

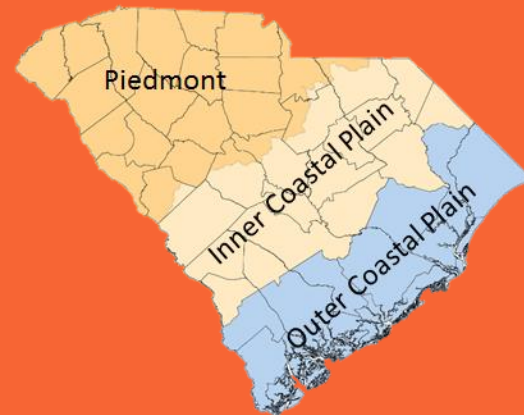
Stakeholder Engagement: Incorporating Input into South Carolina State Water Planning

Dr. Jeffery Allen
Dr. Thomas Walker
South Carolina
Water Resources Center



Background

- Updating the State Water Plan:
 - Surface Water Assessment (Basin Approach)
 - Groundwater Assessment (Coastal Plain Approach)



Surface Water Assessment: Stakeholder Engagement Results

List of Basin Meetings:

Saluda River Basin

1. Greenville, SC - April, 2015
2. Greenville, SC - December, 2015

Edisto River Basin

1. Blackville, SC – June 2015
2. Blackville, SC – December 2015

Broad River Basin

1. Spartanburg, SC – August 2015
2. Spartanburg, SC – May 2016

Pee Dee River Basin

1. Florence, SC – November 2015
2. Florence, SC – May 2016

Catawba River Basin

1. Rock Hill, SC – November 2015
2. Rock Hill, SC – November 2016

Santee River Basin

1. Moncks Corner, SC – March 2016
2. Moncks Corner, SC – December 2016

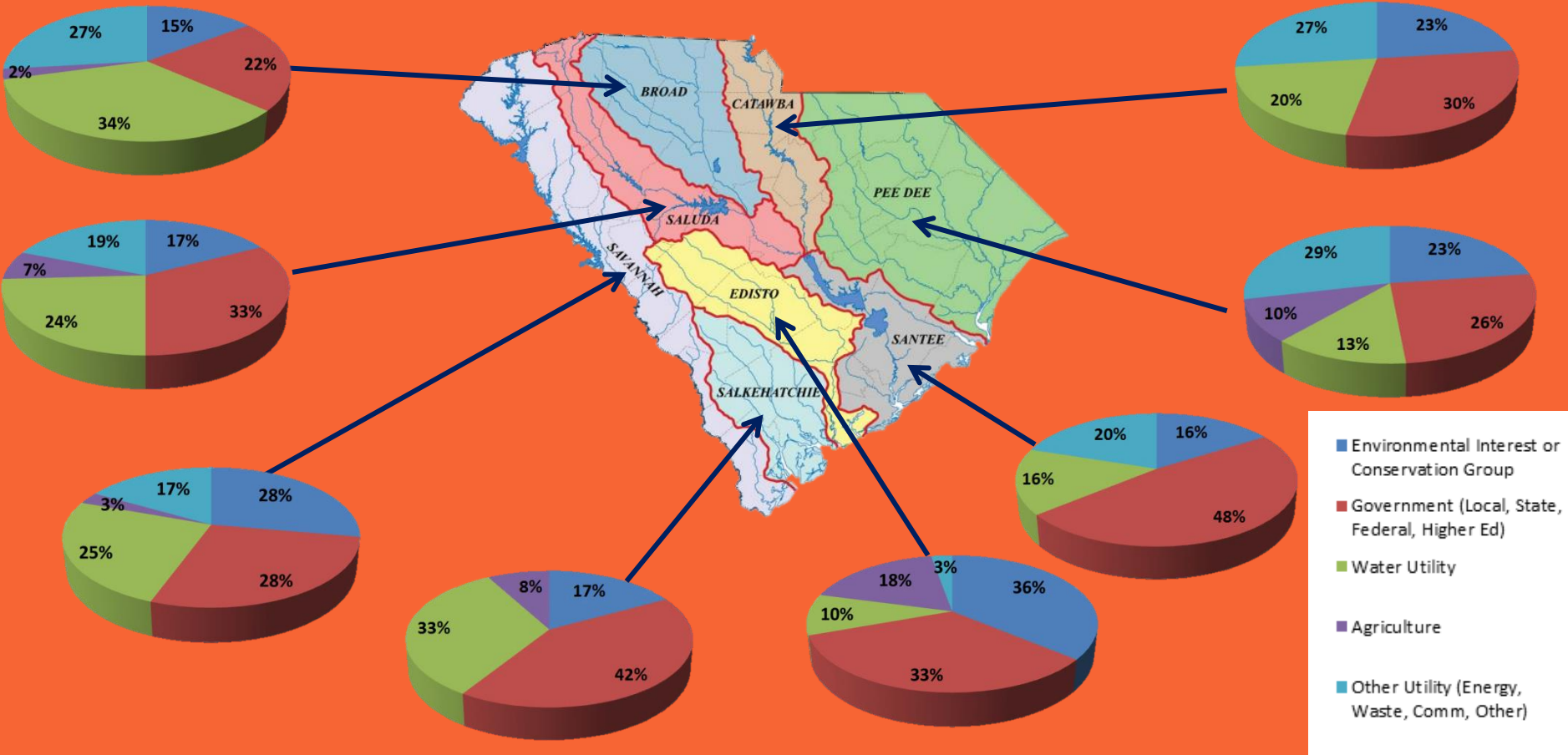
Salkehatchie River Basin

1. & 2. Walterboro, SC August 2016

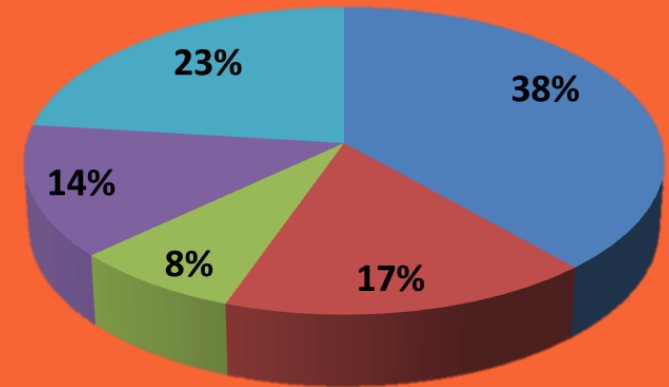
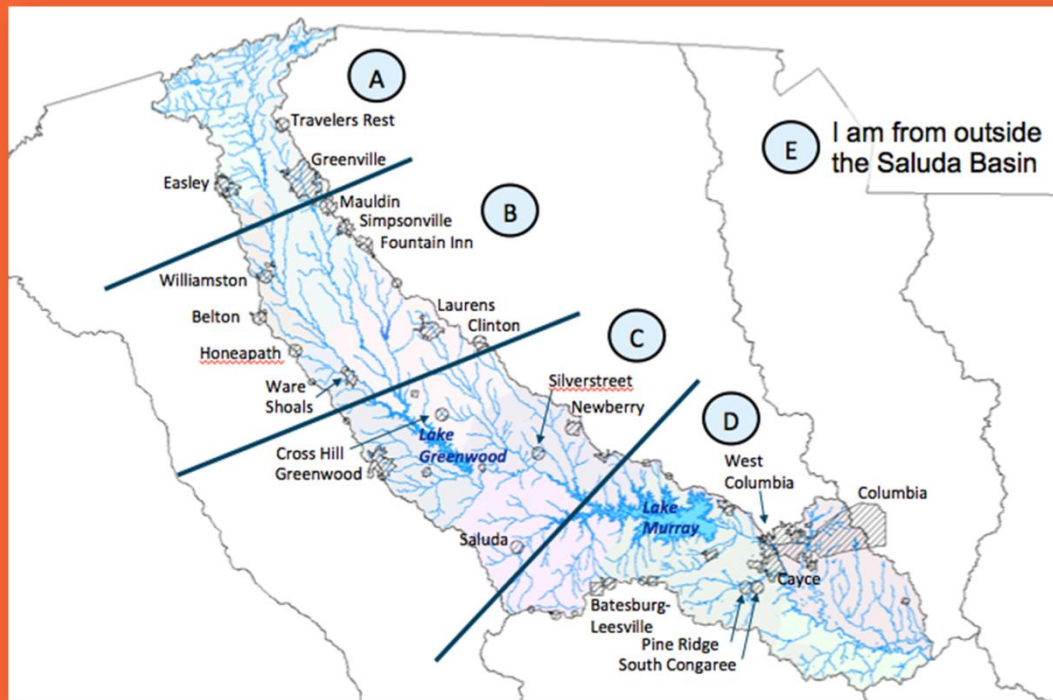
Savannah River Basin

1. North Augusta, SC – August 2016
2. North Augusta, SC – February 2017

Which Industry or Organization Type do you Represent?

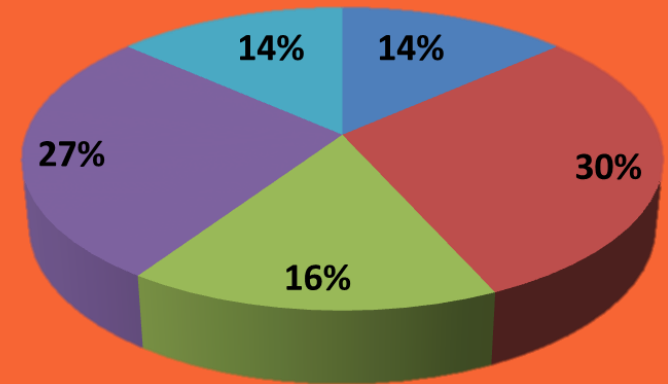


Using the numbers shown, identify what area of the Saluda River Basin you represent.



