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
NE SWAP Database

• All 14 northeast wildlife action plans
• Species, habitats, threats, and actions
• Linkages between them
• 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

Big Sandy Crayfish
Credit: Zachary Loughman
## SGCN and RSGCN

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>SGCN</th>
<th>RSGCN</th>
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</thead>
<tbody>
<tr>
<td>Birds</td>
<td>269</td>
<td>17</td>
</tr>
<tr>
<td>Mammals</td>
<td>103</td>
<td>21</td>
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<tr>
<td>Reptiles</td>
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<td>17</td>
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<tr>
<td>Amphibians</td>
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<tr>
<td>Fish</td>
<td>324</td>
<td>63</td>
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<tr>
<td>Invertebrate – Arthropods</td>
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<tr>
<td>Invertebrate – Non Arthropods</td>
<td>437</td>
<td>64</td>
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</tbody>
</table>
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

Piping Plover
Credit: Donald R. Miller
Tonight!

- Poster session about regional swap analysis and database