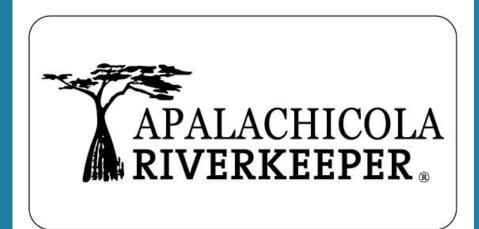
APALACHICOLA RIVER SLOUGH RESTORATION PROJECT

NATIONAL FISH & WILDLIFE FOUNDATION GULF ENVIRONMENTAL BENEFIT FUND

GEORGIA ACKERMAN
RIVERKEEPER & EXECUTIVE
DIRECTOR

GEORGIA@ APALACHICOLA RIVERKEEPER.ORG 850-321-6262







MILTON, FL



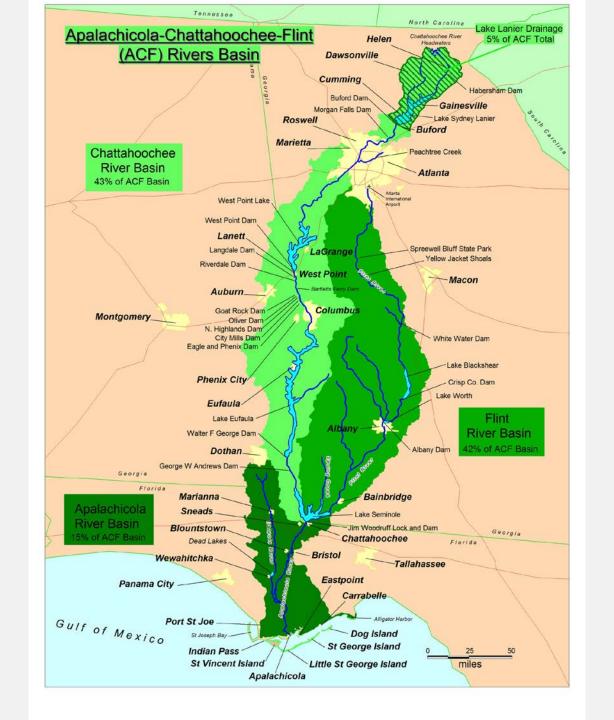
### Riparian County Stakeholder Coalition



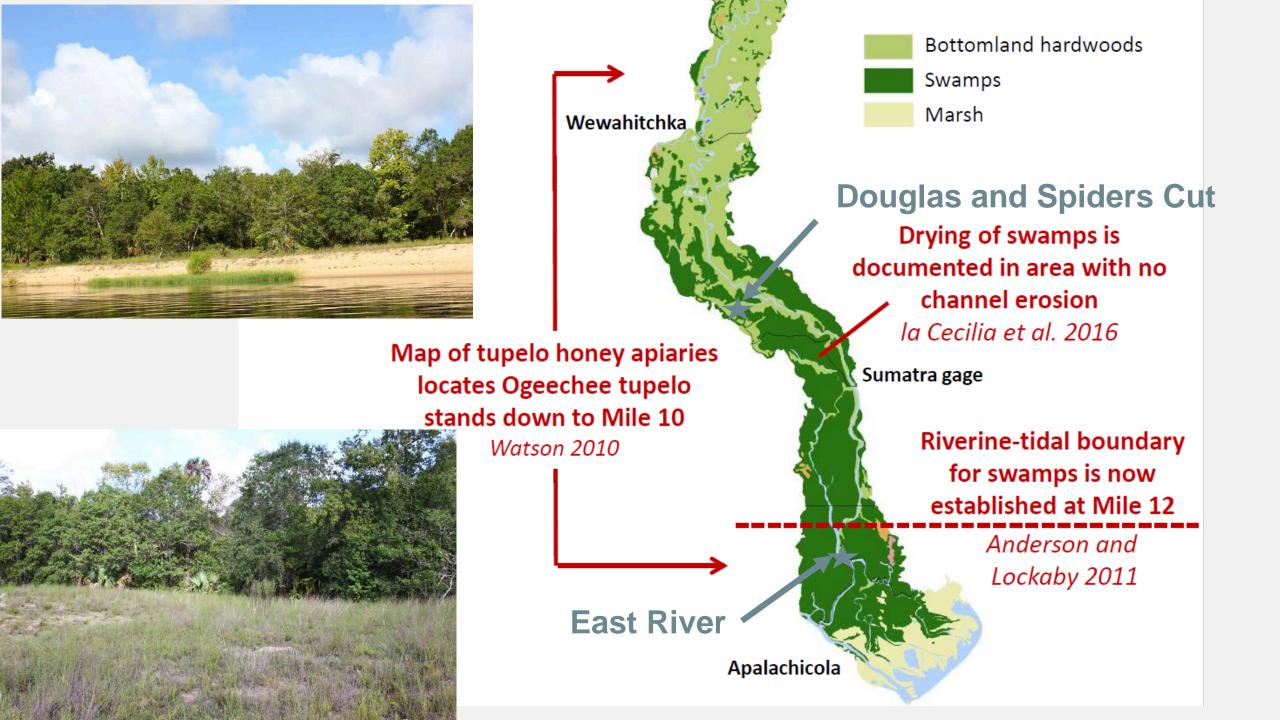
Keeping the Wild in Florida since 1936!

