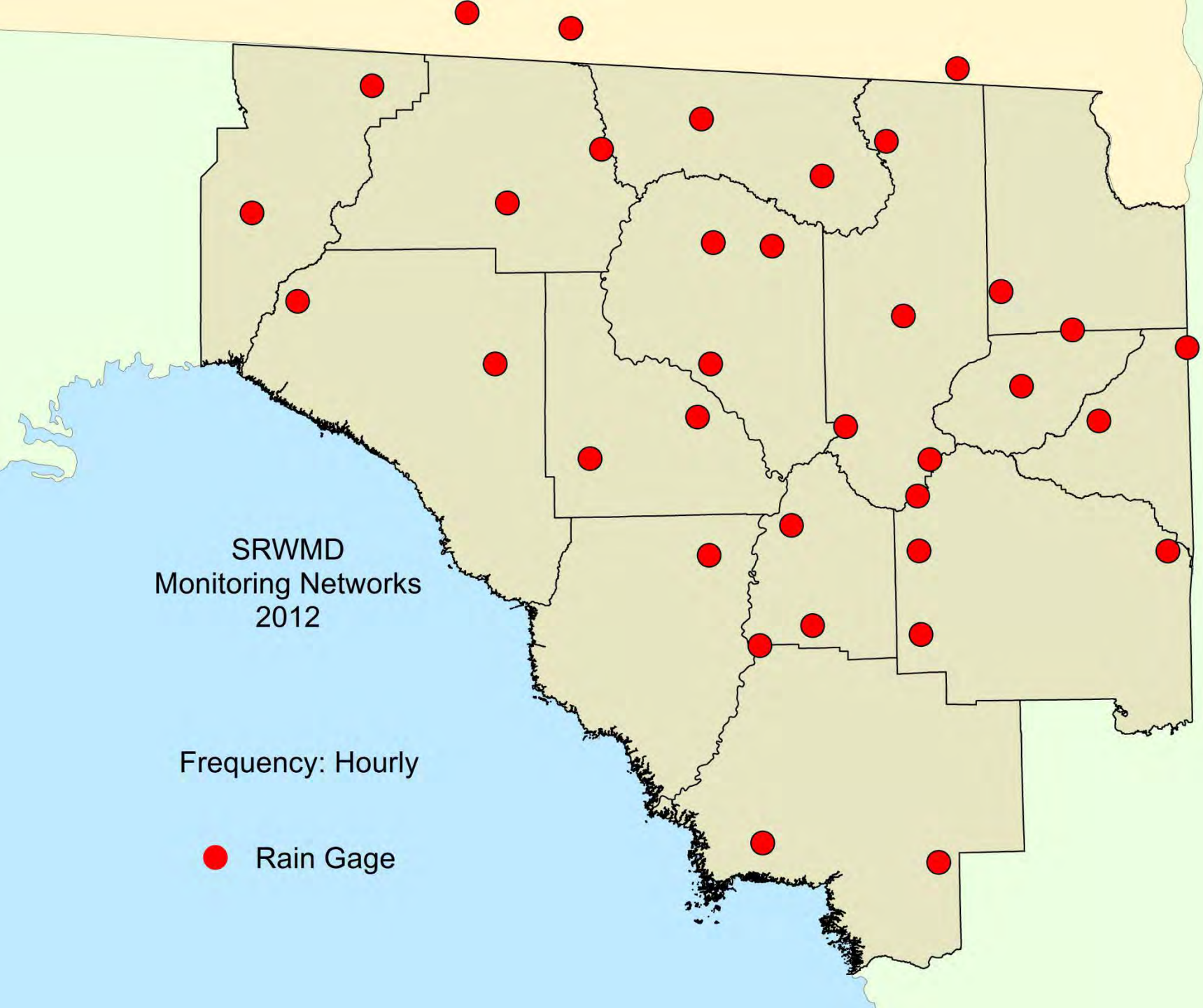