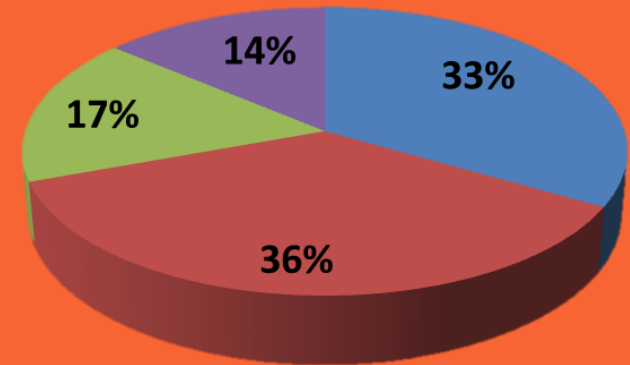
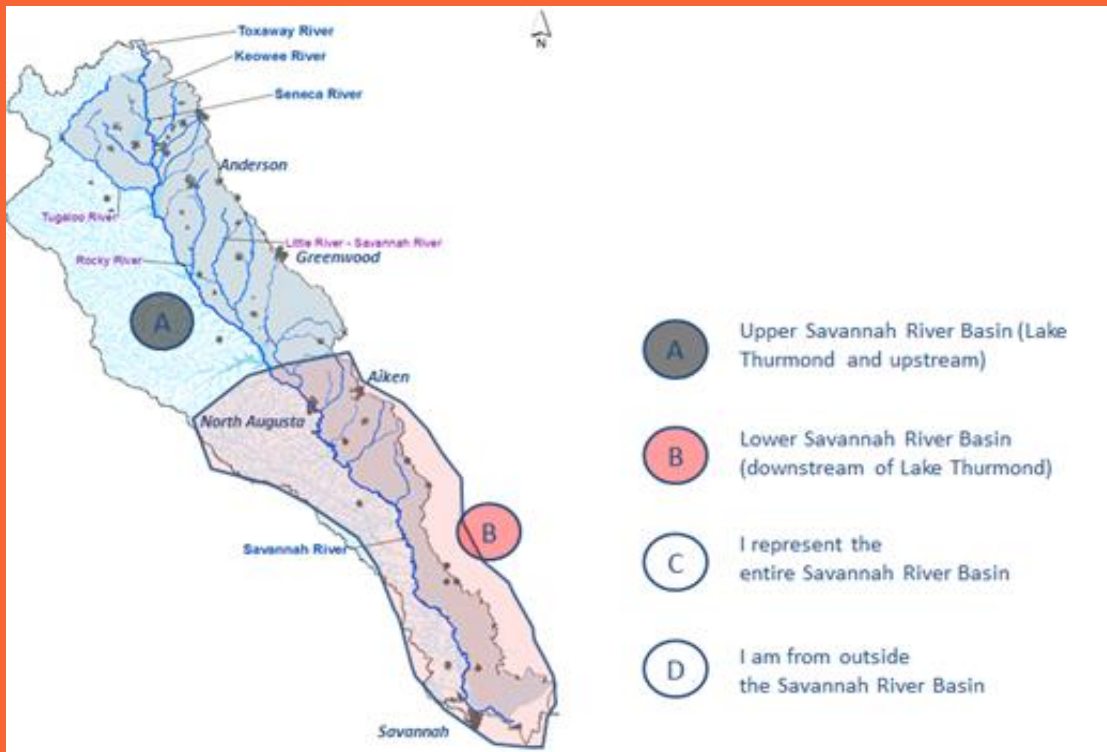
- Saluda Basin from Greenville upstream
- Saluda Basin between Greenville and Ware Shoals and Clinton
- Saluda Basin including Lake Greenwood area but ending before Lake Murray
- Saluda Basin from Lake Murray to South of Columbia
- I am from outside the Saluda Basin

Using the numbers shown, identify what area of the Edisto River Basin you represent.



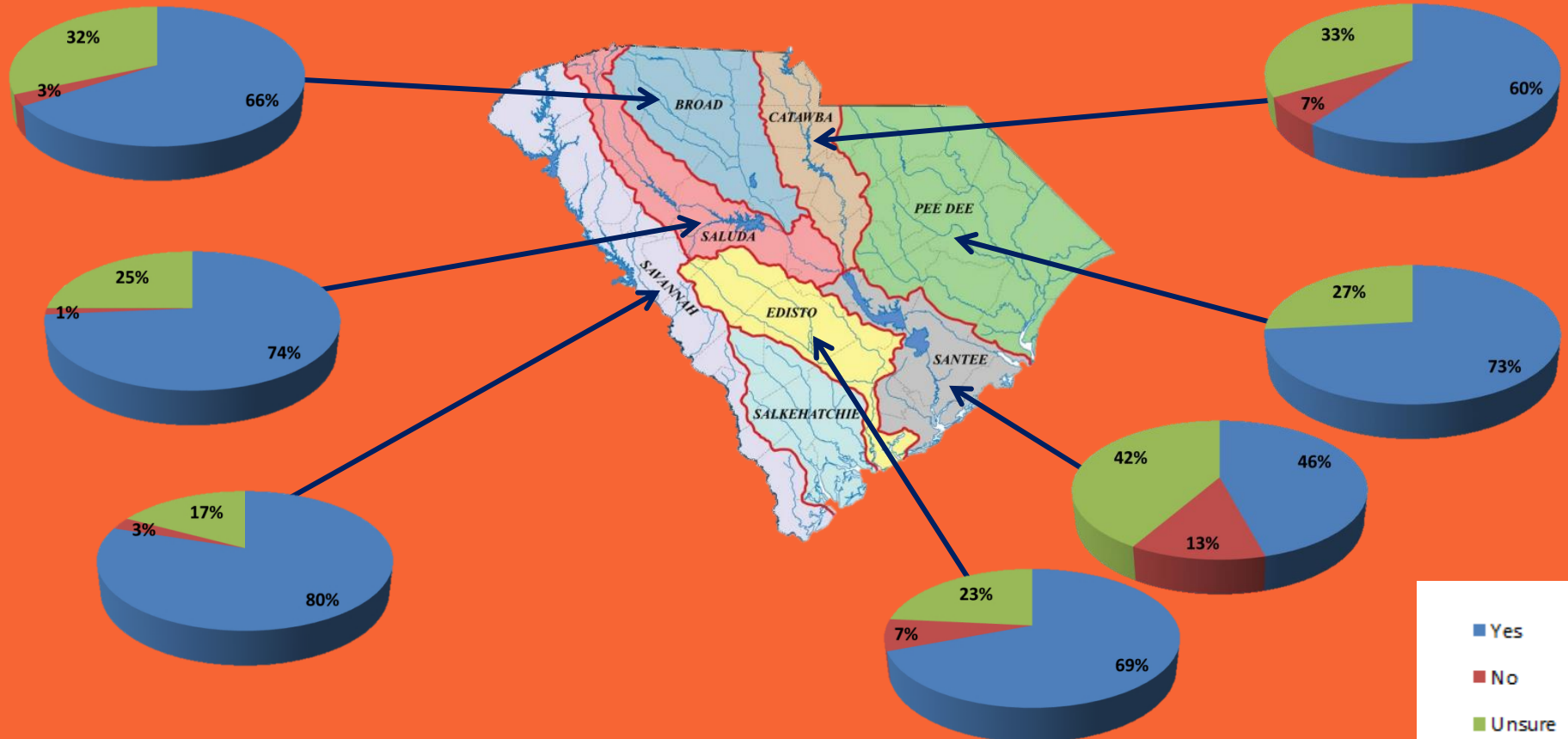
- The North Fork Edisto River and tributaries
- The South Fork Edisto River and tributaries
- The Edisto and South Edisto Rivers and tributaries
- I represent the entire Edisto Basin
- I am from outside the Edisto Basin

Using the numbers shown, identify what area of the Savannah River Basin you represent.

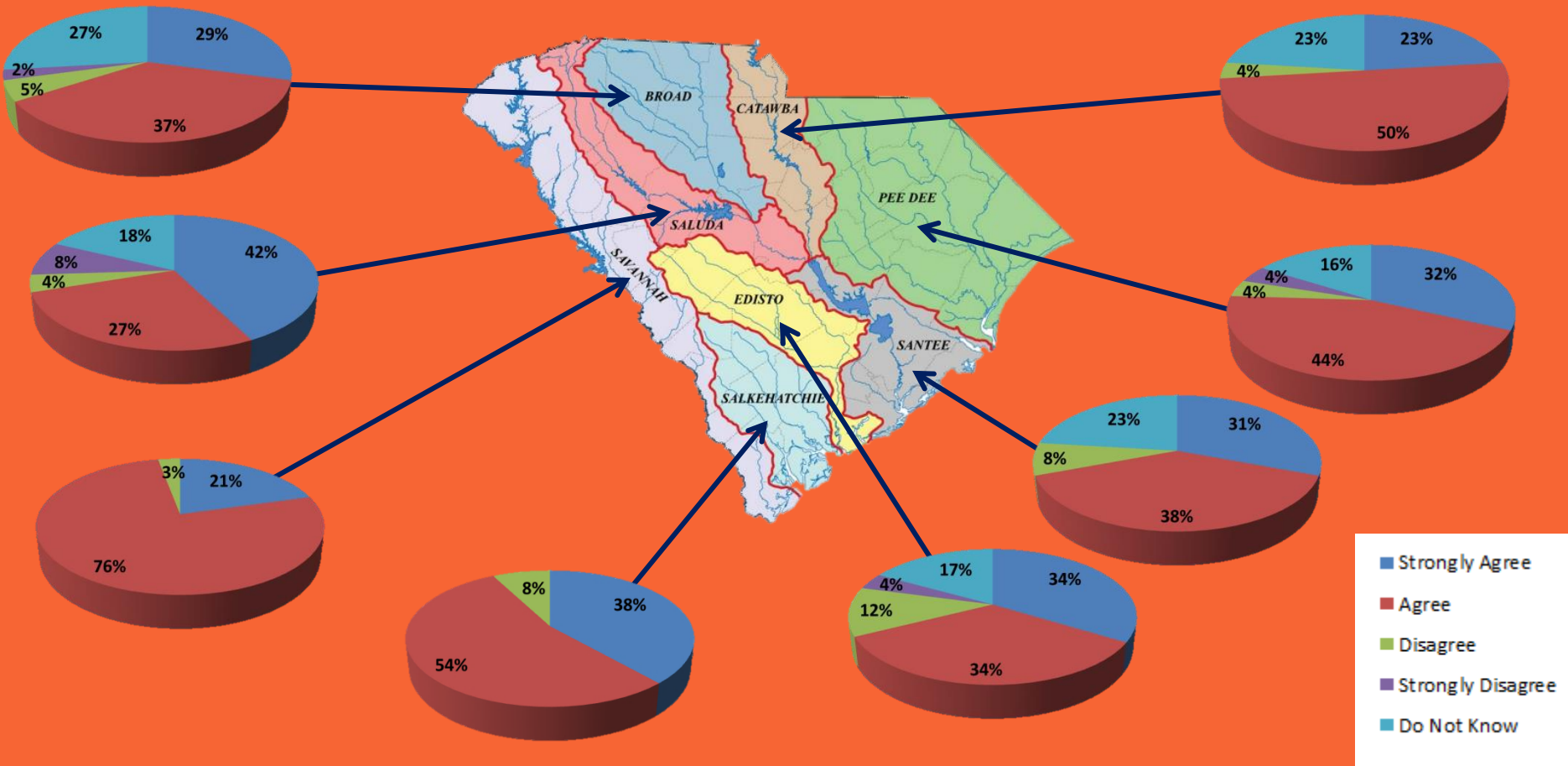


- Upper Savannah River Basin (Lake Thurmond and upstream)
- Lower Savannah River Basin (downstream of Lake Thurmond)
- I represent the entire Savannah River Basin
- I am from outside the Savannah River Basin