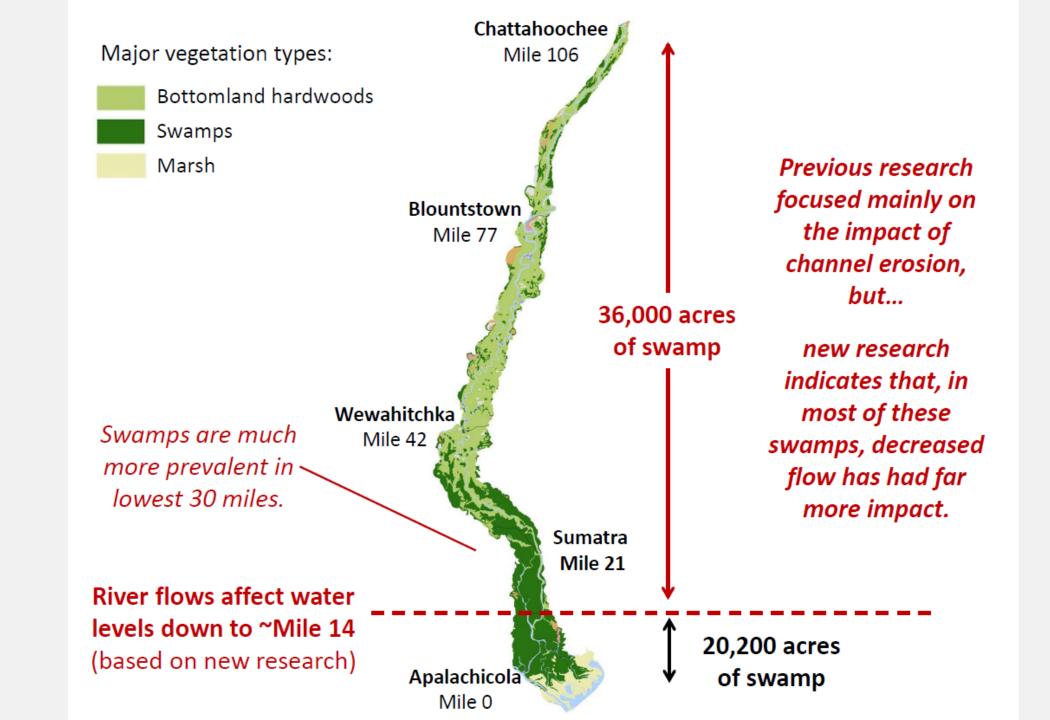




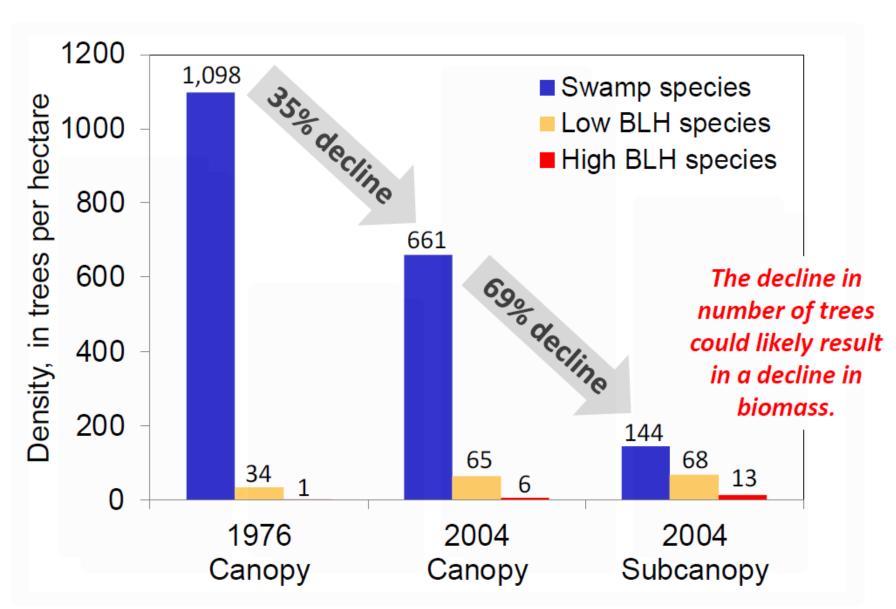




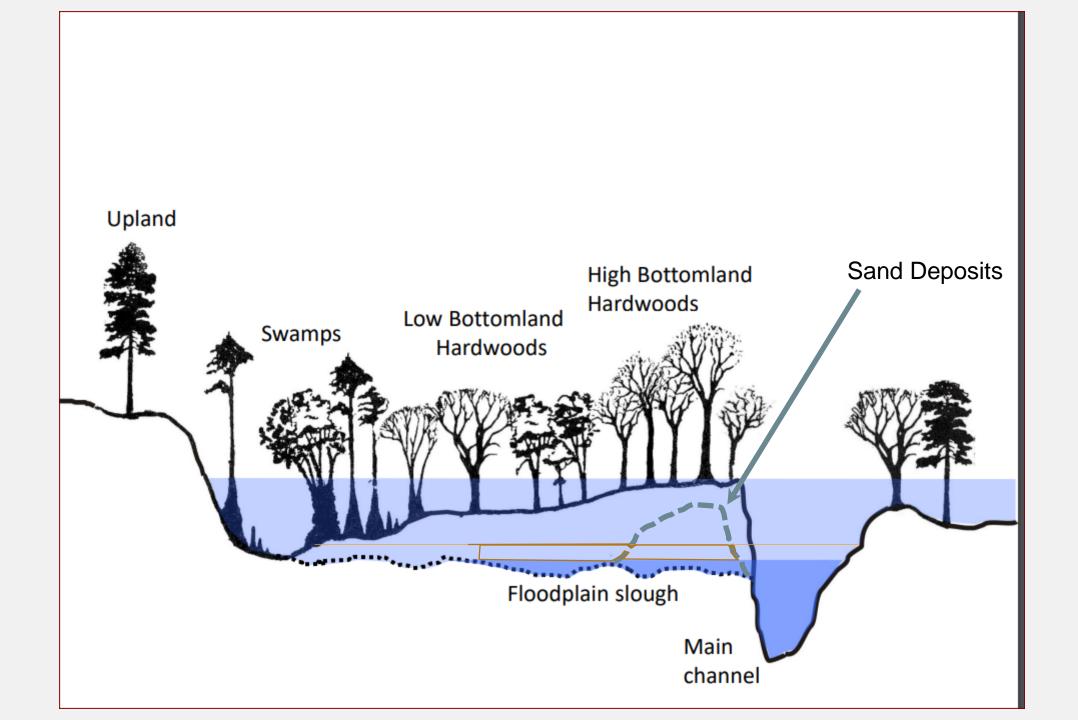


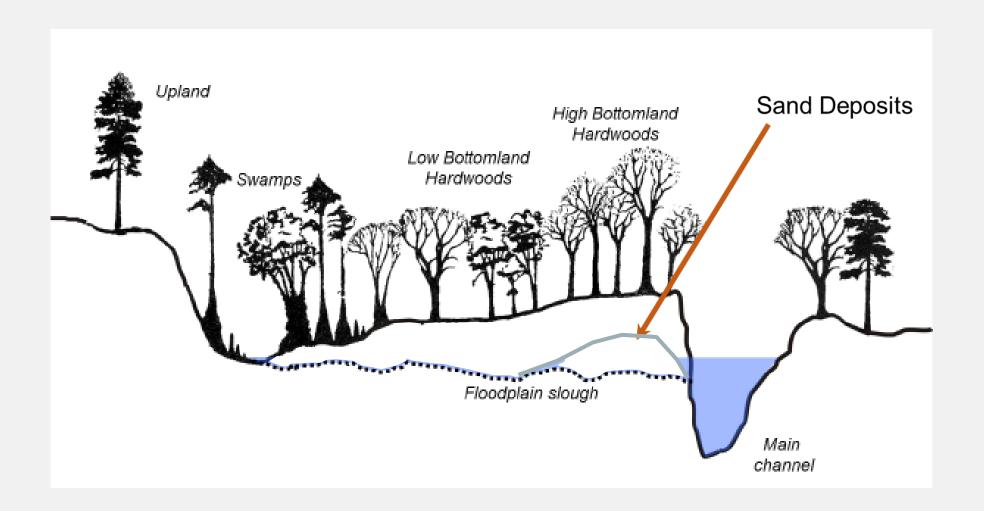


#### Number of trees in swamps has declined dramatically



Darst & Light 2008



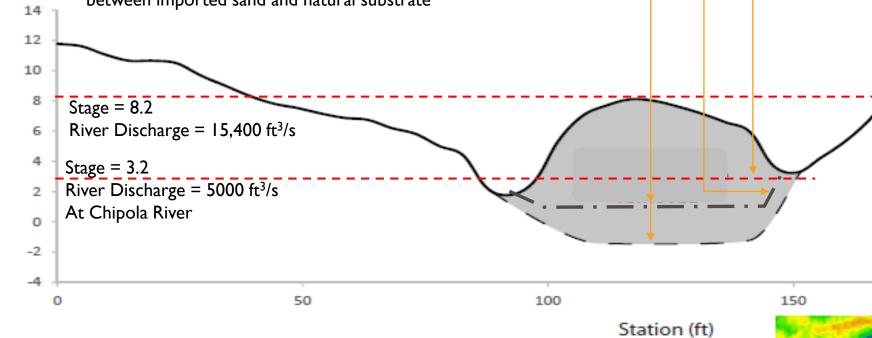


# Sediments to be removed Template shall be below the river discharge stage = to 5000 cfs or lower

Elevation (ft-NAVD88)

Template shall not impact banks, leaving appropriate buffer

 Template shall not impact bottom, leaving buffer between imported sand and natural substrate



