

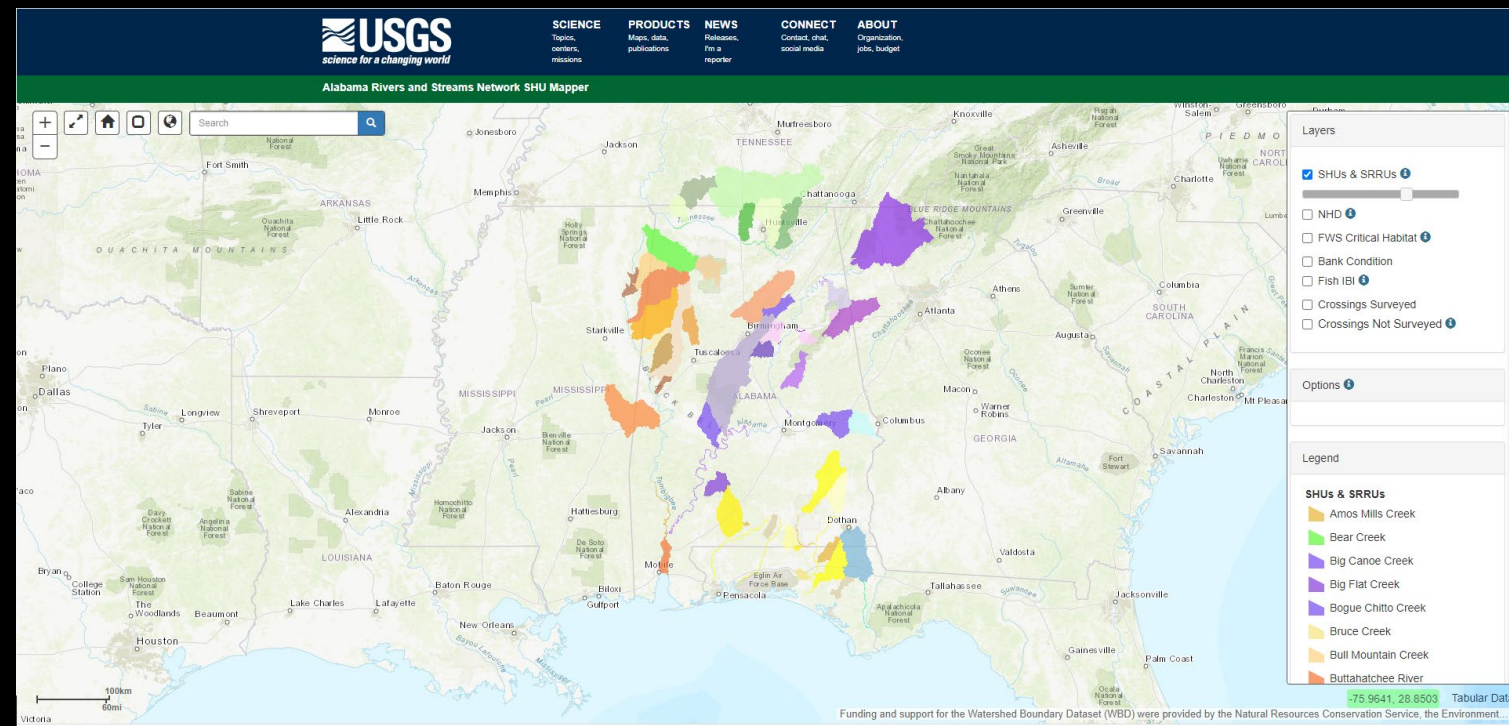
# Data Management Subcommittee

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# ARSN Data Management

- Data Overview

- Data are stored on USGS Servers and by various partners within ARSN. The Interactive Mapper is hosted by USGS.
- Examples of what data are used include stream crossing outfall drop, fish community data, Sedimentation Risk Index scores
- Data are used to inform watershed assessments, restoration project needs, focal areas for conservation, etc.
- The 'SHU Mapper' (see right) inventories what work has been completed and shows where data gaps exist



<https://warcapps.usgs.gov/SHU/Map>

# ARSN Data Management

## SRI Data Logging

### Digital data collecting for SRI surveys

- Requires training and login with the SHU Mapper
- Must have a device with cell service
- Limited connection in areas with bad cell service

