# Georgia Adopt A Stream Coastal Region Training Center at Savannah State University

**Joseph P. Richardson**

Marine Sciences Program, P.O. Box 20583, Savannah State University, Savannah, Georgia 31404
richards@savstate.edu
richardsonj88@hotmail.com

# Georgia Adopt A Stream Program

Sponsored by the GA Dept of Natural Resources,
Environmental Protection Division

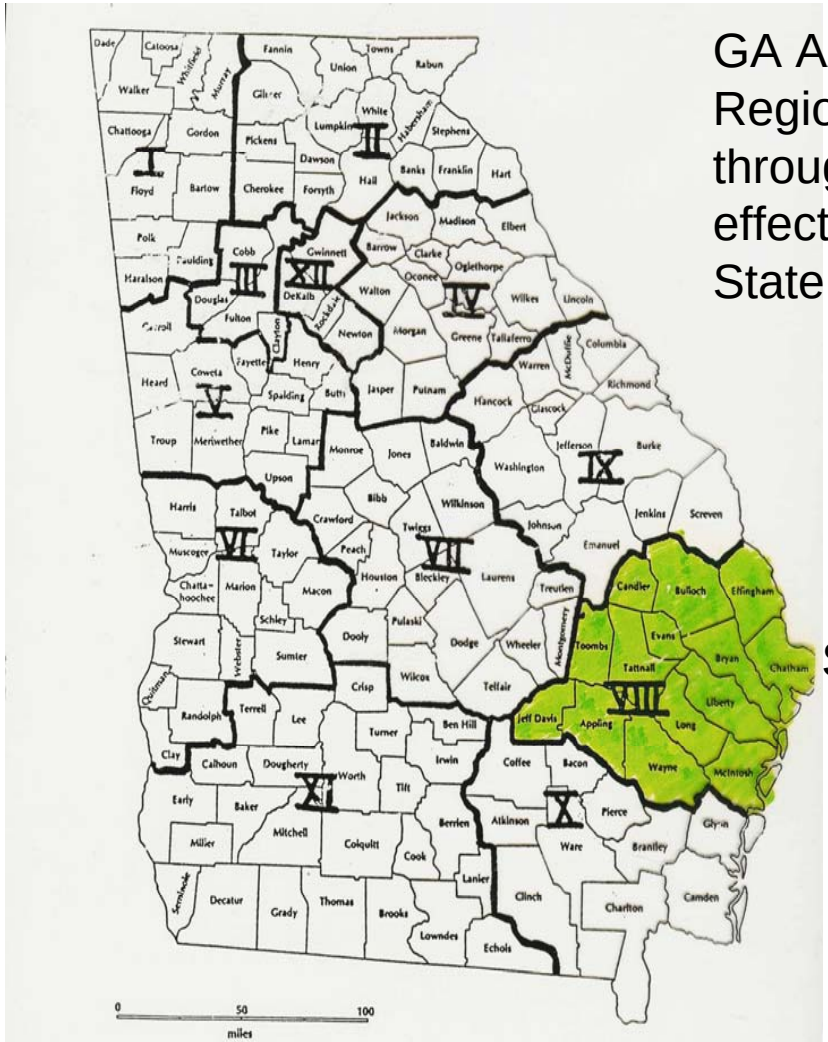
Volunteer-Based Program designed to:

