

# Arkansas Wildlife Action Plan



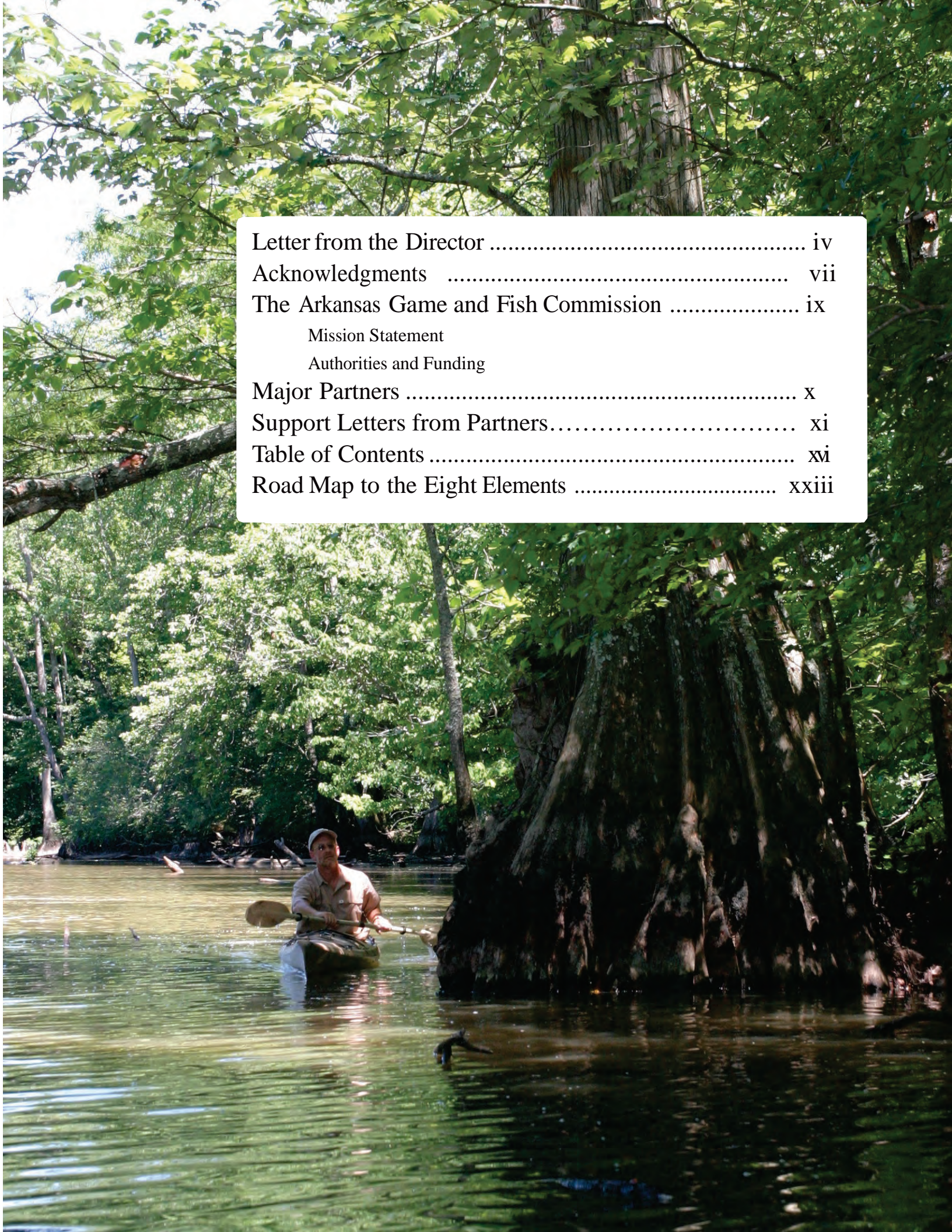
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# **DESIGNING** **A FUTURE** for Arkansas Wildlife

[www.WildlifeArkansas.com](http://www.WildlifeArkansas.com)

The Arkansas Wildlife Action Plan  
©Arkansas Game and Fish Commission, 2005  
Revised, October 2006,  
October 2015

A photograph of a man in a kayak on a river, surrounded by dense green trees. The man is wearing a light-colored shirt and a cap, and is holding a paddle. The river is calm, and the trees are lush and green. The scene is peaceful and scenic.

Letter from the Director .....	iv
Acknowledgments .....	vii
The Arkansas Game and Fish Commission .....	ix
Mission Statement	
Authorities and Funding	
Major Partners .....	x
Support Letters from Partners.....	xi
Table of Contents .....	xv
Road Map to the Eight Elements .....	xxiii

# Arkansas Game and Fish Commission

2 Natural Resources Drive Little Rock, Arkansas 72205

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Dr. Kim Smith (Ex-Officio)  
University of Arkansas  
Fayetteville

September 22, 2005

Emily Jo Williams  
Assistant Regional Director for Migratory Birds and State Programs  
U.S. Fish and Wildlife Service  
1875 Century Blvd, Suite 240  
Atlanta, GA, 30345

Dear E.J.:

In the accompanying package, you will find two copies of Arkansas' Comprehensive Wildlife Conservation Strategy along with the same information on CD. A CD is also being sent to the Washington, D.C. federal aid office.

