

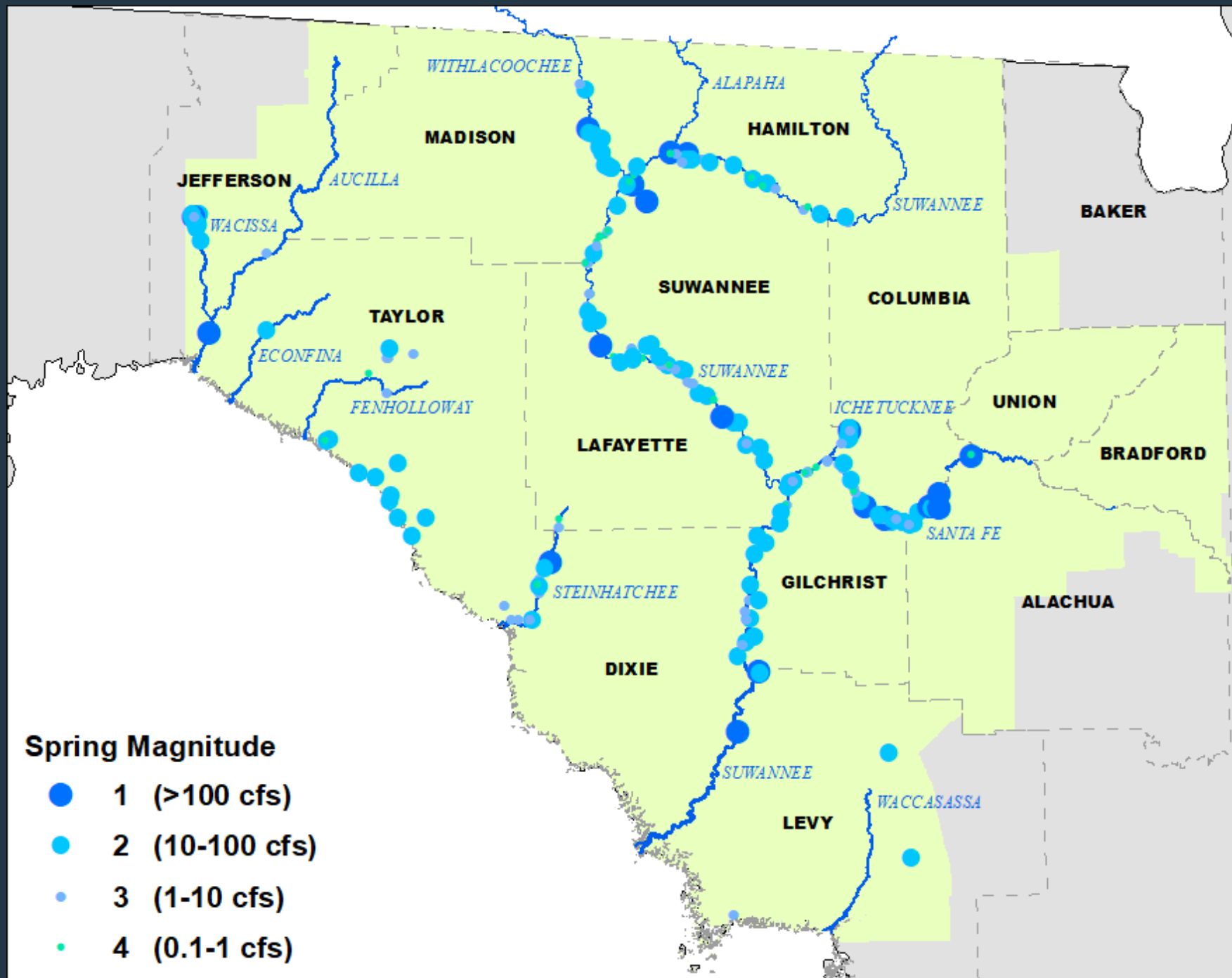


Development of Environmental Flow Analyses for Spring Systems in the Suwannee River Basin