enhance the public's awareness of Georgia's natural water resources,

provide education and training regarding non-point source pollution,

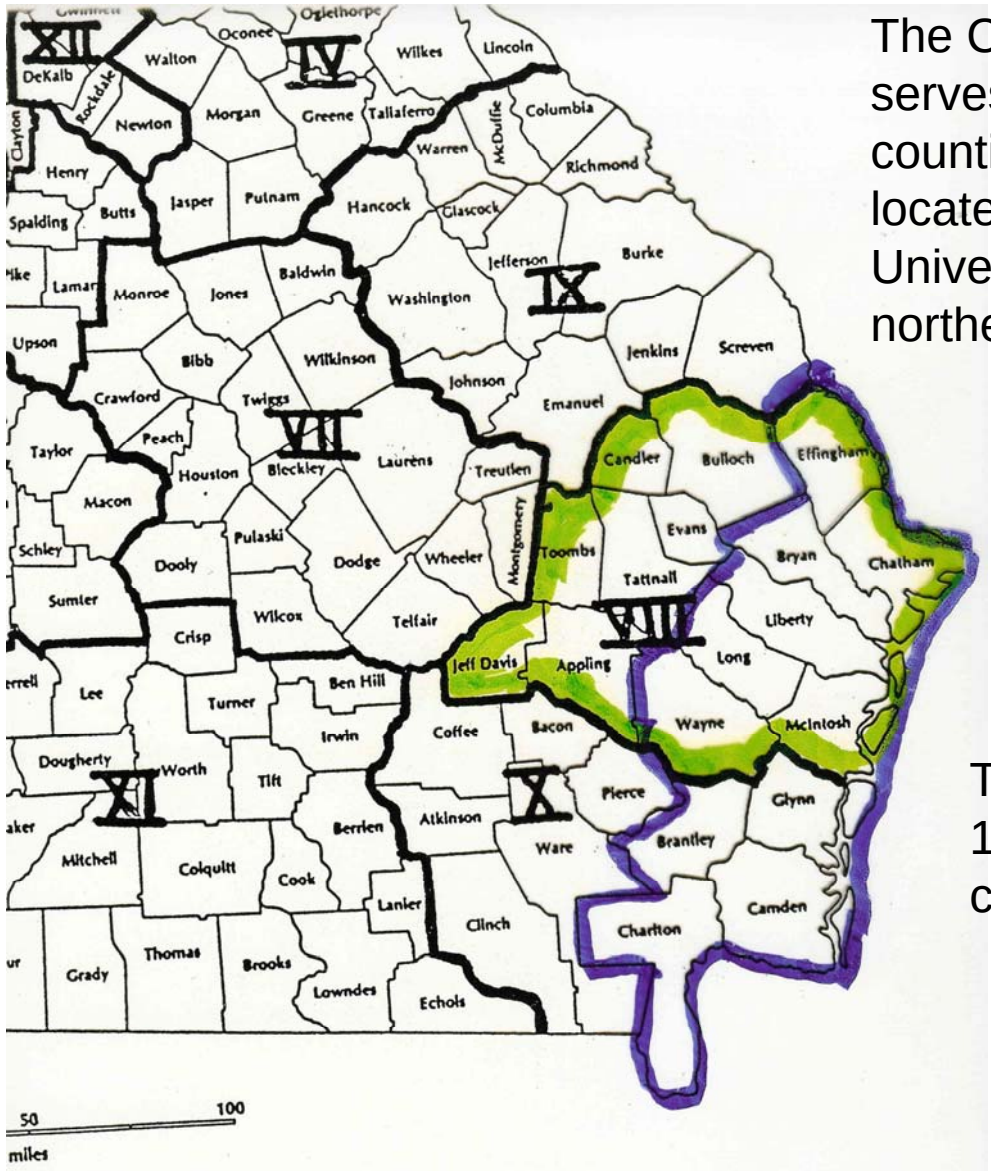
provide education and training regarding volunteer water quality monitoring,

collect water quality data throughout the state using volunteers




GA AAS Program has utilized 5 Regional Training Centers scattered throughout the state to increase effectiveness. Most are located at State Universities.

Savannah




The Coastal Region Training Center serves coastal and southeastern counties. This Coastal RTC is located at Savannah State University, in Savannah, at the northern end of Georgia's coast.

The Blue outlines the 11 Coastal Zone Management counties.

# Activities of Georgia AAS Groups

Registration includes location on maps and lat/long location for a group.

