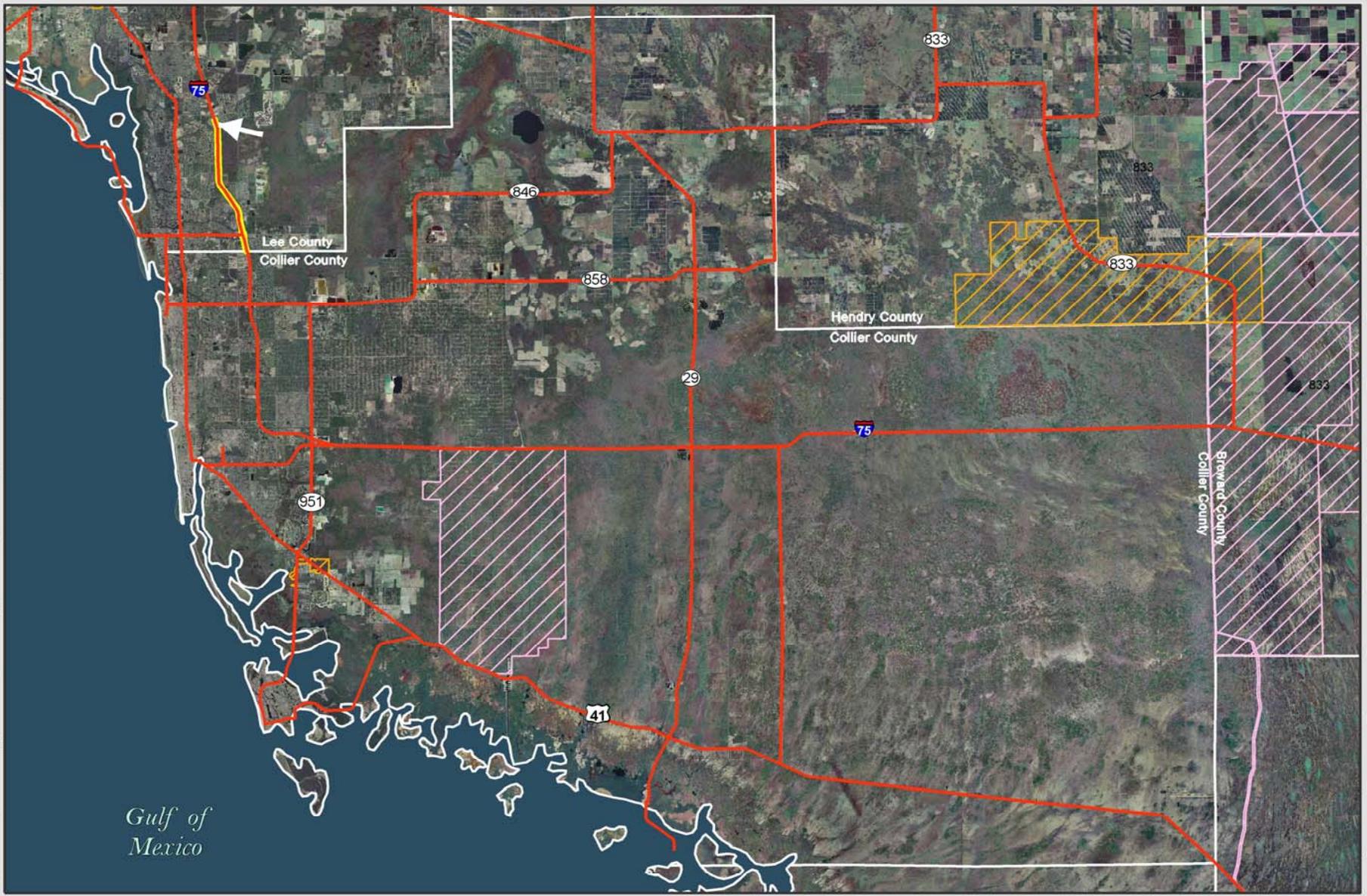




**I-75 From Collier/Lee County Line North to
Corkscrew Road (Segment B)
February 14, 2008**

Robert M. Brown, Director

Environmental Resource Regulation Department



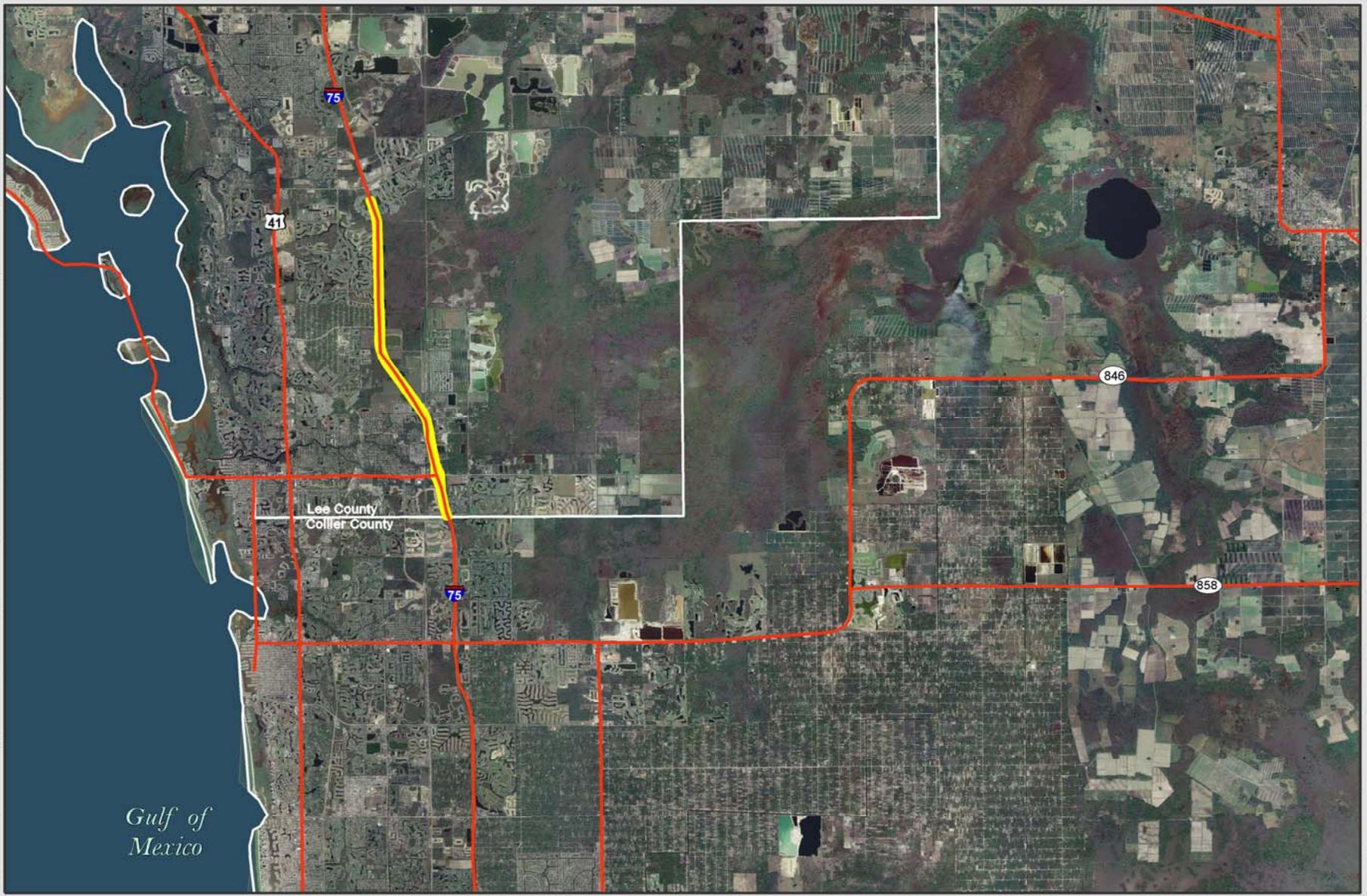
I-75 Segment B

APP 070803-18
 ROADS
 COUNTY LINES
 CERP AREA
 CERP STUDY AREA

Map made by: Lynn J. Cox
 Environmental Resource Regulation
 Map Date: February 13, 2008
 Imagery: 2004-2005 DOQQ, Natural Color, 1mtr

This map is a conceptual tool utilized for project development and implementation only. This map is not self-executing or binding, and does not otherwise affect the interests of any person including any vested rights or existing uses of real property. Any information, including but not limited to maps and data, received from the SFWMD is provided "as is" without any warranty and the SFWMD expressly disclaims all express and implied warranties of merchantability and fitness for a particular purpose. The District does not make any representations regarding the use or the results of the use, of the information provided to you by the District.

