Partnering for Sustainable Water Supply in North Florida

North Florida Water Challenges

29th Florida Chamber
Environmental Summer School
The Mission

- Ensure the sustainable use and protection of water resources for the benefits of people of the District and the state of Florida
  - Water Supply
  - Flood Protection
  - Natural Systems
  - Water Quality
Major Floridan Aquifer Springs
Building an Effective Model

- State-of-art groundwater models to represent complex hydrologic systems
- Sufficient, high quality, representative data
- Systematic analysis
- Experienced people working together
- Peer review
- Stakeholder engagement
District Regional Groundwater Models in NF

Planning Areas
- North FL Regional Water Supply Partnership
- District Boundary

Groundwater Flow Models
- Northeast Florida
- North Florida-Southeast Georgia
- North Florida

St. Johns River Water Management District
Collecting Information

Well Drilling and Data Collection

Interpretation

Aquifer Framework

St. Johns River
Water Management District
Calibration – Tuning the model to replicate field observation

**Develop Parameters**
- Aquifer water levels
- Spring flows
- River base flow
- Regional water budget

**Check observations**
People Working Together
For More Information:

• St Johns River Water Management District
  – http://www.sjrwmmd.com/

• Suwanee River Water Management District
  – http://www.srwmd.state.fl.us/

• North Florida Regional Water Supply Partnership
  – http://northfloridawater.com/