

**Arkansas's 3rd Statewide Forum on Forestry and Drinking Water
Focus on Action**

**The Lodge at Mt. Magazine
Mt. Magazine State Park, AR
November 4 and 5, 2019**

**Final Report
Nov. 14, 2019**

Arkansas' Forest and Drinking Water Steering Committee hosted the third Statewide Forum on Forestry and Drinking Water on November 4 and 5, 2019 at the Lodge on Mt. Magazine. Seventy-one professionals came together for a day and a half of learning, networking and brainstorming regarding how to advance the groups vision of "Healthy Managed Forests and Clean Drinking Water". Participants in the forum included private forest landowners, forest industry professionals, drinking water utility managers and staff, conservation organizations, state and federal foresters, and state natural resource management agency personnel. The goals of the forum were to:

- Help forestry, water utility, conservation group and agency personnel understand how the 2018 Farm Bill can advance source water protection,
- Help forestry, water utility, conservation group and agency personnel understand the Arkansas' updated Forest Action Plan and how it can guide their conservation and source water efforts,
- Help local watershed to develop forestry and water partnerships, promote their efforts and secure funding.

Background and History of the Arkansas' Statewide Forests and Drinking Water Forums

The Arkansas Forests and Drinking Water Collaborative was developed as part of a Landscape Scale Restoration Grant from the U.S. Forest Service to support the Southeastern Partnership for Forests and Water (SE Partnership). The SE Partnership was established in 2014 to ensure healthy Southeastern forested watersheds that provide safe, reliable drinking water through strong partnerships, collaboration, funding, and action.

The goals of the Partnership are to:

- Help maintain or expand healthy forests in drinking water watersheds
- Initiate and develop working relationships between state and local agencies, Rural Water Associations, forestry interests and conservation groups
- Identify watersheds and initiatives that have high potential for cooperative forest conservation, sound management and restoration
- Explore pilot projects to implement creative watershed protection strategies such as Payment for Watershed Services and forestry best management practices, demonstrating the interdependence of healthy forests and drinking water.

An early effort of the SE Partnership was to host forums in each of the participating states to stimulate discussion and networking between the forestry, water and conservation sectors, and identify priority watersheds for further collaboration. Arkansas's 1st Forum on Forestry and Drinking Water was held at Camp Mitchell on Petit Jean Mountain in May of 2015. Forty-five stakeholders participated, and presentations were made by each of the sectors regarding the needs and opportunities provided by their sectors. It was agreed at that forum that the effort was worth continuing and that we should keep the dialogue alive. An immediate outcome of the first forum was that the Arkansas Forestry Commission (now the Arkansas Department of Agriculture, Forestry Division) applied for and received a Landscape Scale Restoration (LSR) Grant in the amount of \$123,970 from the U.S. Forest Service to continue partnership building between the forest, drinking water and conservation sectors. The Forestry Commission sub-contracted the LSR grant to the US Endowment for Forestry and Communities for implementation. The Endowment then convened a steering committee to provide guidance for implementation of the LSR grant. That steering committee eventually became the Arkansas Forests and Drinking Water Collaborative (the Collaborative). Today 28 partnering organizations participate in the Collaborative which meets on a roughly semi-annual basis.

Arkansas' 2nd Biennial Statewide Forum on Forestry and Drinking Water was a product of the Collaborative and a follow up to the 1st Arkansas Forum on Forest and Drinking Water. The second forum was conducted Nov. 7 and 8, 2019 at the Lodge at DeGray State Park near Bismark, AR. Sixty-five water, forestry and conservation professionals attended. In addition to support from the LSR grant, the second forum was also supported by the local sponsors.

At the 2nd forum, attendees focused on nutrient and sedimentation issues related to drinking water and forestry practices. Action plans were developed for Northwest Arkansas, Central Arkansas, Southwest Arkansas and groundwater areas. There was also a tour of forest management practices provided by the Molpus Woodlands Group who owned land in the vicinity. At a meeting of the Collaborative after the 2nd forum, it was agreed that the forums were a valuable component of the Forestry and Drinking Water program and that they should be continued on a biennial basis.