Yearly: Watershed Survey, using maps and physical surveys

Yearly: Public Outreach

Quarterly: Litter Pick Ups

Quarterly: Visual Surveys

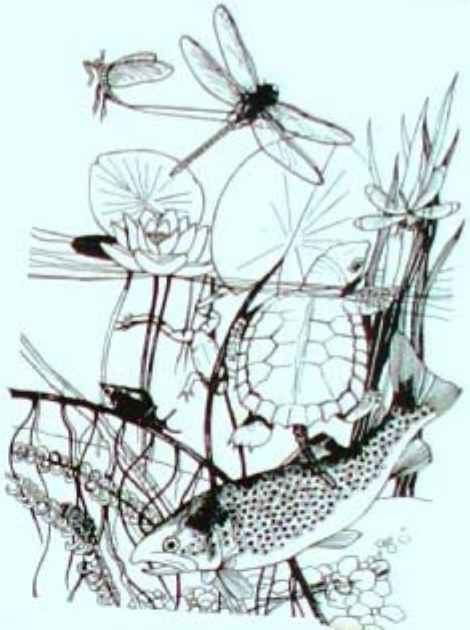
Quarterly: Biological Monitoring

Monthly: Chemical Monitoring

Adopt-A-Stream

## Visual Stream Survey

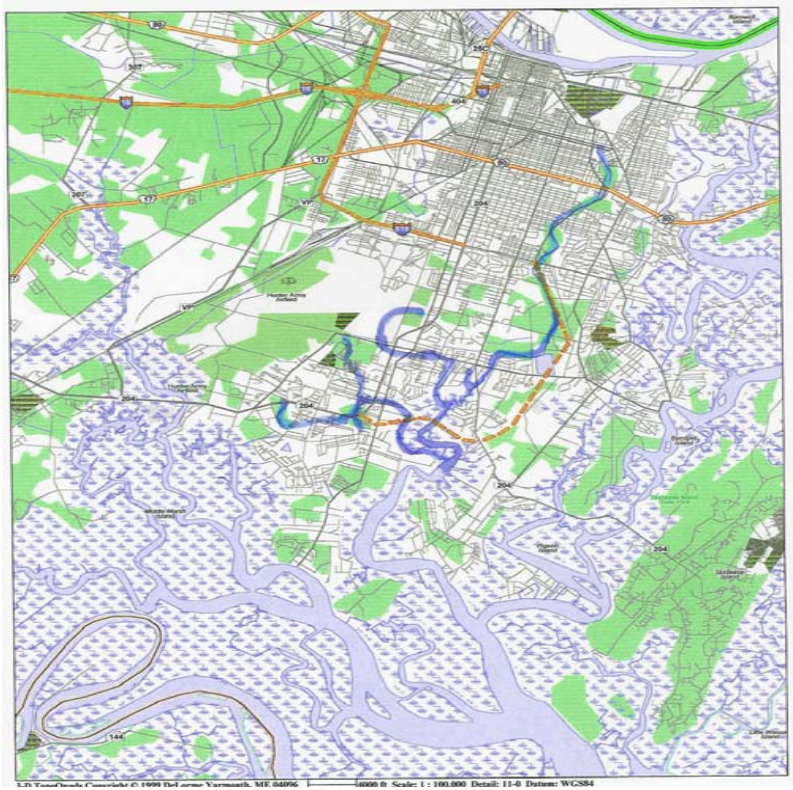
## Biological & Chemical Stream Monitoring