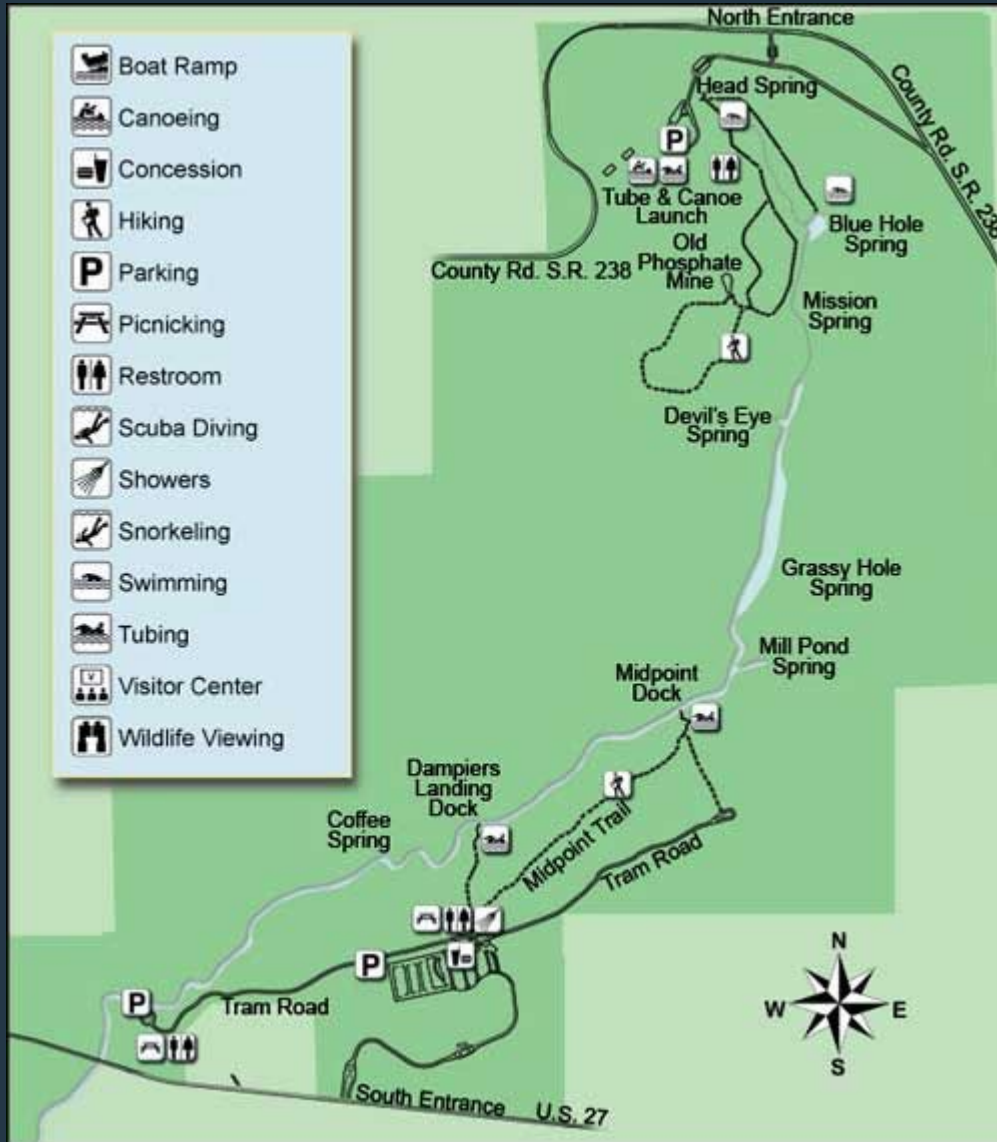
University of Florida Water Institute Symposium – February 22, 2022







