



2012 Lower East Coast Water Supply Plan Update Process

Mark Elsner, P.E. and Bob Verrastro, P.G.

Water Supply Planning

Water Resources Advisory Commission

February 3, 2012

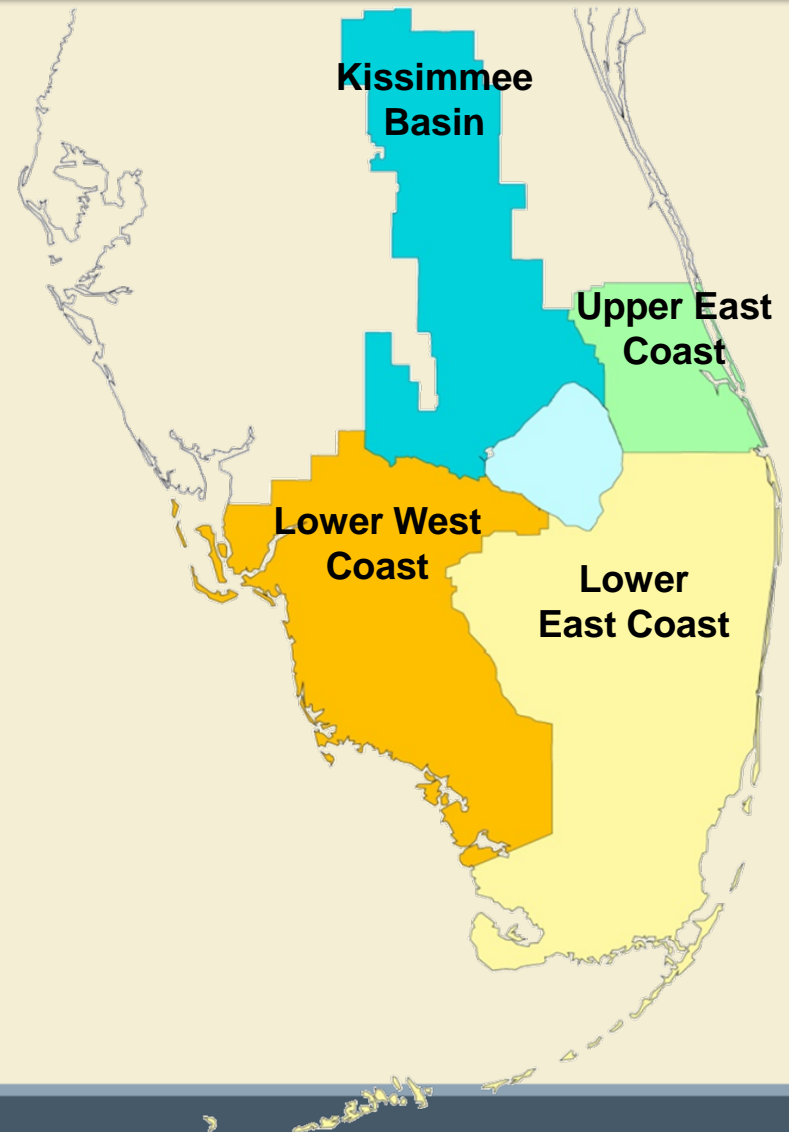
Today's Agenda

- 2012 LEC Water Supply Plan Update Process
- Water Supply Planning for the Lower East Coast
- Changes since the 2005-2006 LEC Water Supply Plan
- Central Everglades Planning Project Overview
- Next Steps



