SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Regional Water Resource Priorities

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April 27, 2012

sfwmd.gov

Strategic Priorities

- Strategic Plan Adopted by BCB Board August 27, 2010
  - Maximize Flood Protection
  - Restore and protect Big Cypress Basin ecosystems
  - Protect and improve inland and estuarine water to achieve water quality standards
  - Ensure sustainable water supplies

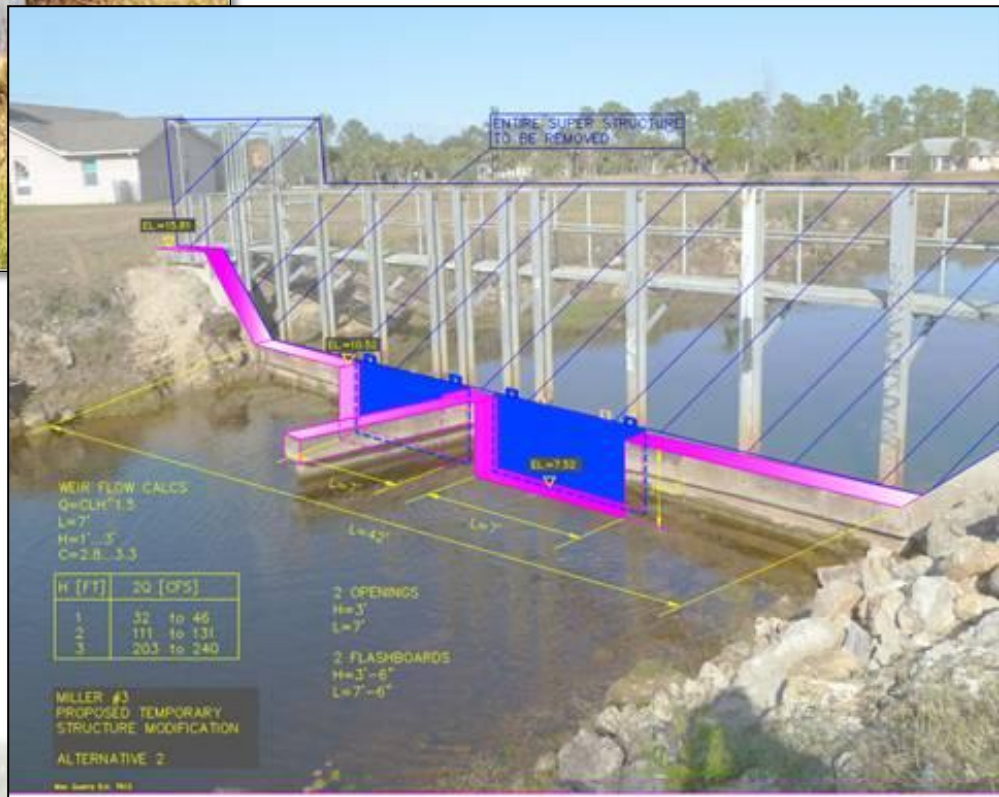
Maximize Flood Protection

- Efficiently operate and maintain primary canal and water control structure network
- Improve canal conveyance while emphasizing water resource protection
- Retrofit old, inefficient water control structues
- Cooperate with local governments to improve and maintain secondary and tertiary systems

