

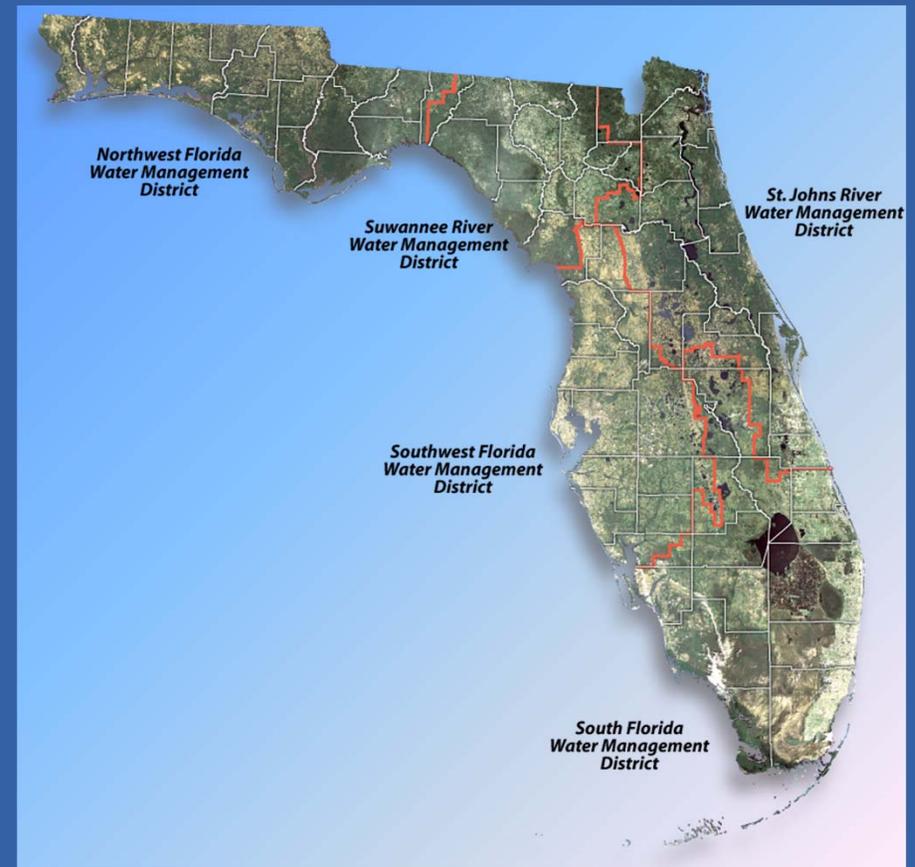
Solving the Water Puzzle

A science-based collaborative approach



Florida's Water Management Districts

- Special districts
 - *Not state agencies*
 - *Ad valorem taxing*
- Governing Board
 - *Appointed by Governor*
 - *Confirmed by Senate*
 - *Unpaid volunteers*



SWFWMD Areas of Responsibility



Water Supply



Water Quality



Natural Systems



Flood Protection

MISSION

**Protect Water
Resources**

**Meet Water
Needs**

**Reduce Flood
Risks**

Regulation

- **Water Use**
 - Actual need?
 - Protect existing users
 - Protect water resources
- **Environmental Resource**
 - Reduce flooding risk and pollution from new development
 - Protect wetlands
- **Well Construction Permits**
 - State standards
- **Water Shortage Orders**



Permits

Water Use Permits

- Is the water actually needed?
- Is the water available without:
 - Affecting an existing user? Harming the water resources?