GEORGIA

Adopt-A-Stream

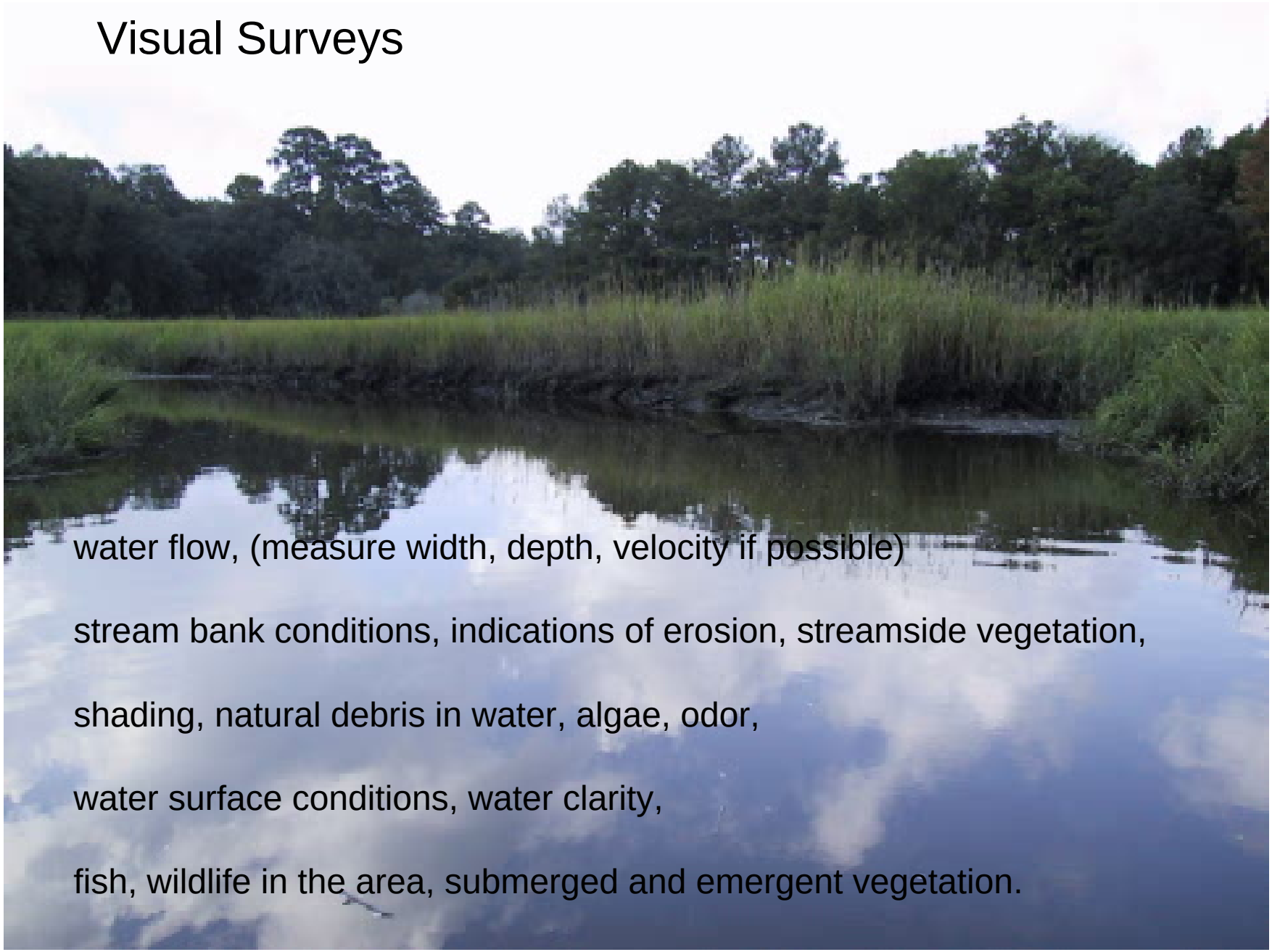
## Getting to Know Your Watershed



Watershed Surveys: Using maps and ground surveys to locate watershed boundaries, land uses within and around watershed of interest, locate sampling sites.

# Quarterly Visual Surveys

# Visual Surveys



water flow, (measure width, depth, velocity if possible)