I can't tell you how pleased I am to be taking this step along with the other state directors. It has been more than two decades since we initiated efforts in the regional associations to secure nongame federal funding. We would not be here without the leadership shown by the IAFWA and the USFWS. Surely these state strategies will demonstrate to Congress the need for dedicated funding and the ability of the states to wisely target that funding to species of greatest conservation need.

Our CWCS is intended to be a useful planning tool for both professional and citizen conservationists in Arkansas. We involved our major partners from the beginning. Their response has been more than gratifying – it's been heroic, given the scope of the work. I am also struck by the receptivity of Arkansas citizens to this initiative. They have demonstrated again support for the broad array of wildlife and seem supportive of our agency for assembling the scientific underpinnings for sound decision making.

I also want to recognize the assistance my staff received from the IAFWA staff, the Teaming With Wildlife committee, The Wildlife Diversity Program Managers and the FWS federal assistance staff. Some very visionary, hard working people have made a difference in fish and wildlife conservation.

Phone: 501-223-6300 Fax: 501-223-6448 Website: [www.agfc.com](http://www.agfc.com)

The mission of the Arkansas Game and Fish Commission is to wisely manage all the fish and wildlife resources of Arkansas while providing maximum enjoyment for the people.

We are only pausing to submit our CWCS as a snapshot in time. It will be continually updated as we learn more and take effective conservation actions. We will be receptive to any suggestions for improving it and are already identifying features to assist implementation.

Sincerely,

A handwritten signature in cursive script that reads "Scott Henderson".

Scott Henderson  
Director

Cc: U.S. Fish and Wildlife Service  
Division of Federal Assistance  
Attn: Genevieve Pullis LaRouche  
4401 N. Fairfax Drive  
MBSP-4020  
Arlington, VA 22203



Mike Knoedl  
Director  
Jeff Crow  
Chief of Staff and  
Deputy Director

Andrew Bass  
Assistant Deputy Director  
Ricky Chastain  
Assistant Deputy Director

## Arkansas Game and Fish Commission

1 October 2015

Mike Piccirilli  
U.S. Fish and Wildlife Service  
Division of Wildlife and Sport Fish Restoration Program  
1875 Century Blvd., Suite 240  
Atlanta, GA 30345

Dear Mr. Piccirilli,

Nearly eight years have passed since the original Arkansas Wildlife Action Plan (AWAP) was approved. In that time, the state has received over \$10 million dollars in state wildlife grant funding to implement the Plan. We have made many accomplishments as a result, including expanding our knowledge on the status and life history of many species and putting much needed habitat on the ground.

Over the past 3 years, we have worked diligently with our conservation partners to review and update the required elements within the Plan. The largest change is an update to the NatureServe state ranks for many species. The revised Plan includes 377 species of greatest conservation need (SGCN) for which all information has been updated.

We feel that the AWAP remains useful and relevant and is an important document, not only for our agency, but for all conservation agencies in the state. This is evidenced by the continued support and involvement of our conservation partners in updating the plan, serving on committees, and implementing the Plan.

Enclosed you will find a summary of the major changes to the Plan, two hard copies of the revised Plan for the regional review team, and a thumb drive with electronic copies of the Plan and the AWAP database. Should you have any questions, please contact Allison Fowler, Wildlife Diversity Program Coordinator, at 501-223-6366.

We look forward to your response.

Sincerely,

Mike Knoedl, Director

2 Natural Resources Drive • Little Rock, AR 72205 • [www.agfc.com](http://www.agfc.com)  
Phone (800) 364-4263 • (501) 223-6300 • Fax (501) 223-6448

## **Purpose**

The Arkansas Wildlife Action Plan (AWAP), formerly known as the comprehensive wildlife conservation strategy (CWCS), serves as a guiding document for the conservation community in identifying those species that are at risk of becoming further imperiled and the actions needed to conserve those species.

## **Acknowledgments**

The preparation of Arkansas' original AWAP involved the input and participation of a wide variety of individuals, including staff within multiple divisions of the Commission, as well as from other state and federal agencies, conservation organizations, private industry, and academia. The 2015 revision of the Plan involved many of those same partner organizations, a testament to the continued strength of conservation partnerships within Arkansas.

We extend our warmest thanks to everyone who has contributed their support, knowledge, time and energy in the development of the Plan.

## **Champions**

Sen. Blanche Lincoln, Gov. Mike Huckabee, Sen. Mark Pryor, Rep. Vic Snyder, Rep. Mike Ross, Director Scott Henderson and Deputy Director David Goad.

