

Partnering for Protection:

How Aquatic Species and Water Quality Benefit from a Multidisciplinary Approach to Conservation



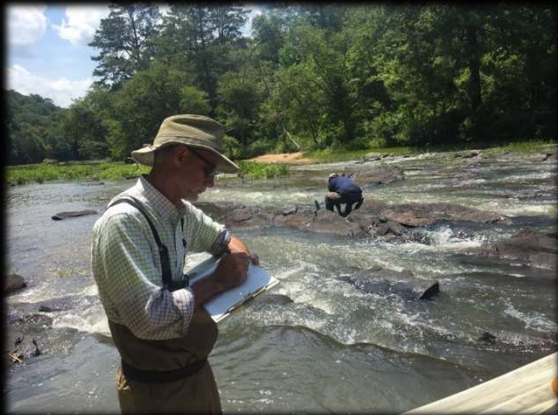
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GSA Toolkit



- Partnerships
- Faunal surveys
- Habitat assessments
- Water quality surveys
- Knowledge base
 - Biology
 - Hydrology
 - Hydrogeology
 - Water chemistry
 - Fluvial geomorphology
 - Restoration ecology
 - Outreach/communications



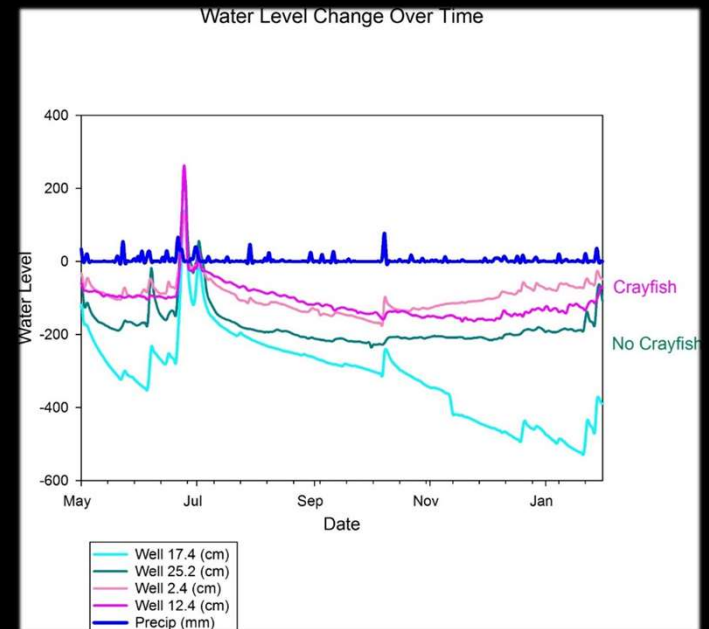
Ongoing Projects

- Redstone Arsenal (DOD)
 - Alabama Cave Shrimp
 - Tuscumbia Darter source water protection
- Trispot Darter (CAWACO)
 - eDNA sampling--working with University of West Alabama
 - Traditional surveys
- Watercress Darter (USFWS)
- Locust Fork (NFWF with TNC)
 - Water quality and GIS land use analysis
- Black Warrior River Mollusk Survey (ADCNR)
- Butler Creek (Shoal Creek trib) Fish Sampling/Report
 - University of North Alabama
- Road Crossings
- Fish Surveys



Bogue Chitto Creek Watershed Assessment

- WQ for surface water and shallow groundwater
- IBIs
- Habitat surveys
- Crayfish surveys
- Groundwater flow patterns
- Sediment data
- Burrowing crayfish behavior study
- Burrowing crayfish habitat preference study

