

REFLECTION



**At Your Service!**

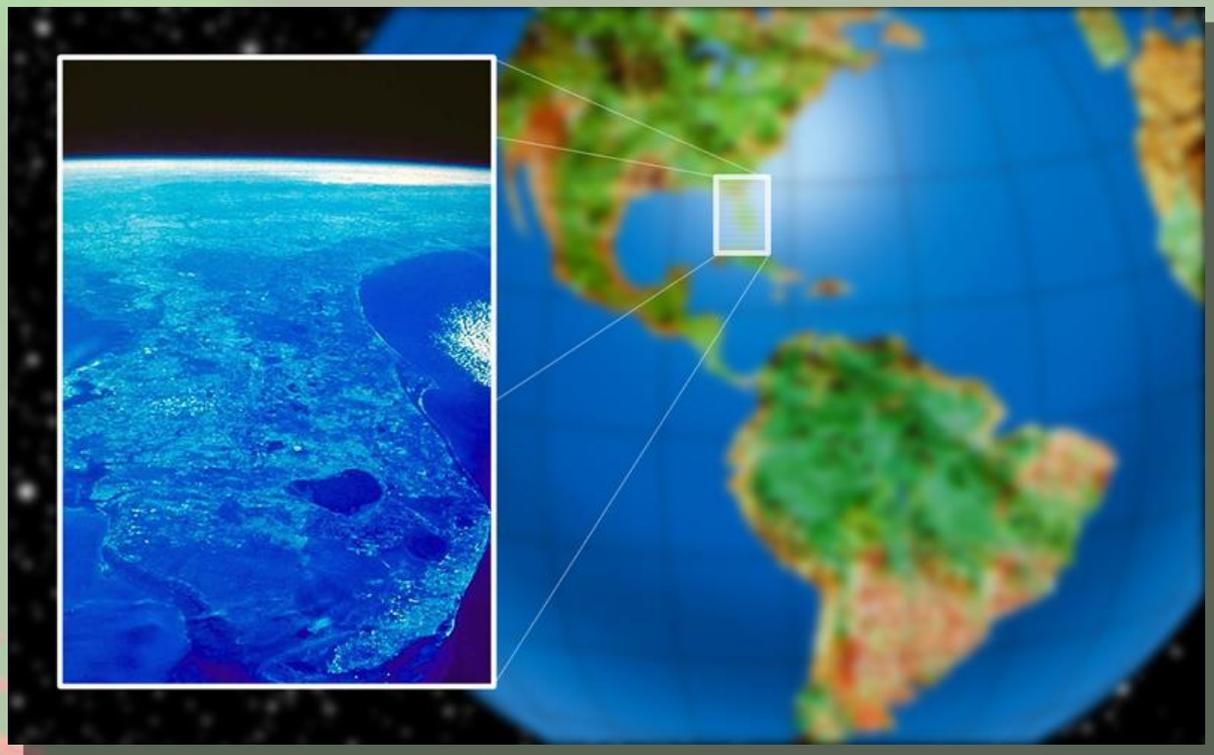
**Water Management  
Update**

**July 2015**

# Who we are and what we do



Land of water, water everywhere...



# Who we are and what we do



...flat land, a few feet above sea level and virtually embraced by an ocean



# Who we are and what we do



## Extreme Weather

- Droughts/Water Shortages

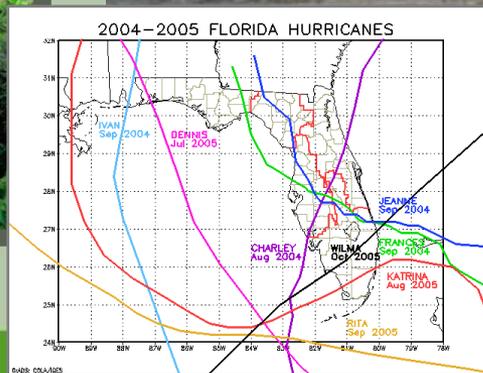


# Who we are and what we do



## Extreme weather

- Floods/Hurricanes



# Who we are and what we do



Our history has been one of "dredge and drain the swamp"