0 1 2 4 6 Miles



Gulf of Mexico

Lee County
Collier County

I-75 Segment B

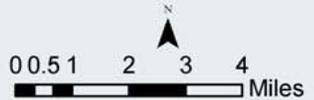
- APP. 070803-18
- ROADS
- COUNTY LINES

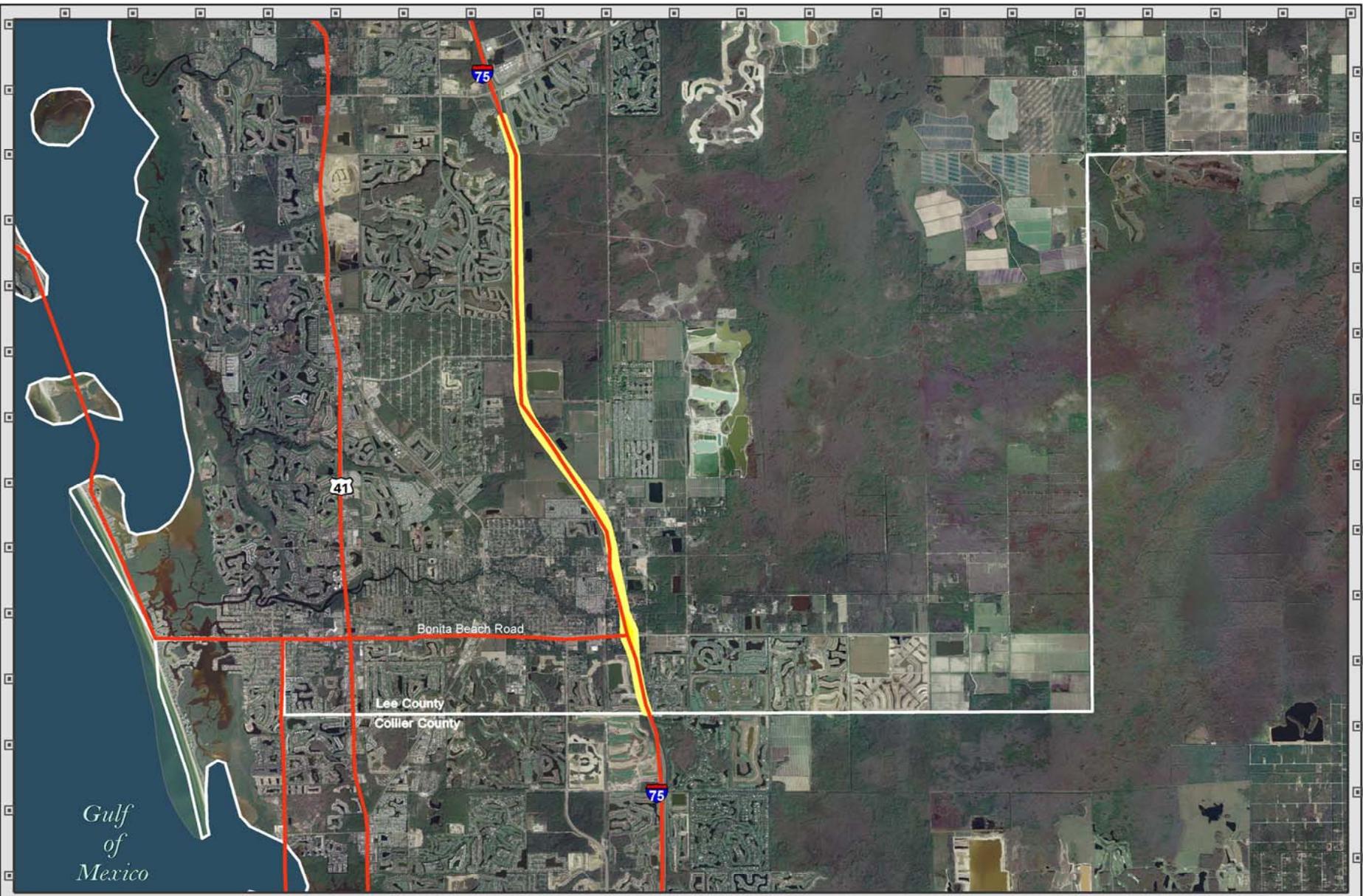


Map made by: Lynn J. Cox
Environmental Resource Regulation
Map Date: February 13, 2008
Imagery: 2004-2005 DOQQ, Natural Color, 1mtr



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- APP. 070803-18
- ROADS
- COUNTY LINES

I-75 Segment B



Map made by: Lynn J. Cox
 Environmental Resource Regulation
 Map Date: February 13, 2008
 Imagery: 2004-2005 DQOQ, Natural Color, 1mtr



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I-75 From Collier/Lee County Line North to Corkscrew Road (Segment B)



- Lee County
- ERP is requested for construction and operation of a surface water management system to serve a 408 acre phase of I-75 road widening in Lee County from Lee/Collier County line north to Corkscrew Road.