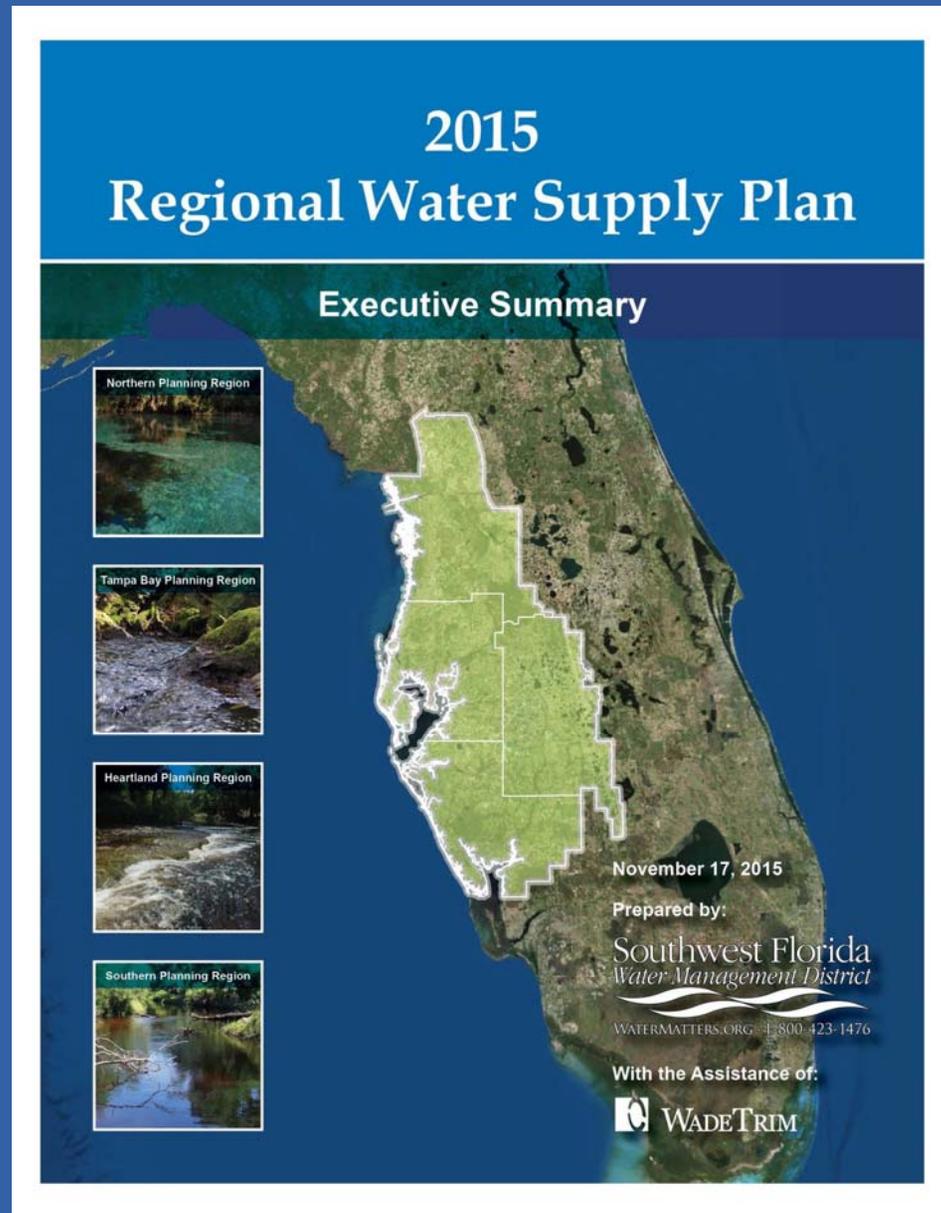
Environmental Resource Permits

- Ensure new development doesn't:
 - Increase the risk of flooding
 - Worsen water quality
 - Decrease wetland functions