Flood Protection Projects

GG#4

Miller #3



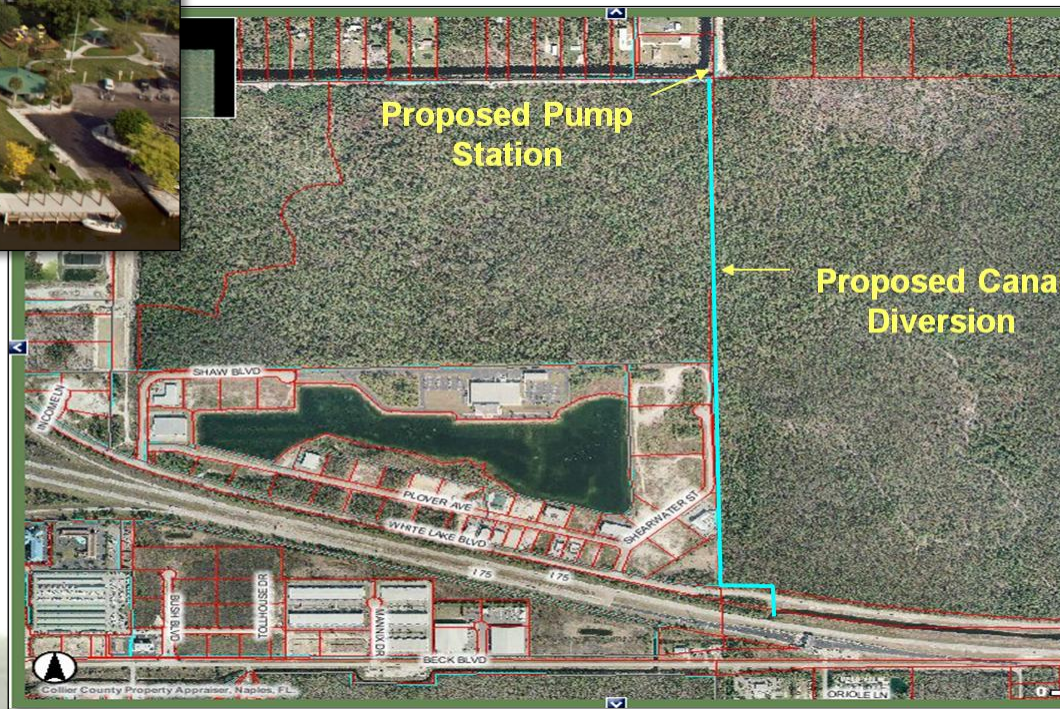
Enhance Ecosystems

- Restore historic flow-ways to enhance wetland functions
- Support land acquisition for restoration
- Improve water storage capacity
- Improve the timing, quality and distribution of fresh water to coastal estuaries
- Implement restoration projects for coastal water bodies

Ecosystem Enhancement Projects

- Estimated Average annual flow reduction by a combination of the following future diversion projects = 120 cfs (78 MGD/238 AF/D)
  - Henderson Creek Diversion – Max: 100 cfs (65 MGD/198 AF/D)
  - North Belle Meade Rehydration = Max: 700 cfs (455 MGD/1386 AF/D)
  - Miller Canal#3 retrofit = Max 400 cfs (260 MGD/792 AF/D)
- Reduction from 2012 level = 45%