stream bank conditions, indications of erosion, streamside vegetation,

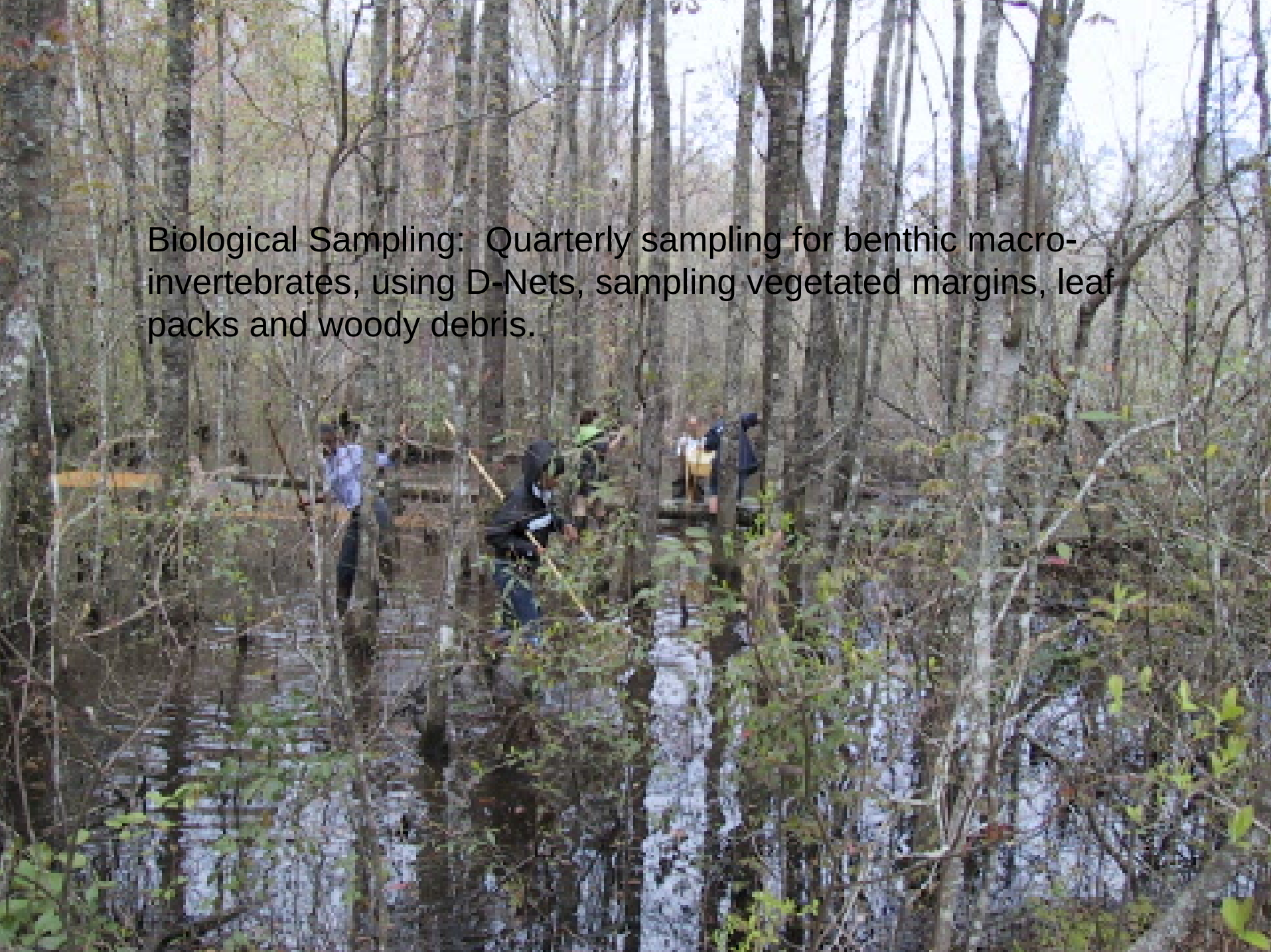
shading, natural debris in water, algae, odor,

water surface conditions, water clarity,

fish, wildlife in the area, submerged and emergent vegetation.

# Quarterly Litter Pick Ups

Old Town



Biological Sampling:  Quarterly sampling for benthic macro-invertebrates, using D-Nets, sampling vegetated margins, leaf packs and woody debris.

Benthic Macro-invertebrates are identified/classified according to levels in the GA AAS Biological Monitoring Manual (based on Isaac Walton League methods), and sampling site is scored for water quality.

## Chemical Monitoring – Monthly

Air and Water Temperature
pH
Dissolved Oxygen
"Clarity" using either:
    Settleable solids, or
    Secchi Disc
Salinity

Also recorded during each chemical sampling event are:
weather conditions, recent rainfall, water surface conditions, tide stage.

Coastal Region Training Center Activities include conducting training workshops for groups and individuals interested in participating the GA Adopt A Stream Program.

