



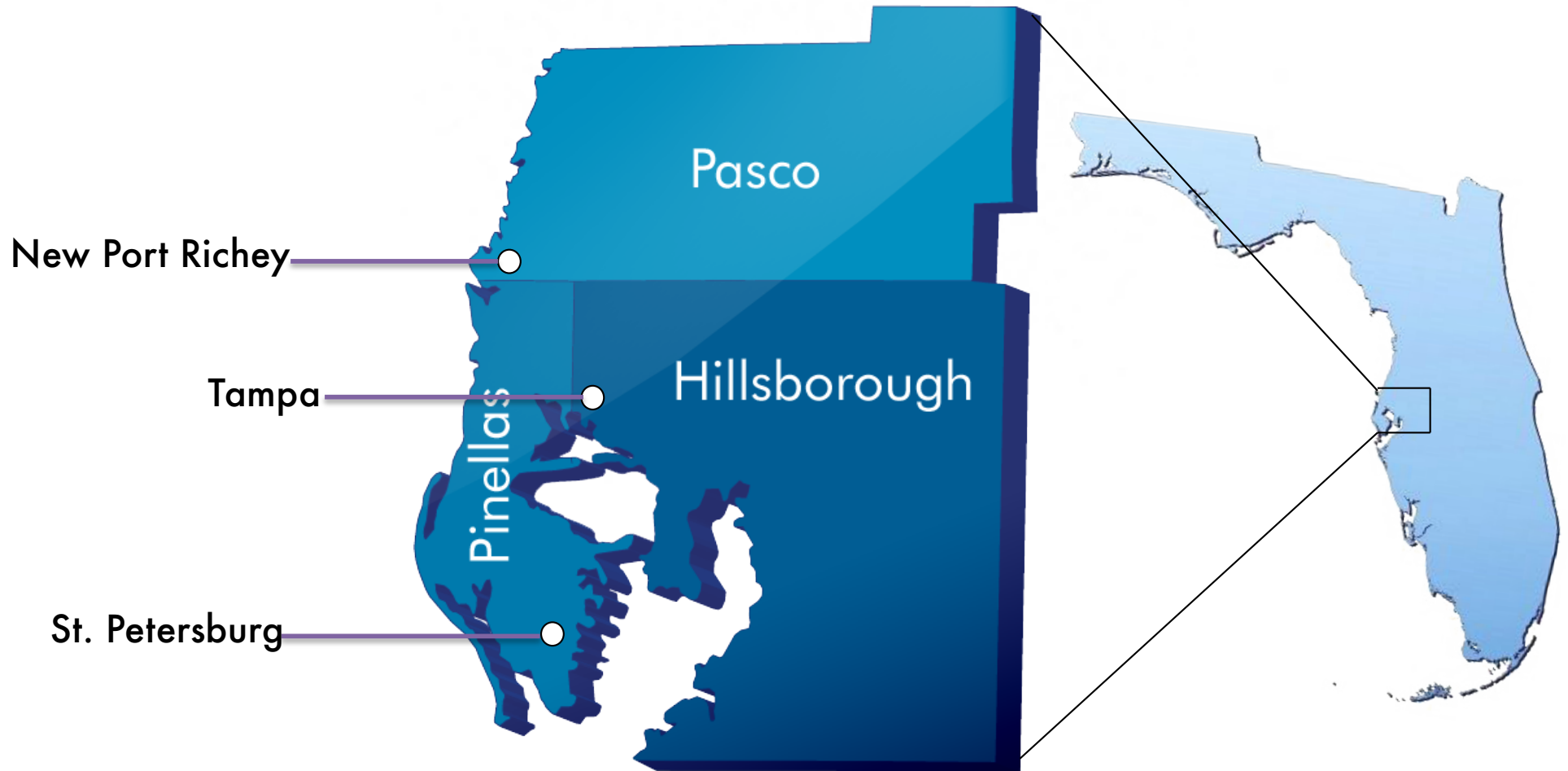
**From West Coast to  
Tampa Bay Water:  
*Navigating the  
Governance Process***

