



AFWA Climate Adaptation Projects

Arpita Choudhury
AFWA Science & Research Liaison

A National Agenda

The Association of Fish and Wildlife Agencies *represents* **North America's fish and wildlife agencies** to promote sound management and conservation and speak with a collective voice on important fish and wildlife issues **at the national level.**



Our Members

Contribute their expertise on

more than 60 committees, 50 State Fish & Wildlife Agencies, subcommittees and working groups... & the District of Columbia

Agricultural Conservation ▪ Angler/Boater Participation

Bird Conservation ▪ Climate Change ▪ Education/Outreach/
3 Territorial Fish & Wildlife Agencies

Diversity ▪ Energy & Wildlife Policy ▪ Federal & Tribal Relations
Fish & Wildlife Trust Funds ▪ Fisheries/
Water Resources Policy ▪ Hunting/Shooting Sports Participation

International Relations ▪ Invasive Species ▪ Law Enforcement

9 Canadian Provinces & Territories
Legal ▪ Legislative/
Federal Budget ▪ Science & Research ▪ Strategic Issues

Sustainable Wildlife Use ▪ Teaming With Wildlife

Threatened/Endangered Species Policy ▪ Wildlife Resource

2 Mexican States
Policy ▪ Regulatory Programs ▪ Diversity ▪ Drug Approval

Biofuels ▪ CEAP ▪ Coal Energy ▪ CRP ▪ CSP

Climate Change/Wildlife Action Plan ▪ Conservation Compliance

10 Federal Natural Resources Agencies

Education ▪ Equip ▪ ESA/Climate Change ▪ Federal/State CITES

Access ▪ Forestry ▪ Furbearer Resources
Management ▪ Human/Wildlife Conflict ▪ Interstate Wildlife

Violator Compact ▪ Landowner Incentives Program ▪ Lead and
4 Regional Fish & Wildlife Associations

Fisheries ▪ Migratory Shore & Upland Game Bird ▪ Nuclear

Onshore Oil/Gas & Oil/Shale/Tar ▪ Outreach ▪ Partners in Flight/
Shorebird/Waterbird ▪ Post Drug Approval ▪ Public Access

Resident Game Bird ▪ Waterfowl ▪ Wildlife Viewing & Nature
Tourism ▪ WHIP ▪ Wind Power & Transmission Corridors ▪ WRP

... and more!





ASSOCIATION *of*
FISH & WILDLIFE
AGENCIES

Voluntary Guidance for States to Incorporate Climate Change into State Wildlife Action Plans & Other Management Plans

Available on www.fishwildlife.org

A Collaboration of the Association of Fish & Wildlife Agencies'
Climate Change and Teaming With Wildlife Committees
September 2009

General Format

Executive Summary

Four major chapters:

Adaptation

Toolkit – Vulnerability assessments; Adaptive Management;
Monitoring

Action Plan Revision Process (*by element*)

Climate Change and Wildlife References & Resources (*Appendix*)