Well Construction Permits – Apply online

Planning

- Needs
- Sources
- Costs

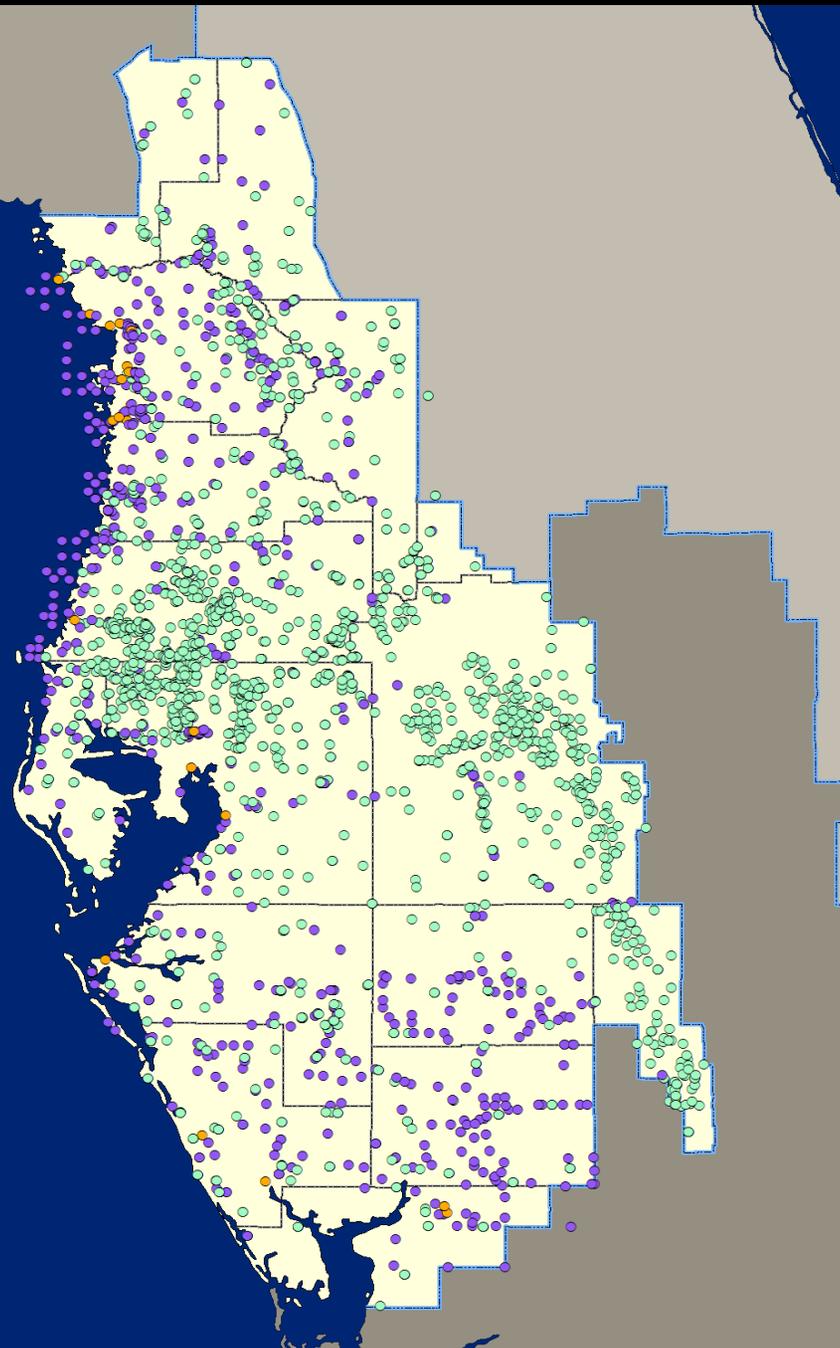


Data Collection

Active Data Collection Sites - April 2017

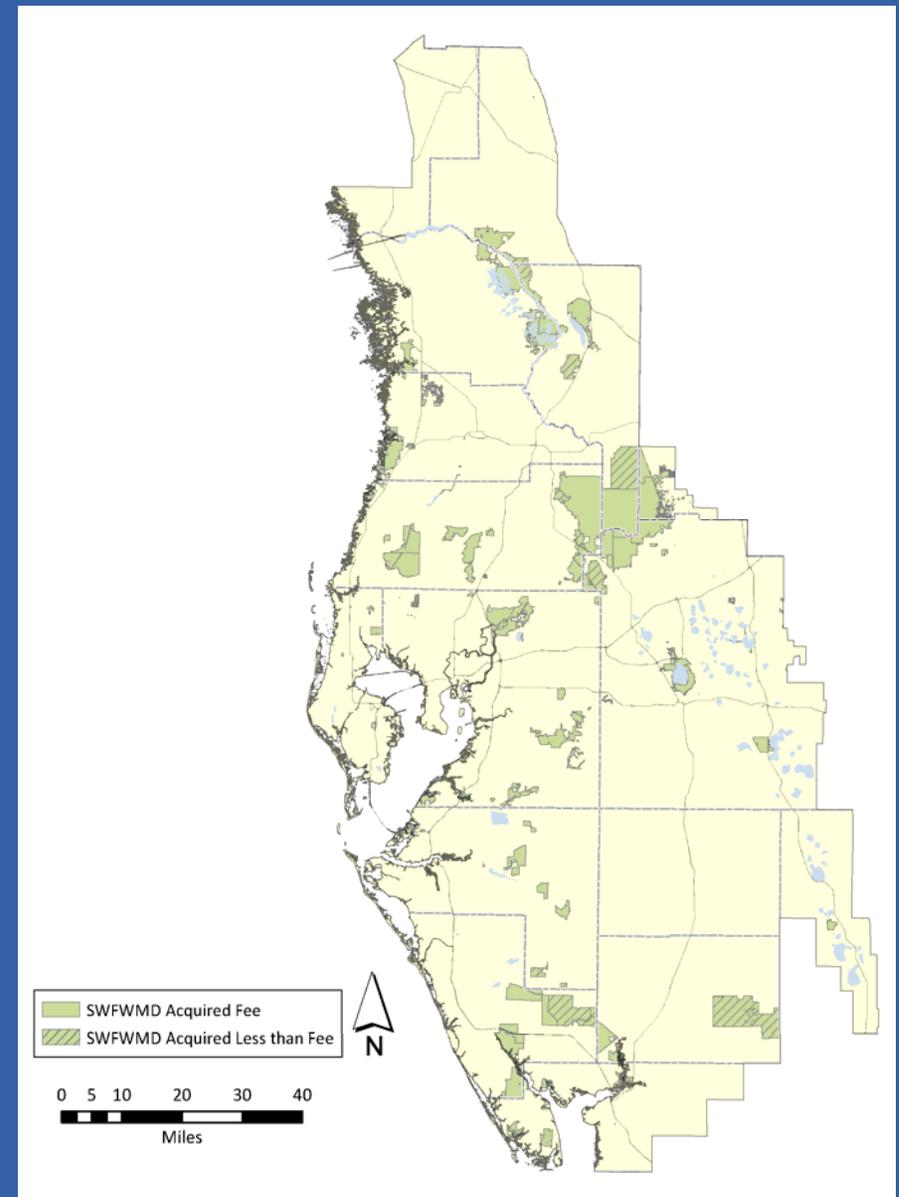
• > 3300

- Hydrologic Data
- Water-Quality Data
- Hydrologic & Water-Quality Data



Land Acquisition and Management

- > 450,652 acres
 - 106,000 easements
- Protect and restore
- Most open to public
- Recreation Guide
 - *WaterMatters.org*



Environmental Restoration

SWIM Projects

Water Quality

- Treat stormwater to reduce pollutants
- **> 140,000** acres of watershed treated