Enhance Ecosystems



Plan Elements - Belle Meade Area

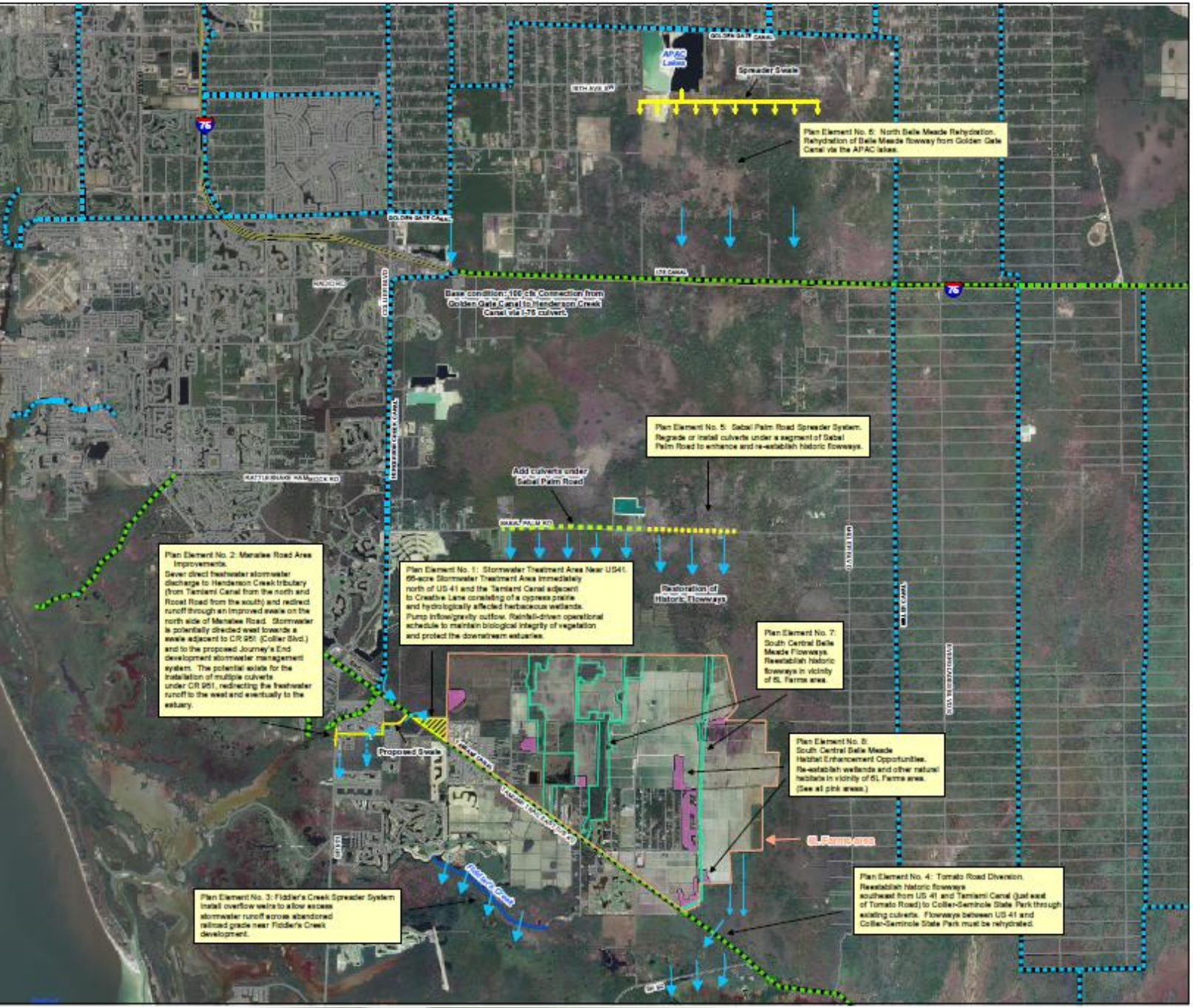


FIGURE 6.1
Plan Elements

Legend

- SFWMD Canals
- Non-SFWMD Canals
- Roads
- Interstate
- Proposed Flowways
- Flow Direction

N

0 3,000 6,000 Feet

PARSONS
1688 Palm Beach Lakes Blvd, Suite 1108
West Palm Beach, FL 33401
(561) 310-6426

C-15776
Belle Meade Stormwater Management Master Plan

metadata: Available in GIS
data source:
Aerial: Labins DOQQ 2004
Canals: SFWMD 2004
Road: Collier County 2004
Elements: HSA 2006
project: Belle Meade
create date: 03/29/2006
modified date: 08/30/2006

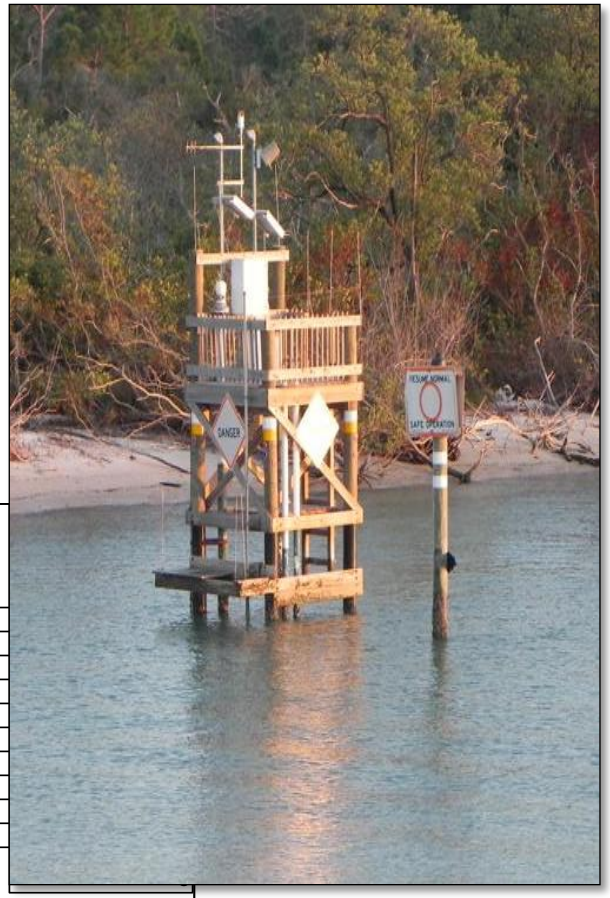
Prepared for:

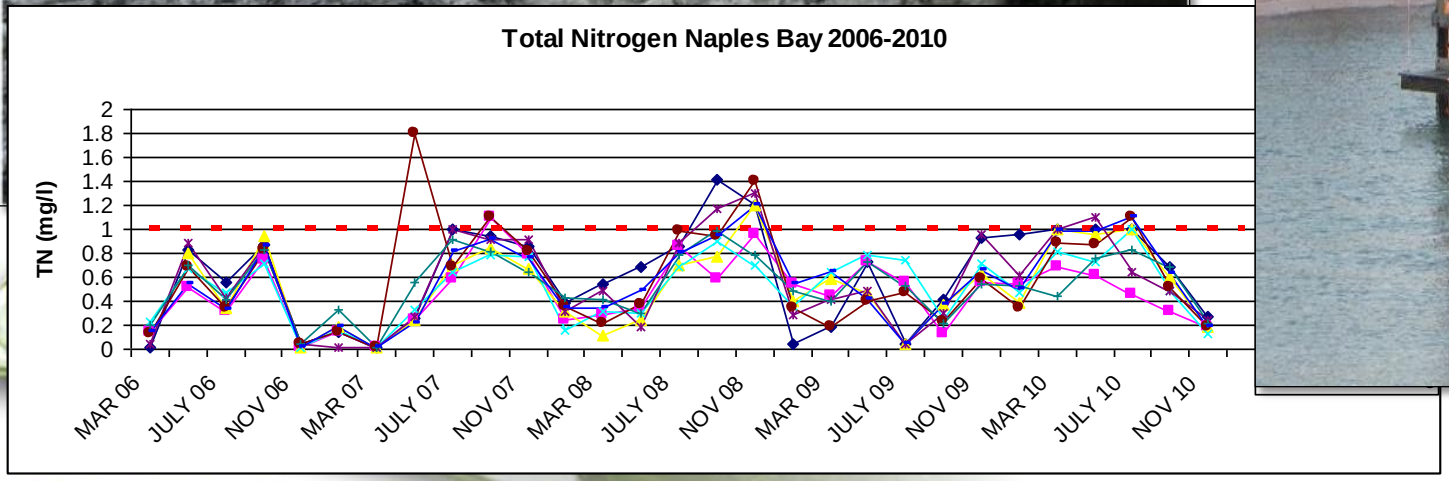
Collier County

Improve Water Quality

- Monitor the trends of surface and groundwater quality
- Support local governments to implement stormwater improvement projects
- Operate water control structures to meet water quality standards of receiving waters