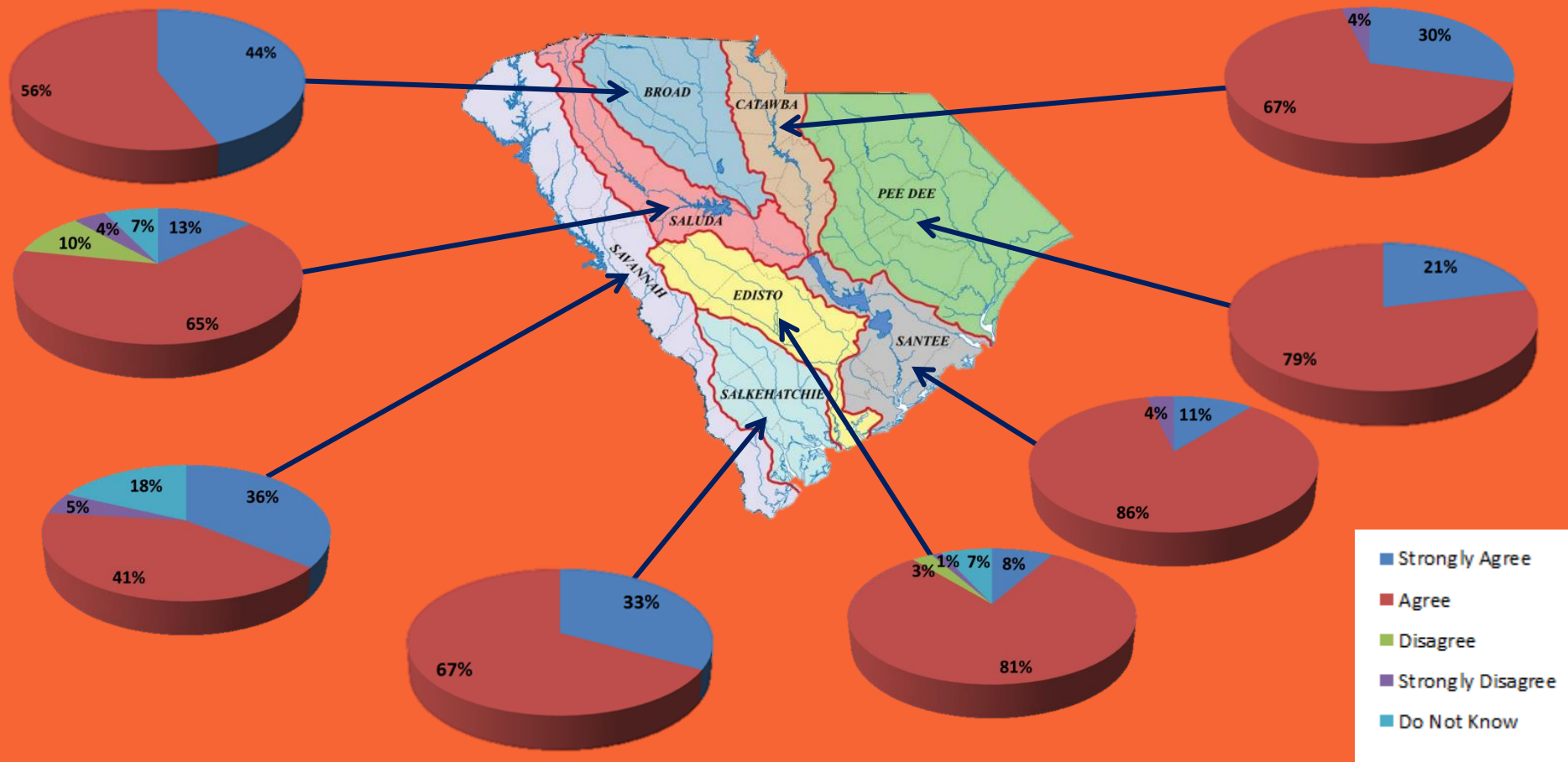
Do you intend to be involved in the entire stakeholder process for the River Basin?



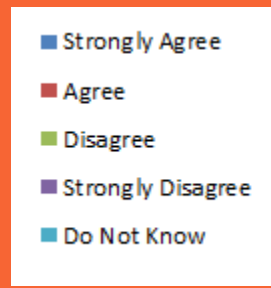
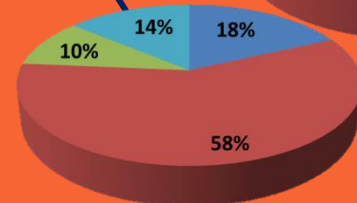
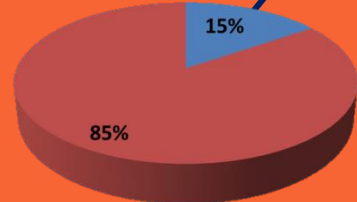
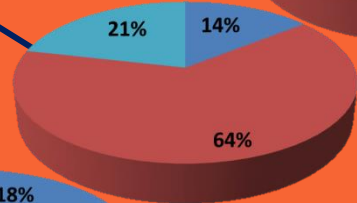
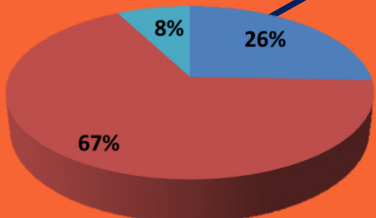
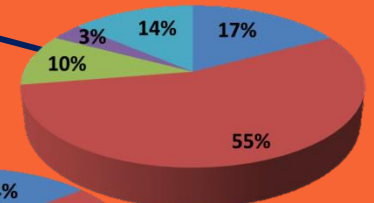
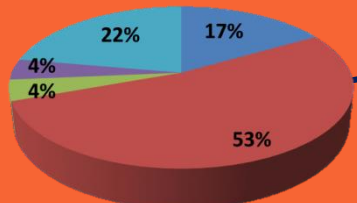
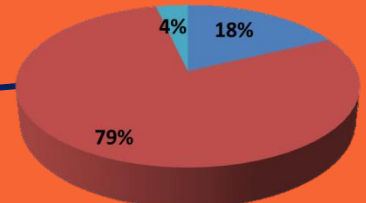
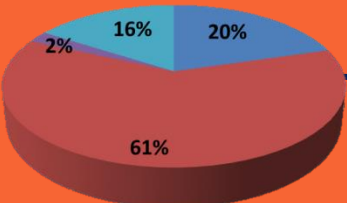
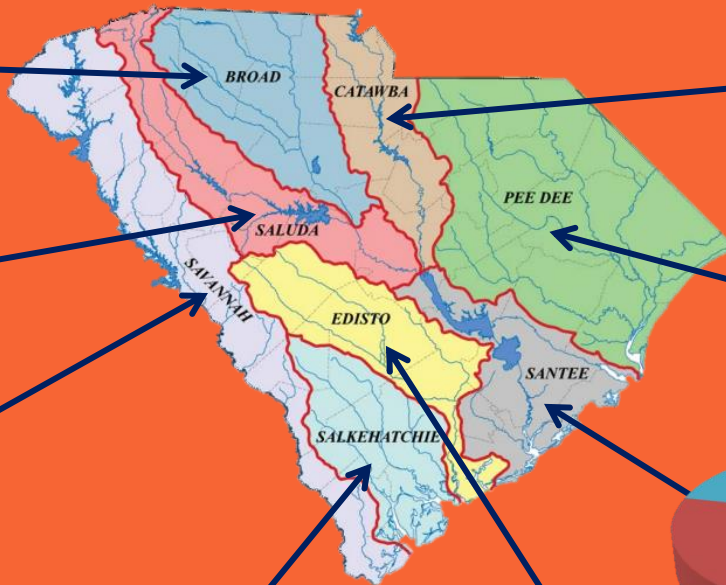
I support additional resources for the State Water Assessment and Planning efforts.