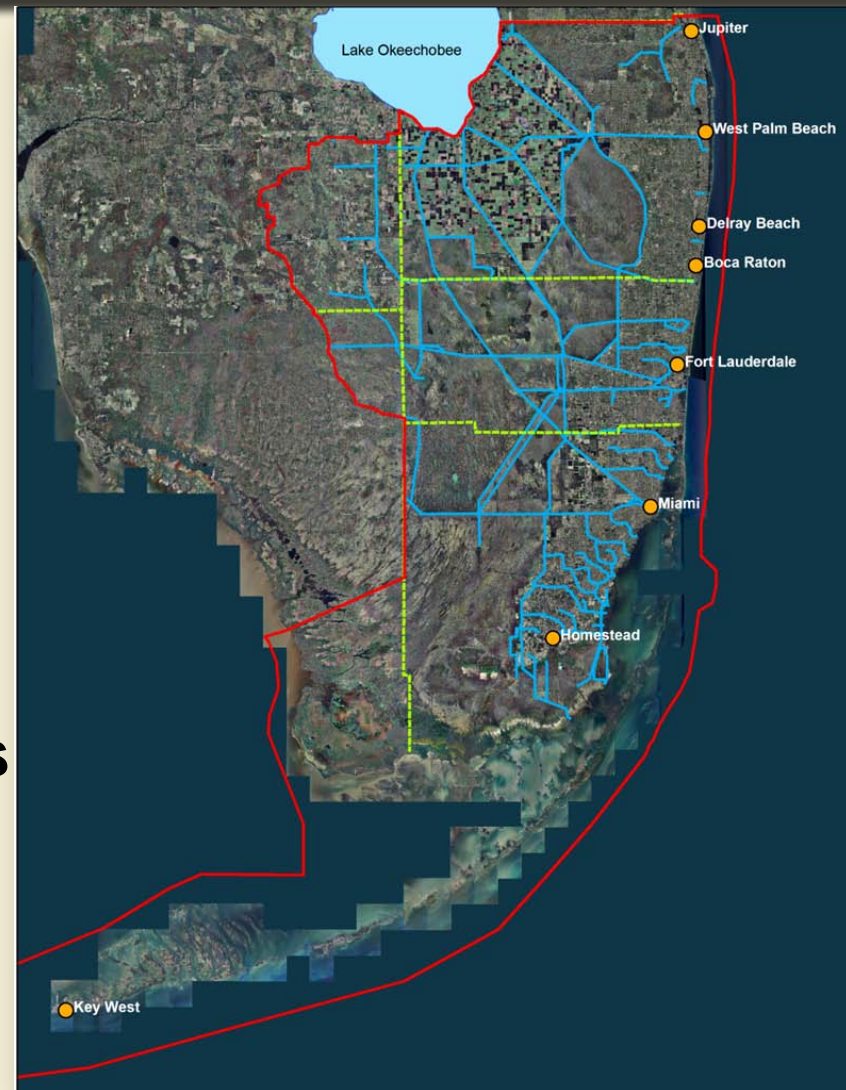
What is a Regional Water Supply Plan?

- **Current and future look at water needs**
- **Strategies to meet future water demands and the needs of the environment**
- **Based on a 20-year future planning horizon**
- **Based on a 1-in-10 year level of certainty**



Lower East Coast (LEC) Planning Area

- **Includes:**
 - Palm Beach, Broward, Miami-Dade and Monroe counties
 - Eastern Collier and Hendry counties
- **Population:**
 - 2000 5,087,577
 - 2010 5,633,304
- **113 local governments**
- **53 public water supply utilities**
- **Major agricultural industry**
- **Significant environmental features**



Importance of Public Involvement

- **Active participation to ensure plan reflects diverse needs**
 - County Commission/City Council
 - Public Water Suppliers
 - County/City Planning staff
 - Agricultural interests
 - Industrial water users
 - Environmental community
- **Projects to meet future water demand**