## **Served on teams and committees:**

Alan Christian, Alan Clingenpeel, Allan Mueller, Arlene Green, Becky McPeake, Betty Crump, Bill Holimon, Bill Keith, Bill Posey, Blake Sasse, Bob Sikes, Brian Wagner, Catherine Rideout, Chris Davidson, Cindy Boland, Cindy Osborne, Dan Scheiman, David Saugey, Don Catenzaro, Don White, Doug Zollner, Doyle Shook, Elizabeth Murray, Ellen Fennell, Ethan Inlander, Gary Heidt, Henry Robison, J. D. Wilhide, Jeff Holmes, Jeff Quinn, Jim Baker, Jim Wise, John Harris, Karen Ballard, Karen Rowe, Kaushik Mysorekar, Kay McQueen, Kelly Irwin, Ken Smith, Kris Rutherford, Lane Patterson, Lucy Moreland, Michael Slay, Michael Warriner, Mike Fuhr, Nancy Ledbetter, Renn Tumilson, Sagar Mysorekar, Sandra Miller, Stan Trauth, Stephen Brandenbura, Steve Duzan, Steve Filipek, Thomas Risch, Tim Snell, Tom Buchanan, Tom Foti and Tom Nupp.

## **Assisted with public meetings:**

Karen Ballard, Mike Benton, Allan Beuerman, Brad Carner, David Covington, Betty Crump, Kyle Cunningham, Richard Davies, Ellen Fennell, Tom Harrington, Scott Henderson, Becky McPeake, Sandra Miller, Stephen O'Neal, Beth Phelps, Karen Rowe, Blake Sasse, Melony Wilson, Gerald Alexander, Mark Barbee, Ruth Ann Chapman, Nelson Childers, Randy Chlapecka, Steve Culp, Garrick Dugger, David Evans, Steve Filipek, Rhonda Foster, Steven Fowler, David Fowlkes, Dave Freeze, Che Gordon, Carroll Guffey, Johnny Gunsaulis, Gwen Handcock, Carl Hayden, Janie Hipp,

Bryan Hollis, Mark Hooks, Doug Hunter, Brian Infield, Matthew Irvin, Steve Kelley, Wes Kirkpatrick, Berni Kurtz, Reggie Liddell, David Long, Gregg Mathis, Brian McKinzie, Roger Milligan, Jodi Morris, John Payne, Jeff Quinn, Rex Roberg, Laura Rogers, Charles elf, Eley Talley, Fran Tomerlin, Kalven Trice, John Benjamin and Kim Smith.

We are grateful to Angela Browner for creating the CWCS logo and Bruce Cook for aiding with production. We would also like to thank the participants of our June 2005 stakeholder meetings.

We are also especially thankful for the following individuals for their efforts toward the revision of the plan: Dr. Bill Baltosser, Wes Cleland, Cindy Osbourne, Tony Davis, Tom Foti, Bill Holimon, Kelly Irwin, Scott Lane, Allan Mueller, Bill Posey, Jeff Quinn, Kory Roberts, Karen Rowe, Blake Sasse, Samantha Scheiman, Don Shepard, Jason Throneberry, Brian Wagner, and Doug Zollner.



# Arkansas Game and Fish Commission

## **Mission**

The mission of the Arkansas Game & Fish Commission is to wisely manage all the fish and wildlife resources of Arkansas while providing maximum enjoyment for the people.

## **Authorities**

“The control, management, restoration, conservation, and regulation of birds, fish, game and wildlife resources of the State, including hatcheries, sanctuaries, refuges, reservations and all property now used for said purposes and the acquisition and establishment of same, the administration of the laws now and/or hereafter pertaining thereto” is vested in the Arkansas Game and Fish Commission by Amendment 35 to the Arkansas Constitution, approved in the general election of November 7, 1944.

## **Funding**

Amendment 35 to the Arkansas Constitution establishes the Game Protection Fund as the depository of all Commission revenues and restricts appropriation to the purposes defined above. It also contains specific authority for the Commission to “spend such monies as are necessary to match federal grants under the Pittman- Robertson or similar acts for the propagation, conservation, and restoration” of wildlife.

In the 1996 general election, Arkansans approved Amendment 75 to the Arkansas Constitution, finding that “fish, wildlife, parks, tourism and natural heritage constitute a major economic and natural resource of the State and they desire to provide additional funds to the Arkansas Game and Fish Commission, the Department of Parks and Tourism, the Department of Heritage and Keep Arkansas Beautiful.” Forty-five percent of all monies collected from an additional excise tax of one-eighth of one percent on taxable sales of property and services is credited to the Game Protection Fund established by Amendment 35 for exclusive use by the Arkansas Game and Fish Commission, as appropriated by the General Assembly.

To make the case for revenue expansion, the Arkansas Game and Fish Commission prepared the Plan For Conservation – a vision document reflecting the agency’s planned resource allocation among broad programmatic areas (e.g., fish and wildlife management, enforcement, nongame and threatened species management, conservation education, etc.). These allocations were developed using historic allocations as a baseline, but with prioritization of new Conservation Sales Tax funding relying heavily on public input. Since the passage of Amendment 75, Plan For Conservation has guided agency budgeting and helped us keep our promises to Arkansans.