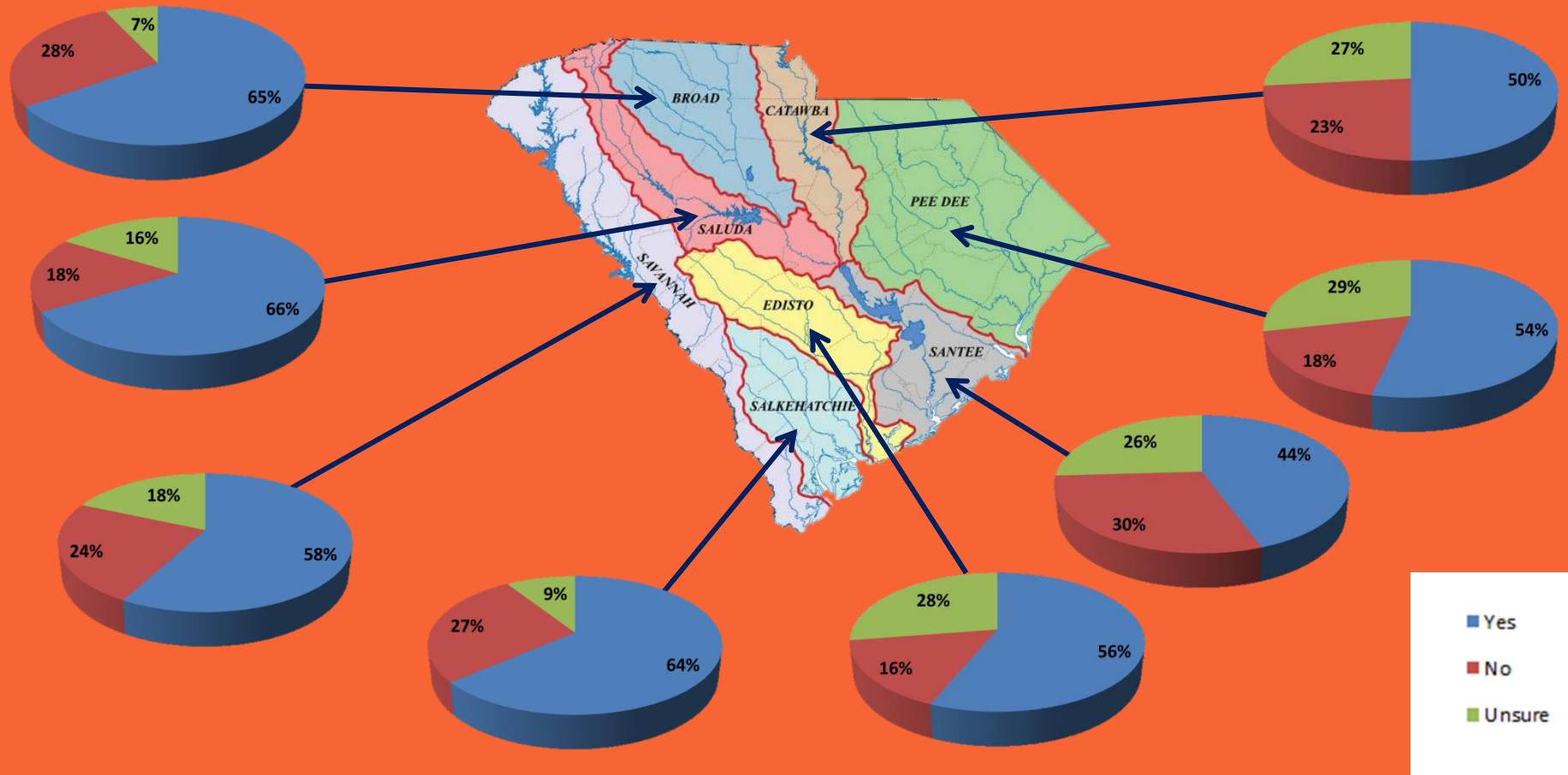
Would you agree that you are now more informed on the basics of the hydrologic model?



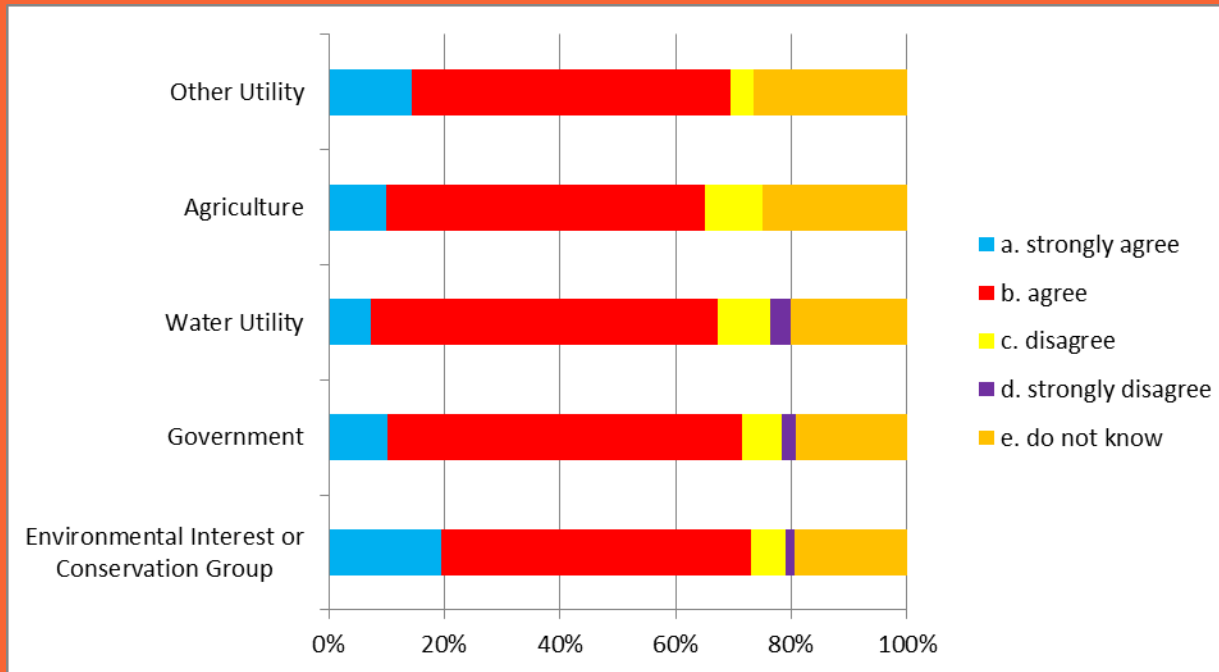
Please select your level of agreement with the following statement: The hydrologic model provides useful information for surface water users of the River Basin.



Are you interested in receiving training in using the hydrologic model?