**Presented to Capital Area  
Ground Water  
Conservation Commission  
July 2019**

# **AGENDA**

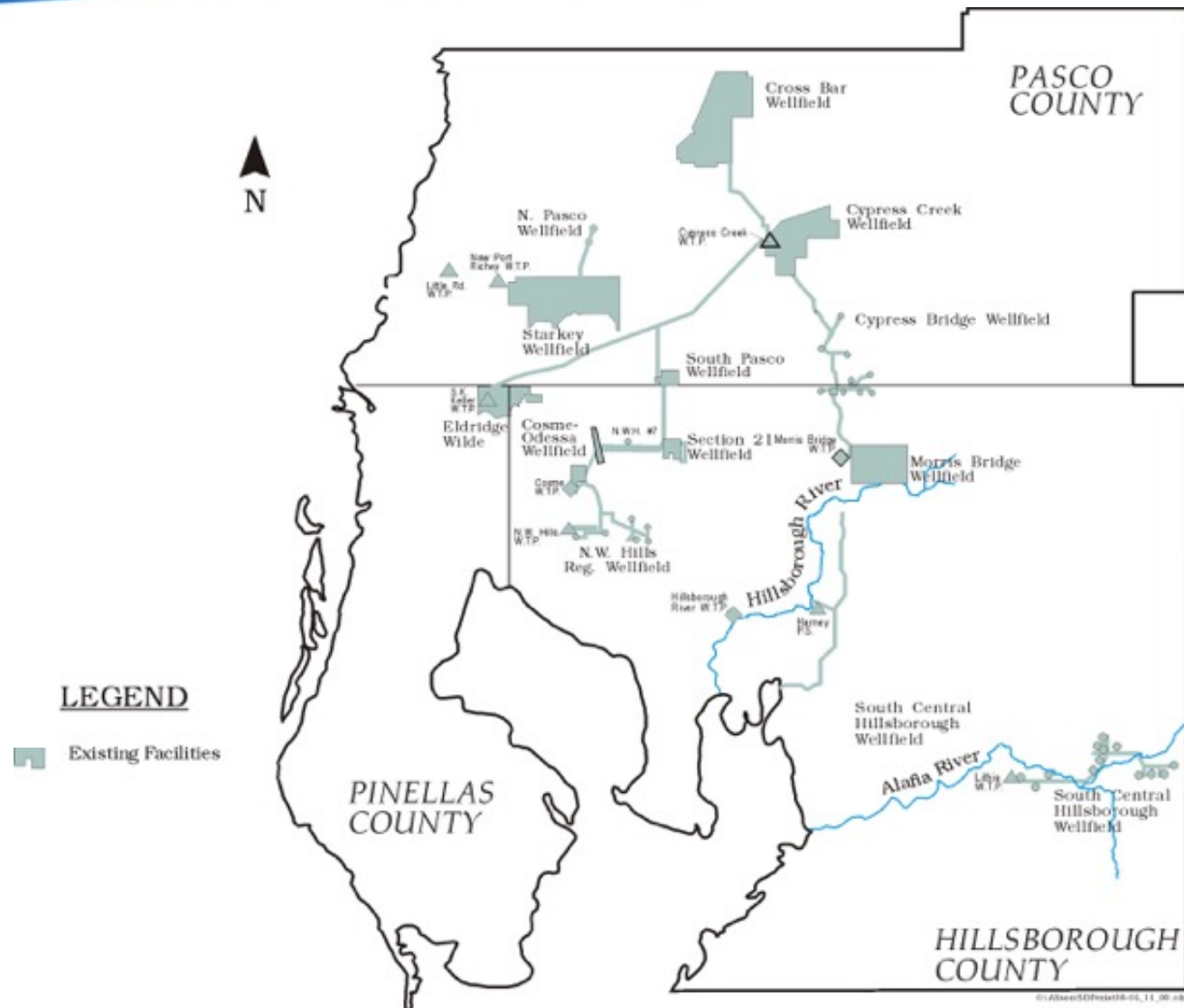
- **Introduction and Background**
- **Water Resources Problem Framing**
- **Solution development**
  - **Formation of Tampa Bay Water**
  - **Development of new water supplies**
  - **Environmental Recovery Formula**
- **Questions**

# Who We Are



# 100 Percent Reliant on Groundwater

- **Historically independent groundwater sources**
- **11 wellfields under different permits, ownership and operating protocols**