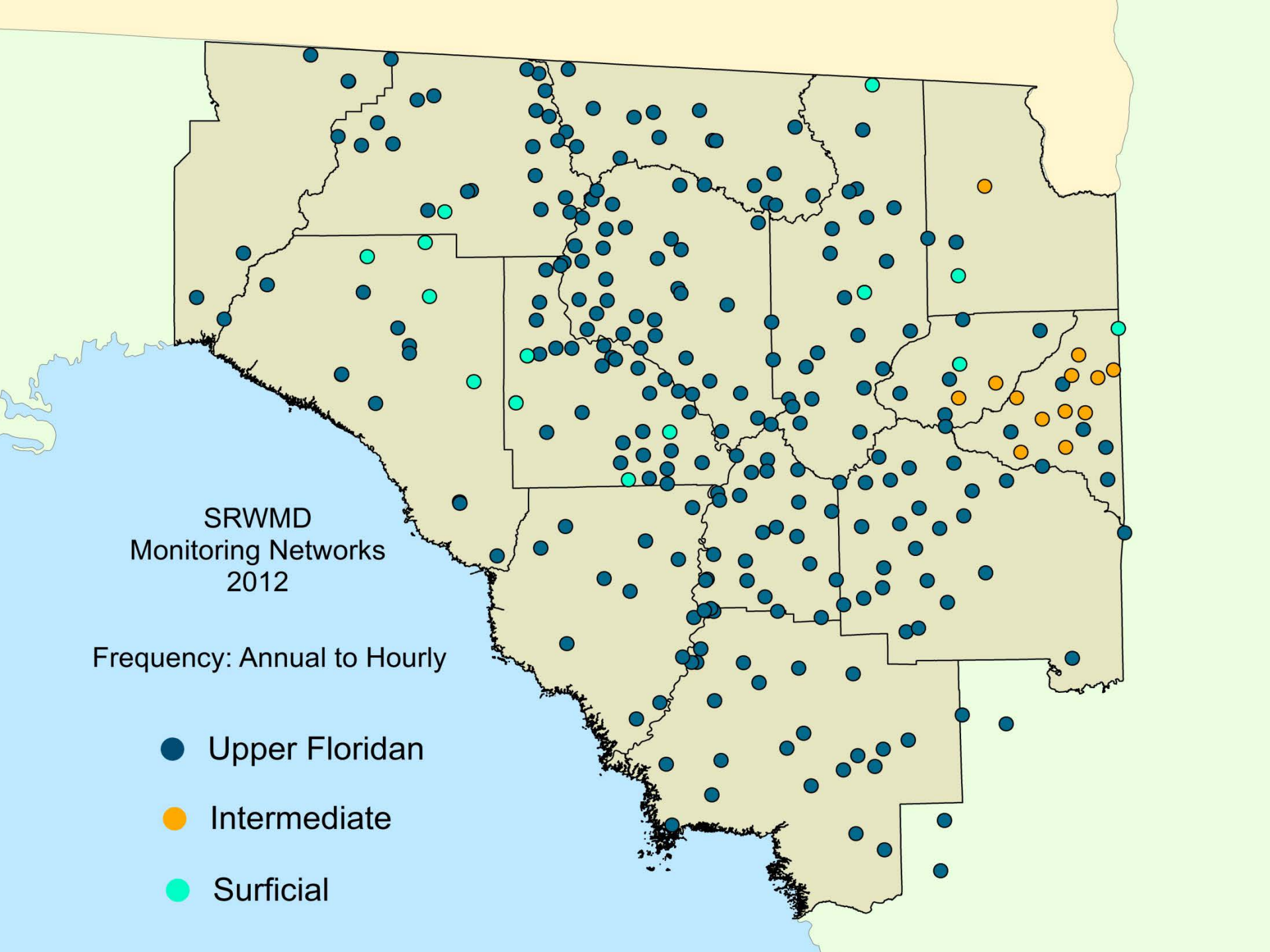