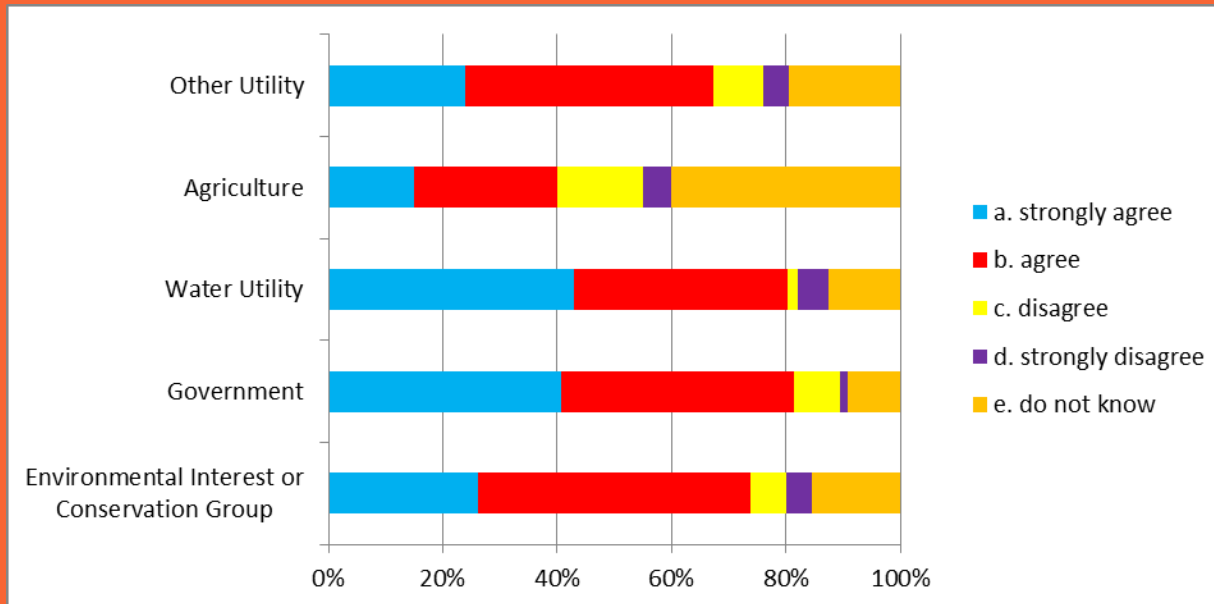


Results by Stakeholder Type



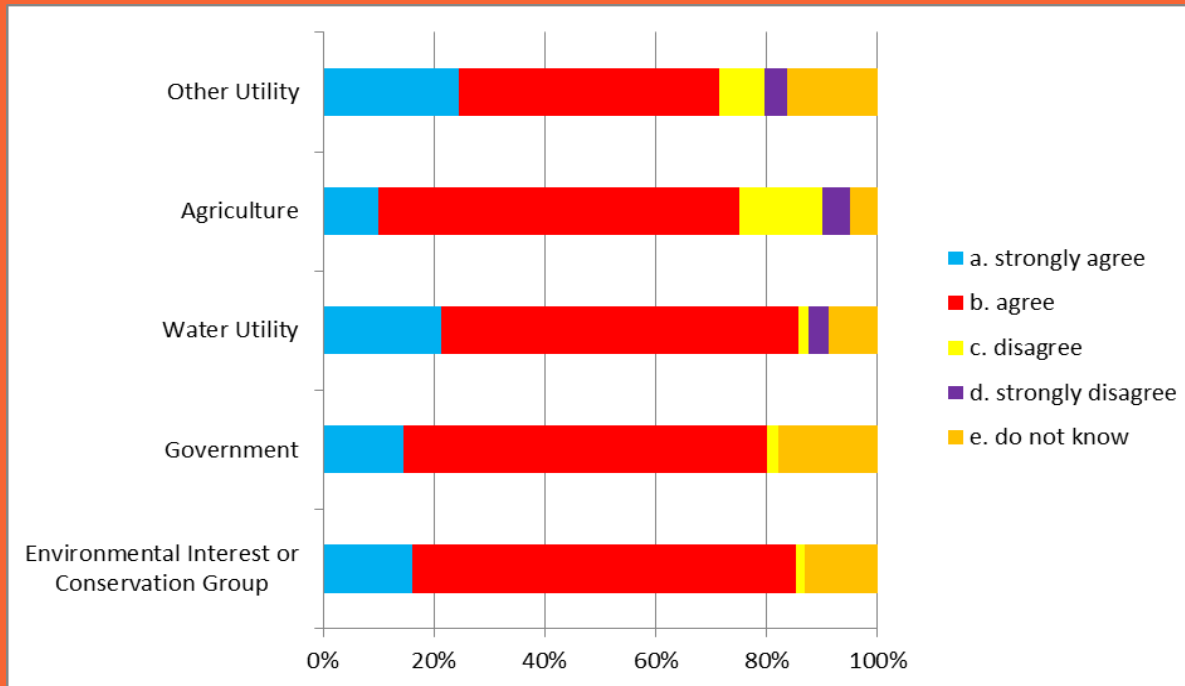
THE SCOPE OF THE SURFACE WATER ASSESSMENT IS APPROPRIATE BY STAKEHOLDER TYPE

Results by Stakeholder Type



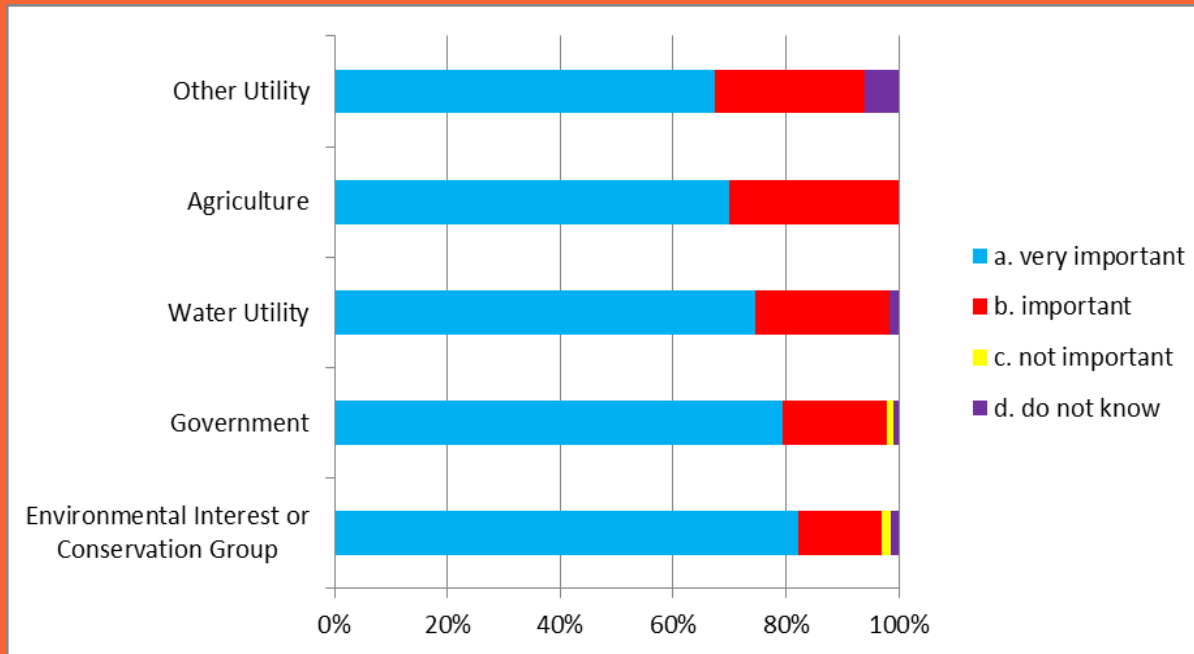
**SUPPORT FOR ADDITIONAL FINANCIAL RESOURCES FOR THE
STATE WATER ASSESSMENT AND PLANNING EFFORTS
BY STAKEHOLDER TYPE**

Results by Stakeholder Type



THE HYDROLOGIC MODEL PROVIDES USEFUL INFORMATION FOR SURFACE WATER USERS FOR ALL BASINS BY STAKEHOLDER TYPE

Results by Stakeholder Type

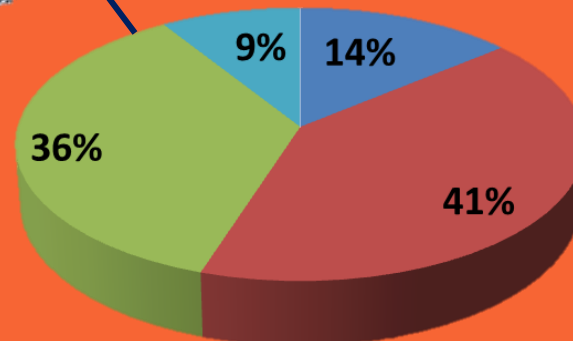
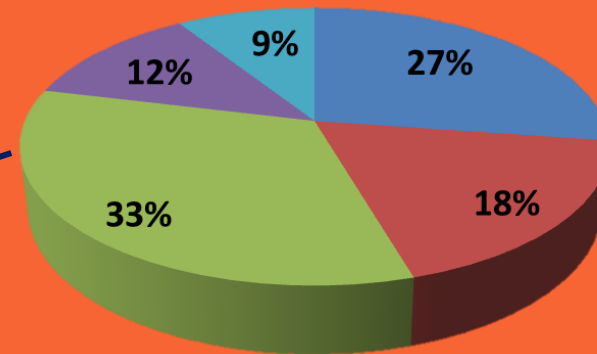
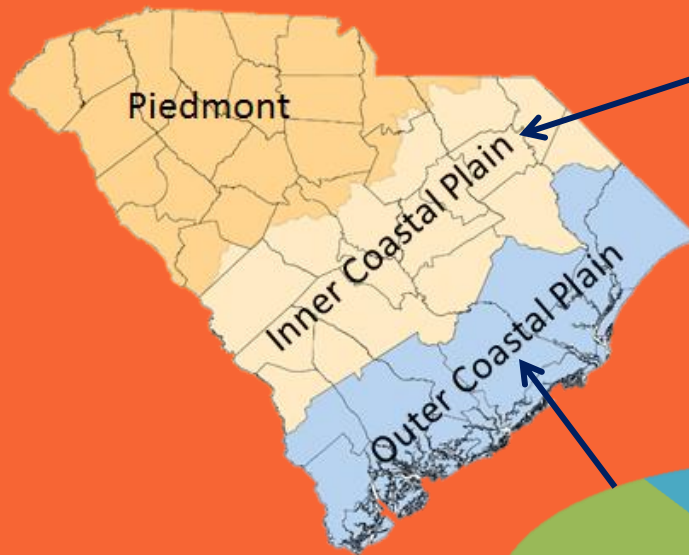


THE SURFACE WATER AVAILABILITY ASSESSMENT IS IMPORTANT FOR WATER RESOURCES MANAGEMENT BY STAKEHOLDER TYPE

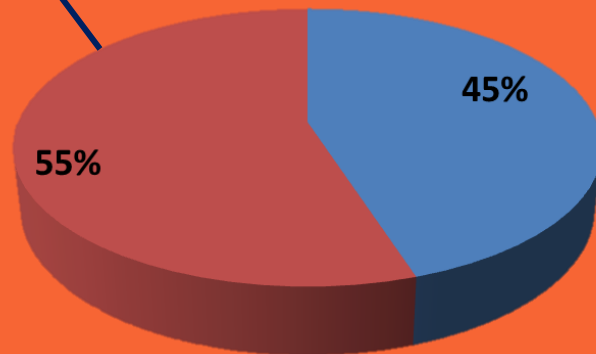
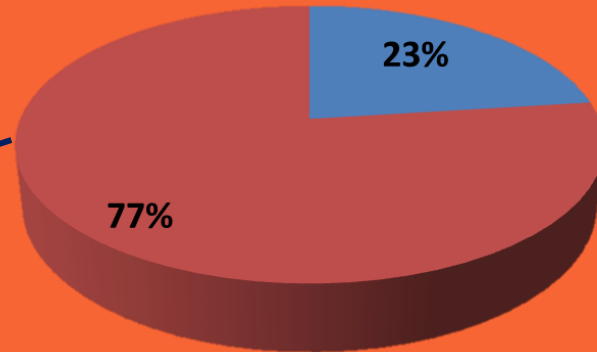
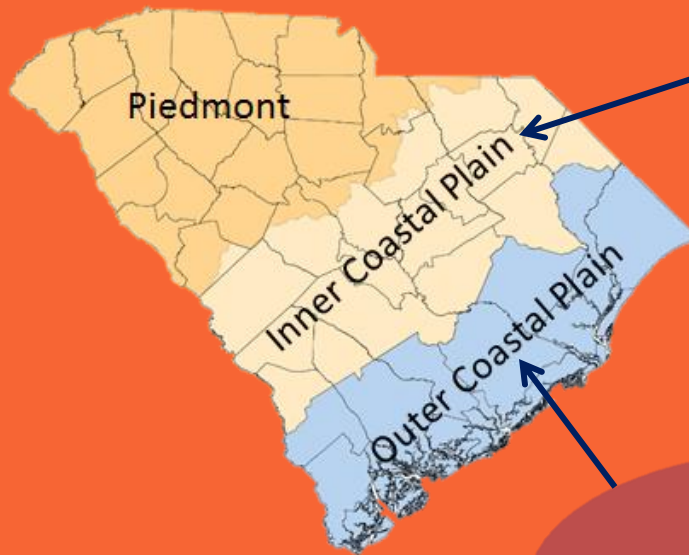
Groundwater Assessment: Stakeholder Engagement Results

- Groundwater Meetings
 - Outer Coastal Plain
North Charleston, SC
November 28, 2017
 - Inner Coastal Plain
West Columbia, SC
December 14, 2017
- Meeting Two(s) will be held late summer/early fall

