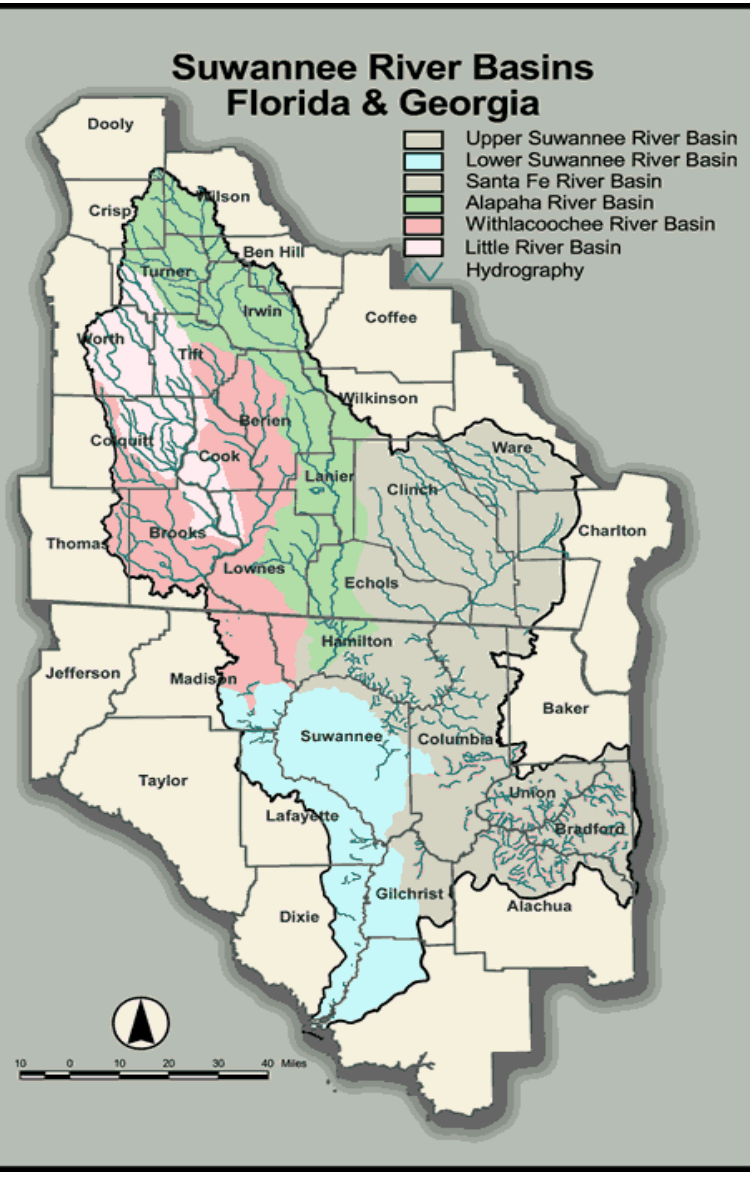
Suwannee River Basin and Estuary--Integrated Science Workshop



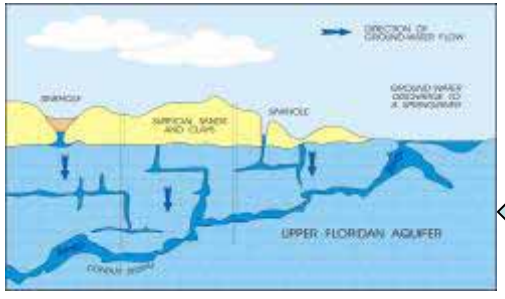
- *SR originates in the Okeefenokee Swamp, changing dramatically as it moves downstream, reflecting differences in hydrology, physiography, and land cover*

- *Contains an unique, and diverse mixture of subtropical forests, wetlands, springs, karst, tidal and blackwater rivers, and unaltered estuary system*

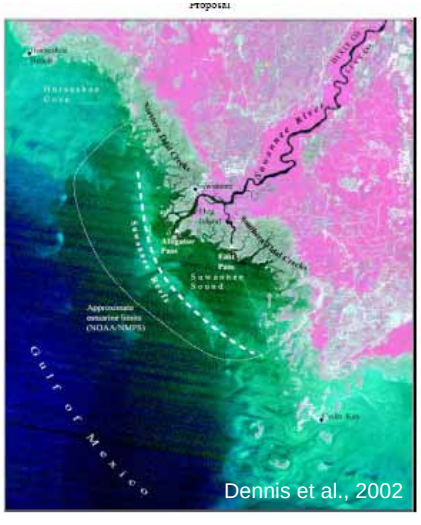
- *Provides refuge for the threatened Gulf Sturgeon and the endangered West Indian Manatee, decapod crustaceans, rare mussel species, and other biota.*