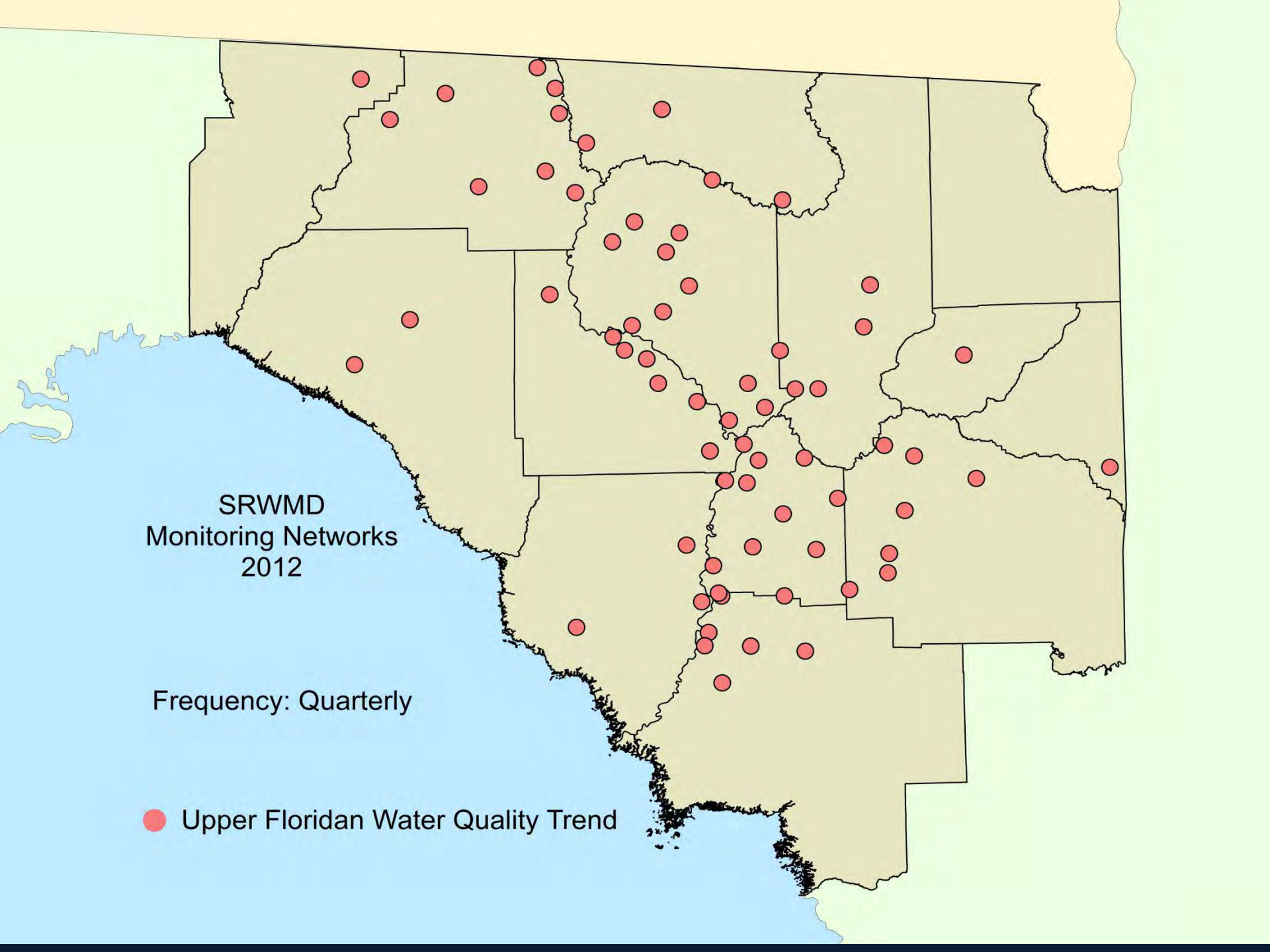