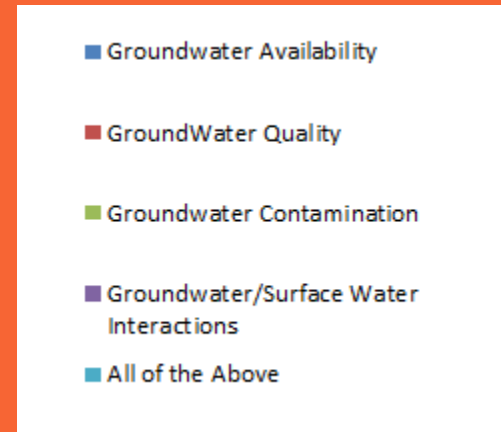
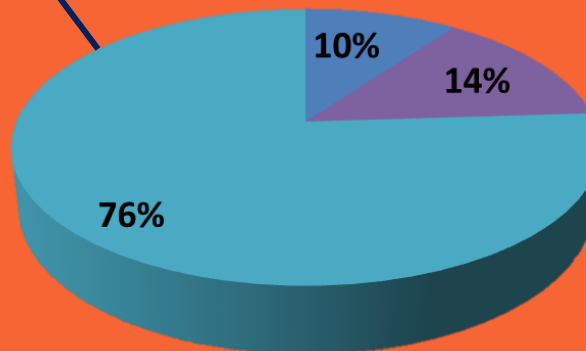
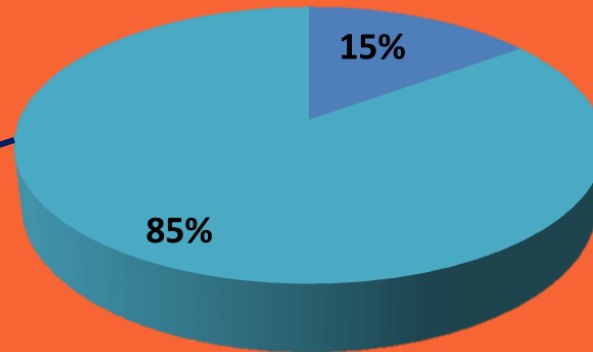
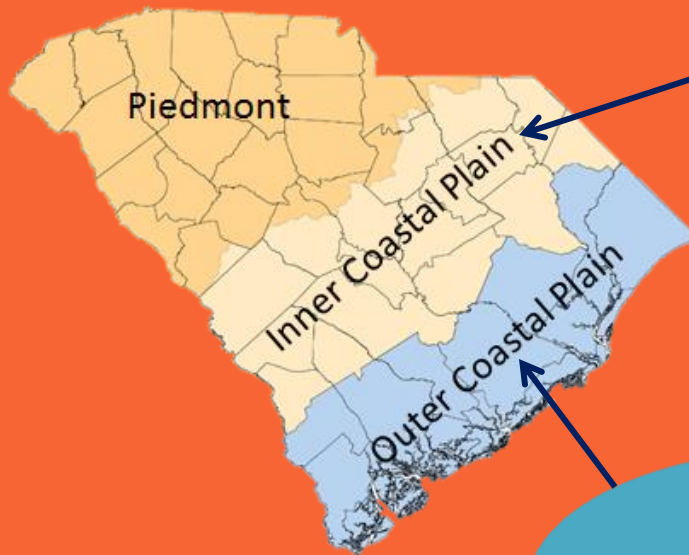
Which organization type do you represent?



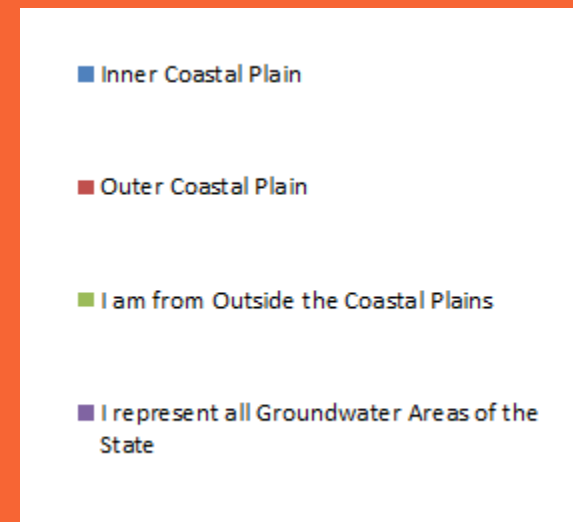
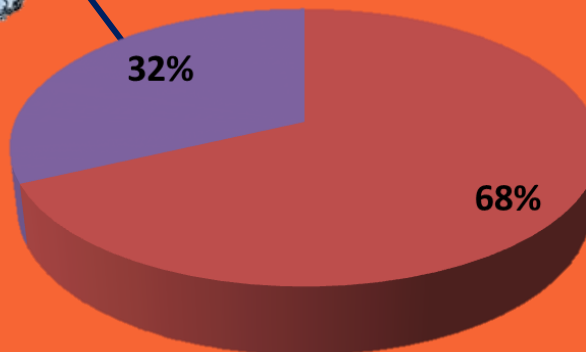
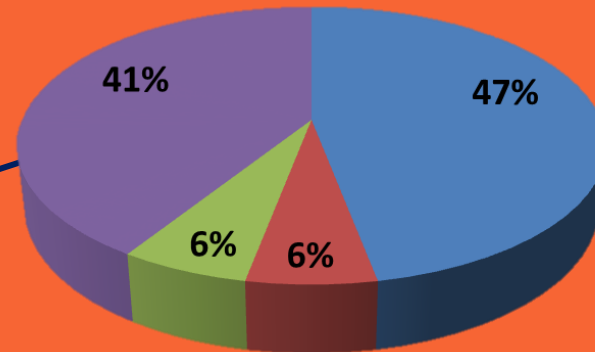
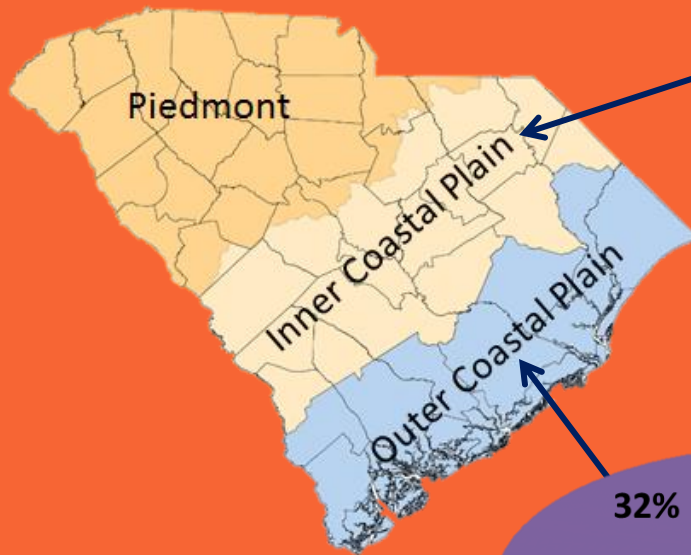
Are you a registered/permitted water user?



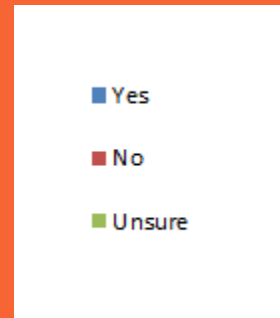
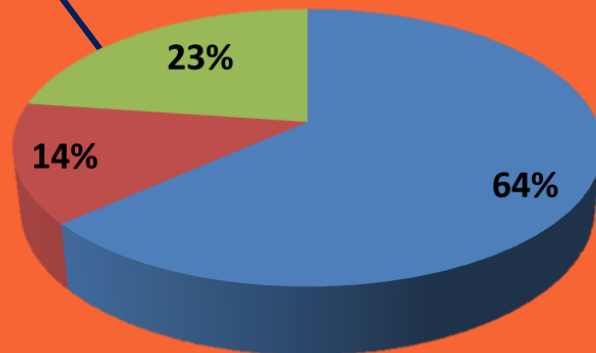
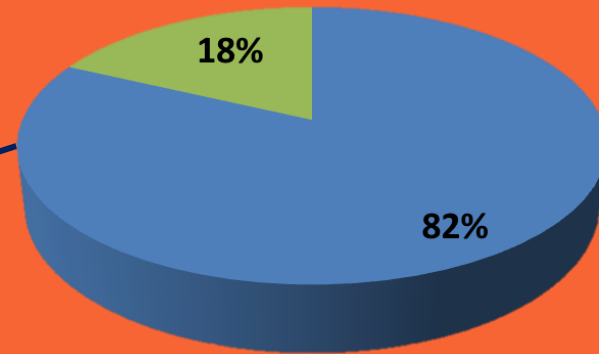
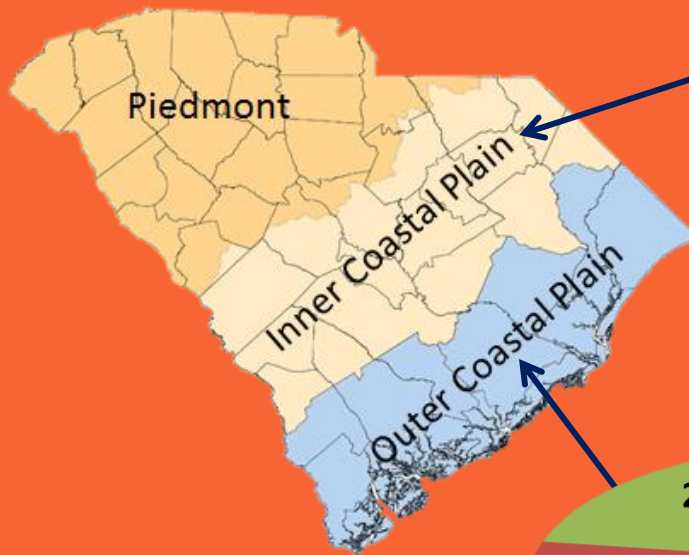
My interests are mainly in...