# Water Resources Problems

## Environmental Stress

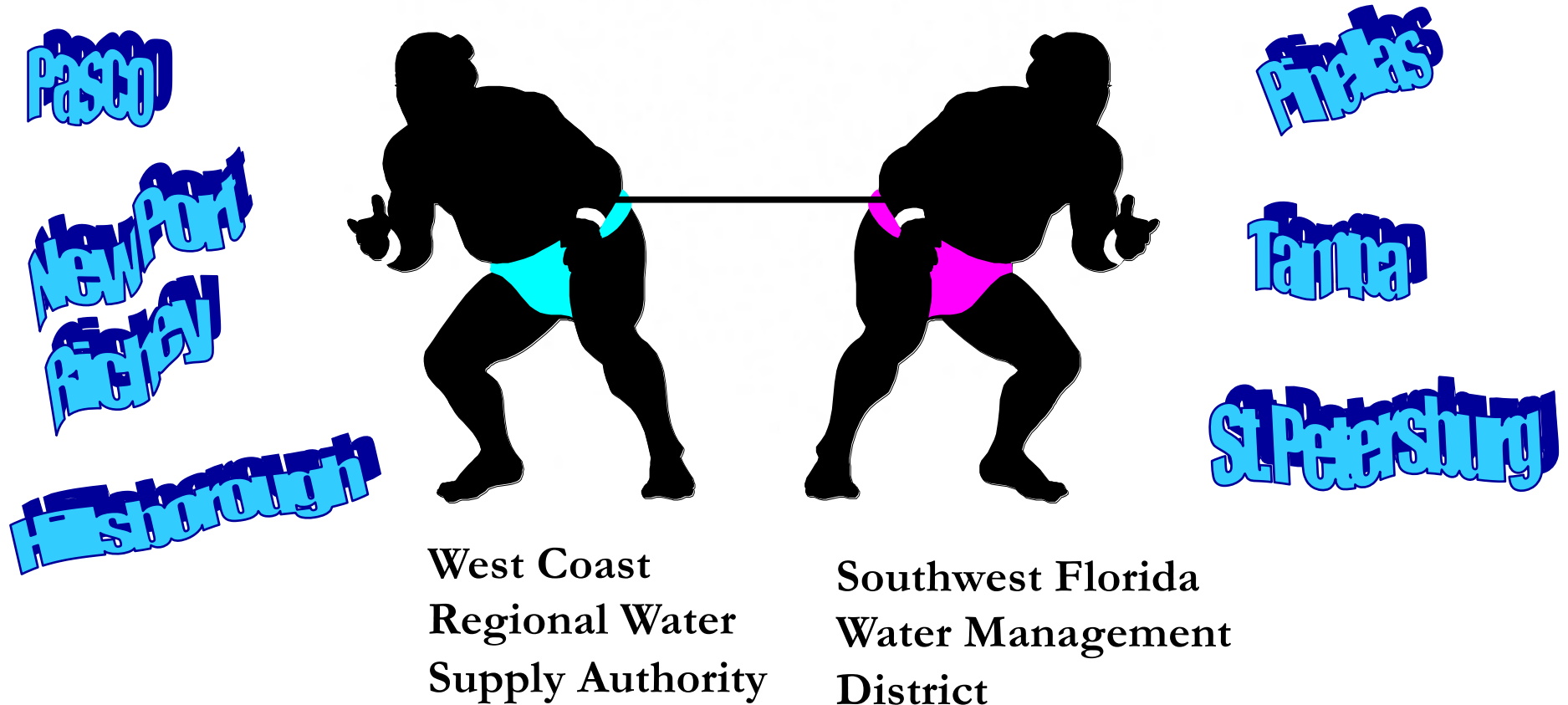
### Stressed Wetlands



### Stressed Lakes



# Eco-Politics Lead to Costly Legal Battles



# Tampa Bay Water Objectives

- End litigation over permits
- Develop new water supplies
  - Master Water Supply Planning Process – every 5 years
- Reduce groundwater pumping
  - Use science to determine sustainable pumping limits
  - Consolidate wellfields under one management



# First Two Planning Cycles

1993

- Resource Development Plan (83 Ideas)

- 5 Alternative Configurations

1995

- Master Water Plan
- 17 Projects

1998

- Tampa Bay Water Configuration 1
- 10 Projects

2001

- Comprehensive Project List
- 300 Projects (132 RW projs.)