- Proposed project lies within the Southern Crew Imperial River Flow-way project.

I-75 From Collier/Lee County Line North to Corkscrew Road (Segment B)



- Proposed road widening project will impact 79.46 acres of wetlands directly and 20.73 acres of wetlands secondarily.
- As mitigation for the impacts, FDOT will be purchasing credits from the Big Cypress and Corkscrew Regional Mitigation Banks.

I-75 From Collier/Lee County Line North to Corkscrew Road (Segment B)

Regulation staff has coordinated with the CERP project manager and determined that the project is not inconsistent with the Southern Crew Imperial River Flow-way Project.



Manna Christian & Worthington Looking South – October 19, 1995



Bonita Beach Road Looking East to I-75 – Oct. 16, 1995



Edith Drive at Bonita Beach Road - 1995



Imperial Bonita Estates Entrance - 1995



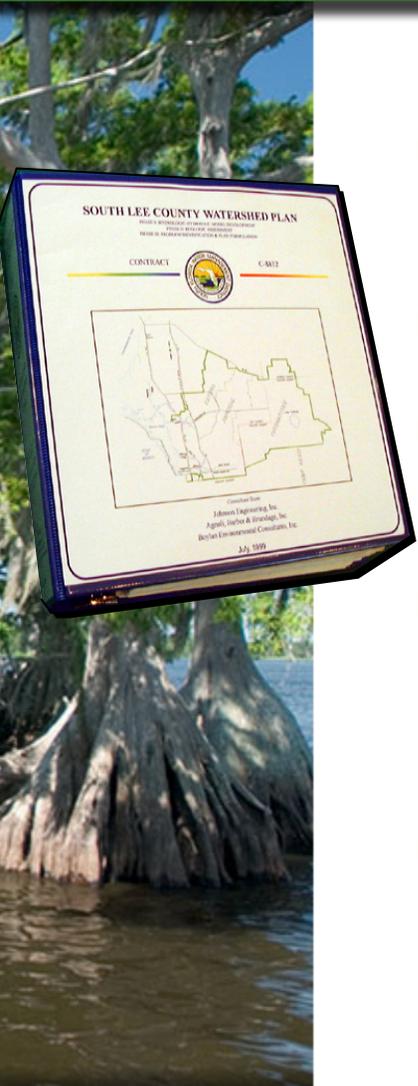
I-75 Looking South Sweet Water Ranch (The Brooks) 1995



