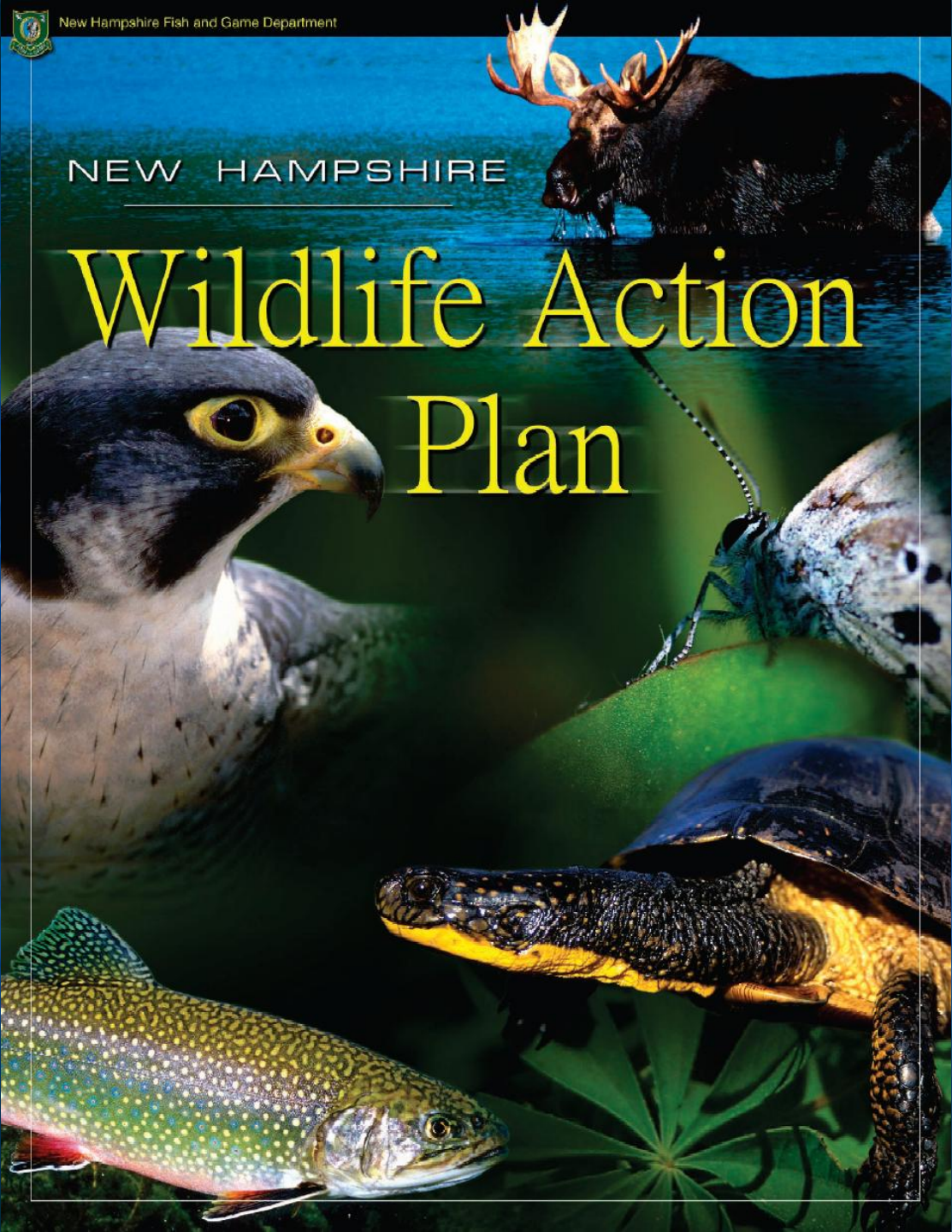


# Ecosystems and Wildlife Climate Adaptation Plan



**And many  
conservation  
partners!**

**Emily Preston  
Wildlife Biologist**





# Ecosystems and Wildlife Climate Adaptation Plan

Amendment to NH  
Wildlife Action Plan



Adaptation Plan as  
part of NH Climate  
Action Plan

# Major Coastal Vulnerabilities

- Sea level rise – inundation and changes to species.
- Erosion of beaches, dunes and salt marshes by storm surge.
- Changes in species due to temperature increases and salinity changes.
- Damage to habitat from hardening of shores.





# Major Other Habitat Vulnerabilities

- Individual species will shift ranges.
- Flooding: changes in intensity and frequency, changes high flow timing.
- Hydrological: change in wetland flooding duration and timing, loss of groundwater recharge, summer drought issues
- Temperature: loss of coldwater species, increased decomposition in peatlands and swamps.
- Increases in invasive species.



# Strategy Compilation

- Developed strategies to assist habitats to address those vulnerabilities.
- Garnered a variety of types of strategies from scientists, policy makers, decision-makers, planners, educators, and others.





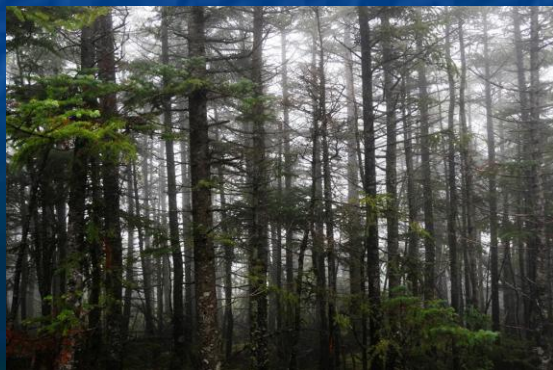
# Strategy Categories

1. Stormwater Policy and Flood Response
2. Restore Stream Connectivity
3. Protect Riparian and Shoreland Buffers
4. Revise Water Withdrawal Policies
5. Invasive Species Plan
6. Conserve Areas for Habitat Expansion and/or Connectivity



# Strategy Categories

- 7. Habitat Restoration and Management
- 8. Comprehensive Planning
- 9. State Energy Policy
- 10. Funding
- 11. Modeling, Research and Monitoring
- 12. Technical Assistance and Outreach





# Goal:

## Intact natural ecosystems!

Not necessarily those we have now – they will probably look different.

- Intact ecosystems will help mitigate effects of climate change.
- How can we help and how can we avoid making thing worse?





# Celebrating 25 years of protecting endangered species and keeping common species common



Join us in our year-long celebration!

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