## **Major AWAP Partners**

Arkansas constructed its Wildlife Action Plan with key partners who served on the Steering Committee from the beginning. Aiding the Arkansas Game and Fish Commission were The Nature Conservancy, Audubon Arkansas, U. S. Fish and Wildlife Service, U. S. Forest Service and Arkansas Natural Heritage Commission. As the work on the Plan progressed, additional members joined: The Arkansas Academy of Science, the Cooperative Extension Service and Natural Resources Conservation Service. Letters from partners in support of the Arkansas Wildlife Action Plan are provided on the following pages.

Through numerous meetings during the development phases, the Steering Committee's role was to make key decisions to direct the cooperative effort that forms the structure of the AWAP.

Since the approval of the Plan, the members of the Steering Committee have remained involved in the implementation of the Plan, by participating in the state wildlife grant process. Specifically, the steering committee is charged with helping to determine the highest priority research and monitoring needs and conservation actions for Species of Greatest Conservation Need (SGCN) and their habitats.



The Nature Conservancy  
Arkansas Field Office  
601 North University Avenue  
Little Rock, AR 72205

tel [501] 663.6699  
fax [501] 663.8332  
[nature.org](http://nature.org)

September 16, 2005

Mr. Scott Henderson, Director  
Arkansas Game and Fish Commission  
2 Natural Resources Drive  
Little Rock, AR 72205

Dear Mr. Henderson:

The Nature Conservancy has dedicated itself to the long-term survival of all viable native species and community types through conservation activities that restore and conserve ecological processes needed to ensure their long-term persistence. To accomplish this vision, TNC staff is charged with identifying the species, communities, and ecological systems that will serve as targets for conservation action in ecoregions of the United States. The CWCS SWG program has provided support to TNC in accomplishing our goal of site conservation planning and in determining conservation data gaps.

Further, CWCS administered through Arkansas Game and Fish Commission has provided a coordinated approach that has pooled the resources of a larger group of conservation partners to fund research and improvements for "species of greatest conservation need."

Thank you to the AGFC for your key efforts in working towards meetings the goals and objectives of the CWCS.

Sincerely,

A handwritten signature in black ink that reads "Kay McQueen". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Kay McQueen  
Director of Conservation Programs



United States  
Department of  
Agriculture

Forest  
Service

Ouachita National Forest

P.O. Box 1270  
Hot Springs, AR 71901

File Code: 1500  
Date: September 15, 2005

Dear Scott Henderson, Arkansas Game and Fish Commission Director

You and your Staff are to be commended for your leadership in developing the Comprehensive Wildlife Conservation Strategy (CWCS). The Arkansas CWCS is a unique tool that represents all wildlife species, not just demand species, and I believe it represents an ideological shift to comprehensive management for ecosystem health.

Native ecological communities across the Southern Region are increasingly threatened by fragmented land ownership and development, disrupted natural disturbance regimes, and non-native invasive species. In response to these threats, conservation agencies and organizations have been devoting considerable resources to developing a consistent framework for conservation plans. These plans include the Ecoregional Conservation Plans of The Nature Conservancy, Physiographic Area Conservation Plans by Partners in Flight, Revised National Forest Land and Resource Management Plans, and Comprehensive Wildlife Conservation Strategies (CWCS) of State agencies.

The Arkansas Game and Fish Commission (AGFC) has demonstrated a high level of commitment to this effort by providing leadership in the CWCS initiative. As a result of partnership efforts, conservation targets, key factors, and measurable ecological indicators, have been developed for habitat relative to over 370 aquatic and terrestrial wildlife species. The AGFC Staff and key partners including the Arkansas Natural Heritage Commission, the Arkansas Chapter of the Nature Conservancy, the Audubon Society, Conservation Southeast, Inc., Natural Resource Conservation Service, USDA Cooperative Extension Service, USDI Fish and Wildlife Service, the Ouachita and Ozark-St. Francis National Forests, as well as many local academic scientific experts throughout the State, have cooperatively developed and populated this database.

The process and database developed through this partnership have spread beyond this original application and are currently being utilized in plan development and revisions in other national forests, as well as by other agencies. The Forest Services appreciates and commends the Arkansas Game and Fish Commission's dedication and commitment to the Comprehensive Wildlife Conservation Strategy. Together, all who have contributed have helped craft a balanced strategic plan appropriate to the times and the challenges in managing lands for the benefit of all.

Sincerely,

/s/ Alan G. Newman  
ALAN G. NEWMAN  
Forest Supervisor





The Department of  
**Arkansas  
Heritage**

Mike Huckabee, Governor  
Cathie Matthews, Director

Arkansas Arts Council

▪

Arkansas Historic  
Preservation Program

▪

Delta Cultural Center

▪

Historic Arkansas Museum

▪

Mosaic Templars  
Cultural Center

▪

Old State House Museum



Arkansas Natural  
Heritage Commission

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e-mail: [info@arkansasheritage.org](mailto:info@arkansasheritage.org)

website:

<http://naturalheritage.com>

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September 19, 2005

Scott Henderson  
Arkansas Game and Fish Commission  
2 Natural Resources Drive  
Little Rock, AR 72205

Dear Mr. Henderson,

The Arkansas Natural Heritage Commission would like to thank you for the opportunity to assist in the development of the Arkansas Comprehensive Wildlife Conservation Strategy. We appreciate the Arkansas Game and Fish Commission for providing the leadership for this extensive, cooperative vision for conserving the wildlife species in greatest need of conservation in Arkansas.

