

• 64 types of terrestrial ecosystems

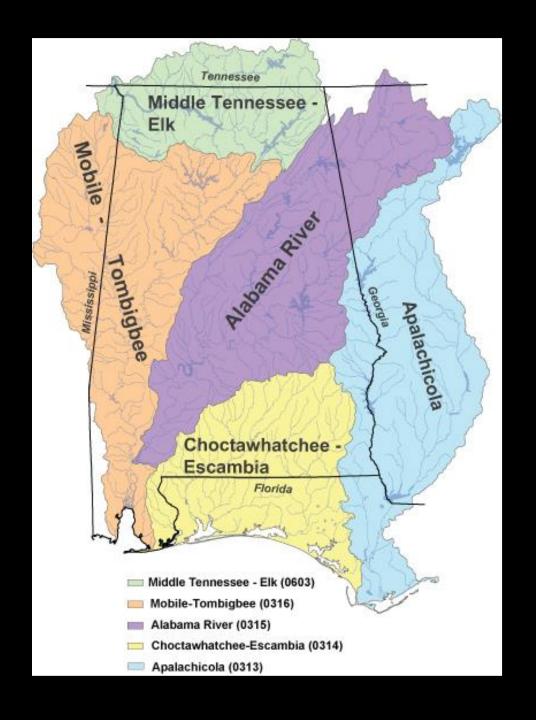
25 forests and woodlands

11 wetlands

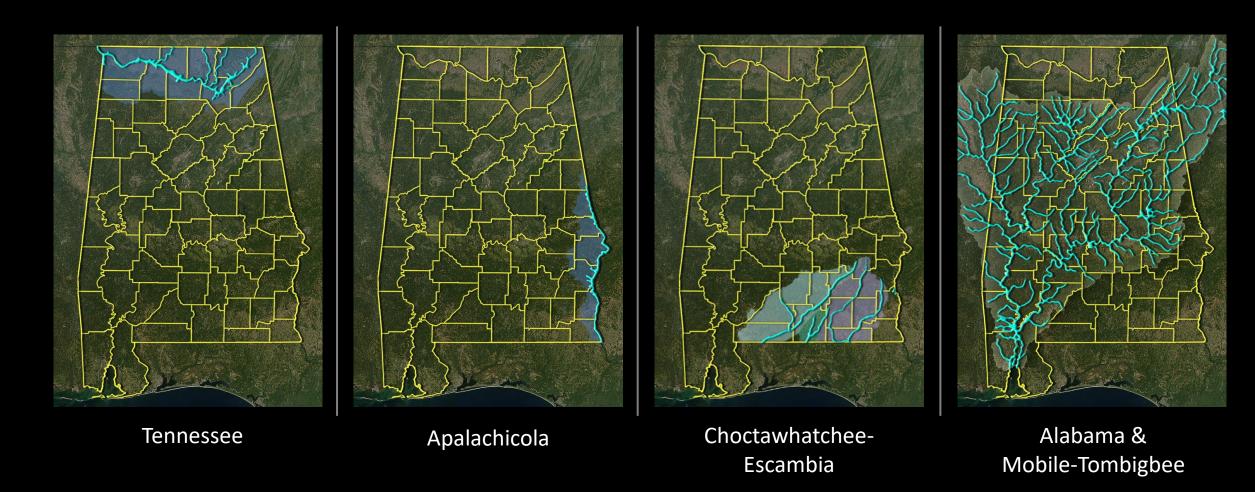
7 glades and prairies

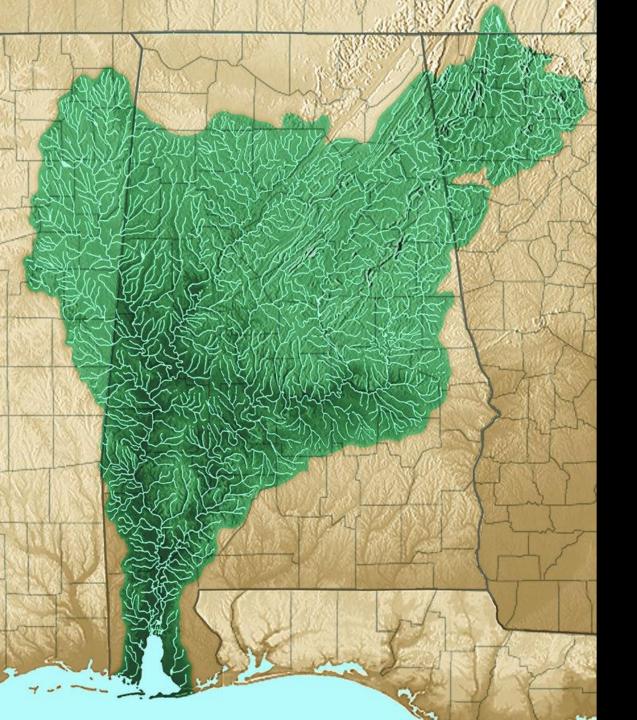
More than 132,000 miles of rivers and streams

Several dozen marine ecosystems



10% of freshwater in the US begins and/or flows through Alabama





The Greater Mobile Basin

Alabama River and Mobile-Tombigbee River Basin

Drains parts of Tennessee, Georgia, Mississippi

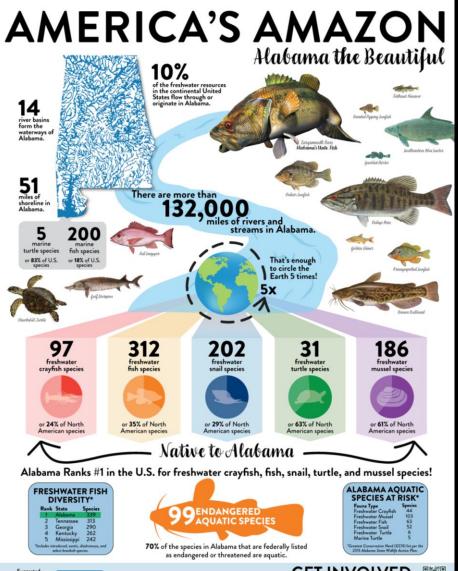
65% of land area for the state of Alabama

6th largest basin in the US based on size

4th largest basin in the US based on discharge

Mobile-Tensaw River Delta

The most biodiverse watershed in the United States and in some cases, the world!







