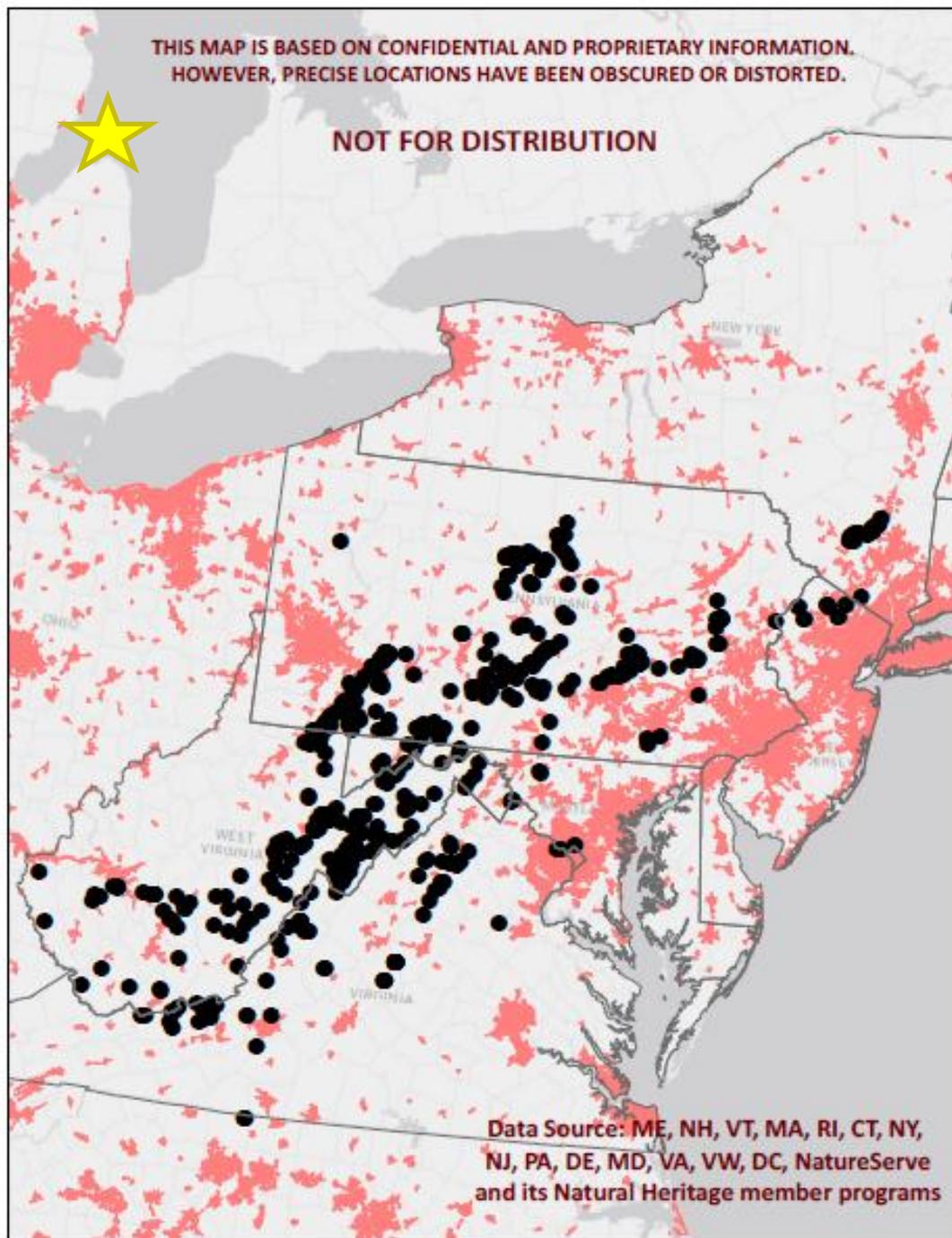
Missing
Data?



Uneven
sampling
effort?



A high
quality
data set



Habitat data...

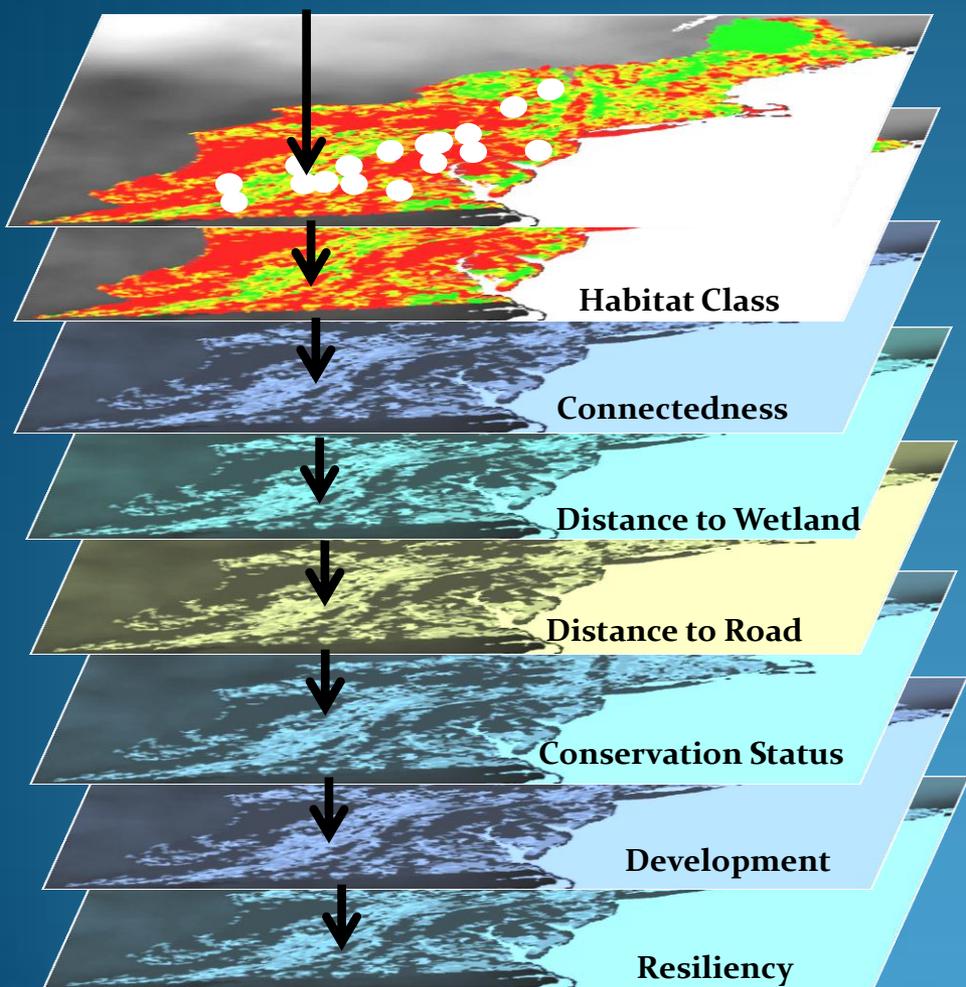
*compiling regionally consistent data
from various sources*