The Arkansas Natural Heritage Commission is committed to providing additional assistance as needed. We look forward to working with you and other partners in the execution of this important strategy.

Sincerely,

Tom Foti  
Research Chief



Heritage West  
201 East Markham Street  
Suite 450  
Little Rock, AR 72201  
Tel: 501-244-2229  
Fax: 501-244-2231  
[www.audubon.org](http://www.audubon.org)

September 21, 2005

Scott Henderson  
Director  
Arkansas Game and Fish Commission  
#2 Natural Resources Drive  
Little Rock, AR 72205

Dear Scott:

I am writing in support of the Comprehensive State Conservation Wildlife Strategy (CSCWS) program as implemented in Arkansas. The Arkansas CSCWS is making possible today a wildlife program that was only a dream two decades ago. With the exception of excellent hunting and fishing programs designed to manage game species, no intentional effort was made to study, to protect, and to manage non-game species, unless those species were listed as endangered or threatened by the U.S. Fish and Wildlife Service. The state conservation tax brought greater equity to wildlife management, but the State Wildlife Grants (SWG) available through the CSCWS has finally brought full equity for all animal species in the state.

Not only is the health of smallmouth populations closely watched, but now stream darters and mussels are accorded status and valued as indicators of aquatic habitat health. Not only are ducks and geese monitored, but raptors and warblers are counted each year with great interest and precision. Indeed, it feels like a new day has arrived in the Natural State.

In closing, I wish to call attention to the exceptional people you have gathered to guide the CSCWS program. John Sunderland, Doyle Shook, Jane Anderson, and David Goad are outstanding and a credit to the Arkansas Game and Fish Commission. I have total confidence in their management and administrative abilities.

I sincerely hope this program survives the budget axe in Washington, D.C. The future health of our nation depends on healthy ecosystems and a balance between the built and natural communities. The CSCWS helps to assure that balance. Thank you for this opportunity to write in support of the CSCWS.

Sincerely yours,

A handwritten signature in black ink that reads "Ken Smith". The signature is written in a cursive, slightly slanted style.

Kenneth L. Smith  
State Director

cc: John Sunderland  
Jane Anderson



September 26, 2005

Scott Henderson, Director  
Arkansas Game and Fish Commission  
2 Natural Resources Drive  
Little Rock, AR 72205

Dear Mr. Henderson:

The University of Arkansas Division of Agriculture Cooperative Extension Service was pleased to partner with Arkansas Game and Fish Commission to fulfill the requirements for public involvement as part of the Arkansas Comprehensive Wildlife Conservation Strategy (CWCS).

Our county Extension agents and specialists were engaged in facilitating the five regional meetings with farmers and private landowners held throughout the state. The input reported from the meetings, the website, and the statewide survey not only contributed to the CWCS plan, but also benefited our natural resource program. In our 2005 strategic plan, one objective was to aid citizens, farmers, and natural resource managers with understanding the complex of natural resource interests and management alternatives. The CWCS provided a perfect venue for addressing that need.

We look forward to continued opportunities to work with your agency in developing an informed constituency regarding our wildlife resources in Arkansas.

Sincerely,

A handwritten signature in black ink that reads 'Ivory W. Lyles'.

Dr. Ivory Lyles  
Associate Vice President of Agriculture  
Cooperative Extension Service  
University of Arkansas

Cc: Milo Shult, Tom Riley, Becky McPeake

*Arkansas  
is our  
campus*

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Little Rock, Arkansas 72203  
501-671-2000

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# Table of Contents

## Introduction

Letter from the Director .....	iv
Acknowledgments .....	vii
The Arkansas Game and Fish Commission .....	ix
Mission Statement	
Authorities and Funding	
Major Partners .....	x
Support Letters from Conservation Partners.....	xi
Table of Contents .....	xvi
Road Map to the Eight Elements .....	xxiii

## Section 1. Wildlife Action Plan .....

xxvii

Guiding Principles.....	xxviii
Implementing Arkansas' AWAP.....	xxviii
A Strategic Approach.....	xxx
Assemble information	
Generate implementation priorities	
Develop ten-year draft implementation schedule	
Science Teams prioritize implementation needs	
Steering Committee recommends annual action items	
Pre-proposals requested to meet annual action Items	
Implementation Team selects projects for funding	
Monitoring and Performance Measures .....	xxxii
Monitoring methodologies	
Short-term performance measures	
Long-term performance measures	
A Commitment to Revision in 2025 .....	xxxiv