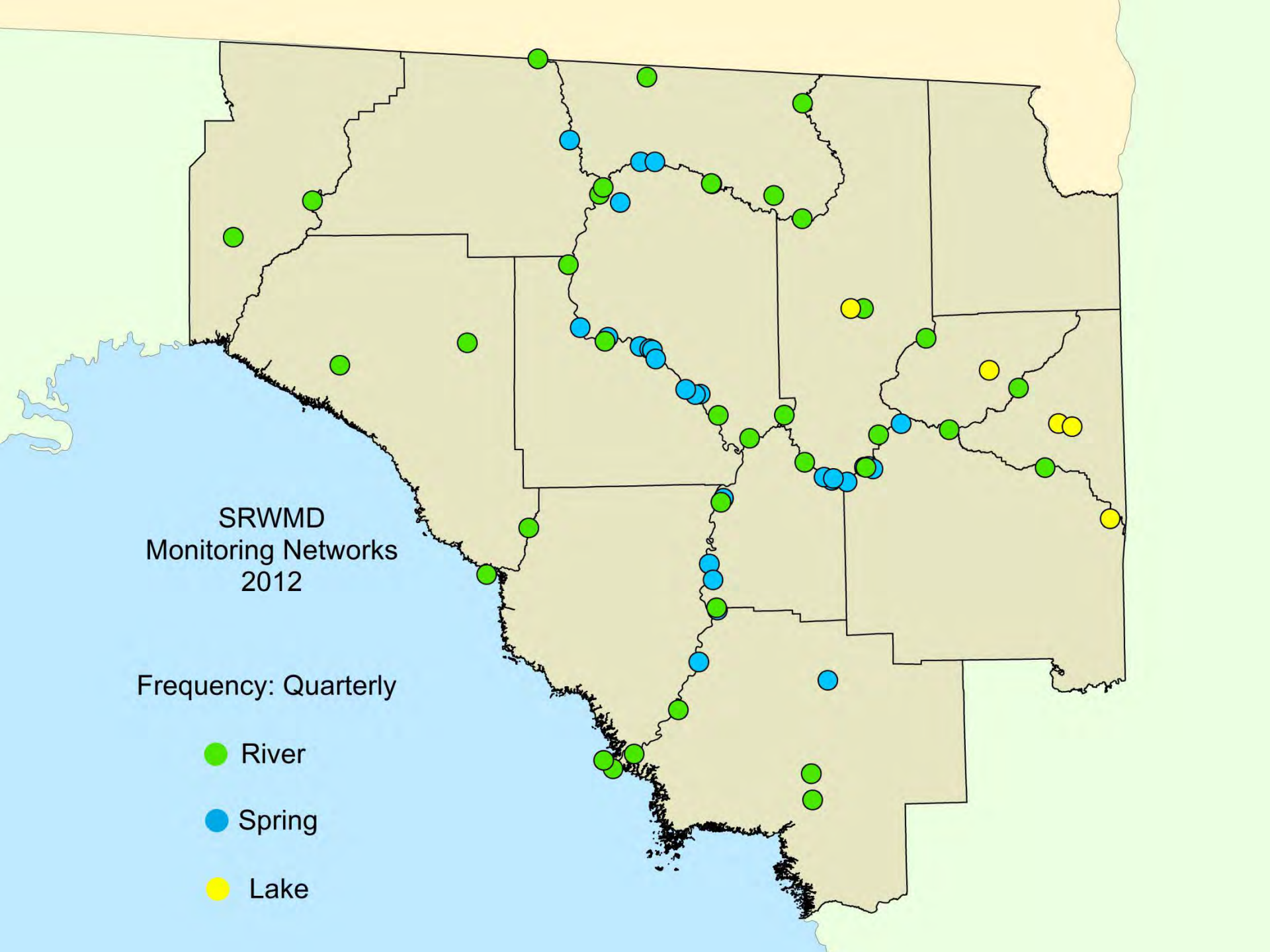
SRWMD HYDROLOGIC MONITORING 2012





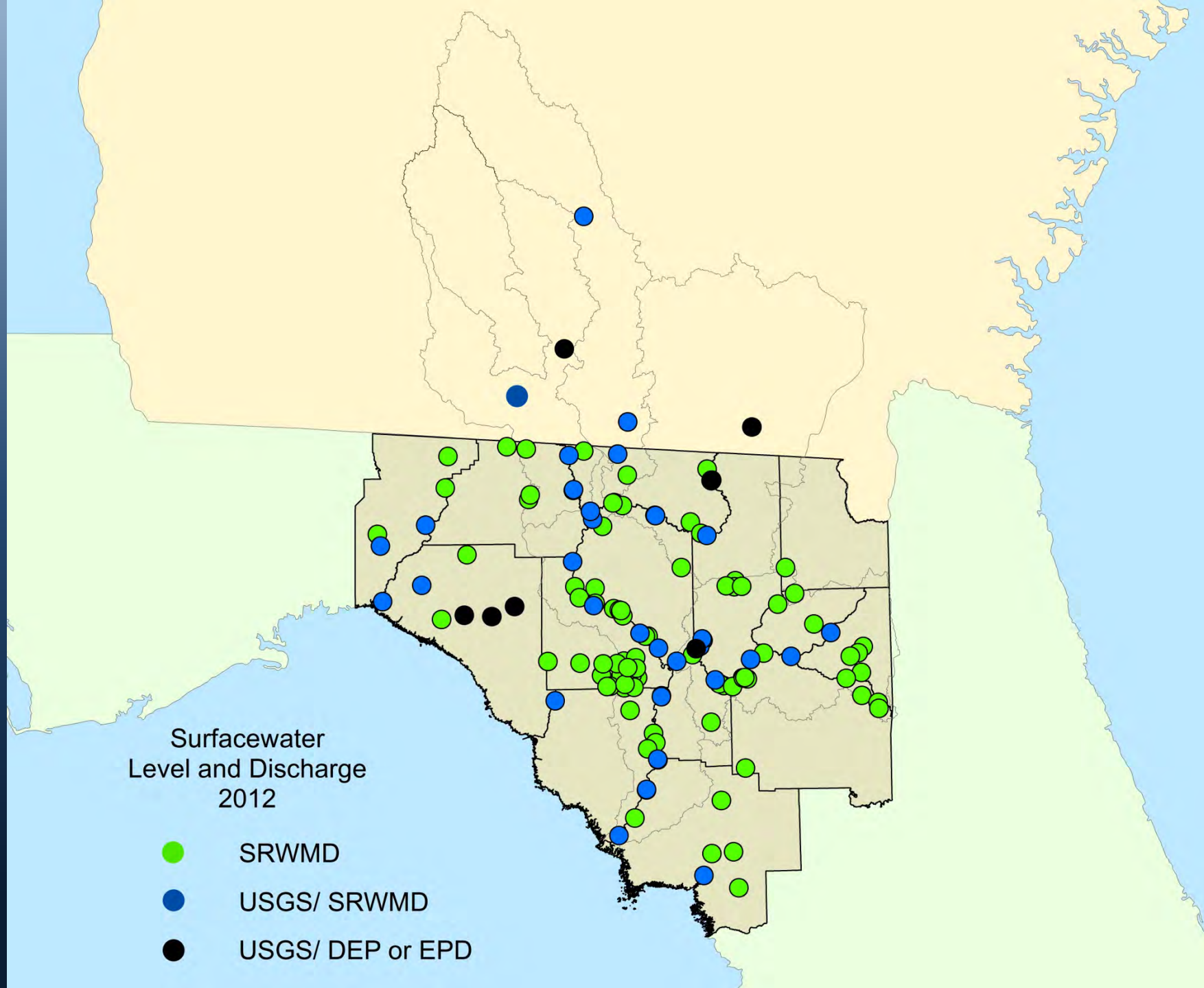


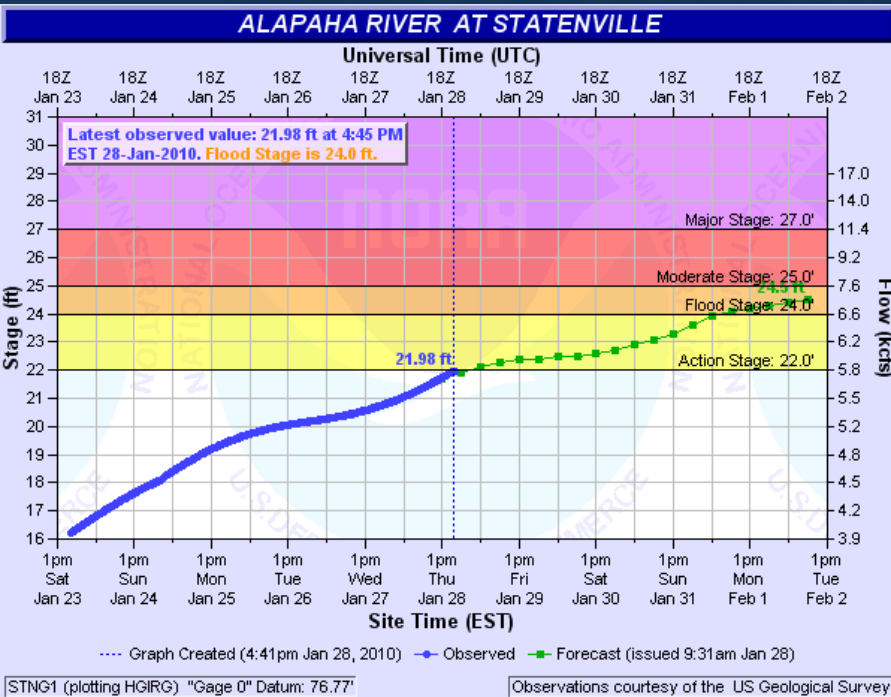




Surfacewater
Level and Discharge
2012

- SRWMD
- USGS/ SRWMD
- USGS/ DEP or EPD





Flooding Response