### Paper data collecting for SRI surveys

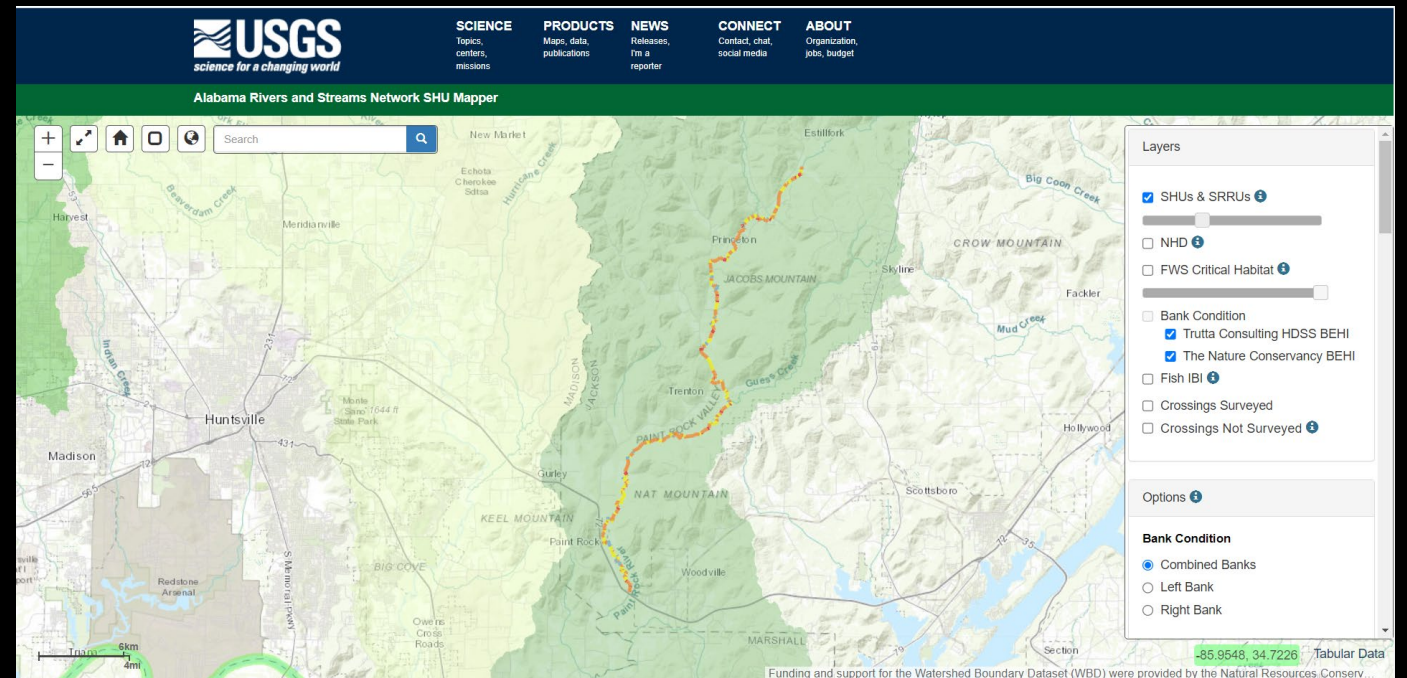
- Not limited by bad cell service
- Logged into SHU mapper same as in the field
- Requires same training and login with the SHU Mapper to log them

The screenshot shows the login interface for the Alabama Rivers and Streams Network SHU Mapper. At the top, the USGS logo is displayed with the tagline "science for a changing world". Navigation menus for SCIENCE, PRODUCTS, NEWS, CONNECT, and ABOUT are visible. The main content area is titled "Alabama Rivers and Streams Network SHU Mapper" and contains a "Log in" section with input fields for "Email" and "Password", a "Remember me?" checkbox, and a "Log in" button. Below the login fields are links for "Register as a new user" and "Forgot your password?". The footer contains a detailed navigation menu with categories like SCIENCE, PRODUCTS, NEWS, CONNECT, and ABOUT, each with a list of sub-links.



# ARSN Data Management

- What is currently offered on the Mapper:
  - SHUs & SRRUs
  - U.S. Fish and Wildlife Service Critical Habitat
  - Bank Conditions by Trutta Environmental Solutions LLC and TNC
  - Fish Index of Biotic Integrity
  - Stream Crossings Surveyed/Not Surveyed



<https://warcapps.usgs.gov/SHU/Map>

# Current Work



- SRI Survey - manual updates and providing option to fill out this data in the field dependent upon signal
  - Outfall drop measurements, removed K factor for soils, perform Road Approach I for both paved and unpaved roads
- Assisting data entry and management for SRI survey collection
- Transitioning to use of ArcGIS Online
- Collaboration with Southeast Aquatic Resources Partnership on stream crossing assessments, Instream Connectivity Team (ARSNiC)
- Continued collection of data for assessments: One example is use of drones
- Adding Bank Condition survey data - The Nature Conservancy



# Future Plans

- Explore digital field collection - need to connect to network in the field
- Considering how to incorporate Fish IBI digital field collection form
- Transition to ArcGIS Online and use of Survey123
- Explore data download options for ArcPro/ArcGIS Online (currently can download tabular data)
- Training on updated SRI Manual
- SHU/SRRU Spring inventory
- Other valuable data



# Contact Information

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