# Who we are and what we do



In 1949, the state of Florida created a regional agency to operate the system

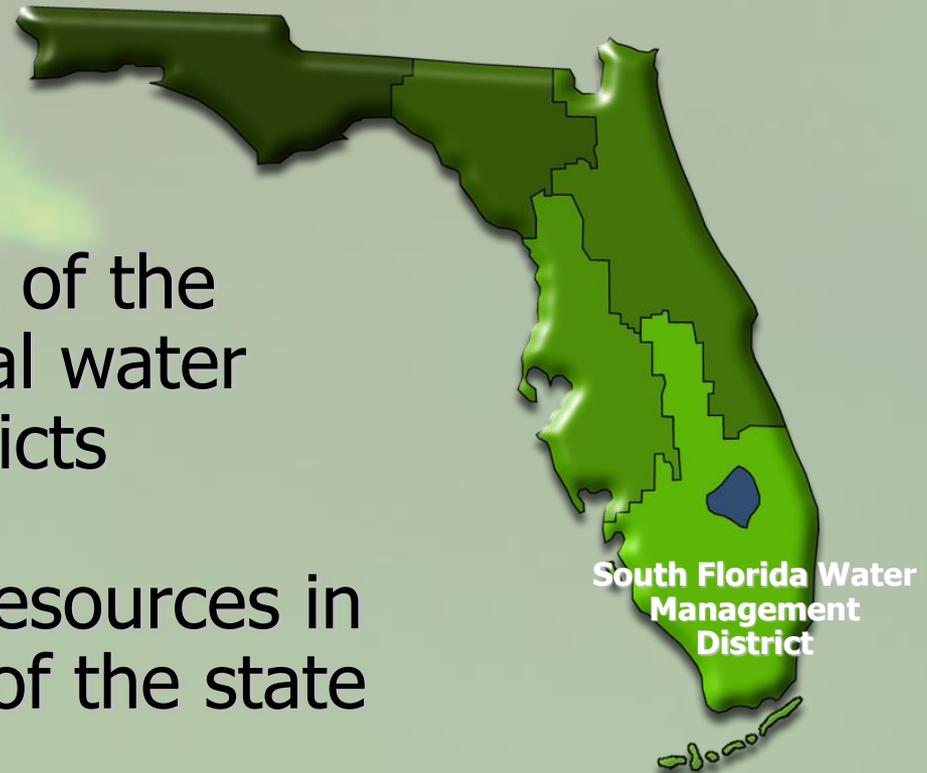


# Who we are and what we do



## Our District

- Oldest and largest of the state's five regional water management districts
- Protecting water resources in the southern half of the state since 1949

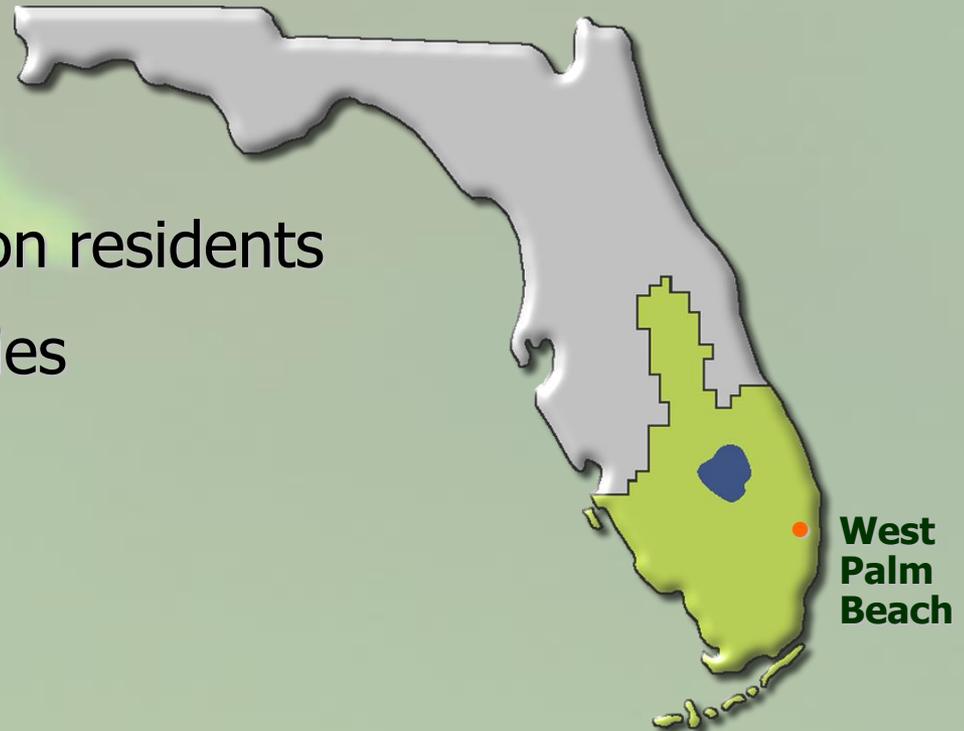


# Who we are and what we do



Covers an 18,000 square-mile region:

- 16 counties; 7.5 million residents
- Regional responsibilities
  - Water Quality
  - Flood Control
  - Natural Systems
  - Water Supply