Water Quality Improvement Projects

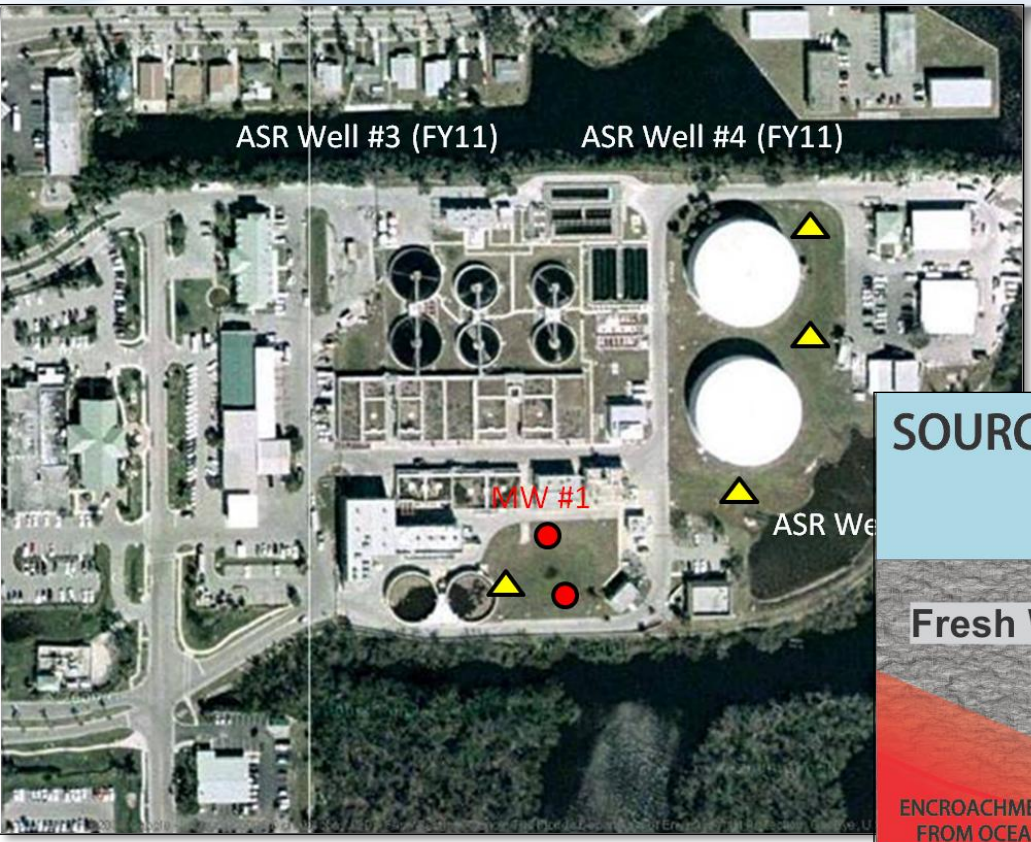


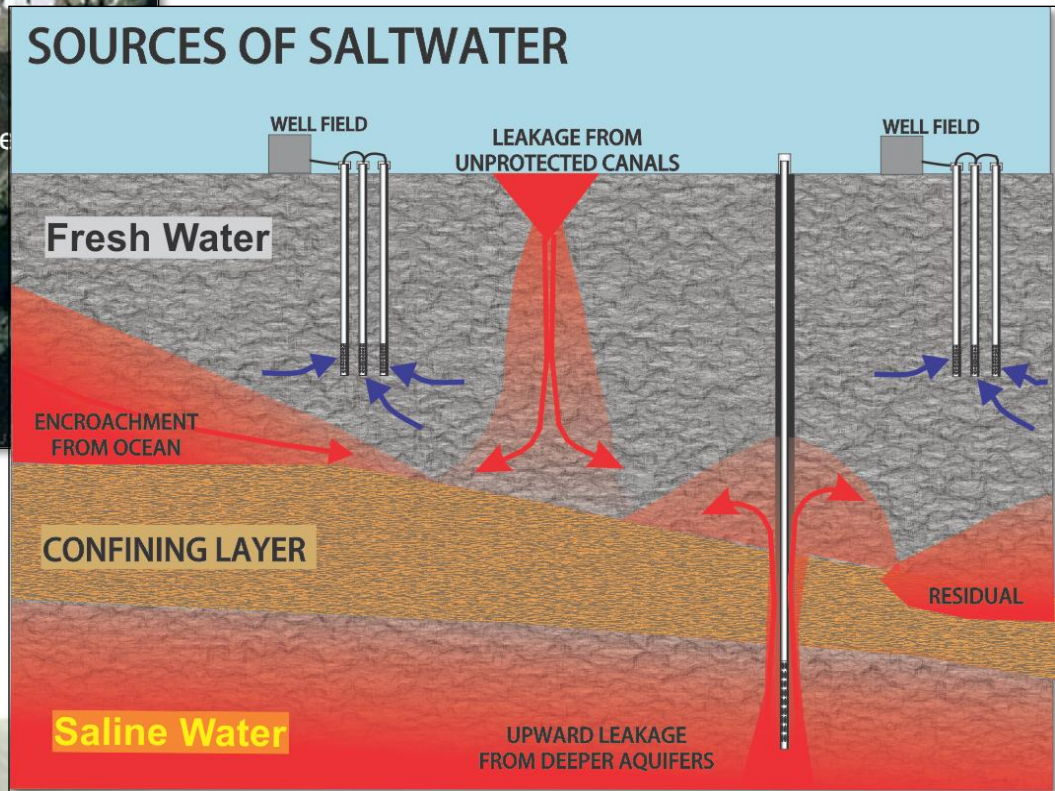


Protect Water Supply

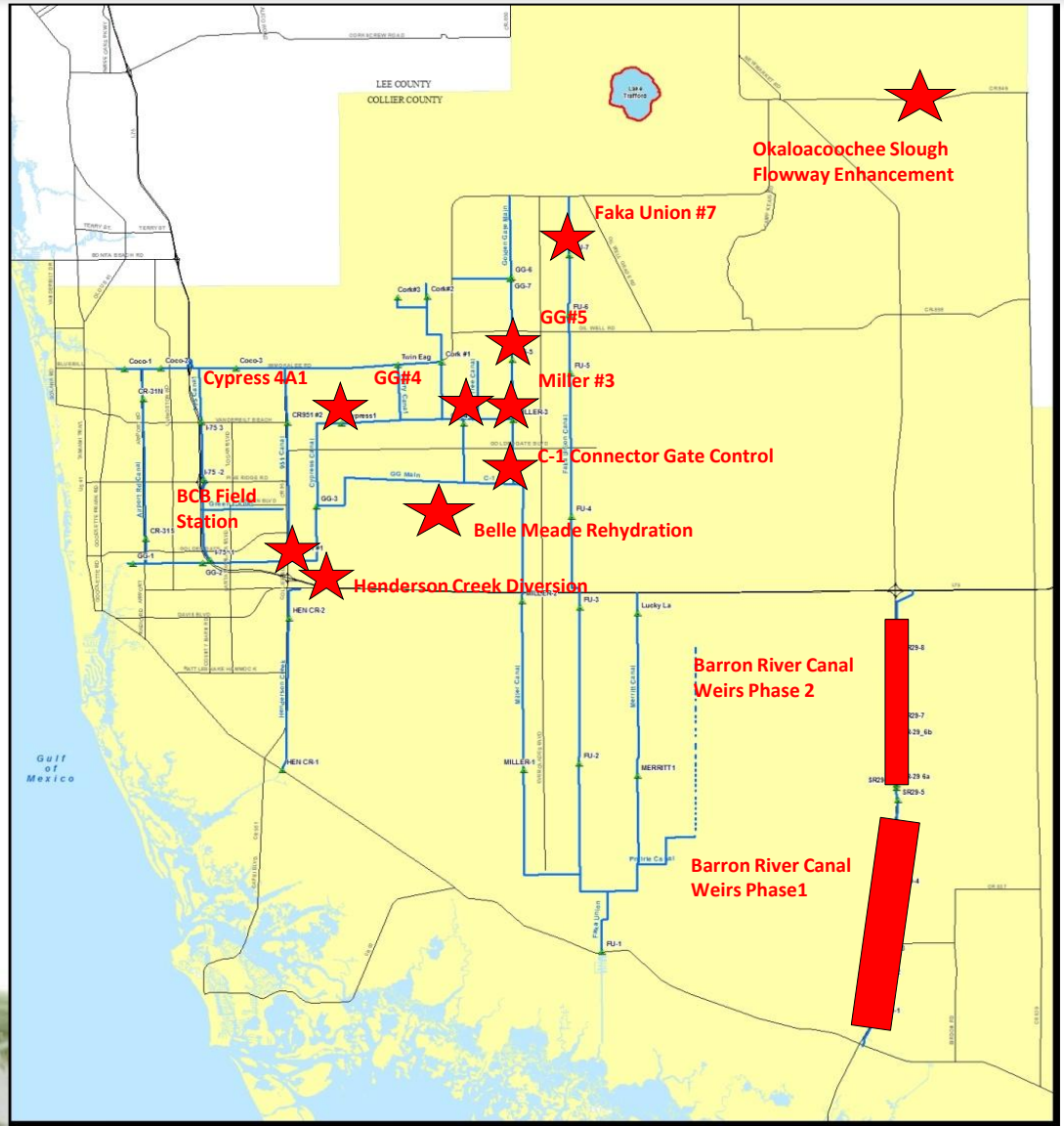
- Develop and implement the regional water supply plan
- Create financial and other incentives for regional solutions, develop alternative water supplies and water conservation
- Update regional models to assist in determining water sustainability in the Basin
- Strengthen the linkage between land use, water supply planning and consumptive use