## Section 2. Species of Greatest Conservation Need ..... 1

Identification and Prioritization .....	2
How the SGCN list was created	
Criteria for inclusion on the SGCN list	
Taxa Association Team contribution and review	
Revising the SGCN list	
Developing the species priority score protocol	
SGCN ranking by Species Priority Score (in taxa associations)	
Distribution .....	24
Element occurrence	
Ecoregions where the species occurs	
Habitats where the species occurs	
Terrestrial	
Aquatic	
Expert Assessments .....	39
Problems faced	
Research needs	
Conservation actions	
Monitoring strategy	
Comments and citations	
Species Reports	
Amphibians .....	44
Bird .....	123
Crayfish .....	289
Fish .....	362
Insects .....	534
Invertebrates - other .....	777
Mammals .....	888
Mussels .....	950
Reptiles .....	1079

## **Section 3. The Ecoregions of Arkansas ..... 1121**

Conservation Priority .....	1125
Ozark Highlands Ecoregion: .....	1126
Species of greatest conservation need	
Habitats that occur in the Ozark Highlands	
Problems faced by SGCN	
Conservation actions	
Boston Mountain Ecoregion: .....	1144
Species of greatest conservation need	
Habitats that occur in the Boston Mountains	
Problems faced by SGCN	
Conservation actions	
Arkansas Valley Ecoregion: .....	1159
Species of greatest conservation need	
Habitats that occur in the Arkansas Valley	
Problems faced by SGCN	
Conservation actions	
Ouachita Mountains Ecoregion: .....	1173
Species of greatest conservation need	
Habitats that occur in the Ouachita Mountains	
Problems faced by SGCN	
Conservation actions	
South Central Plains Ecoregion: .....	1188
Species of greatest conservation need	
Habitats that occur in the South Central Plains	
Problems faced by SGCN	
Conservation actions	
Mississippi Alluvial Plain Ecoregion: .....	1203
Species of greatest conservation need	
Habitats that occur in the Mississippi Alluvial Plain	
Problems faced by SGCN	
Conservation actions	
Mississippi Valley Loess Plains: .....	1222
Species of greatest conservation need	
Habitats that occur in the Mississippi Valley Loess Plains	
Problems faced by SGCN	
Conservation actions	

**Section 4. Terrestrial Habitats ..... 1231**

**Components of Reports ..... 1233**

- Definition ranking
- Key factors
- Indicators of condition
- Conservation actions
- Monitoring

**Terrestrial Habitat Reports ..... 1237**

- Caves, Mines, Sinkholes, and other Karst Features
- Crop Land
- Crowley’s Ridge Loess Slope Forest
- Cultivated Forest
- Herbaceous Wetland
- Interior Highlands Calcareous Glade and Barrens
- Interior Highlands Dry Acidic Glade and Barrens
- Lower Mississippi Alluvial Plain Grand Prairie
- Lower Mississippi Flatwoods Woodland and Forest
- Lower Mississippi River Bottomland Depression
- Lower Mississippi River Dune, Pond, Woodland and Forest
- Lower Mississippi River High Bottomland Forest
- Lower Mississippi River Low Bottomland Forest
- Lower Mississippi River Riparian Forest
- Mud Flats
- Ouachita Montane Oak Forest
- Ozark-Ouachita Cliff and Talus
- Ozark-Ouachita Dry Oak and Pine Woodland
- Ozark-Ouachita Dry-Mesic Oak Forest
- Ozark-Ouachita Forested Seep
- Ozark-Ouachita Large Floodplain
- Ozark-Ouachita Mesic Hardwood Forest
- Ozark-Ouachita Pine/Bluestem Woodland
- Ozark-Ouachita Pine-Oak Forest/Woodland
- Ozark-Ouachita Riparian
- Ozark-Ouachita Prairie and Woodland
- Pasture Land
- Ponds, Lakes, and Water Holes
- Urban/Suburban
- West Gulf Coastal Plain Calcareous Prairie and Woodland
- West Gulf Coastal Plain Large River Floodplain Forest

West Gulf Coastal Plain Pine-Hardwood Flatwoods  
 West Gulf Coastal Plain Pine-Hardwood Forest/Woodland  
 West Gulf Coastal Plain Red River Floodplain Forest  
 West Gulf Coastal Plain Sandhill Oak and Shortleaf  
 Pine Forest/Woodland  
 West Gulf Coastal Plain Seepage Swamp and Baygall  
 West Gulf Coastal Plain Small Stream/River Forest  
 West Gulf Coastal Plain Wet Hardwood Flatwoods