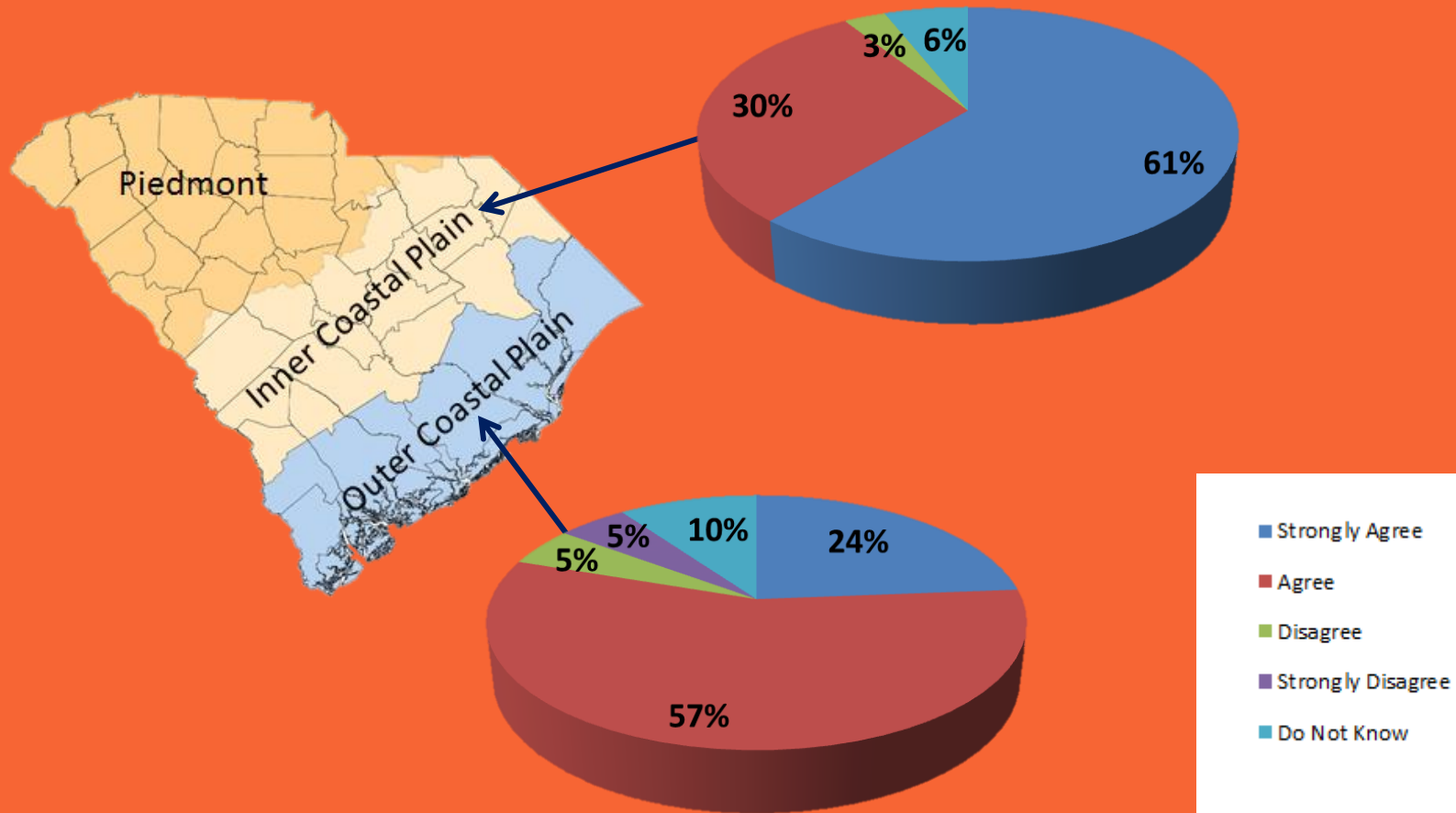
Which groundwater area do you represent?



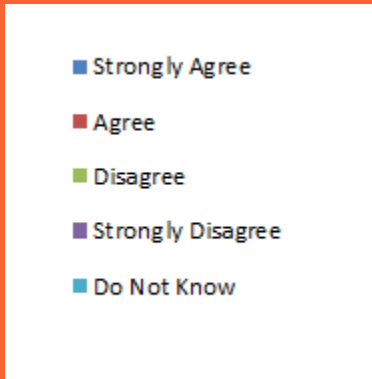
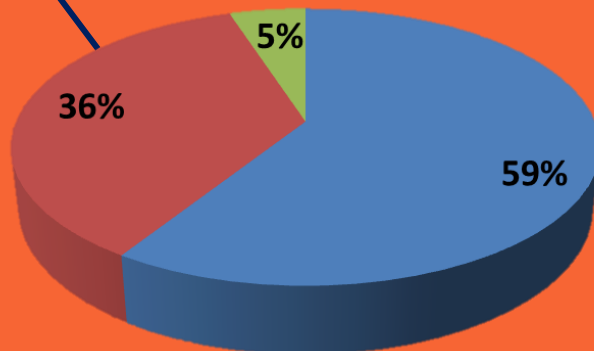
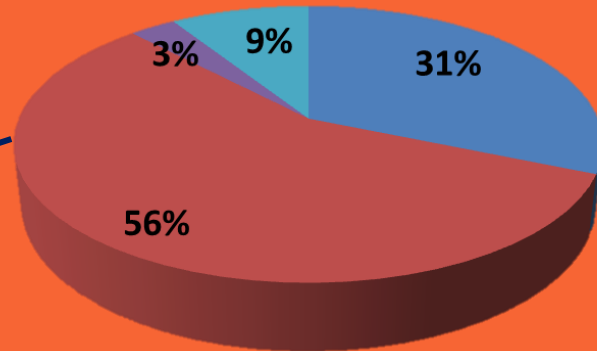
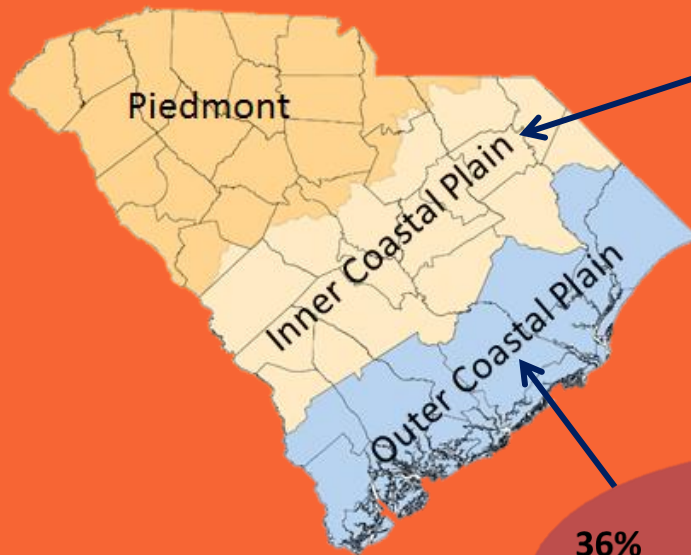
Do you intend to be involved in the entire stakeholder process for groundwater?



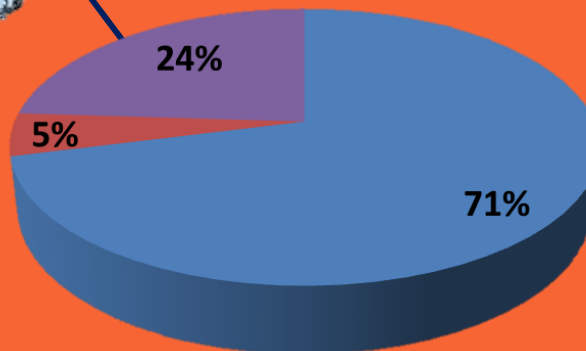
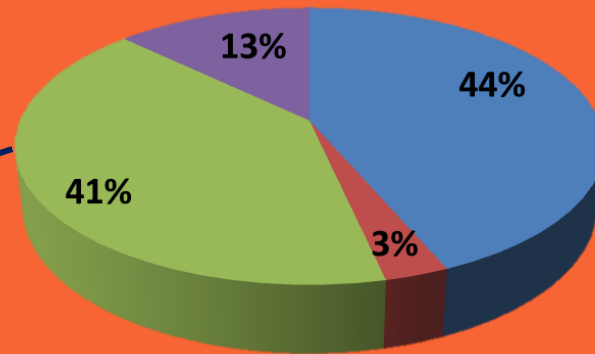
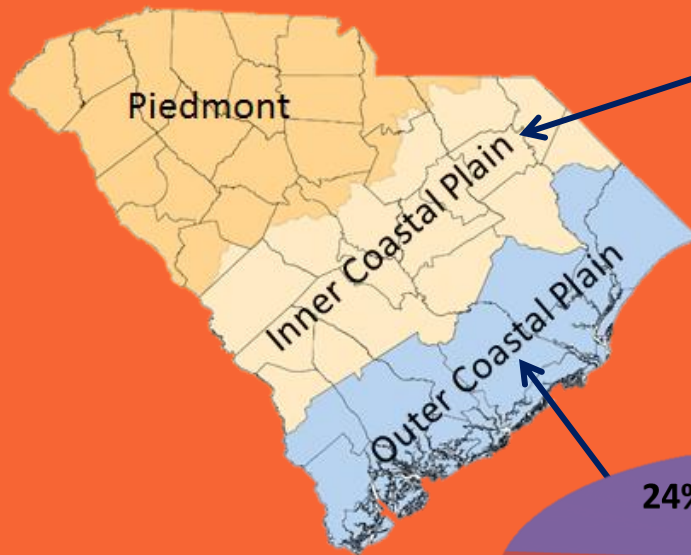
I support additional resources for the groundwater availability assessment and planning efforts.



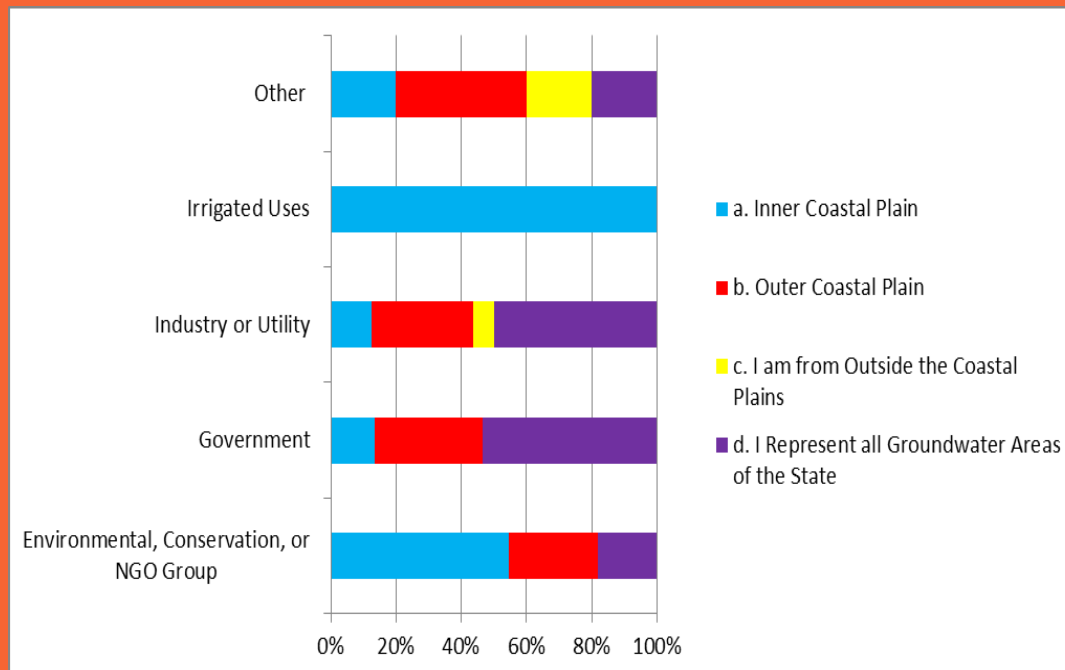
Please select your level of agreement with the following statement: Groundwater modeling provides useful information for groundwater users in the state.