- Project shortlist
- 39 ideas

- Development Projects
- 11 Concepts

2003

- Master Water Plan
- 13 Projects

2006

- Configuration II
- 10 Projects



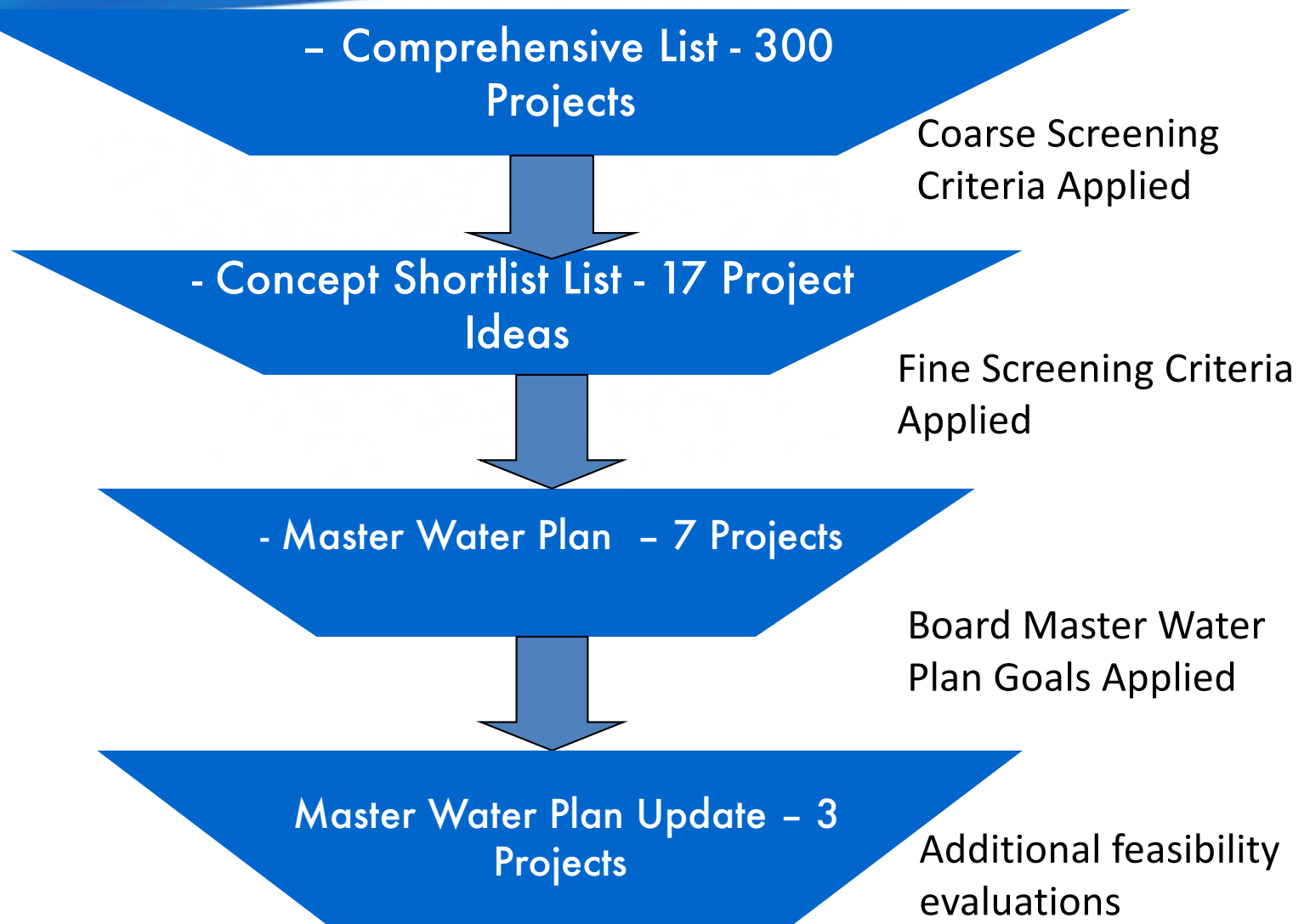
# The First Master Supply Plan Took Over 10 years to complete

An integrated, *flexible*  
system that produces a  
*sustainable and reliable*  
water supply