Conceptual X-Section for Slough Excavation

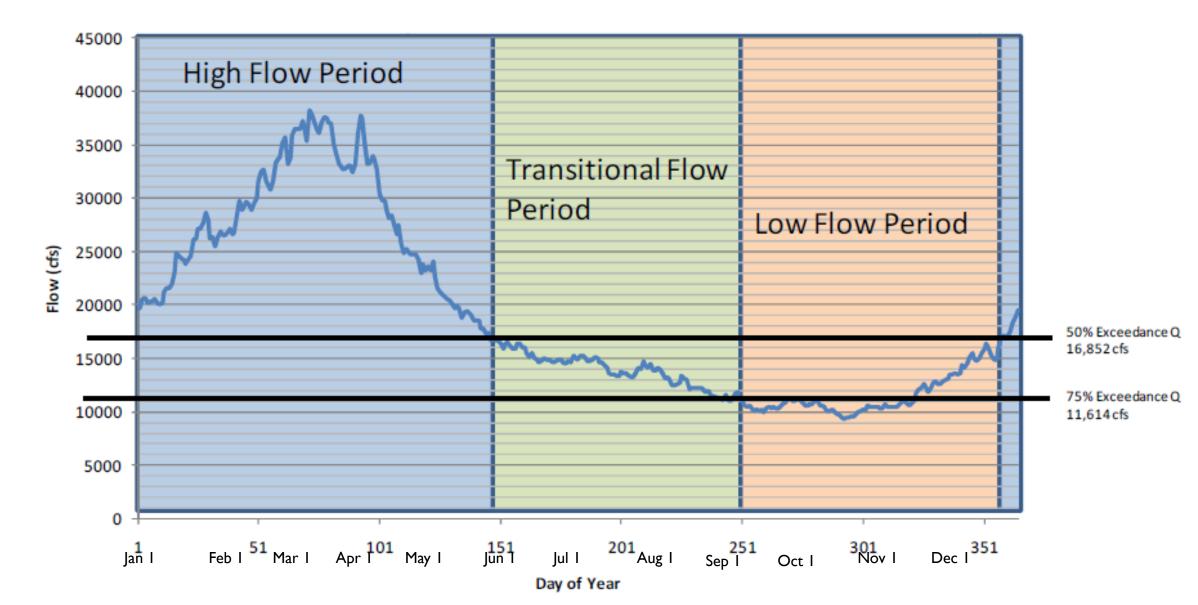
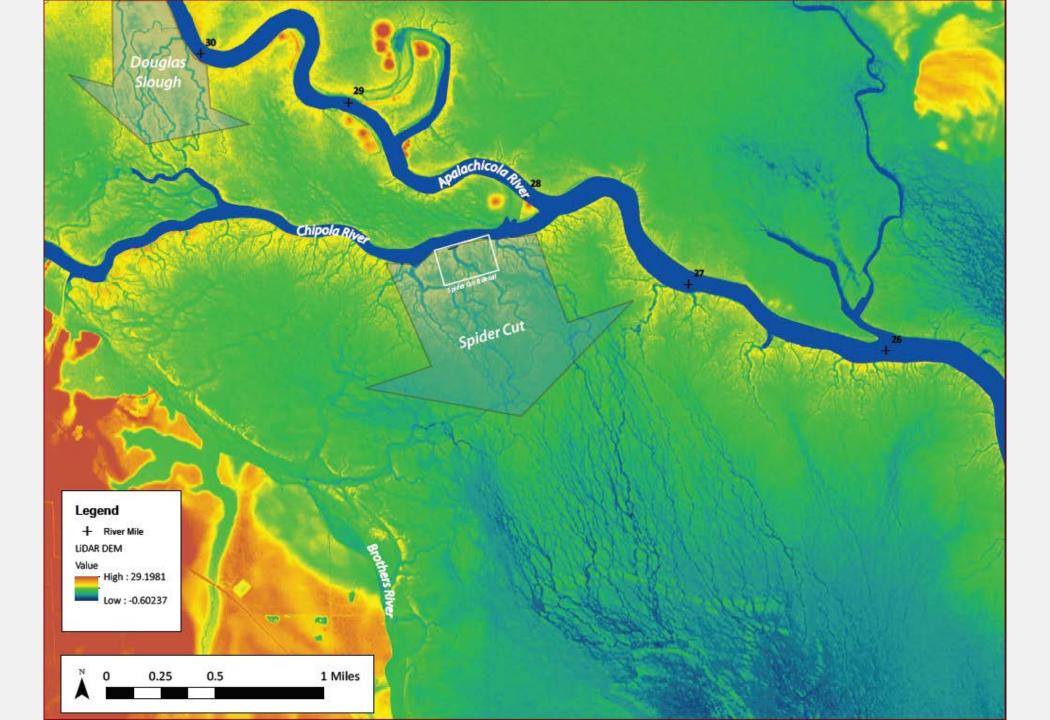
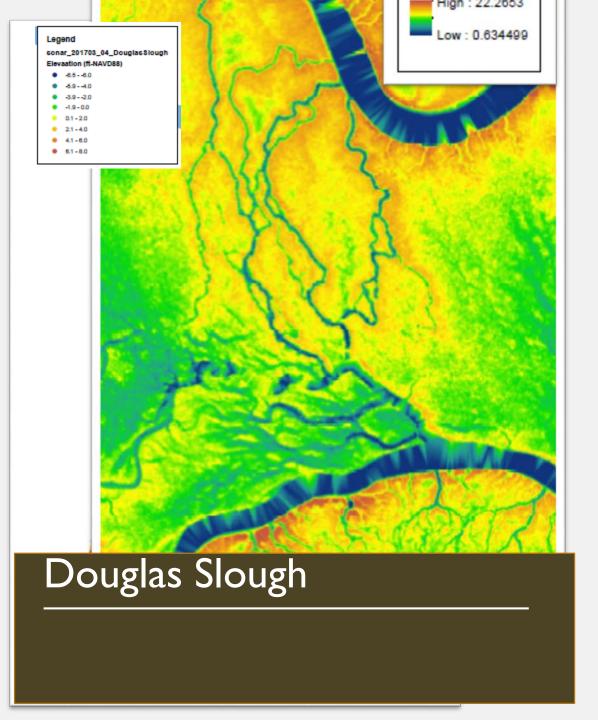


Figure 6. Illustration of high, transitional (medium), and low flow period designations (Median Daily Flow –Apalachicola at Chattahoochee for POR 1939-2008).