Do you support statewide groundwater withdrawal permitting?

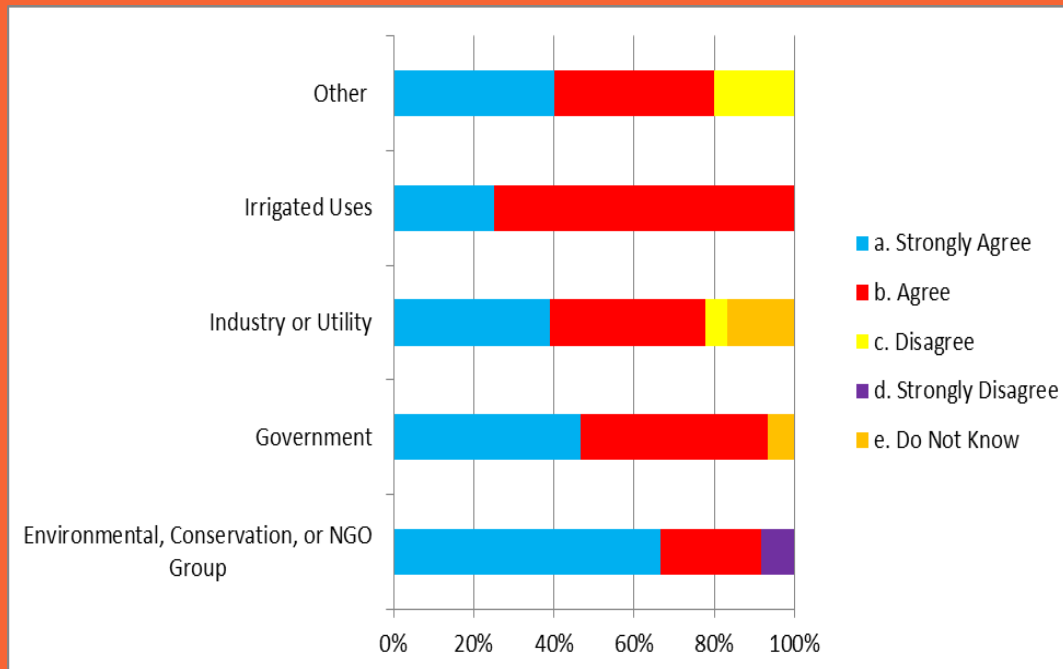


Results by Stakeholder Type



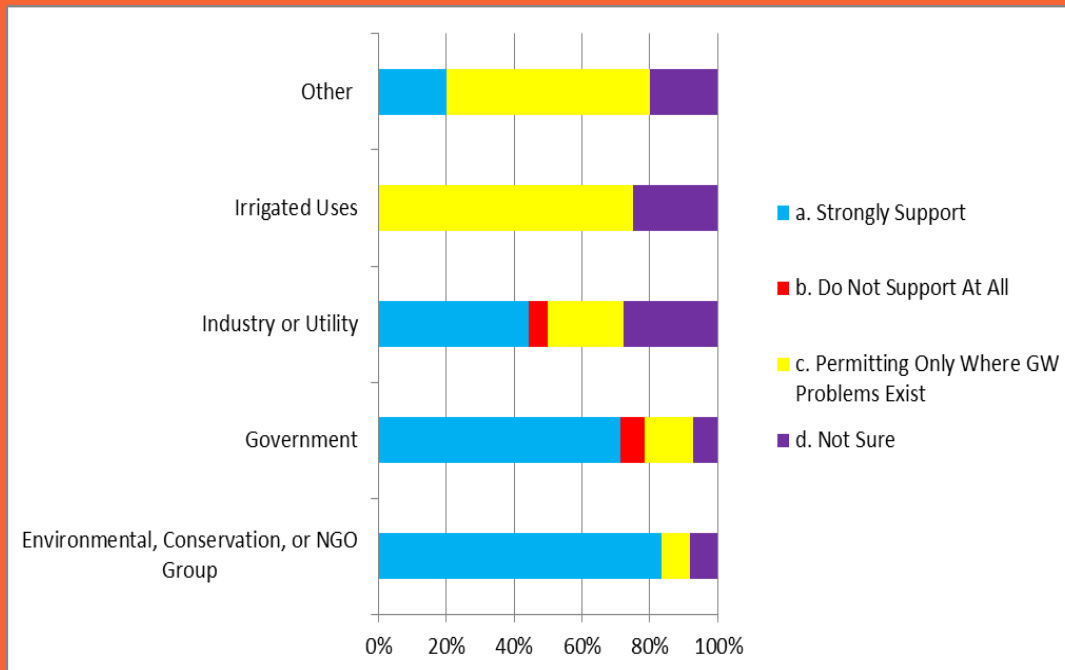
GROUNDWATER AREA REPRESENTED BY STAKEHOLDER TYPE

Results by Stakeholder Type



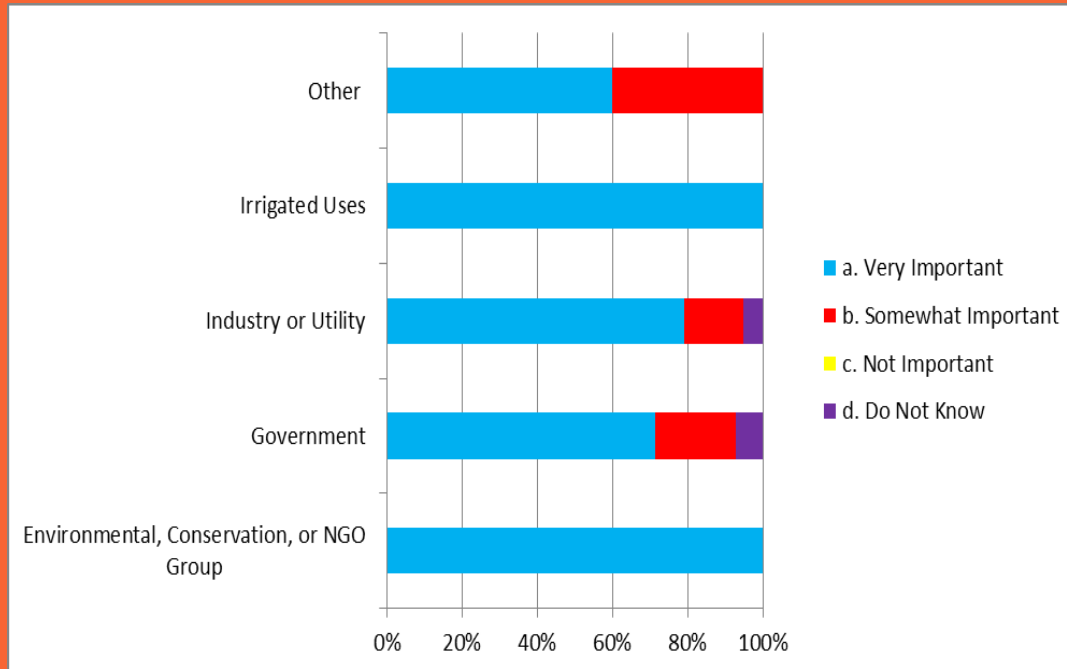
SUPPORT ADDITIONAL RESOURCES FOR THE GROUNDWATER AVAILABILITY ASSESSMENT AND PLANNING EFFORTS BY STAKEHOLDER TYPE

Results by Stakeholder Type



SUPPORT FOR STATEWIDE GROUNDWATER WITHDRAWAL PERMITTING BY STAKEHOLDER TYPE

Results by Stakeholder Type



**IMPORTANCE OF THE GROUNDWATER AVAILABILITY ASSESSMENT
BY STAKEHOLDER TYPE**

Incorporating Stakeholder Feedback Into Water Assessments and Modeling

- Surface Water Assessment and Modeling
 - Stakeholder feedback at meeting one based on methods and assumptions of the surface water assessment and SWAM. Basin-specific knowledge and feedback from stakeholders to improve modeling effort.
 - Meeting two feedback on calibration and accuracy of model within basins
- Groundwater Assessment and Modeling
 - Stakeholder feedback at meeting one based on methods and assumptions of the groundwater assessment and model.
 - GW Technical Advisory Committee


Looking Ahead - Incorporating Stakeholder Feedback Into Water Planning

- Water Demand Forecasts – Technical Advisory Committee
- State Water Planning Process Advisory Committee (PPAC)
 - True stakeholder driven process with diverse water interest representation
 - Provide a framework for basin planning/regional water plans
- Basin Advisory Committees – Provide basin specific knowledge for inclusion into water planning at the basin level

Stakeholder Website

- Home
- Water Modeling
- Surface Water
- Broad River Basin
- Catawba River Basin
- Edisto River Basin
- Pee Dee River Basin
- Salkehatchie River Basin
- Saluda River Basin
- Santee River Basin
- Savannah River Basin
- Groundwater
- State Water Planning Process Advisory Committee
- Resources
- News and Videos
- Contacts

Stakeholder Website for South Carolina Water Resources



SURFACE WATER ASSESSMENT

The responsible management of the state's water resources is beyond the scope of any one agency or organization and requires cooperation and shared responsibility amongst all agencies and water users. Stakeholder involvement and feedback is critical to this process. [READ MORE >>](#)

RIVER BASINS

Did you know that only two of South Carolina's eight major river basins are not shared with other states? This is also the first time that South Carolina will have surface water models developed individually for each basin that can work together for a state assessment.

EVENTS

UPCOMING EVENTS

PPAC MEETING
May 24, 2018
10:00 AM - 2:00 PM
SCDNR Archaeology Center
2025 Barnwell Street
Columbia, SC 29202

RECENT EVENTS

GROUNDWATER MEETING
December 14, 2017
The Phillips Market Center

SURFACE WATER MODELING

The surface water quantity models being built in South Carolina are intended for long-term agency and stakeholder use to enhance the permitting, planning and management of the state's surface water resources. [READ MORE >>](#)

RESOURCES

Past information is critical to understand water supply during times of drought, periods of high use and other temporal changes that affect water availability. Past assessments, plans and more will continue to be referenced here. [READ MORE >>](#)

Project Partners



DNR