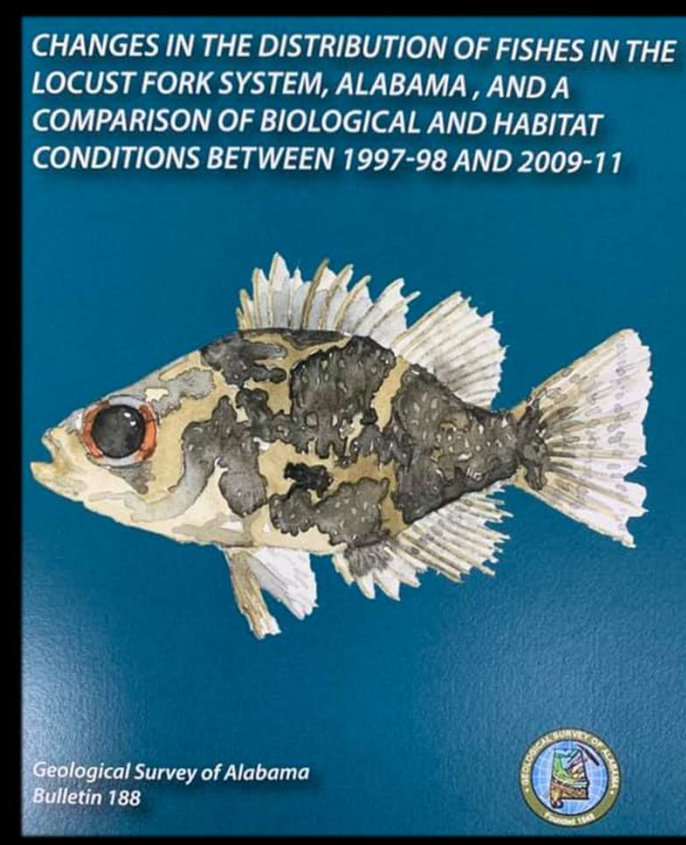
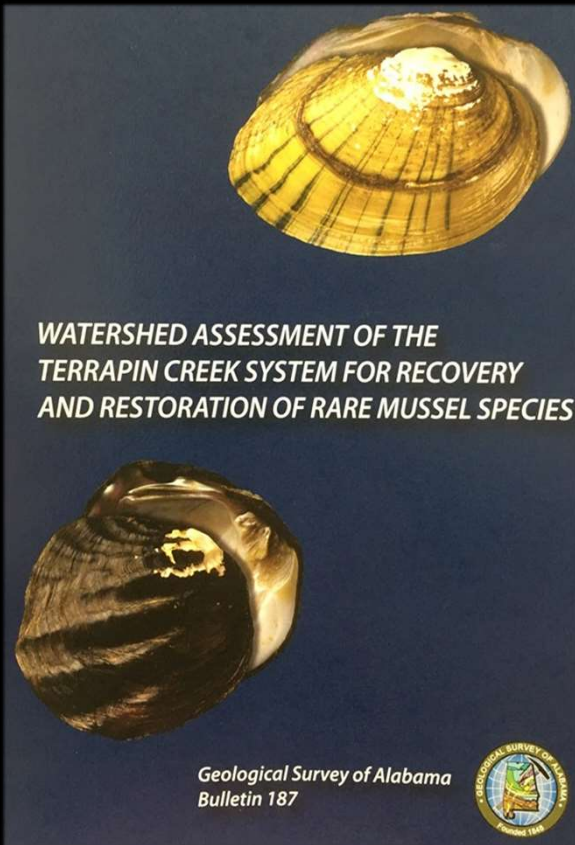


Fall 2019 Projects



- Cumberland Plateau Assessments (AFA)
- Mobile Delta Sediment
 - ADCNR contract/University of Alabama
 - Sediment quality
- Scarham Creek-Short Creek on Sand Mountain
 - Cooperative agreement with NRCS
 - Water quality surveys to ID areas for best management practices for farmers
 - Regular meetings with local Soil and Water Conservation Districts





- In press:

- Biological and Habitat Conditions in the Sipsey River Watershed, Alabama, 2011 to 2013
- Biological and Habitat Conditions in the Choctawhatchee River Drainage, Alabama, 1988 to 2014
- Biological and Habitat Conditions in the Bear Creek Watershed, Alabama



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Alabama Rivers and Streams Network
Published by Rebecca Bearden [?] · August 5 at 9:48pm ·

Congratulations to Dr. Pat O'Neil, Deputy Director of the Geological Survey of Alabama, and recipient of the 2016 Water Conservationist of the Year

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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 more.



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

Questions?