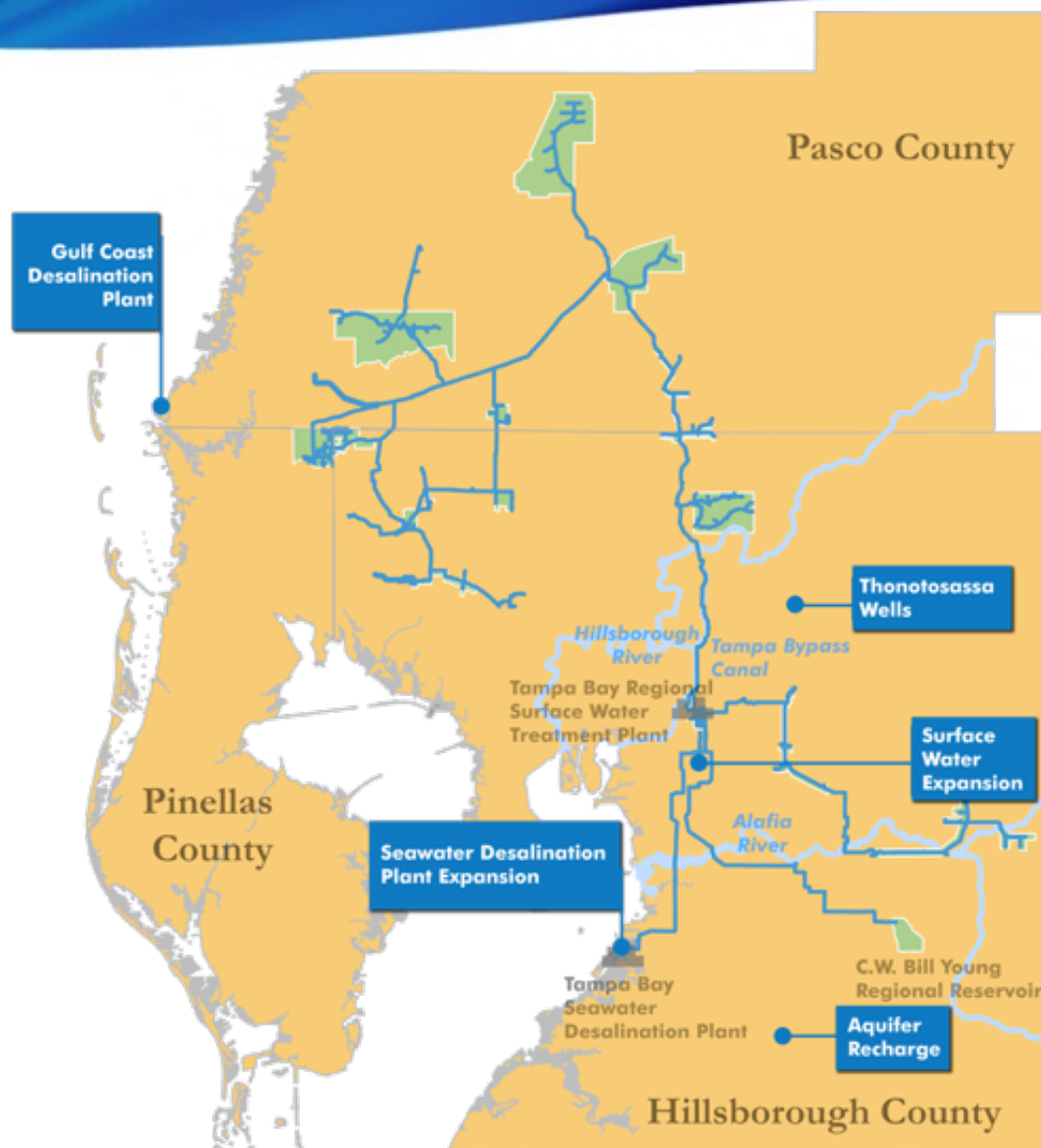
Today the system is about  
50% groundwater, 41%  
surface water and  
desalinated seawater is  
about 9%