And many other layers...

- Elevation
- Slope
- Stream temp
- Development
- Connectivity
- Canopy
- Aspect
- Imperviousness
- Securement
- Climate variables

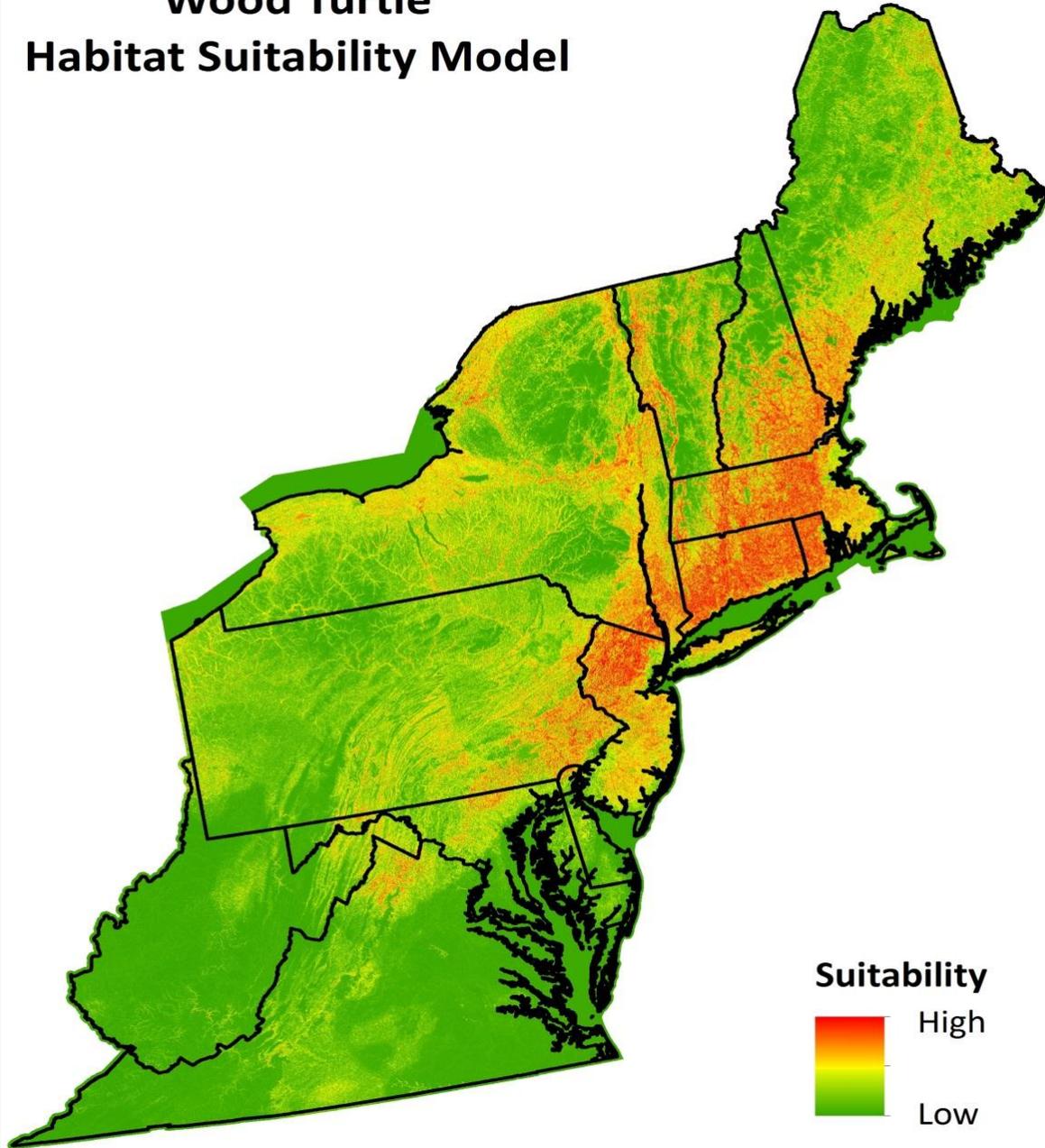
Assessing the data...

*using our knowledge to inform
conservation design*



Drilling down at species locations to assess habitat conditions

Wood Turtle Habitat Suitability Model



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



North Atlantic  Landscape Conservation Cooperative