Arkansas' 3rd. Statewide Forum on Forestry and Drinking Water

Planning for the 3rd statewide forum started during the fall of 2018 when a planning committee was established by the Collaborative. This committee was responsible for all physical, fiscal and programmatic arrangements necessary for conducting the forum. Members of the planning committee included:

- Chandler Barton – Forestry Division
- John Beasley – Forestry Division
- Max Braswell – Arkansas Forestry Association
- Tyler Couch – Arkansas Department of Health
- Kyle Cunningham – University of Arkansas Division of Agriculture
- Raven Lawson – Central Arkansas Water
- James McCarty – Beaver Water District
- Richard Monk – US Forest Service, Ozark National Forest
- Bob Morgan – Collaborative Coordinator

- Darcia Routh – Arkansas Department of Health
- Darren Spinks – Forestry Division
- John Pennington - University of Arkansas Division of Agriculture

At the initial meeting of the planning committee it was decided to focus on aspects of the 2018 Farm Bill and Arkansas update of its Forest Action Plan since both were relevant to the goals of the Collaborative and attendees would need to know about changes to realize the full potential of the programs. It was also decided to work to allow individuals to make action items for their watersheds instead of trying to advance more statewide actions.

The selection of the venue for the forum was based on proposals from potential venues in North Central and West Central Arkansas. The Red Apple Inn, Arkansas Folk Center, the Fred Berry Conservation Education Center and the Lodge on Mt. Magazine. All of these are relatively remote locations which is conducive to evening networking activities. Mt. Magazine was chosen because of the ability to house approximately 65 participants on-site and the capacity of their conference center. The other sites either did not have adequate housing, or their conference facility was less desirable. Mt. Magazine could provide adequate rooms for the expected attendance at the government rate of \$94 per night. They also provide conference facilities at no cost if a minimum of 41 rooms are reserved. Mt. Magazine is in West Central Arkansas within the Ozark National Forest and also near the Ouachita National Forest. Most surface water sources in Arkansas originate in one or the other of these forests or the surrounding countryside.

The planning committee decided that the format for the forum would be a series of panel discussions and workshops. Our goal was to promote interaction between attendees and sector leaders so that attendees could get their specific questions answered. Panels were to include:

- The 2018 Farm Bill
- Arkansas' Updated Forest Action Plan
- Local Case Studies

The panelists recruited for the discussion for the Farm Bill were:

- Adam Carpenter, PhD, from the American Water Works Association's Water Policy and Leadership department in Washington DC,
- Michael Sullivan, PE, Arkansas State Conservationists, Natural Resources Conservation Service
- Ryan Deiner, Executive Director Arkansas Pheasants Forever and Quail Forever.

Raven Lawson from Central Arkansas Water moderated the session. Each panelist was given 10 minutes to present their perspective on the Farm Bill then the floor was open to discussion for the next 45 minutes.

For Arkansas' Updated Forest Action Plan the panelists were:

- Doug Zollner, The Nature Conservancy and head author of the update to the Forest Action Plan
- Joe Fox, Forestry Division, Arkansas State Forester

- Scott Meek, Green Bay Packaging and representative of Arkansas' Sustainable Forestry Initiative's Implementation Committee.

Max Braswell, Ex. Director of the Arkansas Forestry Association moderated the session. The format was the same as for the Farm Bill panel.

The case studies session was slightly different. Panelists were given up to 20 minutes for presentation, then discussion was allowed until time expired for the session. The panelists were:

- Canton Ford, Faulkner County Conservation District – watershed protection efforts in the Lake Brewer and Point Remove watersheds. This effort provides source water protection for the City of Conway's water supply. The water purveyor, Conway Corp. is actively involved in the effort.
- Marson Nance, Northwest Arkansas Land Trust. Marson works with USDA programs and water utilities in the Beaver and Illinois River watersheds in Northwest Arkansas to secure open space that protects water resources.
- Brandon Nelson, Waldron Water Utilities. Waldron is a water utility in the Ouachita mountains that is actively working with NRCS and the Forest Service to provide protection of their source of drinking water.

Chandler Barton from the Forestry Division moderated the session.

Following the afternoon sessions, there was a networking reception at the lodge followed by dinner. After dinner, Steve Patterson, PhD provided a presentation on the travels of Thomas Nuttall who explored Central Arkansas and Eastern Oklahoma during the year 1819. The presentation showed how the environment of the region has changed during the last 200 years. Especially relevant to the forum how the forest has been allowed to become excessively dense over the last 200 years due to lack of management and fire prevention.