Each chapter is structured to stand alone, complete with
pertinent Case Studies



Work Group Members

Chair: Patty Riexinger, New York DEC

Amber Pairis, California Dept. of Fish & Game

Arpita Choudhury, Assoc. of Fish & Wildlife Agencies

Austin Kane, National Wildlife Federation

Bill Geer, Theodore Roosevelt Cons. Partnership

Bruce Young, NatureServe

David Whitehurst, Virginia Dept. of Game & Inland Fisheries

Dennis Figg, Missouri Dept. of Conservation

Doug Parsons, Florida Fish & Wildlife Conservation Commission

EJ Williams, US Fish & Wildlife Service

Eric Gardner, Arizona Department of Game & Fish

John O'Leary, Massachusetts Division of Fisheries & Wildlife

Vice Chair: Mike Harris, Georgia DNR

Joyce Francis, Arizona Dept. of Game & Fish

Laura Richards, Nevada Dept. of Wildlife

Loring Schwarz, The Nature Conservancy

Mark Humpert, Assoc. of Fish & Wildlife Agencies

Mike Stone, Wyoming Dept. of Fish & Game

Molly Cross, Wildlife Conservation Society

Rocky Beach, Washington Dept. of Fish & Wildlife

Robin Schrock, US Geological Survey

Sara O'Brien, Defenders of Wildlife

Sara Vickerman, Defenders of Wildlife

Steve Jose, US Fish & Wildlife Service

Thomas Eason, Florida Fish & Wildlife Conservation Commission



Regional Workshops

Four Regional Climate Change Workshops

-Northeast June 15th & 16th Hadley, MA

- Vulnerability Assessments
- LCCs

-Southeast August 3rd & 4th Mansfield, GA

- Science & Research Needs
- Internal Communication

-Midwest December 11th & 12th Minneapolis, MN

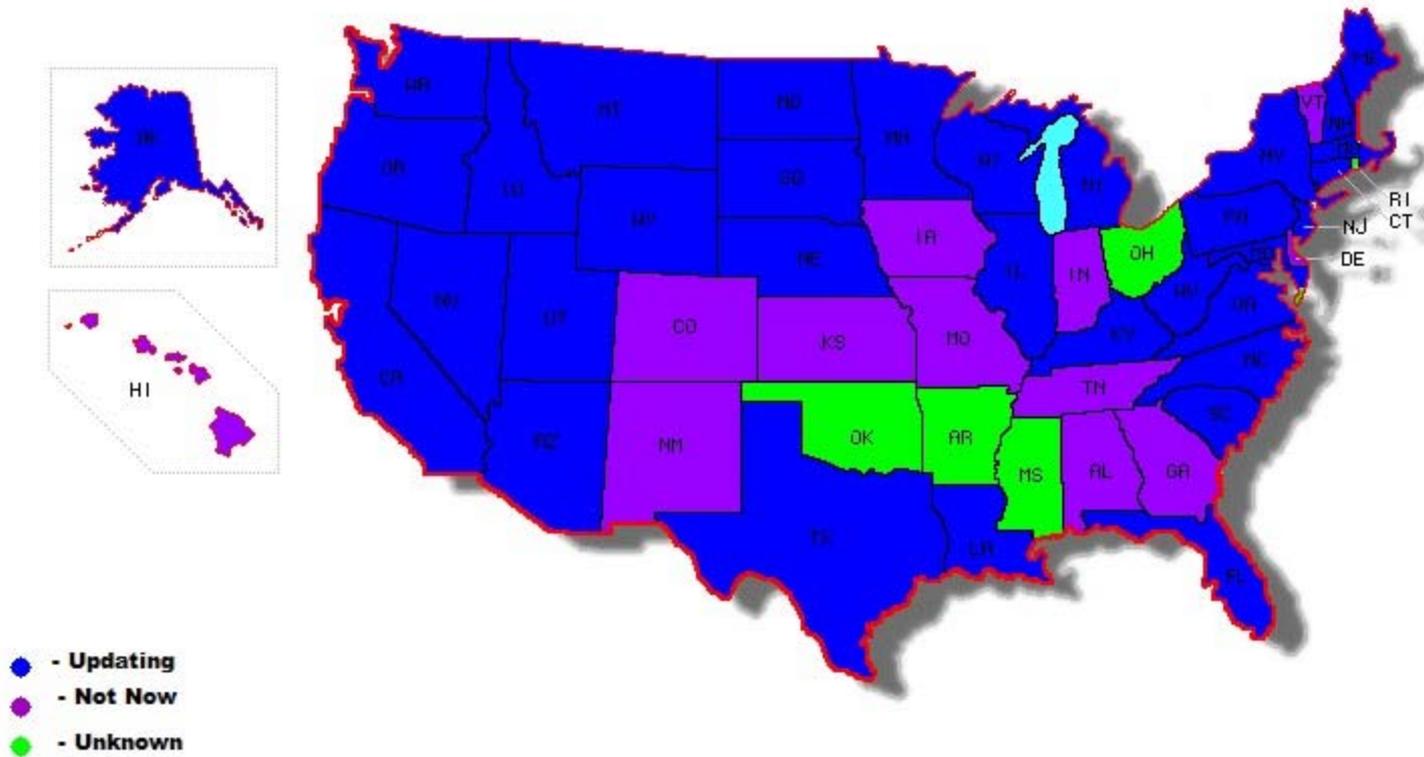
- MAFWA Climate Change Committee
- Regional Case Studies

-Western January 7th Tucson, AZ

- Director's Forum
 - Clarity about federal climate change policy
 - Coordination of federal climate initiatives
 - Integration of climate change into agency programs
 - Messaging
 - Funding



State Wildlife Action Plan Climate Change Updates: State by State





National Fish, Wildlife and Plants Climate Adaptation Strategy

- A national framework for cooperative climate response
- A focus on national boundaries but with the recognition of the international nature of fish and wildlife resources
- A philosophy of collaboration and interdependence
- Landscape-scale science and management
- Integration of adaptation and mitigation efforts
- Ecosystem-based management approach to sustain biodiversity and ecosystem services



AFWA's Vision

Healthy fish and wildlife resources throughout North America
managed by effective, well-funded *fish and wildlife agencies*
supported by informed and involved citizens.



achoudhury@fishwildlife.org