



*Shared solutions to  
protect shared values*



*Photos: Chase Fountain, James Jordan, George Andrejko*

# The National Fish, Wildlife, and Plants Climate Adaptation Strategy: Taking Action

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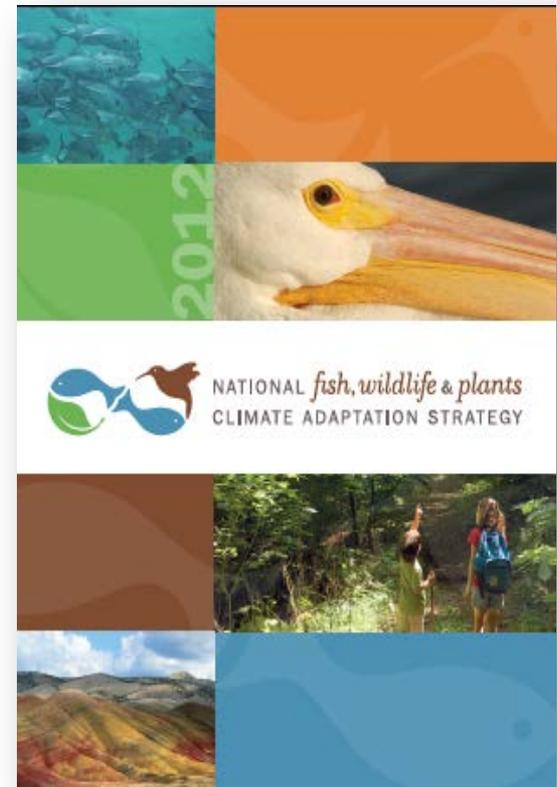
Association of Fish and Wildlife Agencies  
September 11, 2014





# National Fish, Wildlife and Plants Climate Adaptation Strategy

- Framework for coordinated action
- Multiple partners, sectors, and scales
- Goal to reduce risks and impacts of climate change on U.S. natural resources





## Goals of the Strategy

1. Conserve and connect habitat
2. Manage species and habitats
3. Enhance management capacity
4. Support adaptive management
5. Increase knowledge and information
6. Increase awareness and motivate action
7. Reduce non-climate stressors

7 Goals  
23 strategies  
100+ actions  
Progress Lists  
Case studies





## ***Taking Action***

- Describes actions that follow Strategy recommendations
- Focus on partnership across governments and scales
- The collective effort introduced by the Strategy is already underway.





## ***Taking Action***

Subgroup of JIWG Solicited case studies of climate adaptation projects

Total # of Case Studies	Total # of Partners
101	354





## ***Taking Action***

Type of Partner	# of Partners
Federal Gov't	79
State Gov't	35
Tribal Gov't	12
Local Gov't	44
NGO	91
Universities	35
Private Landowners/Business	24





## **Protecting Coldwater Fish from Climate Change: Building resilience in deep lakes using a landscape approach**





## *Case Study*

- Coldwater fish require cold, well-oxygenated lakes
- Live in deep lakes with good water quality
- Poor water quality can force fish in to lethal water temperatures to obtain oxygen





## *Case Study*

- MN DNR has identified 176 “refuge” lakes in Minnesota
- Deep and clear enough to sustain coldwater fish
- Function as refuges to climate change
- Protecting the water quality in these important lakes





# Case Study

Minnesota DNR Division of Forestry is using Clean Water Legacy funding to protect private forest lands in the watersheds of refuge lakes.





## Partners

- Minnesota Department of Natural Resources
- Minnesota Pollution Control Agency
- Minnesota Board of Water and Soil Resources
- University of Minnesota





## *Taking Action*

- Report features 50 of the case studies
- Partner lists for each case study
- Organized in to seven chapters, based on goals
- At least one case study for all 23 strategies



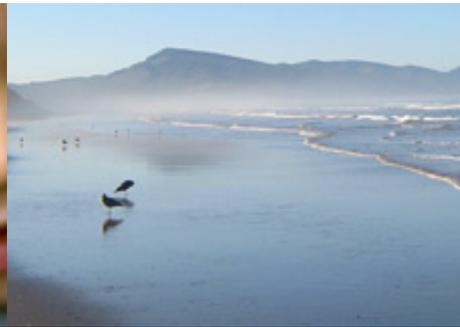
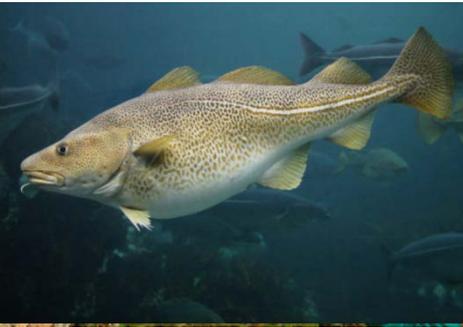


Report will be released at  
AFWA's Annual Meeting  
September 22, 2-5 PM  
St. Louis, MO





NATIONAL *fish, wildlife & plants*  
CLIMATE ADAPTATION STRATEGY



*Photos: Chuck Olsen, Tom Woodward, Jane Pellicciotto, Lynette Schimming*

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shared values

***[www.wildlifeadaptationstrategy.gov](http://www.wildlifeadaptationstrategy.gov)***