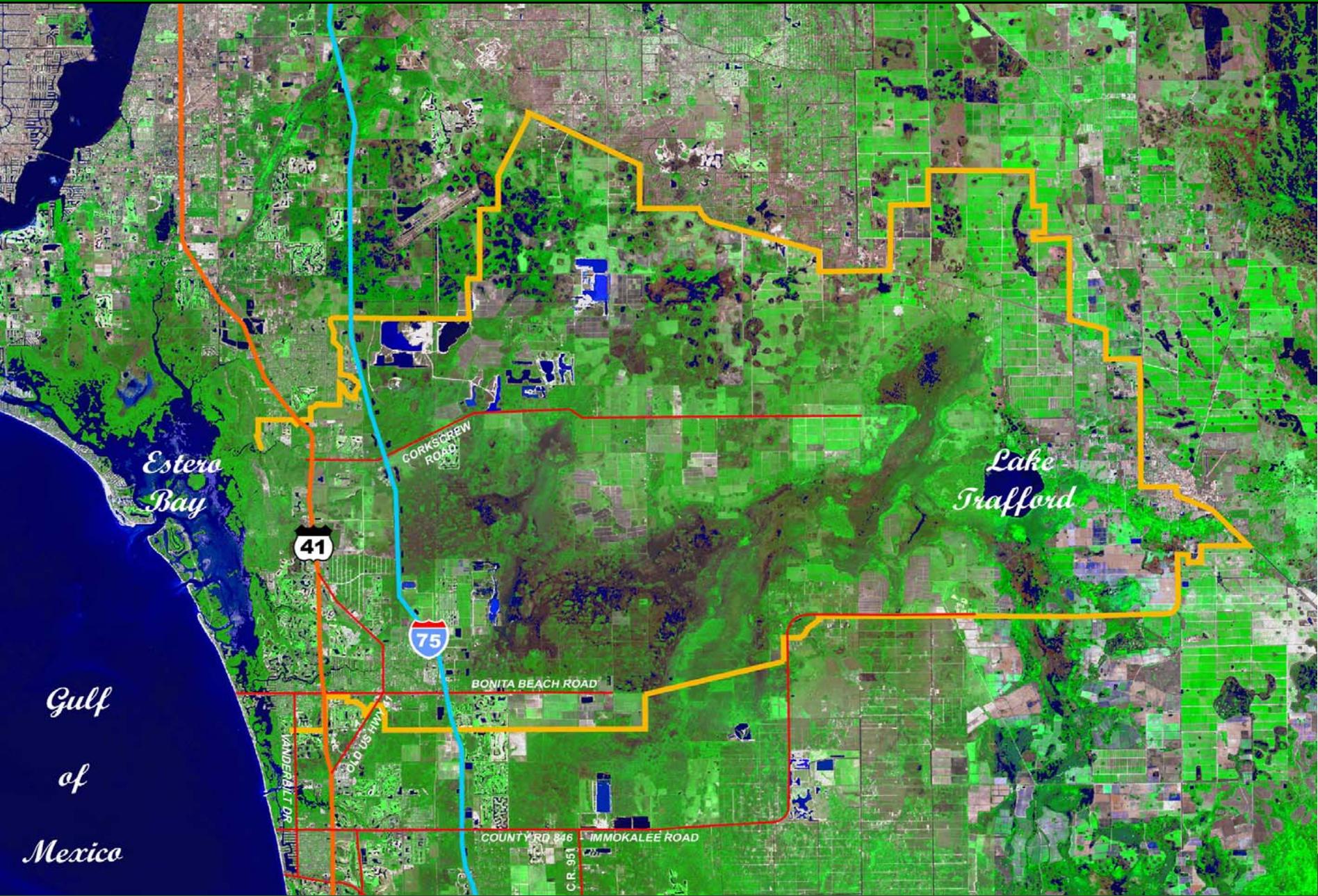
The Brooks

District Funded the South Lee County Watershed Plan in Order to:

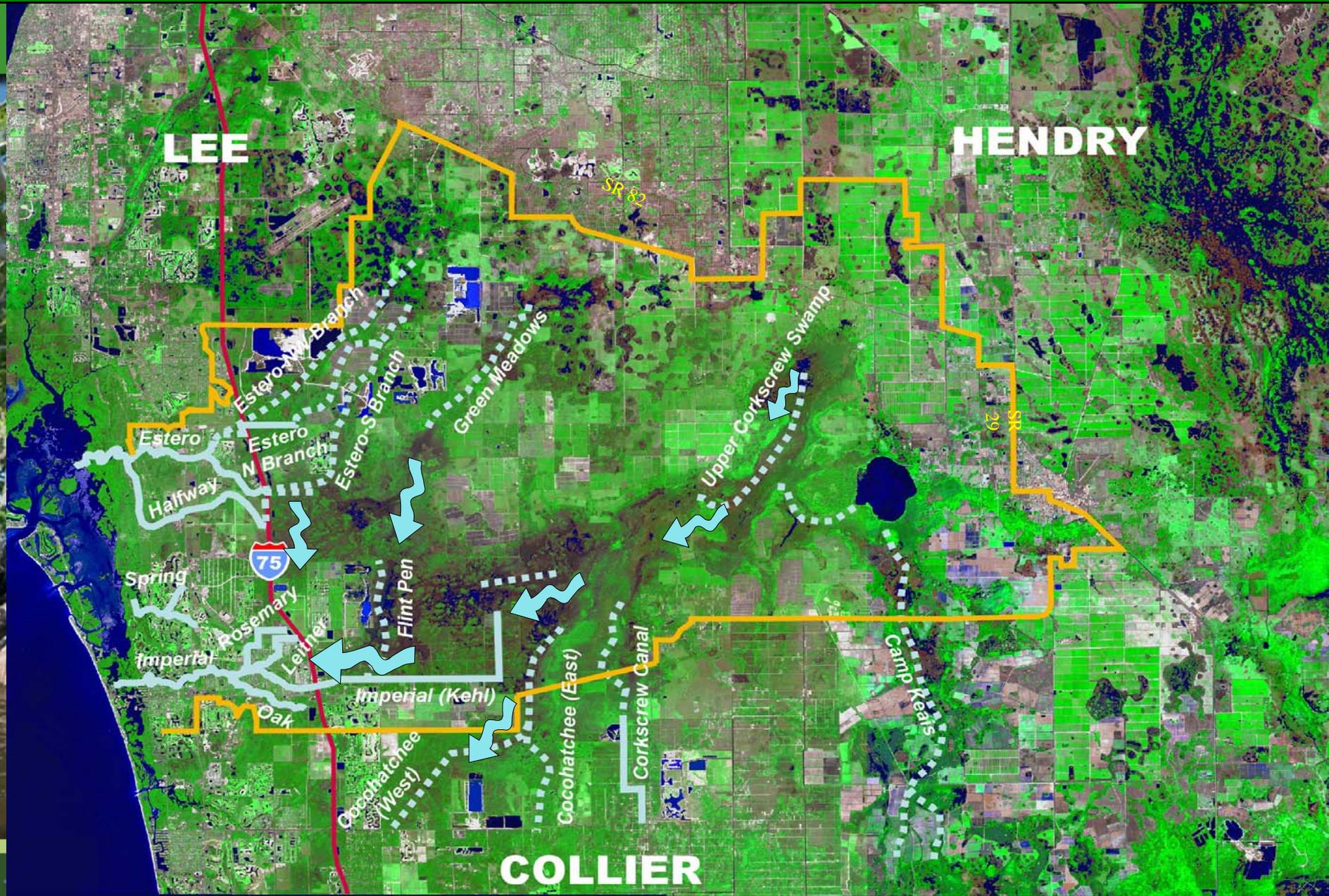
- Restore historic surface water flow characteristics
- Maintain and improve flood protection
- Develop an integrated hydrologic – hydraulic model
- Develop an organized regional watershed plan to ensure continuity of natural resources management efforts throughout the system
- Study cost approximately \$600,000



South Lee County Watershed Map



South Lee County Watershed Map



South Lee County Watershed Plan Halfway Creek Implementation Measures



- Increase conveyance of water from I-75 to Seminole Gulf Rail Road (The Brooks)
- Replacement of FP&L bridge with culverts
- Increase conveyance of water under Seminole Gulf Rail Road
- Convey floodwaters north to the south branch of Estero River
- Convey floodwaters south to Spring Creek

Estero River Basin Improvement



<u>Projects</u>	<u>District Funds</u>
Estero River Clean and Snag, Phase I	\$85,000
Estero River Clean and Snag, Phase II	\$15,000
South Branch Estero River Reconnect	\$100,000
North Branch Estero River Reconnect	\$100,000
Halfway Creek Clean and Snag	\$85,000
Halfway Creek Bridge Removal	\$29,183
SCL Railroad Improvements	\$300,000
Emergency Flood Control Structures (Brooks)	<u>\$600,000</u>
	\$1,314,183

