

# C-51 Reservoir Partnership Study

***SFWMD Project and Lands Committee***

***Presented by Dean Powell, SFWMD***

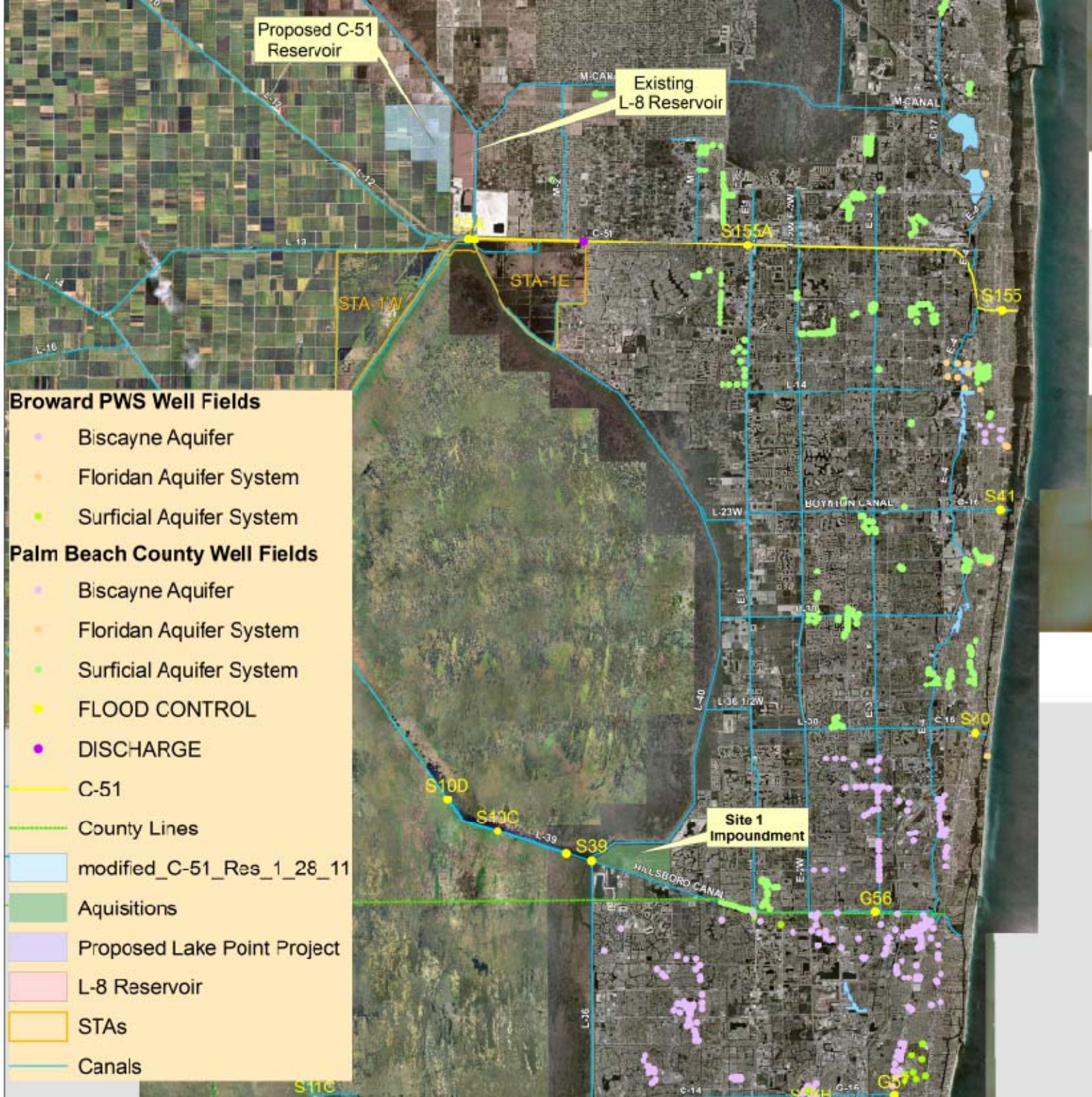
***February 9, 2011***



***[sfwmd.gov](http://sfwmd.gov)***

# Project Concept

- Capture excess surface water currently being discharged to the Lake Worth Lagoon from C-51 canal
- Store water for public water supply, environmental restoration needs of the Everglades and other beneficial uses
- Limit damaging impacts of discharges to Lake Worth Lagoon