Natural Systems

- Restore, enhance and preserve natural habitats
- **> 11,000** acres restored



District Water Control Structures

Total 81

- Water Conservation
- Flood Control (only 18)
- Salinity Barrier



*Water Conservation
Brogden Bridge*



*Flood Control
Tampa Bypass Canal*

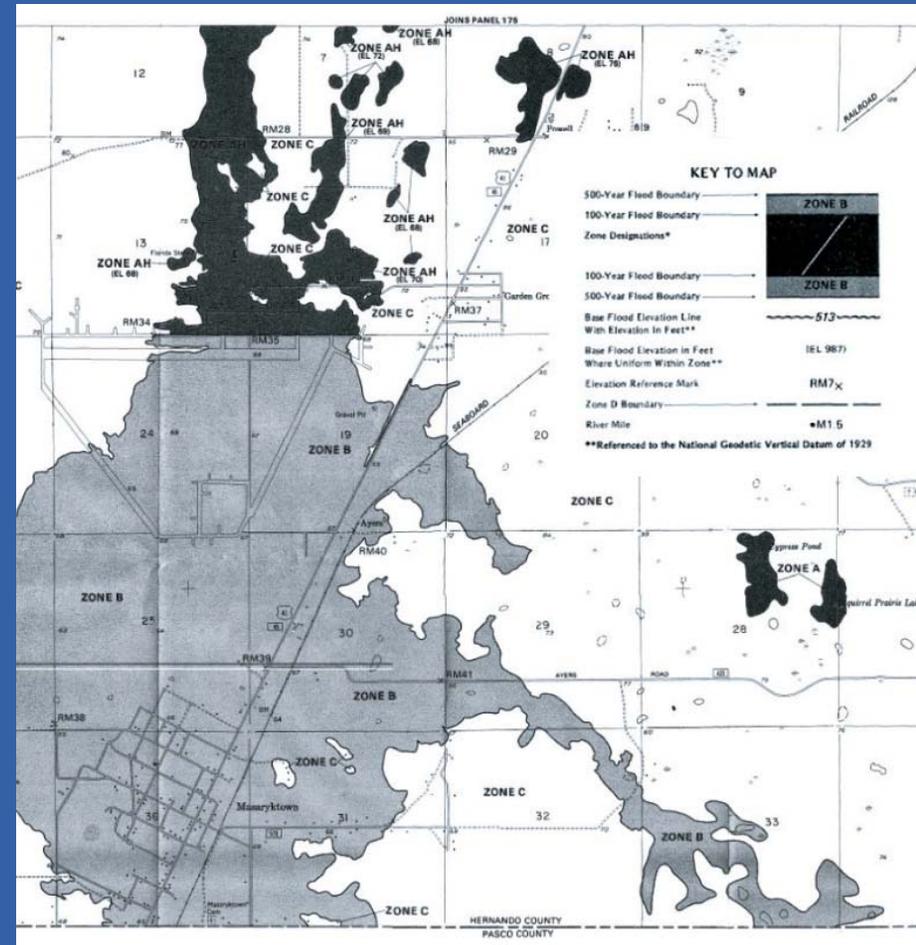


*Salinity Barrier
Rocky Creek*

Flood Protection

Non-Structural

- Watershed Management Program
- FEMA mapping
- Land acquisition





Funding Priorities

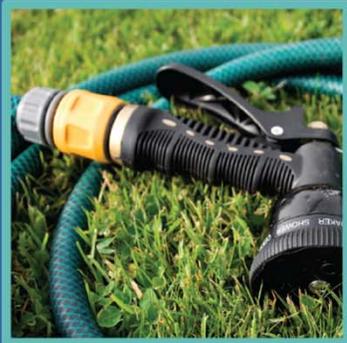
- Sustainable water supply
 - *Alternative water source development*
 - *Water storage (reservoirs)*
 - *Reclaimed water*
 - *Water conservation*
- FARMS
- Environmental restoration
 - *SWIM program*
- Stormwater improvements
 - *Water quality and flood protection*

Cooperative Funding Since 1988

- **\$1.5 billion** District-funded
- **\$2.9 billion** combined regional investment
- **Five-year avg. annual expenditure: \$72 million**