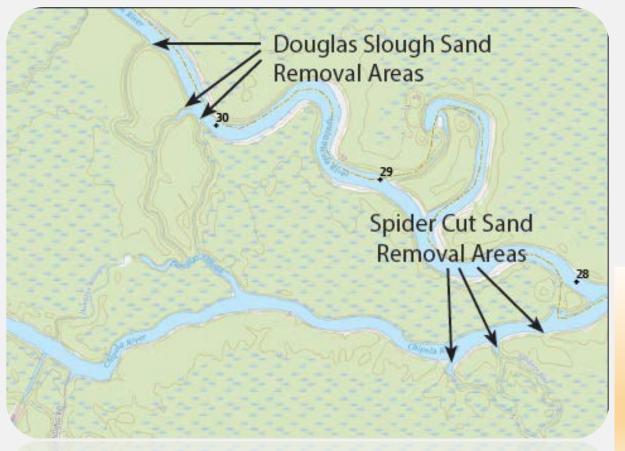


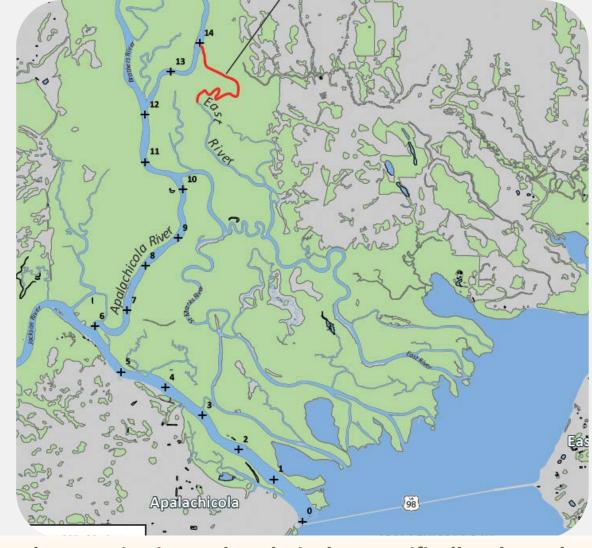




## What the project will accomplish

- Sand removal in three sloughs
- Documenting the benefits for this type of restoration
- Develop and test methods for the cost effective and environmentally sound way in which to conduct this work.

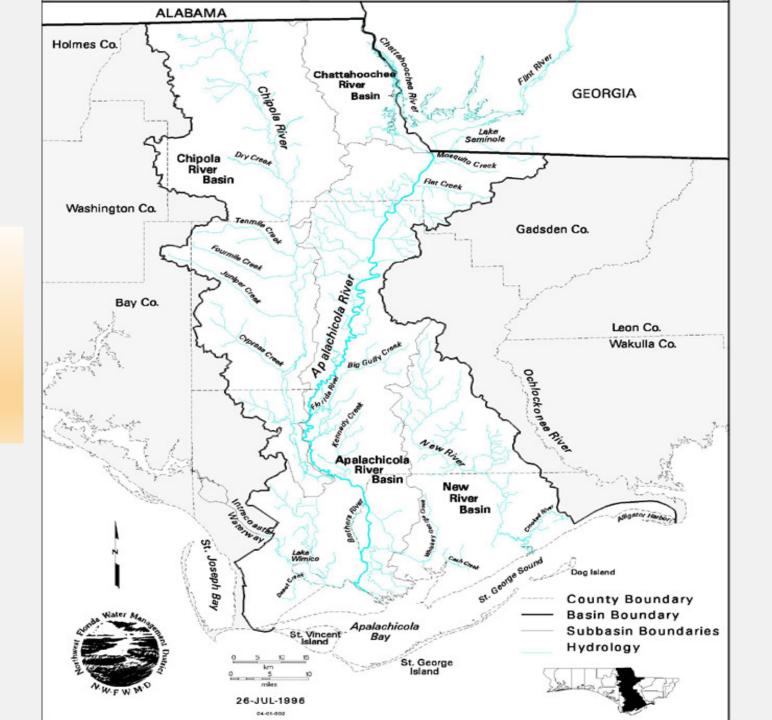




- Conduct monitoring and analysis that specifically relates the benefits of slough restoration and hydrologic connectivity of the mainstem of the river to the floodplain
- Develop a Geomorphic/Hydrologic Restoration Plan
- Provide public outreach and education.



The healthy mix of nutrients that come out of this system fuel Eastern Gulf of Mexico fishery.



# **Project Team**

Ken Jones, Georgia Ackerman, Matt Deitch, Michael Gangloff, Andrew Gannon, Matt Kondolf, Melissa Samet, Ajay Sharma, Dan Tonsmeire and Scott Walls