Water Supply Projects

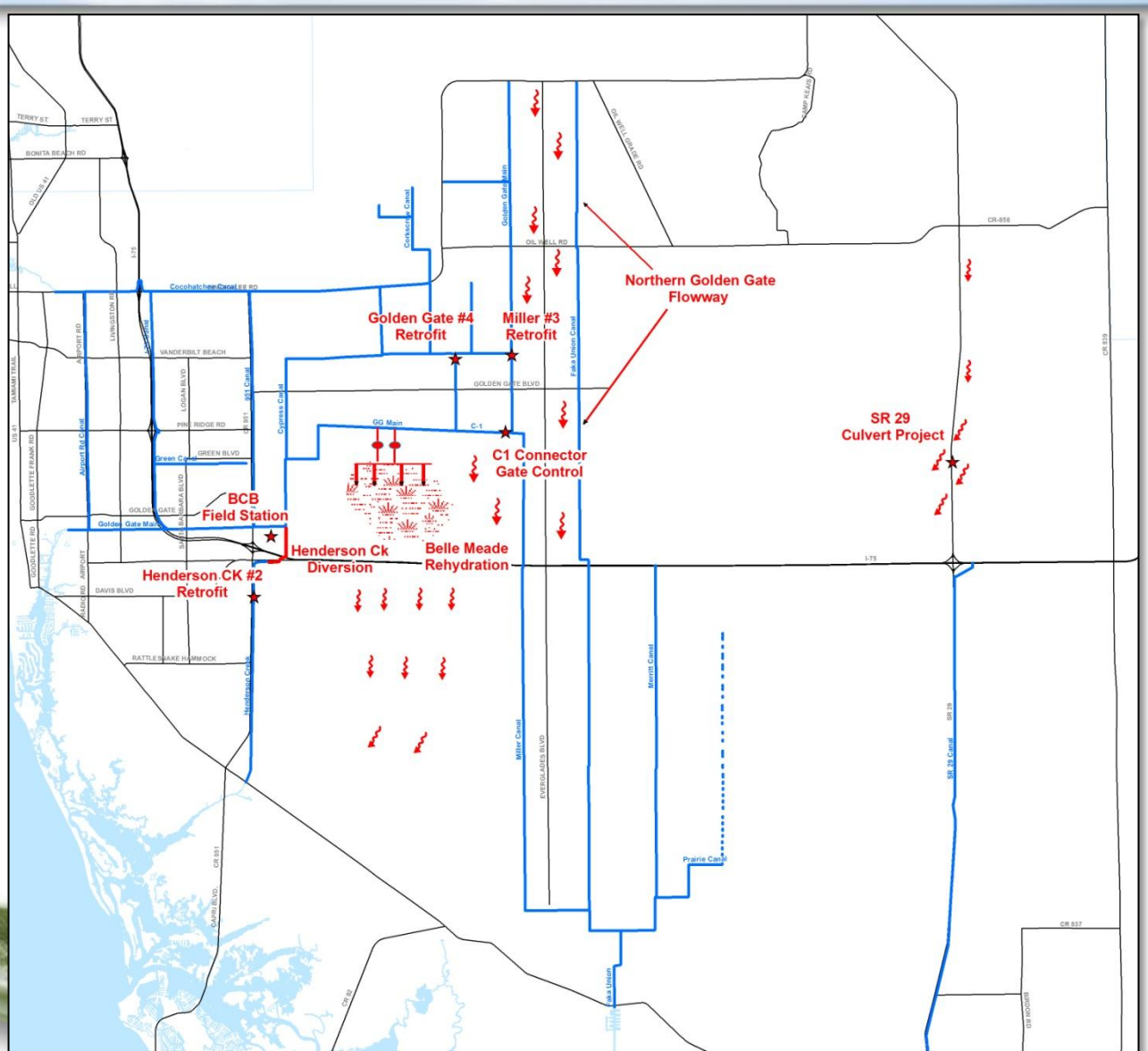


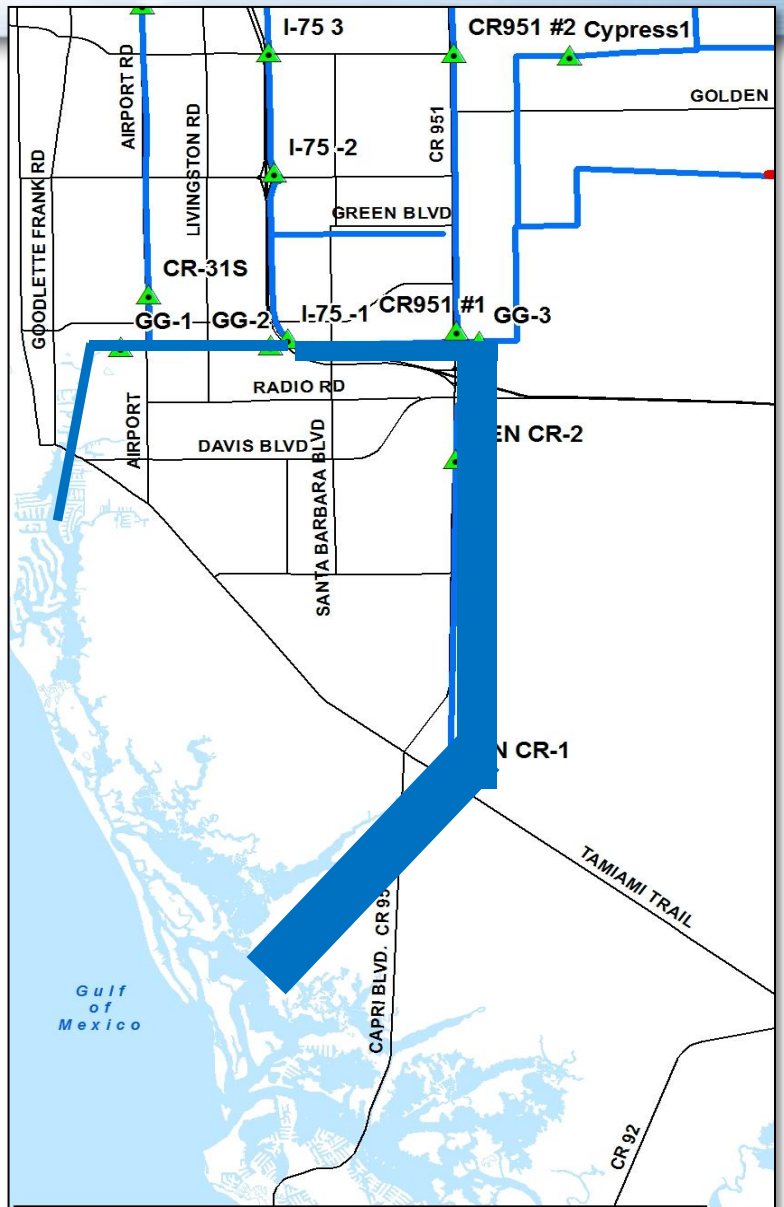


Existing Commitments: Capital Improvement Projects



Future Capital Improvement Projects



Regional Strategic Priorities

- Improvements to Primary and Secondary systems
- Restore historic flows
  - Henderson Creek Diversion
  - Belle Meade flow-way
  - Northern Golden Gate Estates flow-way
  - Okaloacoochee Slough
- Decrease inflows to Naples Bay