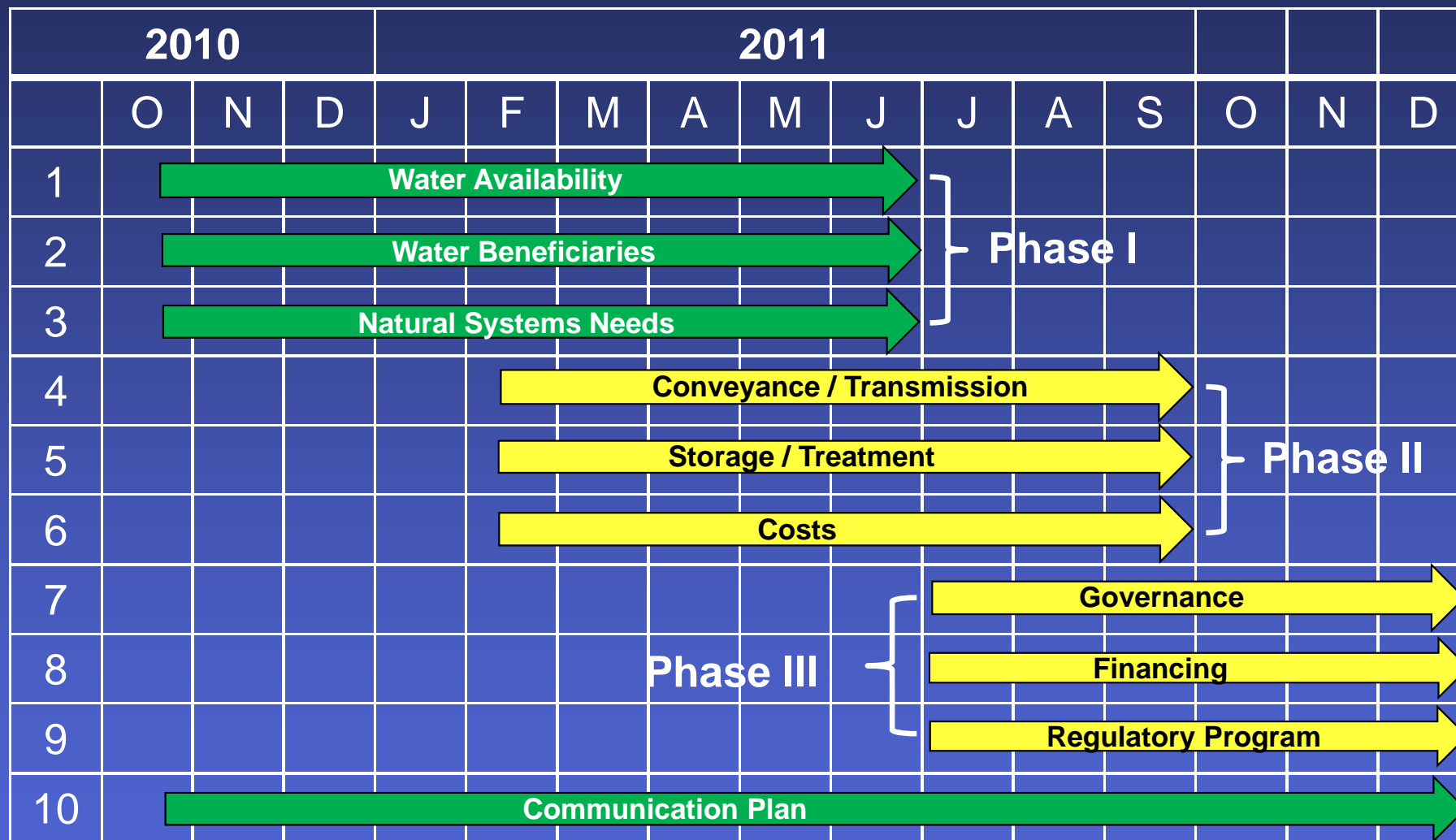
# Initial Utility Sponsors

- Broward County
- Ft. Lauderdale
- Hollywood
- Palm Beach County
- Pompano Beach
- Plantation
- Sunrise

# SFWMD Board Direction

- **Governing Board October 13, 2010 – presentation on the Broward County Water Resources Task Force Report**
- **Report highly recommended pursuing feasibility of concept C-51**
- **Board discussed potential benefits to Everglades restoration efforts to meet water quality obligations**
- **Board directed staff to take the lead in developing consensus for this major regional water supply project**

# C-51 Reservoir Partnership Study



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## ■ Water Availability

- High-level modeling and data analysis
- Test functionality in the existing condition and CERP conditions.
- Use to assess alternative plans and quantify water available for the project.

*(Utility study (2010) estimated 120 MGD available for a 1 in 10 year drought)*

# C-51 Reservoir Partnership Study

## ■ Water Beneficiaries

Identify future need and timing

- Public Water Suppliers
- Agriculture
- Industry
- Others



# C-51 Reservoir Partnership Study

## ■ Natural System Needs

### Identify future need and timing

- Everglades water quality obligations
- Loxahatchee Wildlife Refuge
- CERP related water demands
- Flow to Lake Worth Lagoon
- Others

# C-51 Reservoir Partnership Study

## ■ Phase III Challenge

**Align the timing of the need for water with  
the ability to fund the need well in  
advance of the demand**

# Other Current Activities

- **Model configuration**
- **MOU development with utilities and LWDD**
- **Milestone schedule review**
- **Communication Plan**
  - **Public workshops begin in March**
  - **Website information under development**

# Questions?