Ichetucknee River





Ichetucknee River MFL Metrics

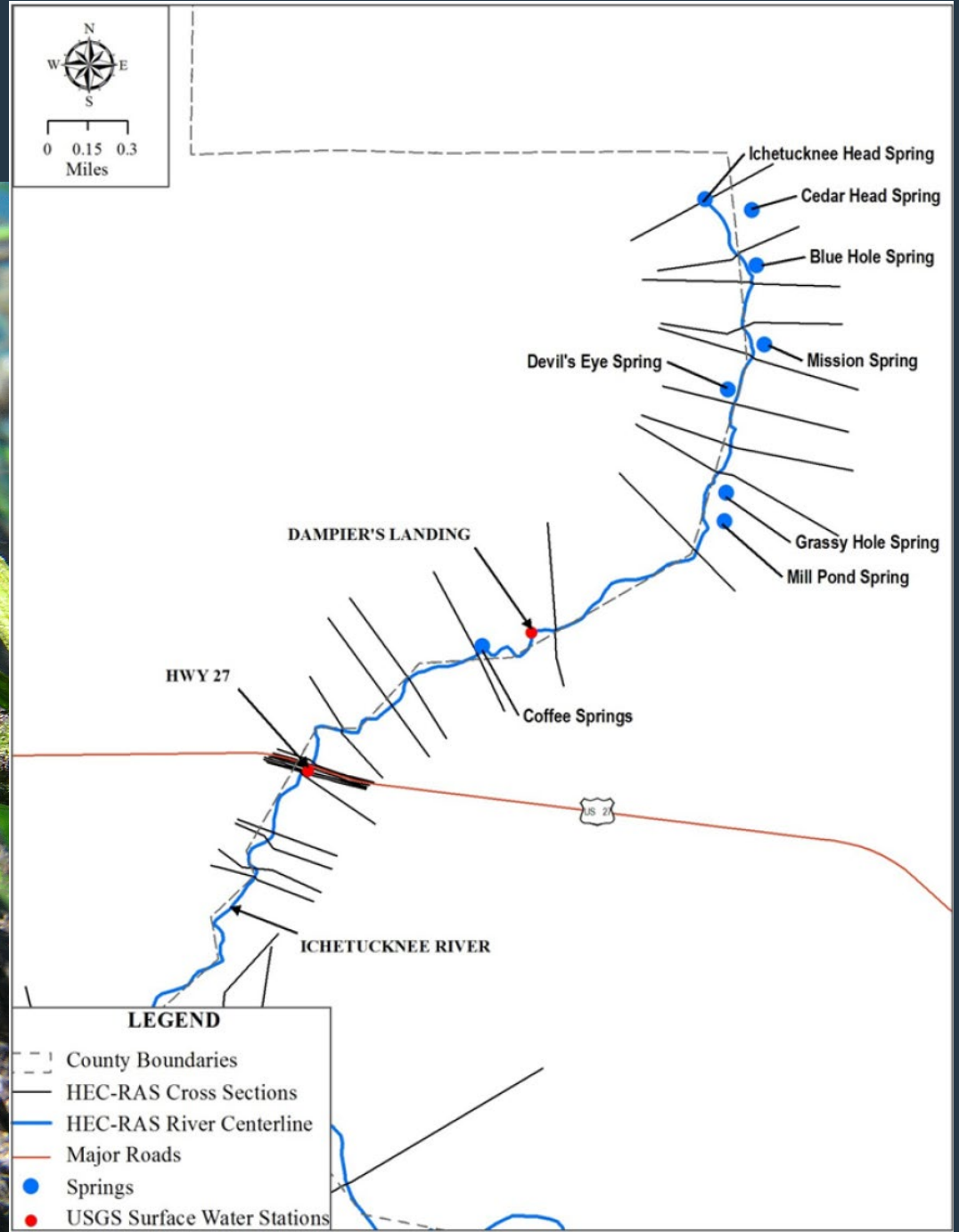
- Floodplain inundation
- Woody habitat inundation
- Instream habitat (SEFA)
- Fish passage
- Sediment loads
- Recreation – Tubing
- Manatee thermal refuge
- Aquatic vegetation