SRWMD acts as information portal for community

>100,000 hits on web when flooding

>16,000 calls to automated flood line



Recreational Support



10,000 web hits in
May

>300-400 calls per
month on
automated line

Dozen or so
phone calls
wanting paddling
conditions per
week

#1 Constraint: Staffing

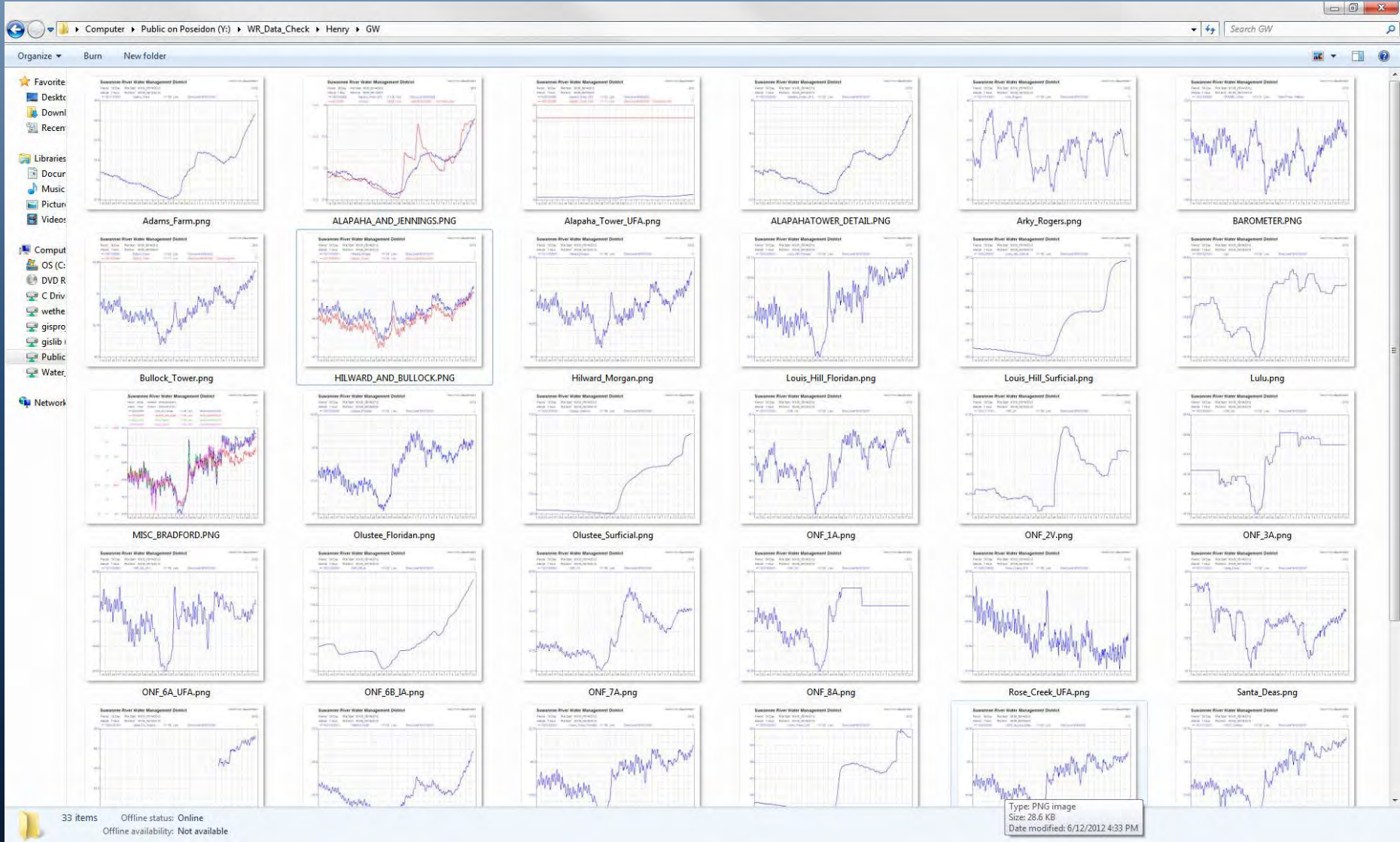
- Program manager
- 4 field technicians (2 fewer than last year)
- 1 day/month data entry assistance
- Water quality contract supervision by biologist done in addition to ERP duties