**Section 5. Aquatic Habitats ..... 1543**

Definition ..... 1544

Ranking ..... 1544

Ecobasins ..... 1545

Arkansas Valley - Arkansas River

Arkansas Valley - White River

Boston Mountains - Arkansas River

Boston Mountains - White River

Mississippi Alluvial Plain - Arkansas River

Mississippi Alluvial Plain - St. Francis River

Mississippi Alluvial Plain - White River

Mississippi Alluvial Plain (Bayou Bartholomew) - Ouachita River

Mississippi Alluvial Plain (Lake Chicot) - Mississippi River

Mississippi River Loess Plains - St. Francis River

Mississippi River Loess Plains - White River

Ouachita Mountains - Arkansas River

Ouachita Mountains - Ouachita River

Ouachita Mountains - Red River

Ozark Highlands - Arkansas River

Ozark Highlands - White River

South Central Plains - Ouachita River

South Central Plains - Red River

Aquatic Habitat Health .....1577

Indicators of Aquatic Condition ..... 1577

Dams in ecobasins

Roads in ecobasins

Roads within riparian zones

Road crossings in ecobasins

Forested areas in ecobasins	
Forested areas within riparian zones	
Ranking and Overall Condition .....	1583

## **Section 6. Informing and Engaging the Public.....1584**

Early Efforts .....	1585
Public involvement .....	1585
News releases .....	1586
Lincoln speaks in favor of conservation funding	
Lincoln champions state wildlife grant funding	
Congress gives boost to state’s wildlife programs	
Arkansas’ congressional leaders take a stand for state’s wildlife	
SWG brochure (early version)	
SWG website (early version)	
Reaching out to the scientific community .....	1599
Reaching out to the public .....	1604
Public opinion survey summary .....	1605
Informing and engaging .....	1607
Methods	
CWCS informational brochure	
Letter to leaders of organizations	
Informational mailing to landowners	
Invitation to stakeholder meeting	
Native American correspondence	
Stakeholder meetings .....	1619
Public opinion	
Continuing Efforts for Informing and Engaging the Public.....	1636
Engaging the Scientific Community.....	1636
Continued Representation by Partners	
Biennial AWAP Symposium	
Wildlife Arkansas Website	
Engaging the public.....	1637
Use of media	
2015 AWAP Revision Public Input	

## **Section 7. Climate Change in Arkansas.....1639**

Introduction.....	1640
Background.....	1640
Projected Changes for Arkansas.....	1641
Temperature	
Precipitation	
Potential Impacts to Habitats.....	1648
Terrestrial	
Aquatic	
Potential Impacts to Species.....	1649
Mammals	
Birds	
Reptiles	
Amphibians	
Fish	
Crayfish	
Mussels	
Insects and Invertebrates	
Adaptation Strategy.....	1652
References.....	1655

## **Section 8. Support Documents ..... 1657**

Appendix 1.1. Acronyms .....	1658
Appendix 2.1. List of SGCN .....	1659
Appendix 2.2. Potential Habitat: GIS Methodology .....	1669
Appendix 2.3. Crosswalk of Terrestrial Habitat Changes.....	1674
Appendix 3.1. Ozarks Ecoregional Assessment .....	1677
Appendix 3.2. Ouachita Mountains Ecoregional Assessment .....	1725
Appendix 3.3. Gulf Coastal Plain Ecoregional Assessment .....	1770
Appendix 4.1. Aquatic health and ecobasin condition: GIS Methodology.....	1825
Appendix 5.1. Public opinion survey .....	1826
Appendix 5.2. Stakeholder meeting presentation .....	1856
References and Literature Cited .....	1984

## Road Map to the Eight Elements

Congress identified eight required elements to be addressed in these wildlife conservation plans. Further, the plan must identify and focus on the “species in greatest need of conservation,” yet address the “full array of wildlife” and wildlife- related issues. They must provide and make use of:

- (1) Information on the distribution and abundance of species of wildlife, including low and declining populations as the State fish and wildlife agency deems appropriate, that are indicative of the diversity and health of the State’s wildlife; and,
- (2) Descriptions of locations and relative condition of key habitats and community types essential to conservation of species identified in (1); and,
- (3) Descriptions of problems which may adversely affect species identified in (1) or their habitats, and priority research and survey efforts needed to identify factors which may assist in restoration and improved conservation of these species and habitats; and,
- (4) Descriptions of conservation actions proposed to conserve the identified species and habitats and priorities for implementing such actions; and,
- (5) Proposed plans for monitoring species identified in (1) and their habitats, for monitoring the effectiveness of the conservation actions proposed in (4), and for adapting these conservation actions to respond appropriately to new information or changing conditions; and,
- (6) Descriptions of procedures to review the plan at intervals not to exceed ten years; and,
- (7) Plans for coordinating the development, implementation, review, and revision of the plan with Federal, State, and local agencies and Indian tribes that manage significant land and water areas within the State or administer programs that significantly affect the conservation of identified species and habitats.
- (8) Congress also affirmed through this legislation, that broad public participation is an essential element of developing and implementing these plans, the projects that are carried out while these plans are developed, and the Species in Greatest Need of Conservation that Congress has indicated such programs and projects are intended to emphasize.

The following section is a guide to how Arkansas addressed the eight required elements.