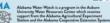






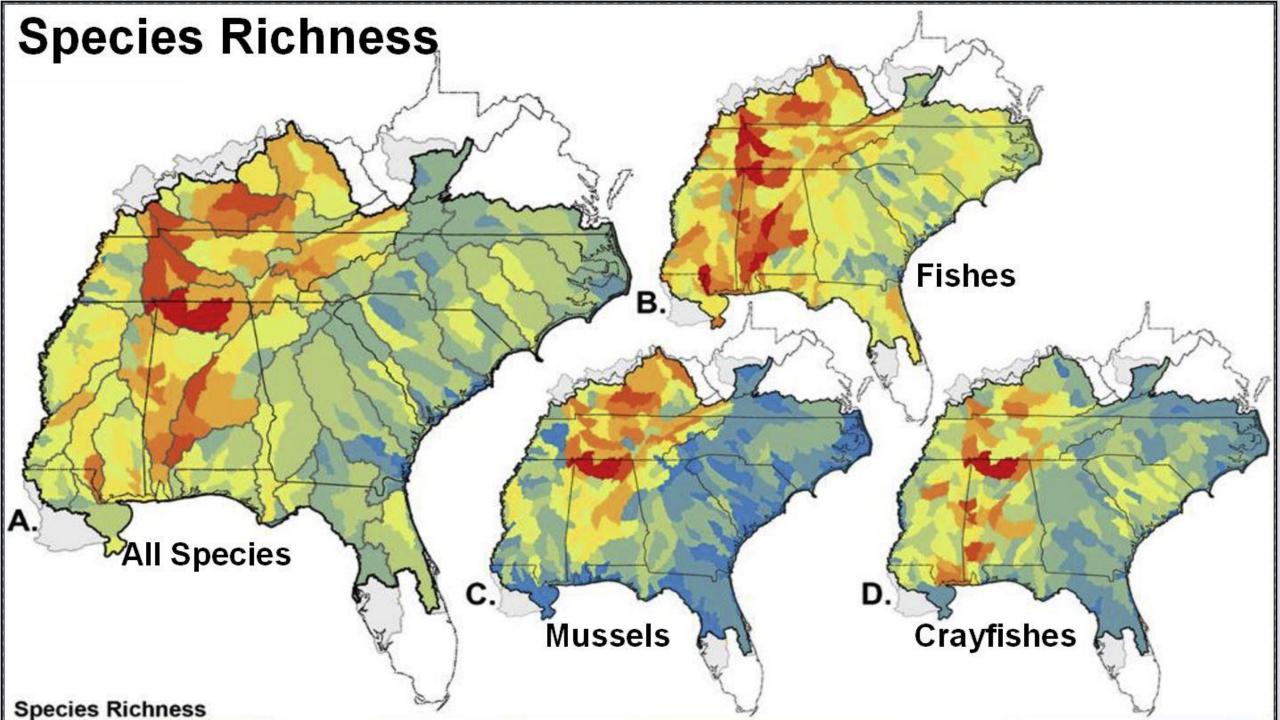












Plant Diversity







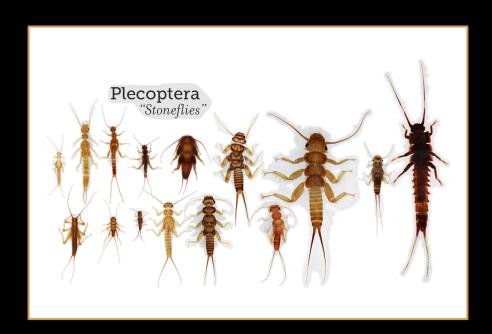








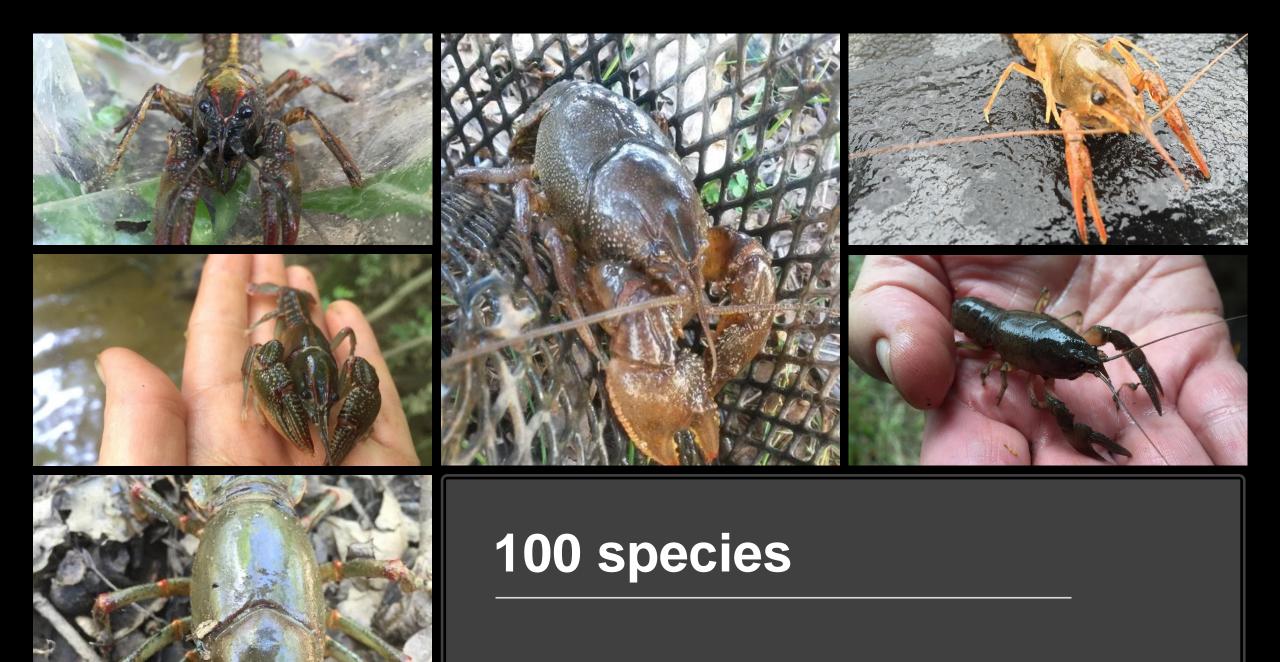








Macroinvertebrates







200 marine fish species

339 freshwater fish species

539 species



312 endemic
freshwater fish species











AMPHIBIANS OF ALABAMA



73 species

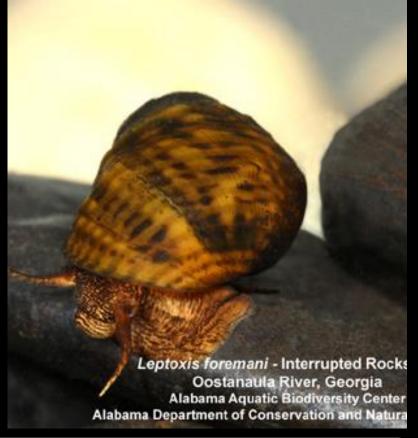


30 species of frogs 43 species of salamanders











203 species





31 species

Other species of reptiles:

Lizards = 12

Snakes = 49



Alligator = 1 (but do we really want more?)



Wake Up Call

Greatest single mass extinction event in North American history 40 freshwater species lost

