

Photos provided Darrell Bowman



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ASSOCIATION

MAY 12, 2022, 12:00pm EDT - 2:00pm EDT

State Natural Areas Program Roundtable

Flowing Naturally: Restoring stream connectivity through barrier removal with local, regional, and national partnerships

Darrell Bowman, Assistant Chief of Fisheries Management Programs, Arkansas Game and Fish Commission
Kat Hoenke, GIS Coordinator, Southeast Aquatic Resources Partnership

Description:

Man-made stream barriers such as low-head dams and culvert road crossings are detrimental to stream ecology in a multitude of ways and are a concern to natural resource managers, biologists, and ecologists. This interest extends to fish and other aquatic organism passage and movement, aquatic organism population genetics, sediment transport, streambank erosion, water quality / limnology, Etc. Streams being linear systems; streams flowing through natural areas can be significantly impacted by barriers and by barriers upstream or downstream of natural areas. Therefore, natural area managers should be aware and supportive of barrier removal projects that restore the stream system connectivity, regardless of the actual location of the barrier.

This discussion will demonstrate how stream barriers can be inventoried, prioritized, and removed. Examples and discussion will include national perspectives and examples including some western states, the Southeastern US, and specifically, Arkansas. Programs and projects discussed will be from the Southeast Aquatic Resource Partnership (SARP) and the Arkansas Stream Heritage Partnership, the Arkansas stream connectivity team in the SARP connectivity program.

Cost:

NAA Members: \$0

Nonmembers: \$30

Register

Questions or suggestions? Contact us at info@naturalareas.org

AGENDA

All listed times in Eastern Daylight Time (EDT)

Time (EST)	Session
12:00 pm - 12:10 pm	Welcome and Introductions
12:10 pm – 1:10 pm	Flowing Naturally: Restoring stream connectivity through barrier removal with local, regional, and national partnerships <ul style="list-style-type: none">• Darrell Bowman, Assistant Chief of Fisheries Management Programs, Arkansas Game and Fish Commission• Kat Hoenke, GIS Coordinator, Southeast Aquatic Resources Partnership
1:10 pm - 2:00 pm	Stewardship Shorts and Open Discussion <p>Participants are invited to unmute to share ideas, techniques & methodologies, articulate issues, and challenges, and invite suggestions and insights from your peers.</p> <p><u>The opportunity to submit must be approved in advance. Indicate your interest when you register for the Roundtable. Submissions due May 9, 2022.</u></p>
2:00 pm	Conclusion

CALL FOR STEWARDSHIP SHORTS

Stewardship Shorts are 5-minute, pre-recorded videos related to the topic that describe a project, methodology, best practice, or challenge. There will be five minutes allotted for Q&A and Discussion following each video.

[Stewardship Short Guidelines](#) (PDF)

State natural areas professionals are invited to submit short presentations to share with their colleagues. Stewardship Shorts are 5-minute, pre-recorded videos related to the topic that describe a project, methodology, best practice, or challenge.

[Click here](#) to view a sample Stewardship Short.

The opportunity to submit must be approved in advance. Indicate your interest when you register for the Roundtable.

Submissions due by May 9, 2022.

Questions or suggestions? Contact us at info@naturalareas.org

PRESENTERS



Darrell Bowman

Assistant Chief of Fisheries Management Programs, Arkansas Game and Fish Commission
Vice Chair, Natural Areas Association Board of Directors

SPEAKER BIO

Darrell Bowman is Assistant Chief of Fisheries Management at the Arkansas Game and Fish Commission overseeing statewide fisheries programs. Darrell's professional history includes positions with the Arkansas Natural Heritage Commission (ANHC), Virginia Department of Game and Inland Fisheries, and the private sector. He is a member of the American Fisheries Society and has served several leadership positions with the Arkansas Chapter of that national organization. Darrell earned a B.S. Degree in Fisheries and Wildlife Management from Arkansas Tech University in Russellville, Arkansas, and a M.S. Degree in Zoology from University of Arkansas in Fayetteville, Arkansas.



Kat Hoenke

GIS Coordinator, Southeast Aquatic Resources Partnership

SPEAKER BIO

Kat Hoenke earned her BS in Wildlife Conservation at the University of Delaware and recently received her Masters of Environmental Management (MEM) degree at Duke University's Nicholas School of the Environment in 2012. Kat is currently working with SARP on a variety of tasks, including managing the dam database for the Southeast Aquatic Connectivity Assessment Project (SEACAP), managing the SEACAP program, providing GIS services for a variety of projects including the Shoal Bass Threats Assessment and updating aspects of the SARP website and projects database.

STATE NATURAL AREAS PROGRAMS (SNAP)

State Natural Areas Programs were among the first entities to protect natural areas in North America. Almost 50 years ago, these programs came together and addressed a need for a unifying voice and community where practitioners and academics could share information, techniques, methodologies, good science, and even moral support. Hence the formation of NAA. Since those days, our community has grown to include other natural areas professionals that work at the federal, regional, and non-profit level.

Future 2022 Meeting dates:

- September 6-9 - In-Person Annual State Reports Roundtable, NAC22 Duluth,
- November 17 - Virtual Roundtable

If you would like to register for notifications regarding future SNAP meetings, click [here](#).

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