Element 1. Information on the distribution and abundance of species of wildlife, including low and declining populations as the State fish and wildlife agency deems appropriate, that are indicative of the diversity and health of the State’s wildlife;

**Locations:** The methodology of selecting, scoring and ranking **species that are indicative of the diversity and health of the State’s wildlife** is provided in Section 2. Species of Greatest Conservation Need on pages 2-8.

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Lists of SGCN presented by taxa group and ranked by Species Priority Score are provided in Section 2. Species of Greatest Conservation Need on pages 9-23.

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Each SGCN has an individual Species Report located on pages 44-1120. Refer to this for Species Priority Score. Species Priority Scores reflect the **abundance** and population trend of the SGCN.

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Refer to Species Reports on pages 44-1120 for occurrence data mapping for SGCN. Occurrence Maps are located on the first page of each Species Report. Occurrence data mapping reflects the **distribution** of the SGCN.

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Refer to Species Reports on pages 44-1120 for ecoregions, ecobasins, terrestrial and aquatic habitats associated with SGCN. The ecoregions and habitats associated with SGCN represent **distribution**.

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The entire list of SGCN is listed by Species Priority Score in Appendix 2.1 (pages 1659-1668).

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Element 2: Descriptions of locations and relative condition of key habitats and community types essential to conservation of species identified in (1);

**Locations:** Refer to Section 3. The Ecoregions of Arkansas on pages 1121-1230. Within each ecoregion description is an **ecoregion map, description, associated SGCN and associated habitats**. Ecoregions are ranked by conservation priority based on overall importance to SGCN.

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Section 4. Terrestrial Habitat, pages 1231-1542, has **descriptions, locations, key factors and indicators**, and, where available, **relative condition** of terrestrial habitats. Each terrestrial habitat is ranked according to its overall importance to SGCN associated with it.

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Section 5. Aquatic Habitats, pages 1543-1582, has **descriptions, maps and indicators of aquatic condition**. Each aquatic habitat is ranked according to its overall importance to SGCN associated with it.

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**Descriptions of relative condition** of key habitats and community types essential to conservation of species are discussed in Appendices 3.1, 3.2 and 3.3 (TNC’s Ecoregional Assessments), pages 1677-1824.

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Element 3: Descriptions of problems which may adversely affect species identified in (1) or their habitats, and priority research and survey efforts needed to identify factors which may assist in restoration and improved conservation of these species and habitats;

**Locations:** Refer to Section 2. Species of Greatest Conservation Need in the Species Reports, pages 44-1120, for data gaps or research needs associated with each SGCN. This is **research needed to identify factors which may assist in restoration and improved conservation of these species and habitats.**

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Refer to the Species Reports, pages 44-1120. Each Species Report lists **problems (threats and sources) which may adversely affect each SGCN.**

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Refer to Section 3. The Ecoregions of Arkansas, pages 1121-1230, for tables that summarize and rank the **problems faced.** Problems faced by SGCN are presented in each ecoregion section.

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Element 4: Descriptions of conservation actions proposed to conserve the identified species and habitats and priorities for implementing such actions;

**Locations:** Refer to the Species Reports, pages 44-1120. Each Species Report has a section which lists **conservation actions associated with each SGCN.**

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Refer to Section 3. The Ecoregions of Arkansas, pages 1121-1230, **Conservation Actions** ranked to provide guidance for prioritizing the implementation of such actions. Each ecoregion has a list of Conservation Action categories associated with it.

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Element 5: Proposed plans for monitoring species identified in (1) and their habitats, for monitoring the effectiveness of the conservation actions proposed in (4), and for adapting these conservation actions to respond appropriately to new information or changing conditions;

**Locations:** Refer to Section 1. **Wildlife Action Plan** on pages xxivi - xxxi.

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Refer to Section 2. Species Reports, pages 44-1120, for a list of **species-specific monitoring actions.**

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Refer to Section 4. Terrestrial Habitats, page 1236, for **monitoring associated with conservation actions.**

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Refer to Section 5. Aquatic Habitat, page 1577, for **monitoring associated with conservation actions.**

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Element 6: Descriptions of procedures to review the plan at intervals not to exceed ten years;

**Location:** Refer to Section 1. **Wildlife Action Plan**, page xxxiv.

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Element 7: Plans for coordinating the development, implementation, review, and revision of the plan with Federal, State, and local agencies and Indian tribes that manage significant land and water areas within the State or administer programs that significantly affect the conservation of identified species and habitats.

**Location:** Refer to “Major partners,” page viii for a discussion of teams and partnerships involved in producing the AWAP.

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Refer to Section 6. Informing and engaging the public on pages 1636-1637 for description of website.

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Refer to Section 6. Reaching out to the scientific community, pages 1599-1603; 1636.

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Refer to Section 6. Native American contact, page 1629.

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Element 8: Congress also affirmed through this legislation, that broad public participation is an essential element of developing and implementing these plans, the projects that are carried out while these plans are developed, and the Species in Greatest Need of Conservation that Congress has indicated such programs and projects are intended to emphasize.

**Location:** Section 6. Informing and engaging the public (pages 1584-1638) documents outreach and public participation.

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