Day two of the forum started with a tour of the Clarksville, Arkansas Water Treatment Plant followed by concurrent workshops on Partnership Building at the Local Level, Outreach to Forest Landowners and Finding and Securing Funds. Clarksville's water plant, at a capacity of 16 Million Gallons per Day is a moderately sized plant by Arkansas standards. The plant is also well known for its excellent management and progressive thinking. Many of the attendees at the forum had not previously visited a working water plant. Interest of the attendees was high.

The Partnering workshop was led by Bob Morgan and Debbie Moreland, Executive Director of the Arkansas Association of Conservation Districts. The focus of the workshop was the need to develop local partnerships to achieve sustainable resource protection while not reinventing the wheel, and what state and federal programs in Arkansas might be useful along with who the contacts for those programs.

The Outreach workshop was led by Raven Lawson from Central Arkansas Water and Canton Ford from The Faulkner County Conservation District. Their session utilized lessons learned from the Tools for Engaging Landowners Effectively workshop held in Arkansas during the winter of 2018.

John Pennington from the U of A Division of Agriculture and Kitty Weismann from the SE Partnership led the Funding workshop. They focused on potential sustainable source of funding from utilities and other sources along with seeking an securing grant funding from agencies and foundations.

The planning committee also elected to charge a \$20 registration fee for the 2019 forum. This was a departure from previously forums that were provided to attendees at no cost other than lodging. The \$20 did not have an impact on attendance. Provision was made for up to 10 scholarships to be provided including registration and room for prospective attendees with monetary restrictions. The scholarships were on a first come first served basis. Five scholarships were requested. However, 3 of the 5 had to cancel because of other reasons.

Pre-forum survey: The online registration included a survey asking registrants to rank four statements in order of priority. Figure 1 provides the statements and response rate.

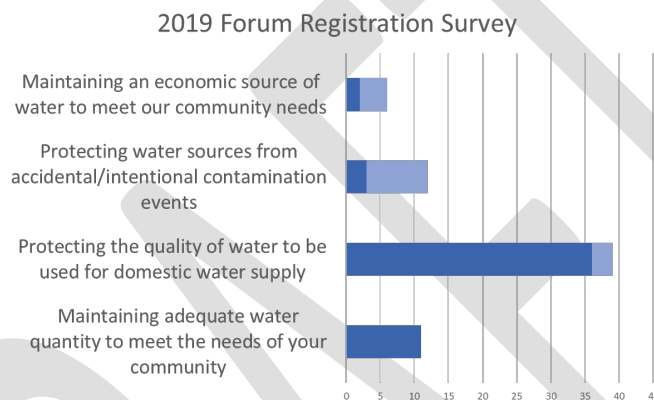


Figure 1: Pre-forum survey regarding priority issues for attendance. Dark blue represents 1st priority and lighter blue 2nd priority.

Protecting the quality of water to be used for domestic water supply was the top priority for over half of the registrants. This likely reflects a bias of those attending toward water quality.

Post-forum survey: A second survey was given to the attendees at the closing session regarding their opinion of how the Collaborative could help their local efforts over the next few years. The results are given in figure 2.

| Question: How can the AR Forests and Water Collaborative Help in Your Watershed? | | | | | | | |
|--|-------|----------|--|--|--|--|-------|
| 31 responses | | | | | | | |
| Rank | Score | Average | Item | | | | No. 1 |
| 1 | 80 | 2.580645 | Conduct forest management demonstrations | | | | 3 |
| 2 | 82 | 2.645161 | Provide funding for organizing local partnerships | | | | 11 |
| 3 | 94 | 3.032258 | Provide educational materials regarding forests and water | | | | 4 |
| 4 | 96 | 3.096774 | Provide funding to assist with forestry management workshops | | | | 4 |
| 5 | 103 | 3.322581 | Make informational Presentations to local groups | | | | 4 |
| 6 | 132 | 4.258065 | Distribute a quarterly newsletter to interested parties | | | | 4 |

Figure 2; responses to the question, "How can the AR Forest and Water Collaborative Help in Your Watershed. Each participant ranked the responses from 1 to 6 with 1 being the highest priority and 6 the lowest. The lowest total score is the top-ranking response.

“Conduct forest management demonstrations” was the highest ranked response. However, “Provide funding for organizing local partnerships” received more number 1 votes than any other response. These results can be used to help the Collaborative develop projects to implement over the next two years.

At the closing session, there was also agreement that the Collaborative should continue to hold forums at two-year intervals. This schedule provides for incorporation of new material as new hot topics arise.