# TRAINING WORKSHOPS

Introduction, Program Overview, and Getting Started

Visual Survey Workshops (classroom and field sessions)

Chemical Monitoring Workshops (classroom and field)

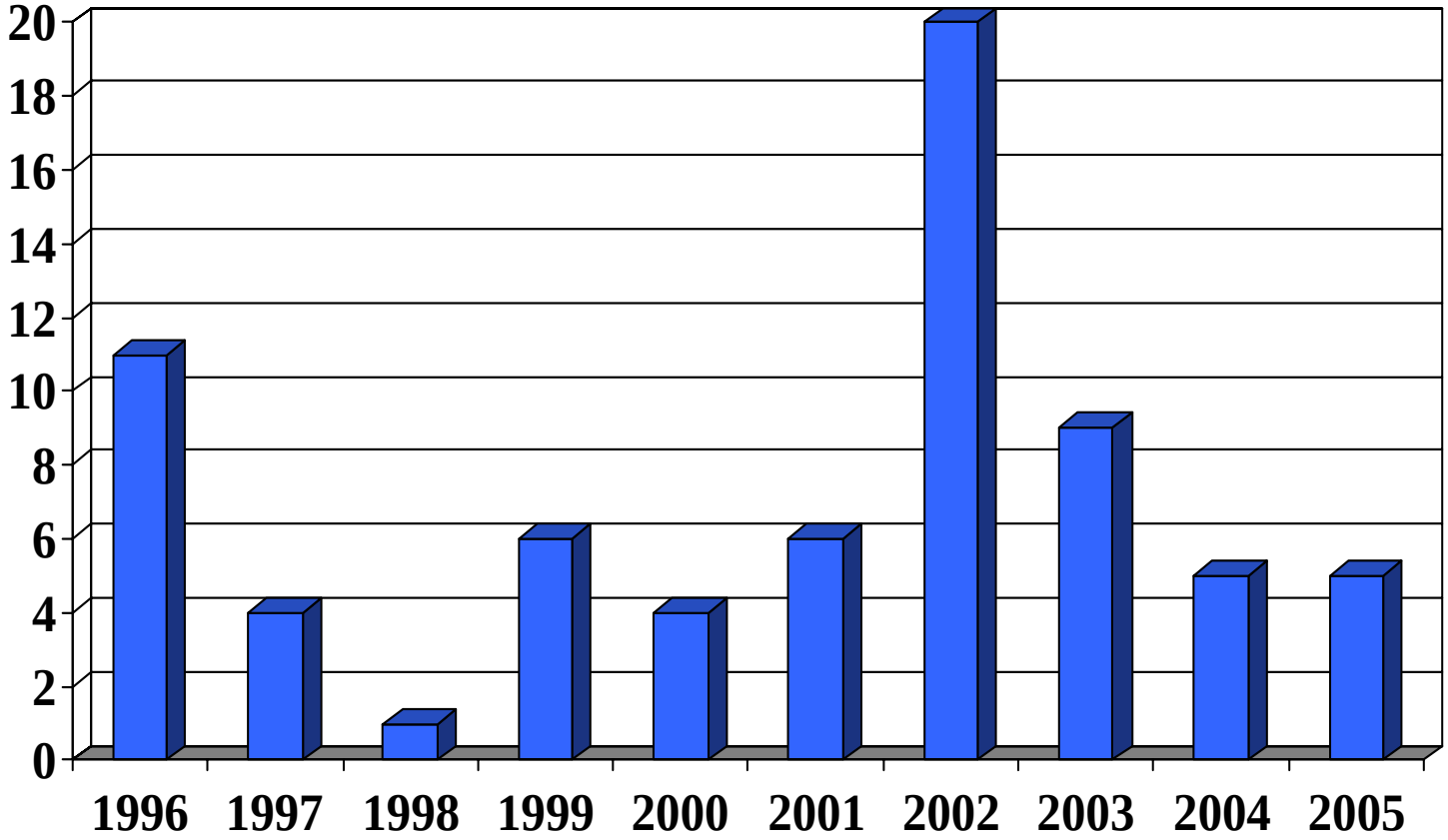
Biological Monitoring Workshops (classroom and field)

Also, QAQC Certification workshops and testing
for Chemical and Biological Monitoring
(renewal required annually)

