

# National Water Census ACF Focus Area Study

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# Project Team

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Alabama Water Use

Florida Water Use

Georgia Water Use

Remote Sensing Ag Water Use

Demand-Based Ag Water Use

Metered Ag Water Use

Surface-Water Model

Ground-Water Model

Ecohydrology

Ecohydrology

Ecohydrology

# Why do Focus Area Studies?

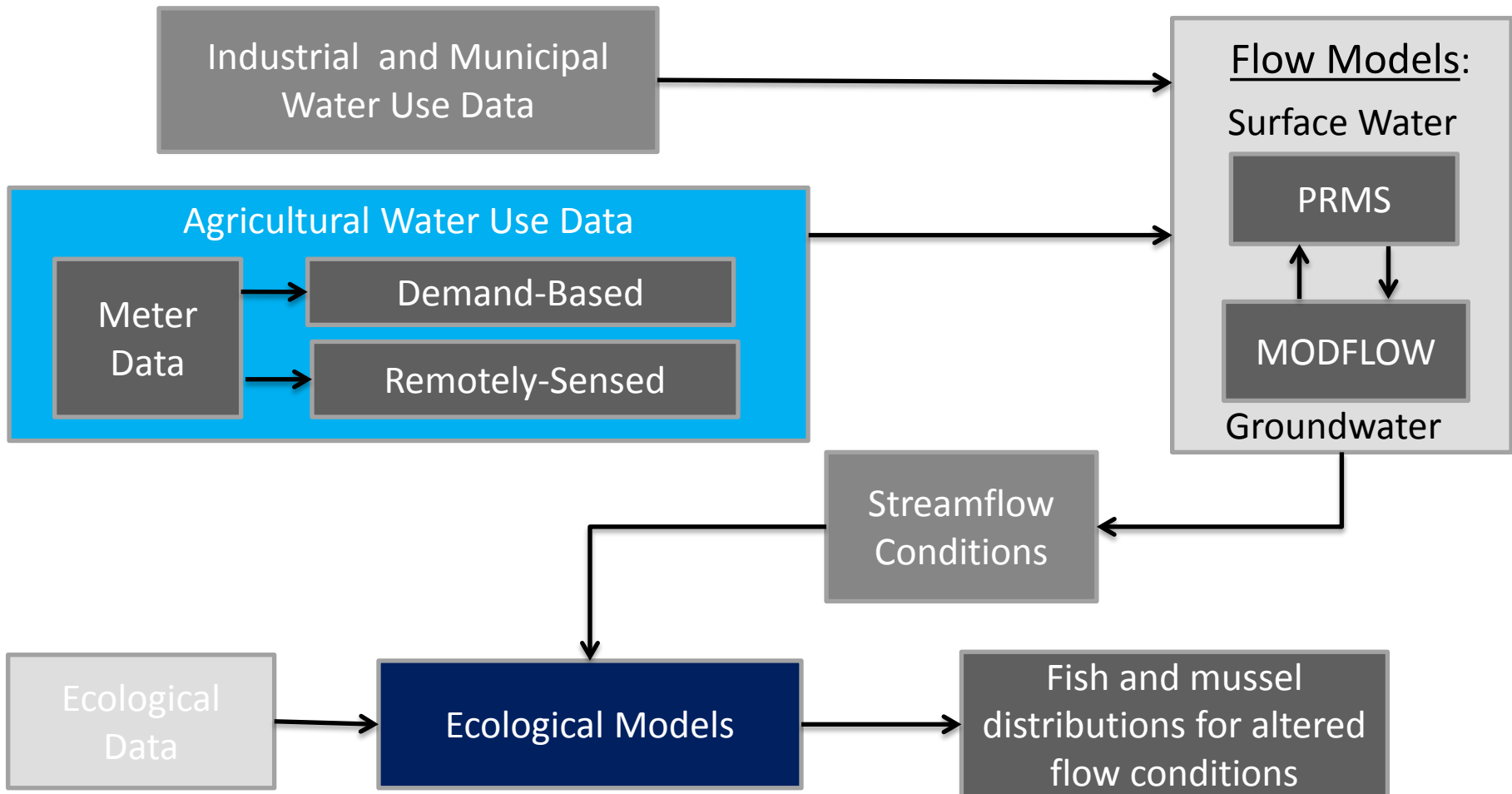
- Provide technical support for areas of the country with conflict over limited availability of water.
- Develop tools and techniques for addressing questions of water availability.

# ACF Study Components

- Water use data compilation
- Agricultural water use estimation
- Groundwater and surface-water modeling
- Ecological data collection and modeling

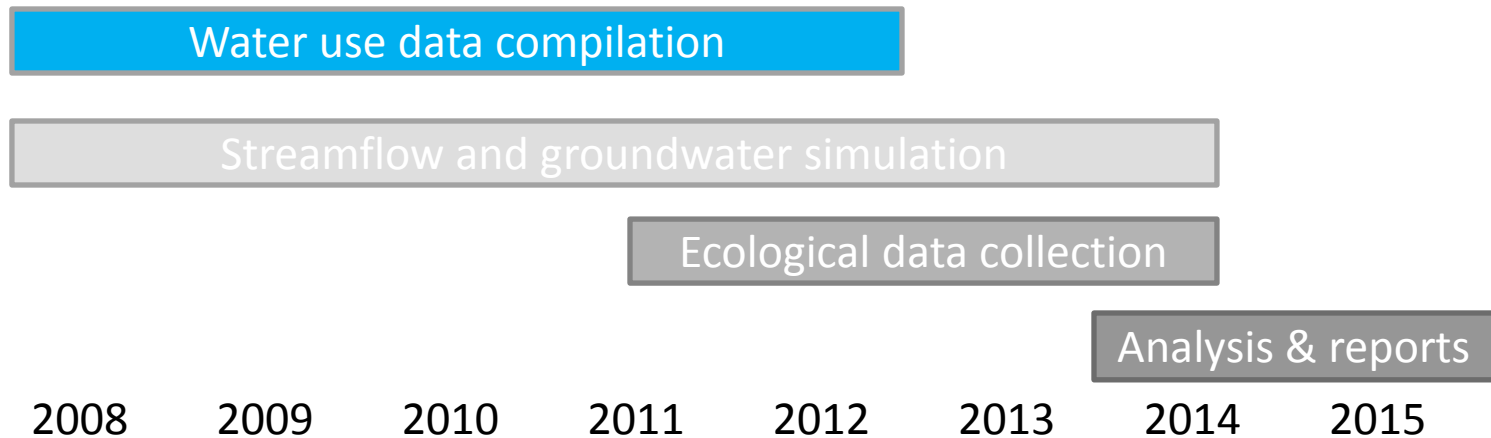


# Data Flow



# Timelines

- Water use compilation 2008-2012
- Model calibration 2008-2012
- Simulations for ecological flows 2008-2014
- Analysis and reports 2014-2015



# Contributions

- Developing better water-use data for ACF that can be linked to flow models
- Focus on smaller streams; less on reservoir management
- Linked groundwater and surface-water models
- Ecological flows are an integral part of study
- Ability to forecast flows and ecological responses for future conditions

# Products

- Compiled water use for 2008-2012
- Calibrated groundwater and surface-water flow models
- Models for ecological responses to altered flow conditions
- Reports on water use and modeling efforts