Doing More with Fewer Staff

- Last Fall, Governing Board approved major equipment upgrades
- Replaced 70 punch-tape recorders with loggers/modems
- Adding sensors and loggers to monthly wells, if possible
- Project should pay off in less than 4 years based on eliminated salaries alone

Doing More with Fewer Staff

- Time-series software (Hydstra) automates most data entry and display duties
- Technicians review station status each morning, and service every 4 months, eliminating most monthly trips and improving data quality
- Program manager assures data web display 7-days per week





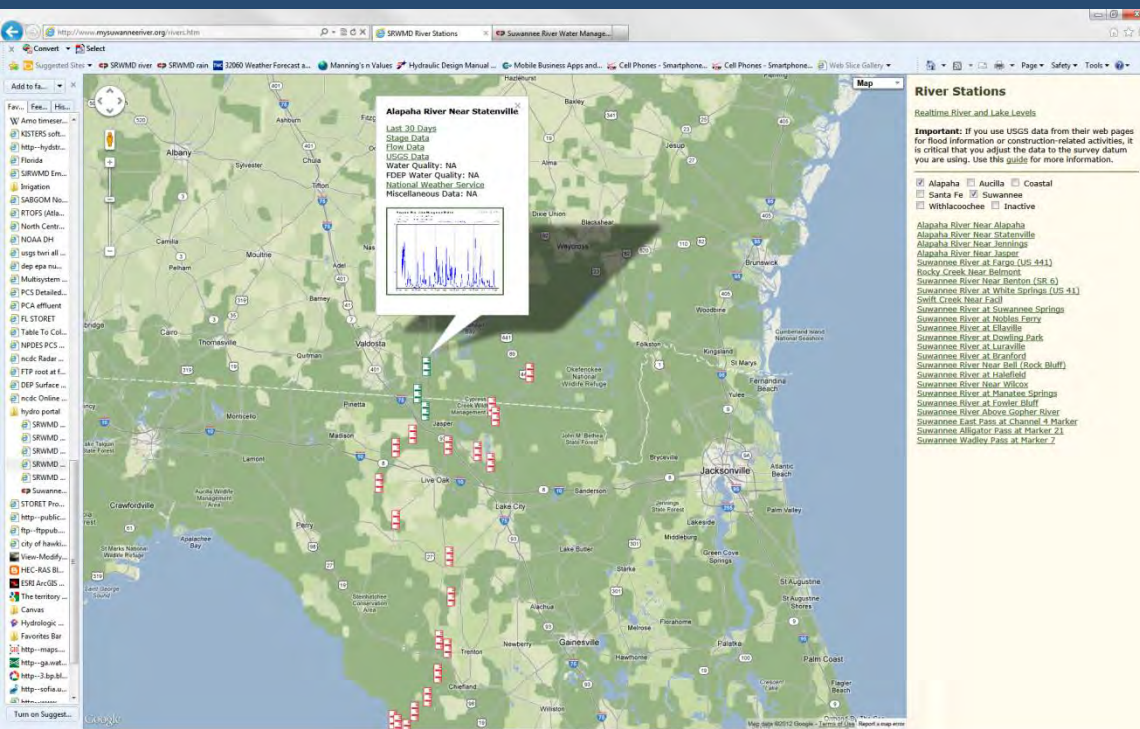


Doing More with Fewer Staff

- Formerly hand-written card-based field data
 - Typos, calculation errors, lost field books
- Data entry now paperless
- Subscription-based web app with customizable forms
- Automatic download and upload
- \$60/month for Mifi and app, saves a day of data entry in office per technician

Doing More with Fewer Staff

- Webpage for data display built in-house using existing software and tools (very little programming cost)
- Far fewer calls for data since it rolled out last year





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