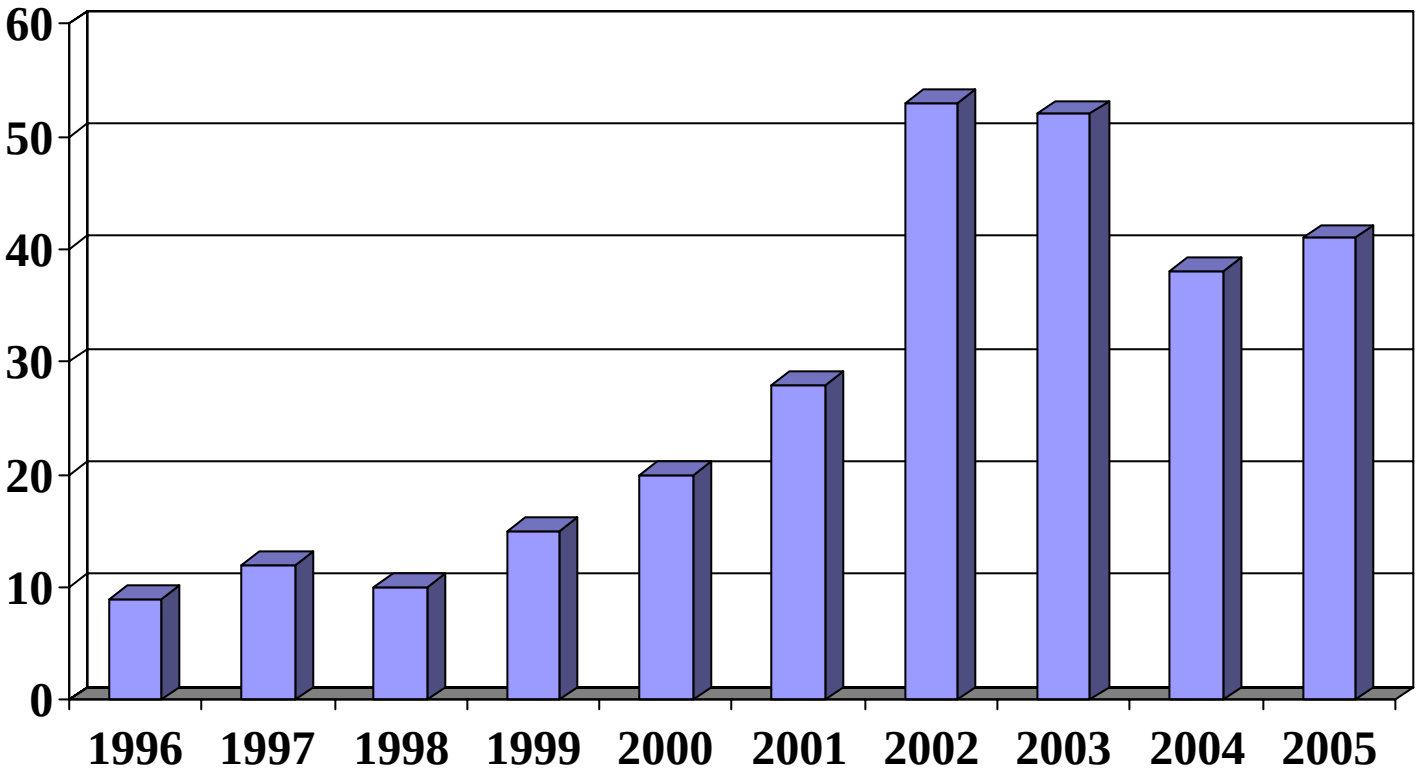
PHYSICAL/POLITICAL UNITED STATES
RAND MCNALLY PHYSICAL/POLITICAL ALASKA
Dear Mom and Dad,
Yesterday we took
a hike. I saw
and . We ate
trail mix.
Love,
big bird
(hawk)
pine cone
6.5
9
4.2
7.4
7.0
5.0