Arkansas’ 3rd. Statewide Forum on Forestry and Drinking Water Next Steps and Follow Up

Arkansas’ 3rd Statewide forum was made possible by a \$50,000 Landscape Scale Restoration Grant from the U.S. Forest Service. However only a small portion of the grant was used to conduct the forum. The remainder will be available to the Collaborative through September 2021. Additional funding is needed to fully provide for the actions of the collaborative.

Dr. Bob Morgan, currently the Coordinator for the Collaborative, will not be renewing his contract after the end of 2019. A new coordinator will need to be found and a contract developed. Additional funding will help by allowing the new contractor to spend more time with the collaborative and direct resources where they may be useful.

The Collaborative will continue to meet on a regular basis to provide a venue for information sharing and program development among the partners.

The Collaborative will continue to work with local watershed organizations, forestry groups and utilities to help with organization and outreach.

The Collaborative will continue to work with watershed and utility partners to continue exploration of water funds and other funding mechanisms to make keeping forests as forests and protecting drinking water sources sustainable.

The Arkansas Collaborative will continue to recruit new members from watershed groups, utilities and non-profit conservation organizations.

The Arkansas Collaborative will continue to share information regarding protection of forests and drinking water through its website, videos, publications and in-person communication. This effort will include delivery of a set of videos recently developed by the Southeastern Partnership regarding Forestry and Source Water Protection

(https://www.youtube.com/watch?v=gj3Tw33OwHY&list=PLjo3SljzmracxvVEeyBlm_pBcXLhxLP50)

These videos are well suited for use in public meetings and training events. Additional material needs to be developed for use by local watershed organizations in their outreach efforts.

Program
Arkansas' 3rd. Statewide Forum on Forest and Drinking Water
Focus on Action
November 4 and 5, 2019
The Lodge at Mount Magazine, Mt. Magazine State Park

Monday, November 4, 2019

| Time | Topic | Presenters |
|-------------------|---|--|
| 1:00 PM – 1:15 PM | Welcome and Introduction | Bob Morgan |
| 1:15 PM – 2:15 PM | Panel Discussion, Opportunities from the 2018 Farm Bill | Mike Sullivan, NRCS Adam Carpenter, AWWA Ryan Diener, Quail Forever Moderator: Raven Lawson |
| 2:15 PM – 2:45 PM | Break | |
| 3:00 PM – 4:00 PM | Panel Discussion, Update to Arkansas' Forest Action Plan | Doug Zollner, TNC Joe Fox, AFC Scott Meek Moderator: Max Braswell |
| 4:00 PM – 5:00 PM | Case Studies, Collaboration with Agriculture <ul style="list-style-type: none"> Waldron Arkansas Water Utilities Faulkner County Conservation District Northwest Arkansas Land Trust | Brandon Nelson, Canton Ford Marson Nance Moderator: Chandler Barton |
| 5:30 PM – 6:30 PM | Networking Social | |
| 6:30 PM – 8:00 PM | Dinner and Program (The Travels of Thomas Nuttall) | Steve Patterson, PhD |

Tuesday, November 5, 2019

| Time | Topic | Presenters |
|---------------------|--|------------------------------------|
| 7:00 AM – 8:00 AM | Breakfast on your own | |
| 8:00 AM | Load busses for Clarksville Water Treatment Plant Tour | |
| 8:45 – 11:45 | Clarksville WTP tour | John Lester, Clarksville Utilities |
| 11:45 AM – 12:30 PM | Lunch @ Mt. Magazine Lodge | |
| 12:30 PM – 1:00 PM | Introduction to Workshops | Bob Morgan |
| 1:00 PM – 3:00 PM | Workshop 1: Getting out the Message | Raven Lawson Canton Ford |
| 1:00 PM – 3:00 PM | Workshop 2: Building the Partnership | Bob Morgan Debbie Moreland |
| 1:00 PM – 3:00 PM | Workshop 3: Find and Securing Funding | John Pennington |
| 3:00 PM – 3:15 PM | Break | |
| 3:15 PM – 4:00 PM | Reporting and Wrap up | Bob Morgan |

Attendees:

| First Name: | Last Name: | Email Address: | Cell Phone: | Job Title: | Company: |
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| Adam | Carpenter | acarpenter@awwa.org | 703-957-8823 | Manager of Energy and Environmental Policy | American Water Works Association |
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| | | | | | |
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