Area Improvements



1. Estero River

Area Improvements



2. New Crossing at
Corkscrew Road

Area Improvements

3. Flow Way at The Brooks

Three Oaks Parkway

Williams Road



Area Improvements



Area Improvements



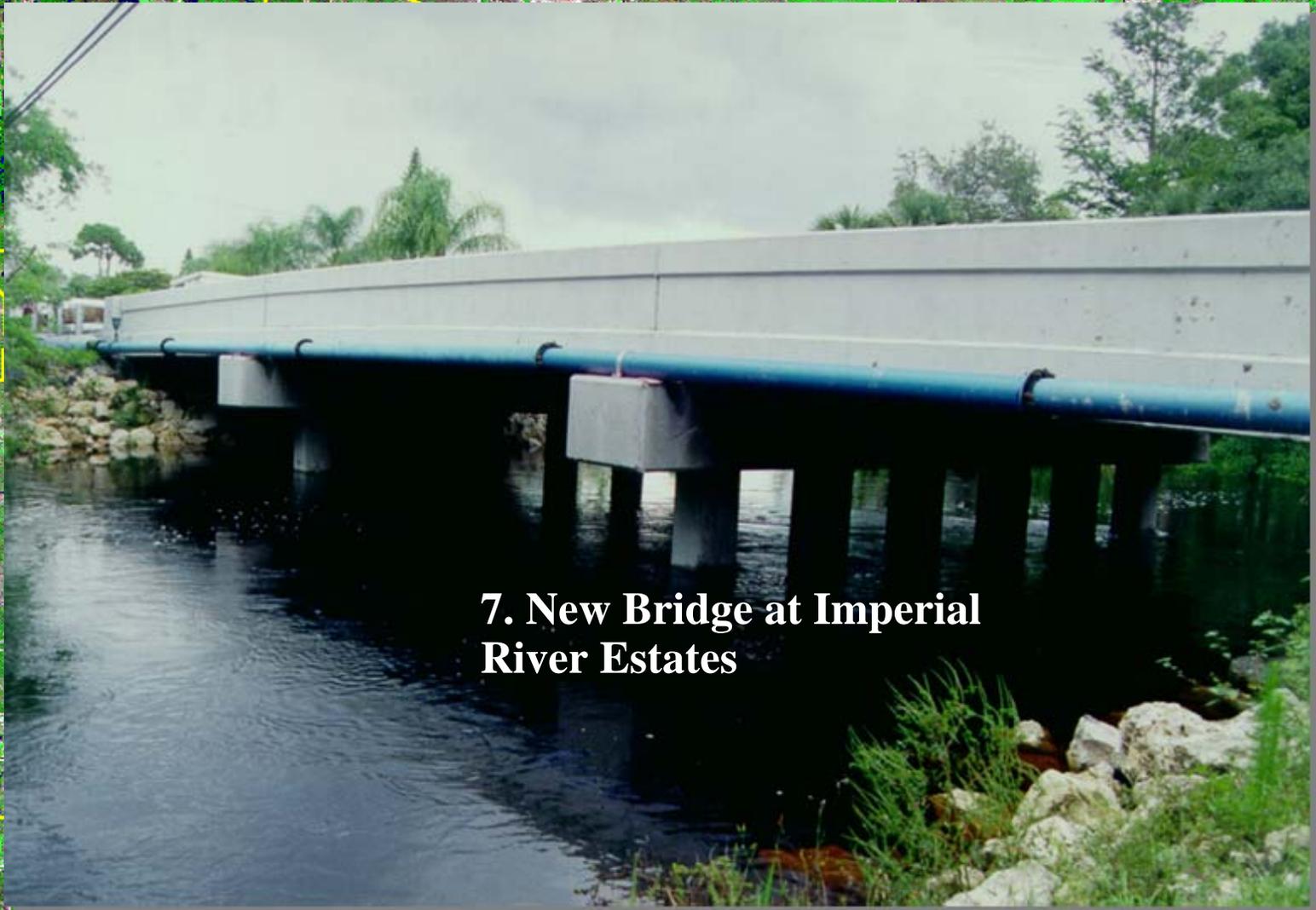
5. Improved Railroad Crossing

Area Improvements