CHATHAM COUNTY
ADOPT A STREAM
S.S.U. STREAM TEAM

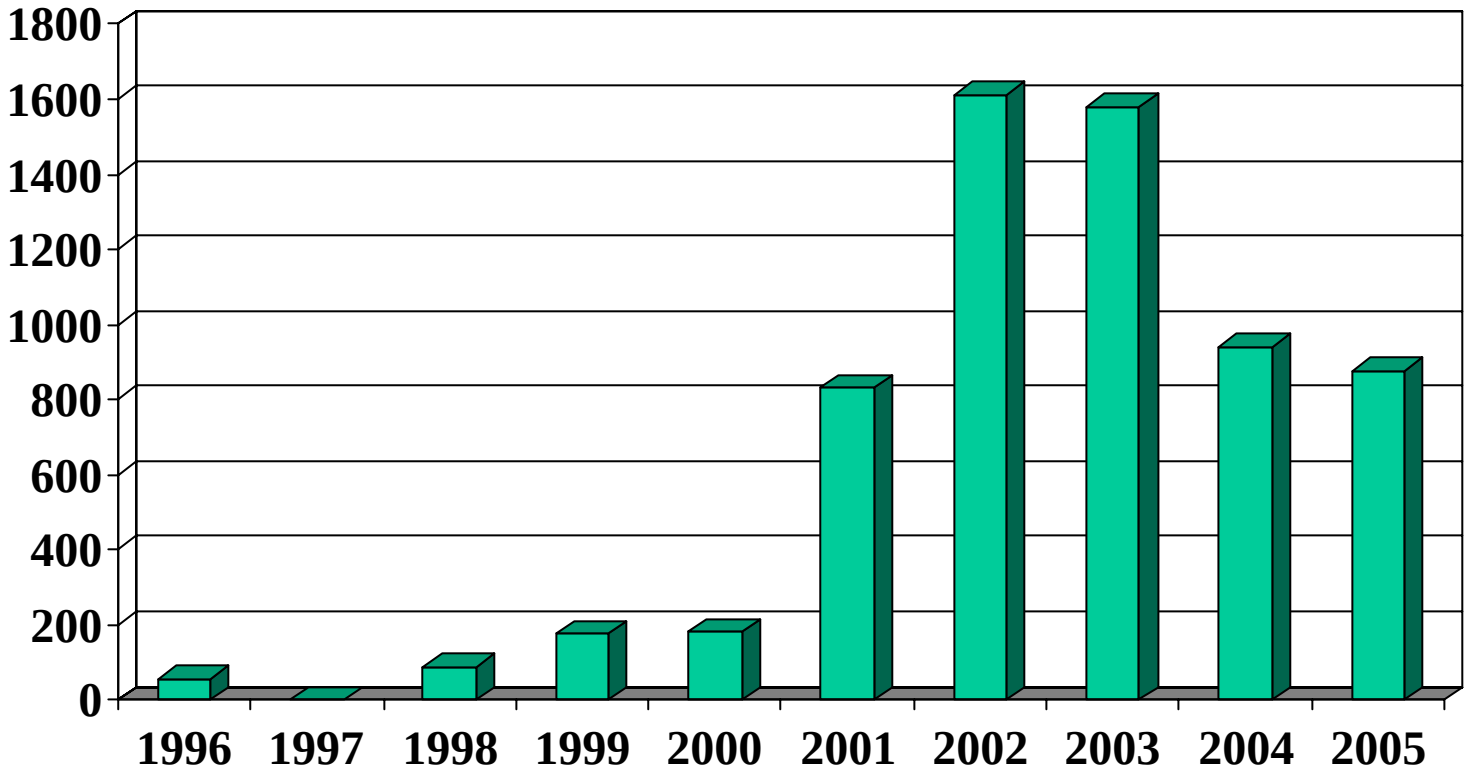
Number of new AAS groups registered each year through activities of the Coastal RTC at Savannah State Univ.



Number of Training Workshops conducted by the Coastal Region Training Center (includes Getting Started, Visual, Chemical, and Biological Monitoring Workshops).



Number of participants in workshops conducted by Coastal Region Training Center.



GA Adopt-A-Stream
stal Regional Training Ctr.
COASTAL REGION
ADOPT-A-STREAM

A
Adopt A Stream Coastal
Regional Training Center
Rivers Alive

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# Acknowledgements


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