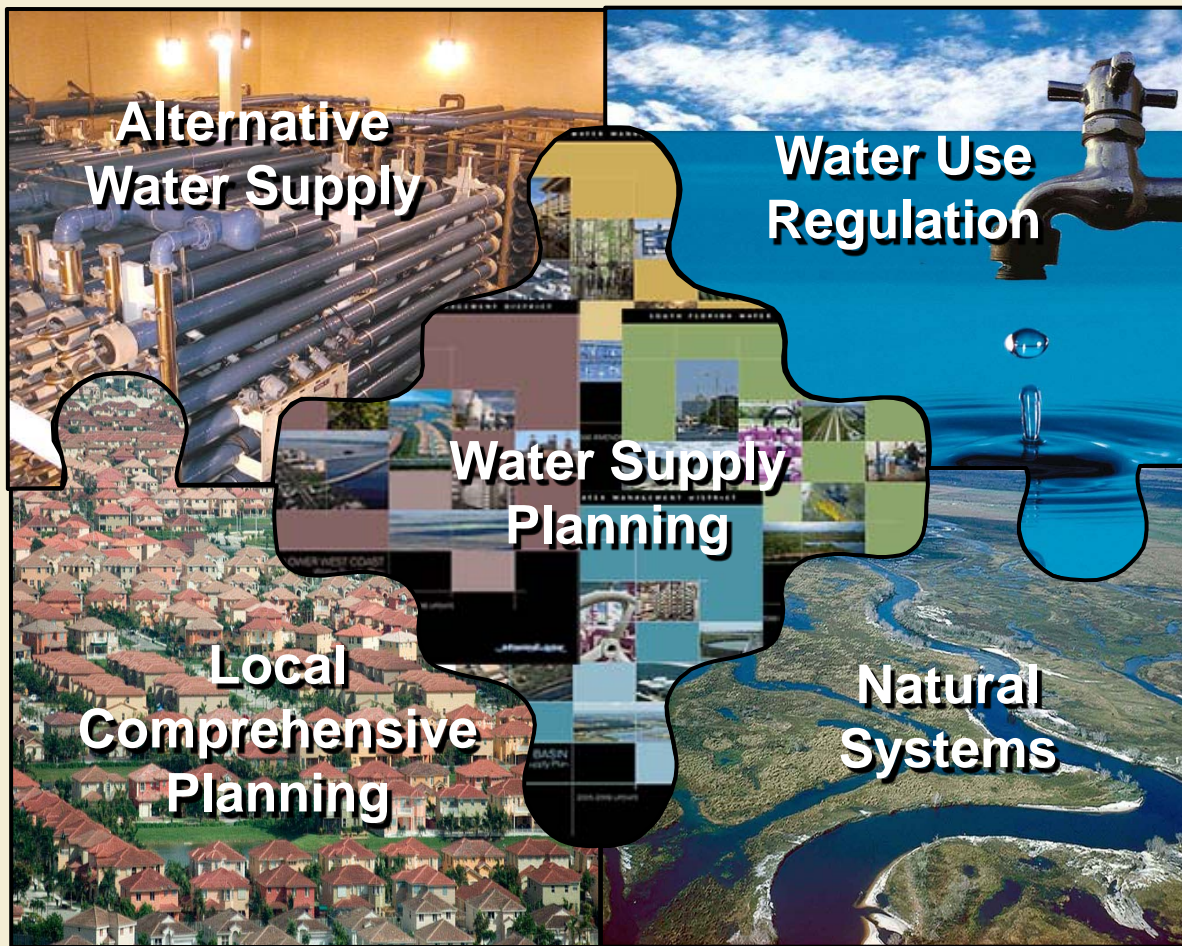


Public Participation

- **Public meetings through WRAC Issues Workshops**
- **Updates to full WRAC**
- **Presentations to local governments**
- **One-on-one meetings and discussions with stakeholders**
- **Meetings with regional planning councils**



Water Supply Planning Linkages



Utility Responsibility (Chapter 373, F.S.)

- **Within 12 months of approval of a water supply plan, notify District of selected water supply projects**
- **Provide information to appropriate local governments in support of their Comprehensive Plan update:**
 - **Populations/service areas/projected demands**
 - *Level of service*
 - **Water supply projects to meet projected demands**
 - *Schedule & scope*
- **Annual progress report on status of water supply projects**



Local Government Responsibility (Chapter 163, F.S.)

- **Identify how future water supply needs will be met**
 - Water supply can be met with traditional sources, alternative sources and conservation
- **Prepare a water supply facilities work plan**
- **Revise local comprehensive plan to incorporate the water supply facilities work plan within 18 months of water supply plan approval**



Water Supply Plan Requirements (Chapter 373, F.S.)

