Climate change and State Wildlife Agencies

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NEFWDTC

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NEFWDTC work

- Regional SWAP analysis (due December 2017)
- SWAP Database (available now)
- Regional Species of Greatest Conservation Need (ongoing since 1999)
- Regional Conservation Needs grant program (Initiated in 2005)

Regional SWAP analysis

- 14 SWAPs
- Database
- Shared species, habitats, threats, and actions
- Top threats
 - Pollution
 - Development
 - Dams and water management
 - Invasive species
 - Wildlife disease
 - Climate change
- Report recommendations include high priority actions to take at the regional scale



- Questions you can answer:
 - How many states listed Blanding's Turtle as SGCN? Is it RSGCN?
 - What kind of habitat does Blanding's Turtle live in?
 - What are the threats to Blanding's Turtle?
 - What are the threats in Blanding's Turtle habitat?
 - What did states propose to do in support of Blanding's Turtle?



RSGCN list

- Considerations:
 - Regional responsibility
 - Conservation concern
- Uses:
 - Grant justifications/ funding decisions
 - Regional partners
 - Inter-state collaboration
 - Action prioritization



SGCN and RSGCN

Taxonomic Group	SGCN	RSGCN
Birds	269	17
Mammals	103	21
Reptiles	69	17
Amphibians	82	13
Fish	324	63
Invertebrate – Arthropods	1,674	109
Invertebrate – Non Arthropods	437	64

RCN program

- Regional Conservation Needs
- Conservation assessments / plans for RSGCN



State wildlife agencies and climate change

- So many threats, so many imperiled species, so little money
- Reactive, hard to be proactive
- SWAPs are 10-year plans
- Climate smart planning
- Adaptation most likely to occur where climate change is now... Coasts



Tonight !

 Poster session about regional swap analysis and database

Conserving Fish and Wildlife Diversity in the Northeast: Mining the State Wildlife Action Plans

Northeast Fish and Wildlife Diversity Technical Committee supported by Elizabeth Crisfield and Karen Terwilliger (Terwilliger Consulting, Inc.)



best address issues that are beyond the reach of any one state fish and wildlife agency. Pie charts below show number of species, by taxonomic group (color frame indicates taxa), that are associated with issues or habitats. Linkages are examples of priorities currently being discussed.









238 threats to species





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Development & Service Corridors transportation and energy corridors

 habitat conversion for residential and commer cial development widespread and irreversible

365 threats to species.

Disease and Invasive Species

 Risk of disease introduction in wild populations (esp. reptiles and amphibi ans) is a focus

246 threats to species



Pollution primarily non point source

aquatic 280 threats to



- · temperature ex-
- tremes droughts
- · habitat shifts 224 threats to species

