2nd in the nation for number of taxa

lost to extinction

4th in number of at-risk taxa





What's At Risk

Alabama Aquatic Species at Risk

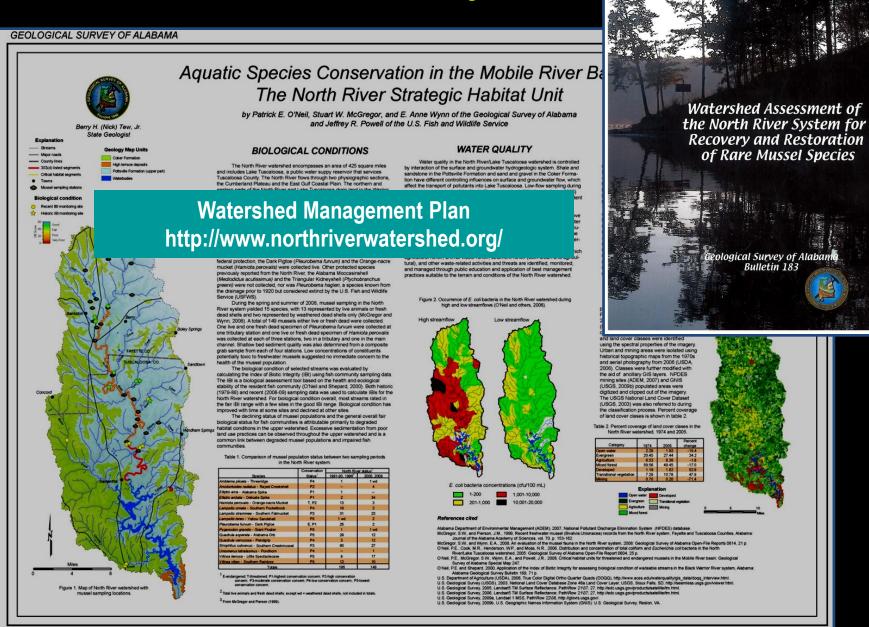
•	Craytish	44
•	Mussels	10
•	Freshwater Fish	63
•	Freshwater Snails	52
•	Aquatic Turtles	6
•	Marine Turtles	5



70% of federally listed endangered or threatened species in Alabama are aquatic



North River SHU Project





North River SHU Sediment Pits

45 basins have been installed since 2011 in Fayette and Tuscaloosa Counties

TOTAL Measurable Sediment Reduction = **500 tons**





Recognizing the Economics



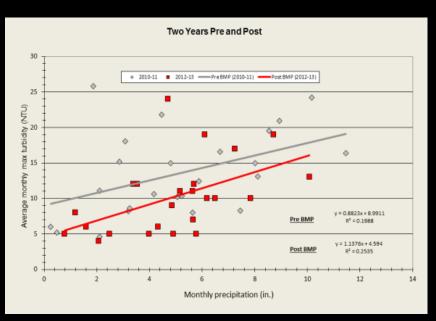
Photo credits to Dr. Guenter Schuster (Eastern Kentucky
University - retired)