- 20 year planning period
- 1-in-10 Level of Certainty
- Demand estimates and projections
- Resource analyses
- Issues identification/evaluation of water source options including conservation
- Water Resource Development
- Water Supply Development
 - Responsibility of water users
 - 2008 Ocean Outfall Act
- Minimum Flows and Levels (MFLs)
 - Recovery and Prevention strategies



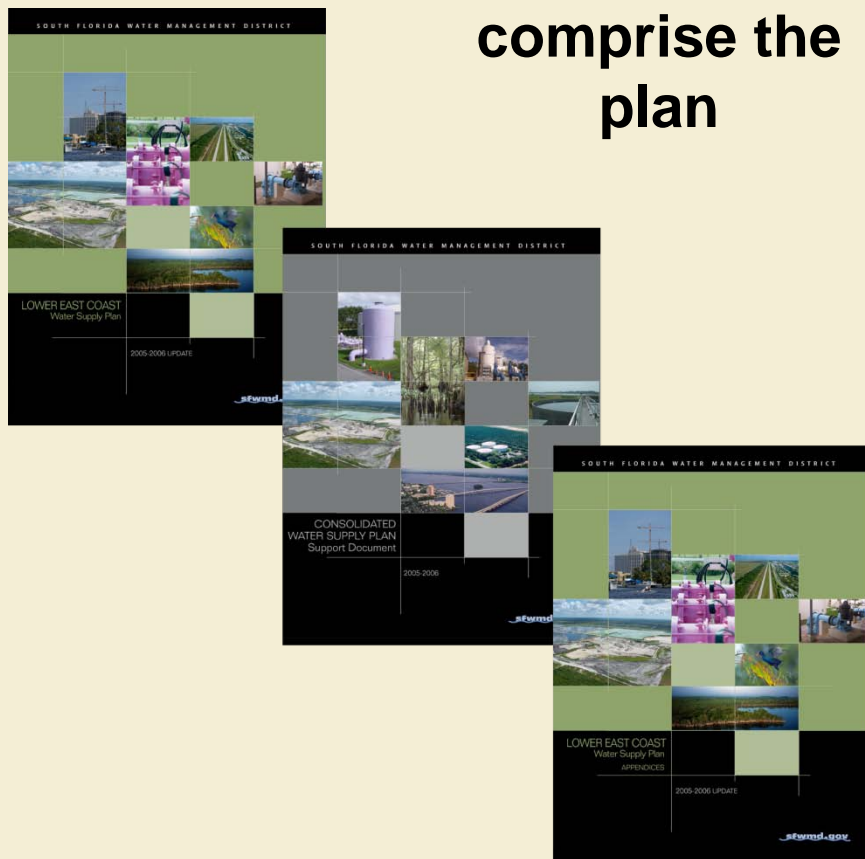
2012 LEC Water Supply Plan Goal



To identify sufficient water supply sources and future projects to meet existing and future reasonable-beneficial uses during a 1-in-10 year drought condition through 2030 while sustaining water resources and natural systems