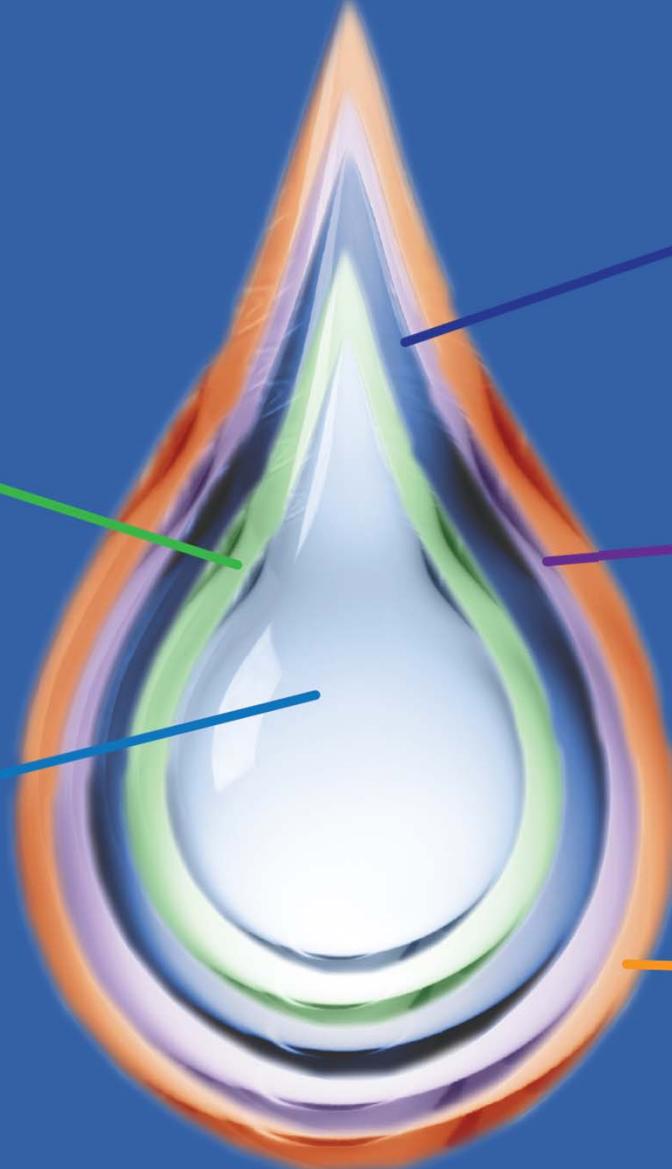
Diversification



Conservation



Groundwater



Surface Water



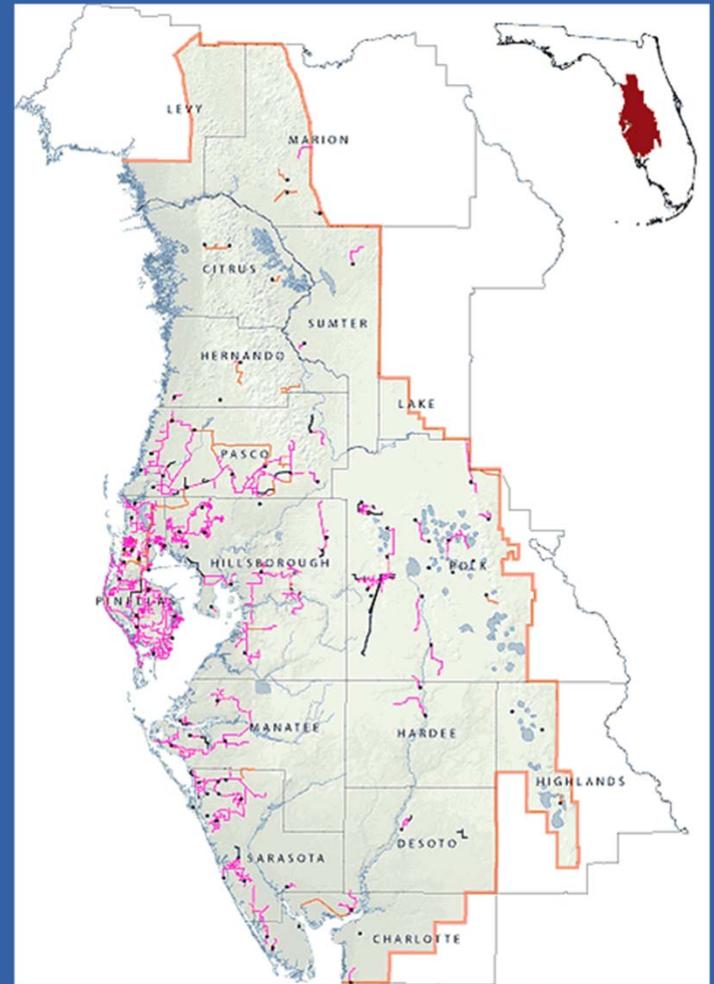
Reclaimed Water



Stormwater

SWFWMD Reuse Funding and Benefits

- 364 projects funded since 1987
- 970 miles of pipelines
- 248 mgd reuse capacity
- 112-134 mgd of new water
- 13% of Districtwide water use



Reclaimed Water Facts

- 116,000 residences
- 189 golf courses
- 478 parks
- 174 schools
- 8 power plants
- 2 additional power plants (2015)
- 8,700 acres of agriculture
- 43 Cooling Towers



Shared Interests

- 1. Follow the science**
- 2. Be open and inclusive**
- 3. Collaborate on solutions**