- In 2010 and 2012, the Alabama Field Office funded 2 studies to assess the populations of 6 crayfishes from the CBD megapetition list found in AL
- Based on the results, CBD has withdrawn 6 crayfishes from the petition (along with several freshwater snails)
- Combined, the 2 studies cost \$50,000
- Savings of ~\$800K by this early action and working with partners

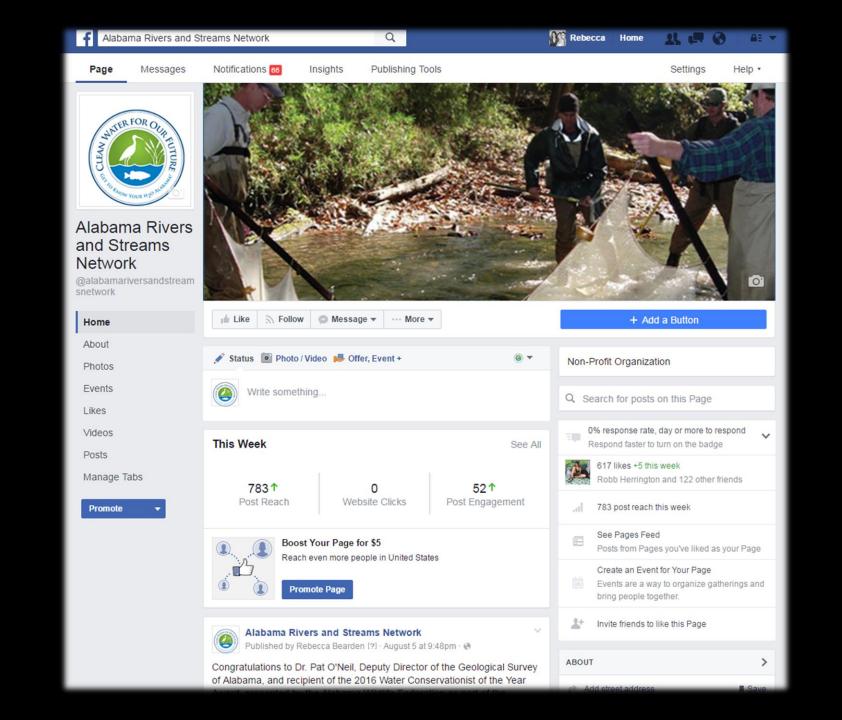
Ecosystem services

- Since 2011, 45+ sediment pits installed in the North River watershed
- Reduced turbidity in drinking water source
- Saved the Town of Berry
 ~\$20K/year in chemical costs

Town of Berry, Alabama









ABOUT US

RIVERS AND CRITTERS

RESOURCES

HOW TO GET INVOLVED

ALABAMA RIVERS AND STREAMS NETWORK

BROWSE BY TOPIC

Mission Statement

Interactive Map

Strategic Habitat Units

Educational Materials

Success Stories

Why It Matters

In The News

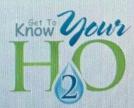


WATER IS AN IMPORTANT PART OF OUR LIVES

Let's Admit it...nothing is as refreshing as a glass of cool water on a hot Alabama day. Although most of us don't think about where our water comes from, we expect it to be clean and safe for ourselves and our families.

Doing YOUR part to help keep our water clean and safe is easier than you might think. If each person does their part, we can make a huge difference...one person and one drop at a time.

Still unsure? See how water affects our jobs, our economy, our health, our real estate prices, and



IN THE NEWS

Conservationists from across the nation attend a SHU-focused watershed restoration class in Shepherdstown, WV

The Terrapin Creek Strategic Habitat Unit was the focus of the 2019 Restoration Policy. Planning, and Partnering course...

Southeast Aquatics Fund to help conservation, species protection in north-central Alabama

Alabama Rivers and Streams Network



Why the SHU Process works

Working together in a non-adversarial manner (i.e., "Conservation without Conflict") by growing relationships- based on trust, transparency, humility, and ALWAYS searching for common ground and solutions