# Current Master Water Plan Update Process



# Planning for the Future Master Water Plan Update in 2018

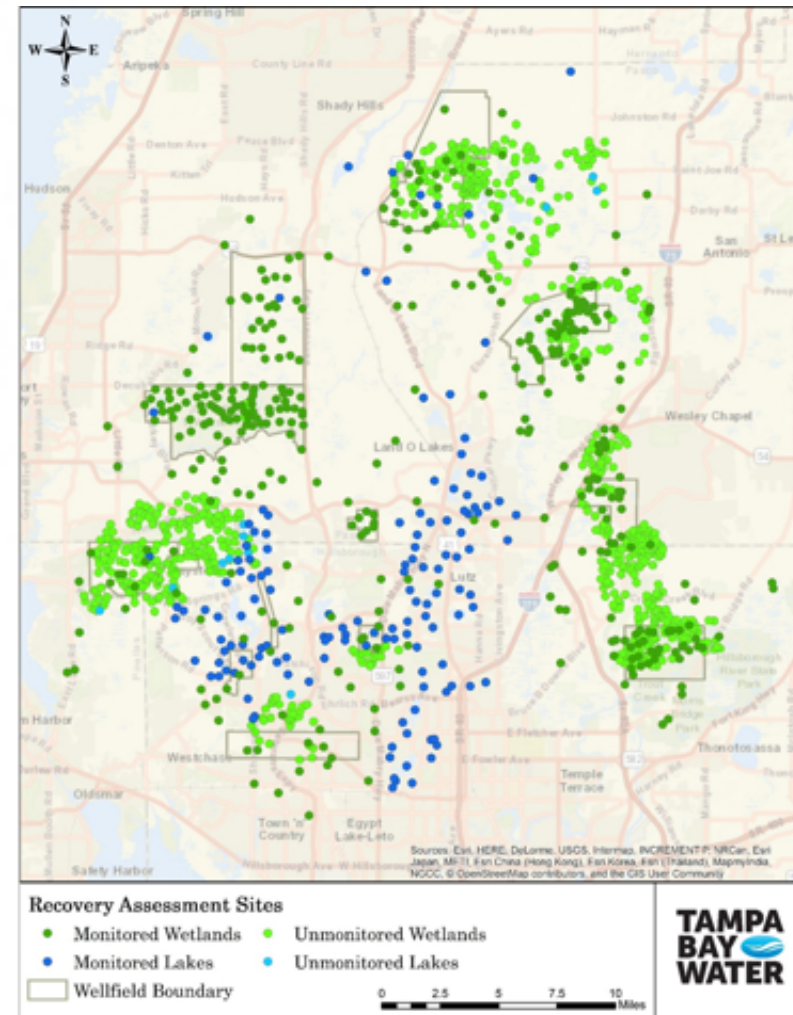


**Three projects  
were approved  
for additional  
feasibility studies  
in December  
2018**



# Recovery Assessment Program

- Consolidated wellfields
- Developed a groundwater operations tool to optimize pumpage
- Implemented a recovery assessment plan to evaluate success of reduced pumpage





# **Build Sustainable Communities**

- **Banding together made sense**
  - **Workable legacy for our children**
  - **Eliminate intergovernmental strife**
  - **Achieve economies of scale**
  - **Invest more in science/  
monitoring/mitigation for larger  
project**
  - **Address opposition issues with  
science using one voice**



# Building Alliances to Create Solutions

**Environmental  
Groups**

**Public  
Stakeholders**

**Member  
Governments**

**Business  
Community**

**Water Management  
District**

**Private  
Partners**

**Consultants**

**Staff**



# How Did We Do It?

## Four Critical Steps to Any Model

1. Develop hard independent data
2. Seek an “Agreement in Principle”
3. Employ the politics of inclusion
4. Collect a legislative mandate

# Seek an Agreement in Principle

- What is the goal?
- What are the objectives?
- How will it work?
- When will it be finalized?