Suwannee River and Estuary– Three Linked Hydrogeologic Regimes

Upper Suwannee basin



Middle and Lower Suwannee



Dennis et al., 2002

Estuary System

Suwannee River Basin and Estuary—Priorities, Concerns, Opportunities

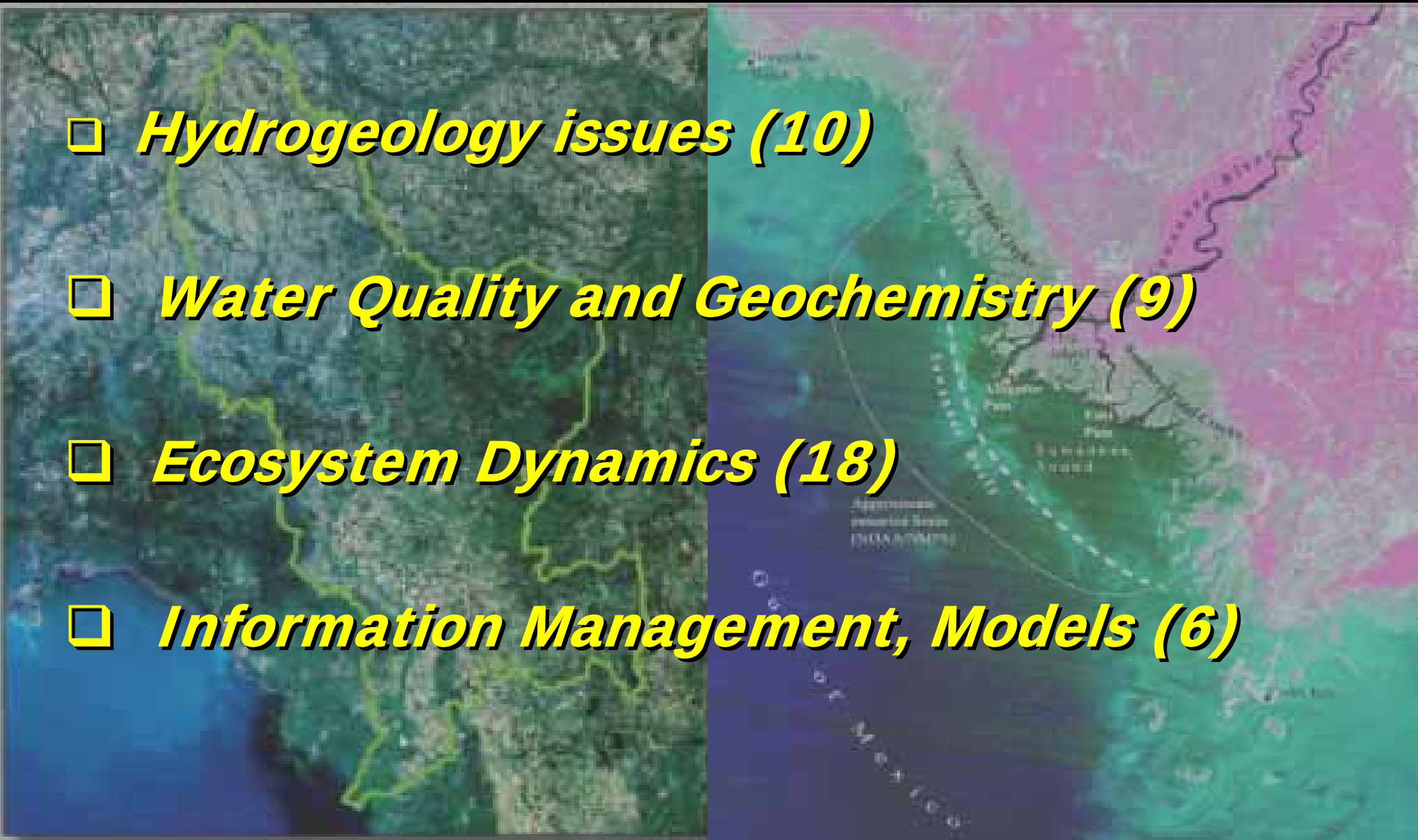
- Unique combination of karst and surface hydrology; subtropic climate, diverse and abundant biota
- Water resources are highly susceptible to contamination due to karst features and high nutrient loading
- High risk for decreased water availability from within basin demands and outside metro areas
- High "natural" value; large ecotourism industry tied to economy
- Serves as baseline model for more developed/ altered southeastern watersheds
- Existing partnerships (SBIA) show that agencies and citizens are motivated to work together

Suwannee River Basin and Estuary--Integrated Science Workshop

Stakeholders, Partners, Others

- U.S. Fish and Wildlife Service
- U.S. Dept. Agriculture
- U.S. Geological Survey
- Suwannee River Water Management District
- Florida Dept. of Environmental Protection
- Florida Dept. of Health
- Florida Dept. of Agriculture and Consumer Services
- Florida Fish and Wildlife Conservation Commission
- Georgia Dept. of Natural Resources
- Florida Marine Research Institute
- Universities (UF, UCF, FSU, USF)
- Environmental consortia:
  - Ichetucknee Springs Water Quality Working Group
  - Santa Fe Springs Water Quality Working Group
  - The Nature Conservancy, etc.

Suwannee River Basin and Estuary—Integrated Science Workshop--Topics



- Hydrogeology issues (10)
- Water Quality and Geochemistry (9)
- Ecosystem Dynamics (18)
- Information Management, Models (6)

Suwannee River Basin and Estuary—Integrated Science Workshop -- Goals

- Present ongoing research activities
- Identify information gaps and research needs
- Promote opportunities for coordinating and integrating research activities
- Generate useful products