Jason Gulley



Ichetucknee River





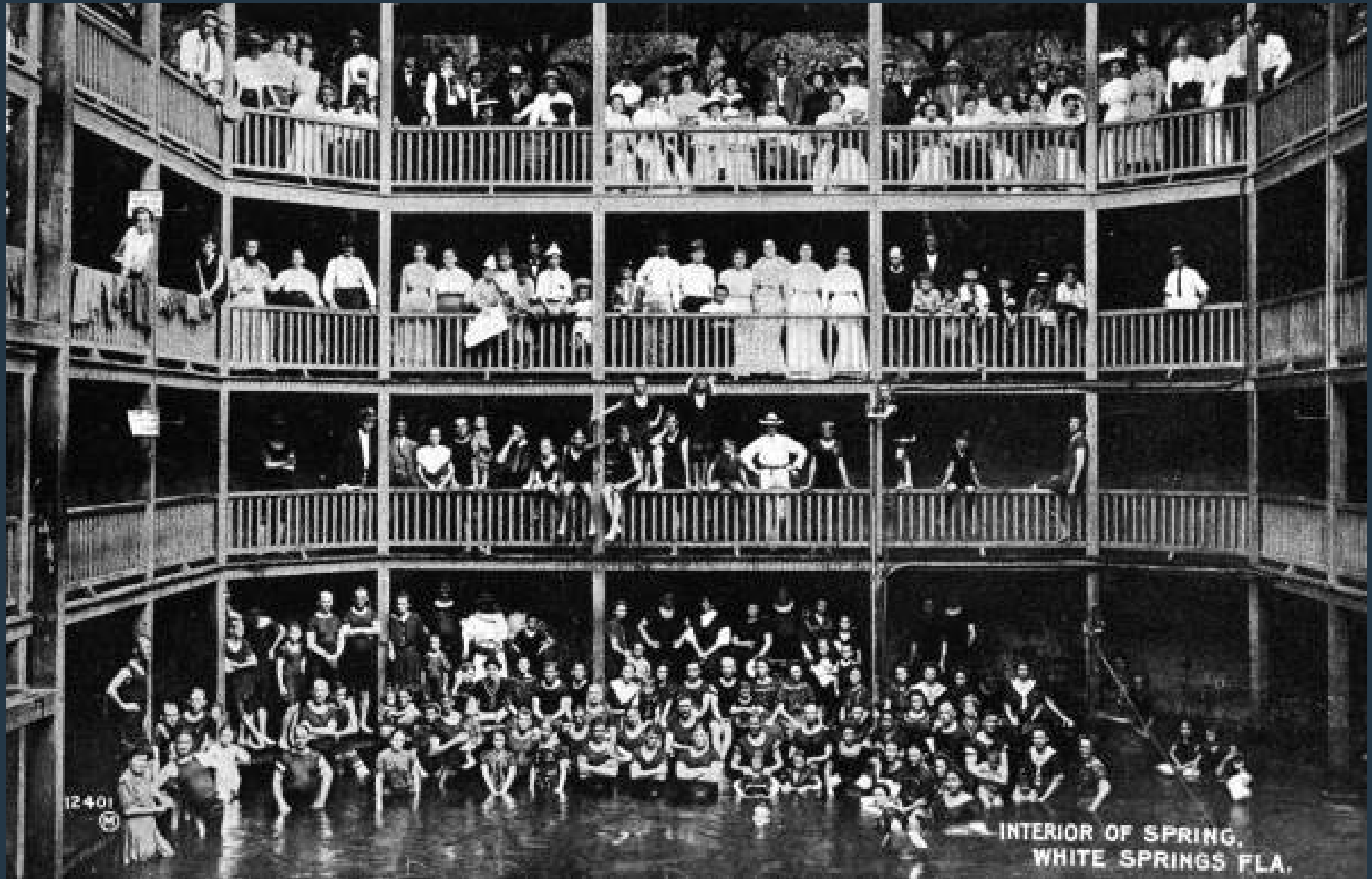
Madison Blue Spring





Madison Blue Spring





12401

INTERIOR OF SPRING,
WHITE SPRINGS FLA.







