

# Northeast State of the Frogs:

Development of regional analysis for frog call survey data from the North American Amphibian Monitoring Program

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# NAAMP Protocol & Partnership

- ▶ Collaborative program between USGS, State Agencies, and other partners to monitor calling frogs and toad
- ▶ Over 20 states participating, including 11 Northeast states
- ▶ Use common protocol
  - Random roadside routes surveyed 3+ time per year
  - 10 stops per route; listen for 5 minutes at each stop
  - Observers pass an online frog call quiz to ensure able to identify calling amphibian species by sound

# RCN Funding

- ▶ Provide ability to hire post-doc to work on Northeast NAAMP data analysis
- ▶ Using occupancy modeling approach to:
  - Develop regional model to look at species trends for the Northeast as a whole
  - Incorporate calling index data for species with sufficient data, which will allow for greater sensitivity in detecting change (instead of truncating to presence-absence)

# Planned Products

- ▶ Presentation at Northeast Fish & Wildlife Conference
- ▶ Submit manuscript of regional trend analyses to scientific journal
- ▶ Create regional trend results webpage on NAAMP website