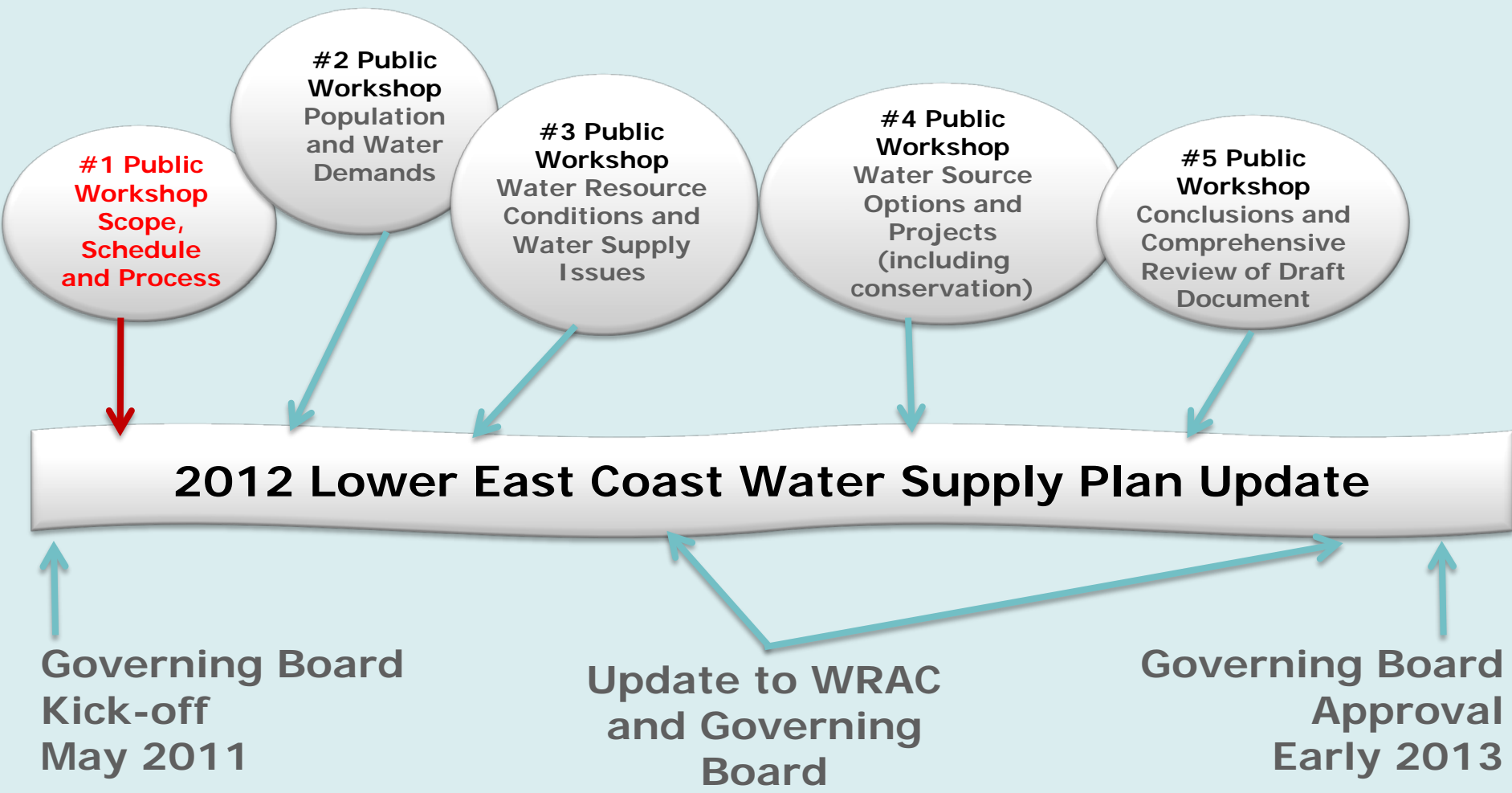
SFWMD Regional Water Supply Plans

Three documents
comprise the
plan



- **The Plan:** DEP mandated sections, projection and demand summaries, utility summaries and environmental strategies
- **Appendices:** detailed data, methodology and project lists
- **Support Document:** information that applies to all plans or does not change over the years

Schedule



Activities to Date

- Presented to Governing Board and/or WRAC in May 2011, June 2011 and January 2012
- Presented to 75 local governments through public or individual meetings in four counties
- Developed a stakeholder list of 750+ for continuing communication
- Developed draft population and water demand projections and currently reviewing with utilities
- Developed draft agricultural acreage and demand projections and currently reviewing with agricultural interests

Need LEC Water Supply Plan Information?



- Plan information, including workshops, can be found at: www.sfwmd.gov
- then type “Lower East Coast Water Supply Plan” in search box
- Workshop information can be found at:
 - SFWMD Calendar
 - WRAC agenda webpage
- Workshop announcements sent by email

Lower East Coast Water Supply Plan Staff Resources

■ **Mark Elsner, P.E.,
Section Administrator**

■ 561.682.6156

■ melsner@sfwmd.gov

■ **Robert Verrastro, P.G.,
Project Manager**

■ 561.682.6136

■ bverras@sfwmd.gov

■ **Cynthia Gefvert, P.G.,
Section Leader**

■ 561.682.2610

■ cgefver@sfwmd.gov

■ **Brenda Mills, AICP,
Plan Manager**

■ 561.682.6536

■ bmills@sfwmd.gov

Questions?



LEC Trivia

- **What was the projected population for 2010 in the LEC WSP 2000?**
 - a) 4,488,992
 - b) 4,910,821
 - c) 5,853,886
 - d) 6,507,035

- **What is the 2010 population as estimated by the 2010 US Census?**
 - a) 4,330,667
 - b) 5,633,304
 - c) 6,200,405
 - d) 6,983,547