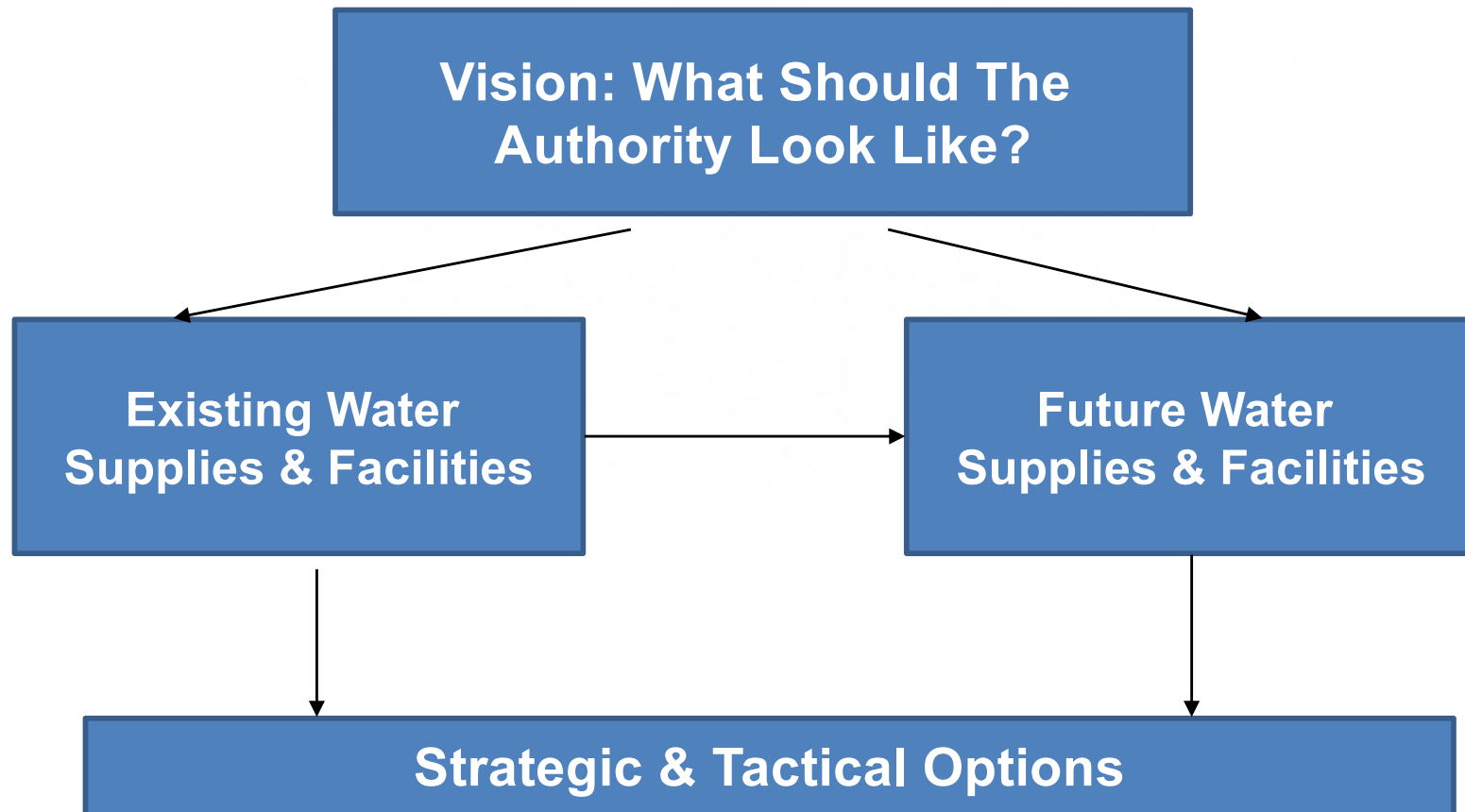


# Strategic Questions

- Who should own and operate wholesale water supply?
- How should capital, operations and maintenance and facility services be shared?
- What is the best combination of governance and financial structures?



# Decision-Making Framework for Governance and Strategic Ownership



# An Inclusive Process



# Secure Legislative Mandate

- “Fix it or be fixed” provides incentive
- Provide progress reports to the legislature of restructuring
- Once restructured, keep the legislature informed



# Governance Documents



# What We've Achieved Since 1998

- Ended litigation
- Constructed \$1 billion interconnected, regional water supply system
- Developed river water and desalinated seawater alternative supplies
- Reduced groundwater pumping from 147 mgd in 1998 to 80 mgd in 2013



# Protecting Water Resources





A photograph of a swampy forest, likely a cypress swamp. The image shows numerous tall, slender, dark-barked trees standing in shallow water. The water is calm, reflecting the green foliage and the dark trunks of the trees. In the foreground, there are some green reeds or grasses. The overall scene is a dense, lush forest environment.

Questions?  
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