Springs-specific Metrics (Under Evaluation)

Limiting non-flowing days

- White Sulphur Springs

Recreation- bathing/swimming

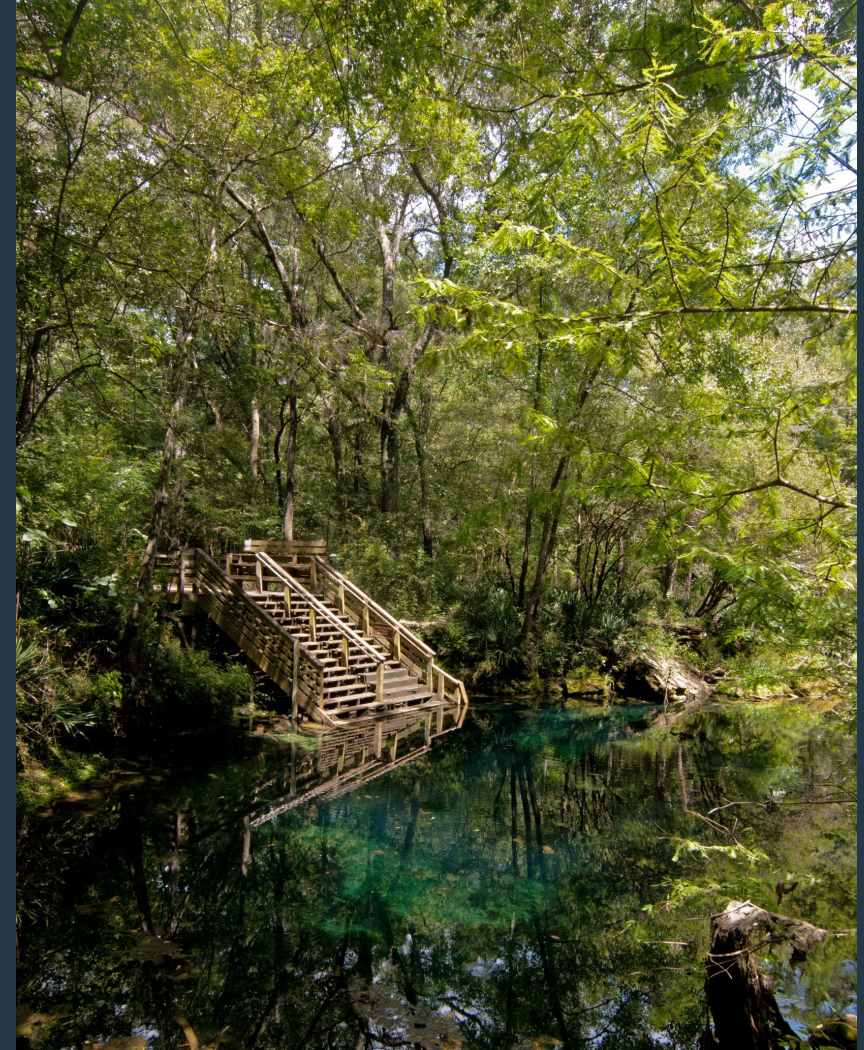
- Suwannee Springs

Limiting river flood impacts (brown-outs)

- Peacock, Lafayette Blue, Troy

Channel morphology

- Peacock, Allen Mill Pond, Otter



Peacock Springs



SUWANNEE RIVER

WATER MANAGEMENT DISTRICT

QUESTIONS?

Naked Spring at Ruth B. Kirby Gilchrist Blue Springs State Park