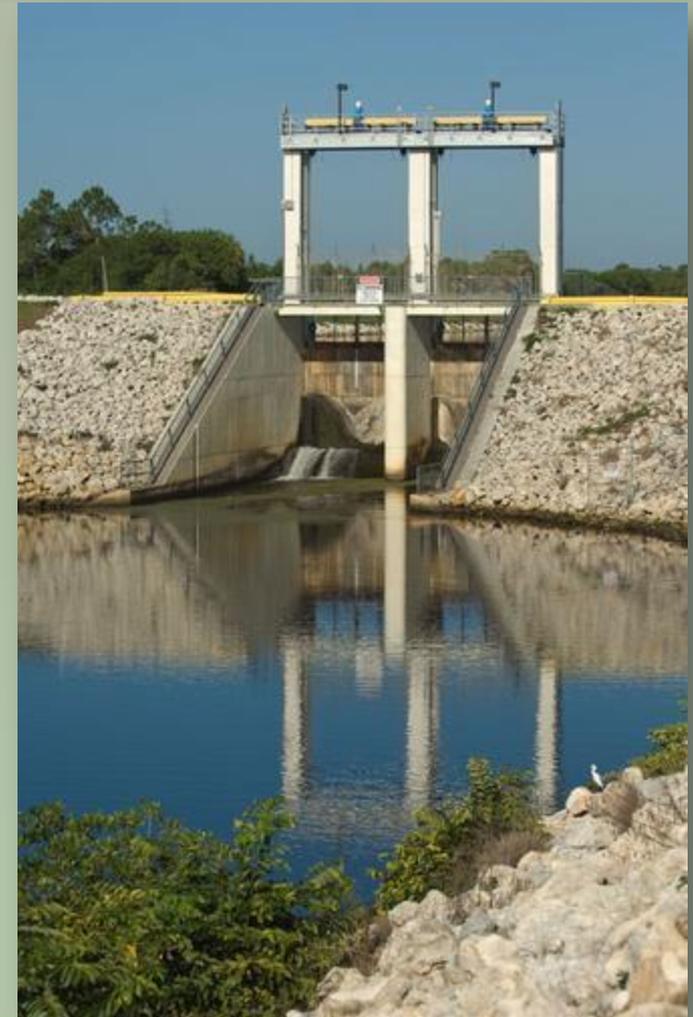


# Who we are and what we do



## Core Mission: Flood Control

- Manage largest flood control system in the world
  - More than 1,600 miles of canals and 1,000 miles of levees
  - More than 500 structures and 700 culverts
  - 60 pump stations
  - Moves more than 20 million acre-feet (5.5 trillion gallons) of water annually
- Key Initiative: 50-Year refurbishment plan
- Challenges: Aging infrastructure, dam safety requirements



# Who we are and what we do



## Core Mission: Water Supply

- Ensure sustainable water resources for South Florida's environment and economy
  - Management of surface and groundwater through consumptive use & environmental resource permitting
  - Agricultural, public water supply demand of 3 billion gallons/day
- Key Initiatives: CFWI, Permitting, Water Supply Plans, Alternative Water Supply
- Challenges: Availability of regional water (Lower east coast, Central Florida); Drought management



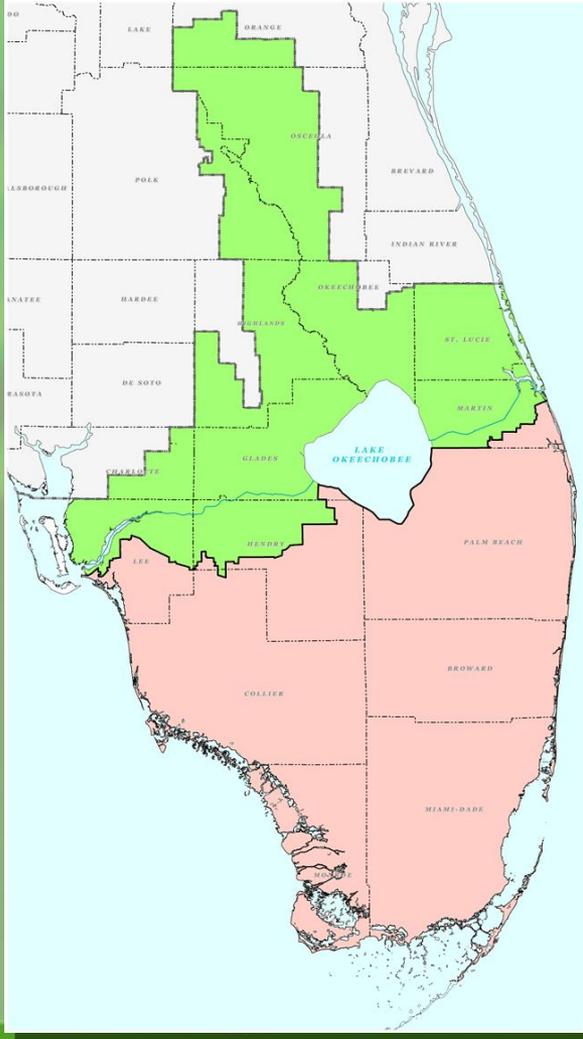
# Who we are and what we do



## Core Mission: Water Quality

- Improve water quality in the Everglades
- Key Initiatives: Stormwater Treatment Areas (STAs), Best Management Practices (BMPs)
  - 45,000 acres of Stormwater Treatment area constructed
  - Another 12,000 acres near completion
  - To date, 3,800 metric tons phosphorus removed through BMPS and STAs

# Who we are and what we do



## Core Mission: Natural Systems

- Restore the Northern and Southern Everglades
  - Improve quantity, quality, timing and distribution of water to freshwater and coastal systems
  - 1.7 billion gallons of water lost to tide/day
- Key Initiatives: Comprehensive Everglades Restoration Plan (68 projects), Northern Everglades and Estuaries Protection Program (Lake Okeechobee, St Lucie, Caloosahatchee), Kissimmee River
- Challenges: Federal coordination, cost

# REFLECTION



**Questions?**