6. Imperial River maintenance

Area Improvements



7. New Bridge at Imperial River Estates



Area Improvements



8. Flood line - 1995

Area Improvements



9. Kehl Weir

Area Improvements

10. Increased conveyance adjacent to Corkscrew Sanctuary



4

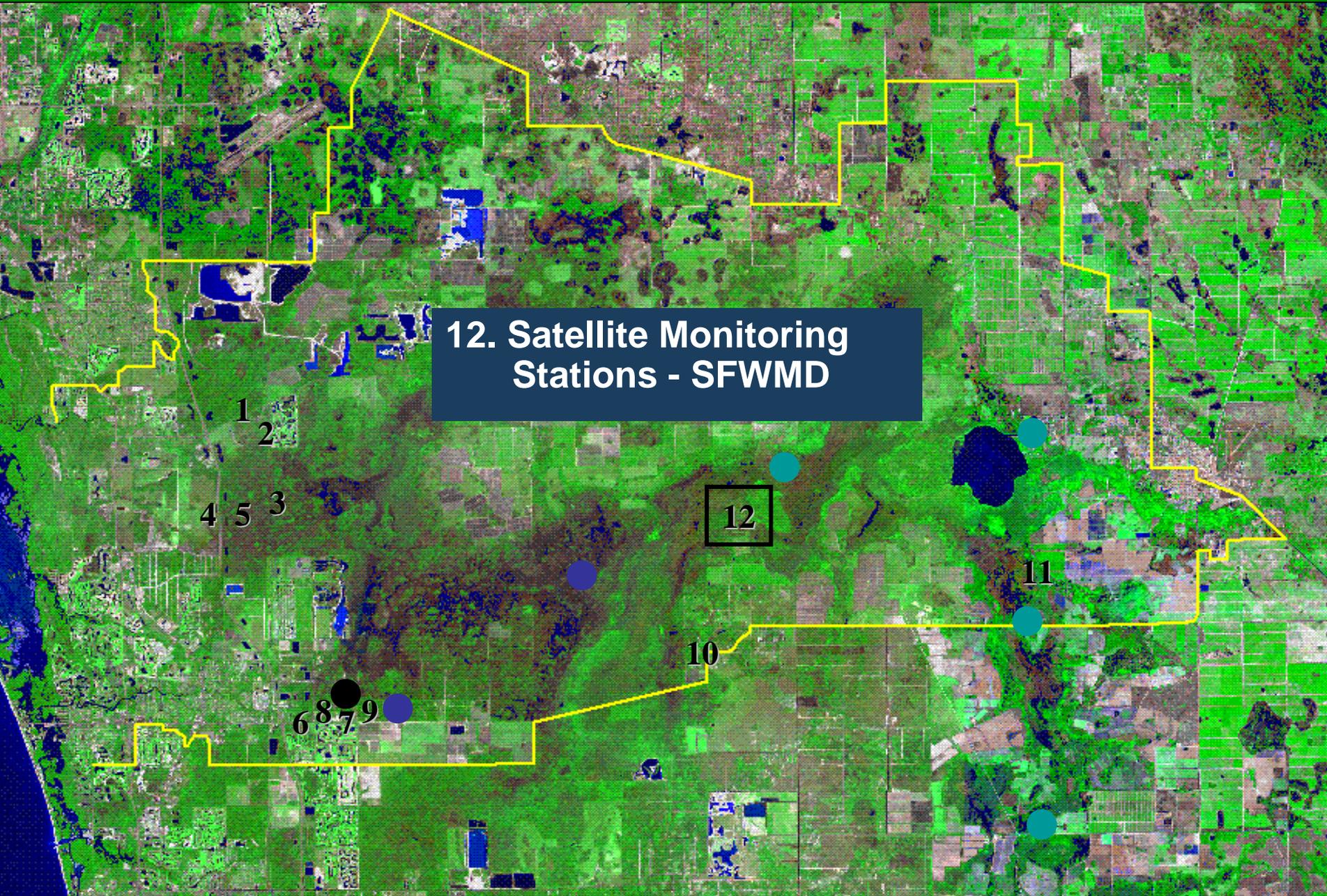
Area Improvements



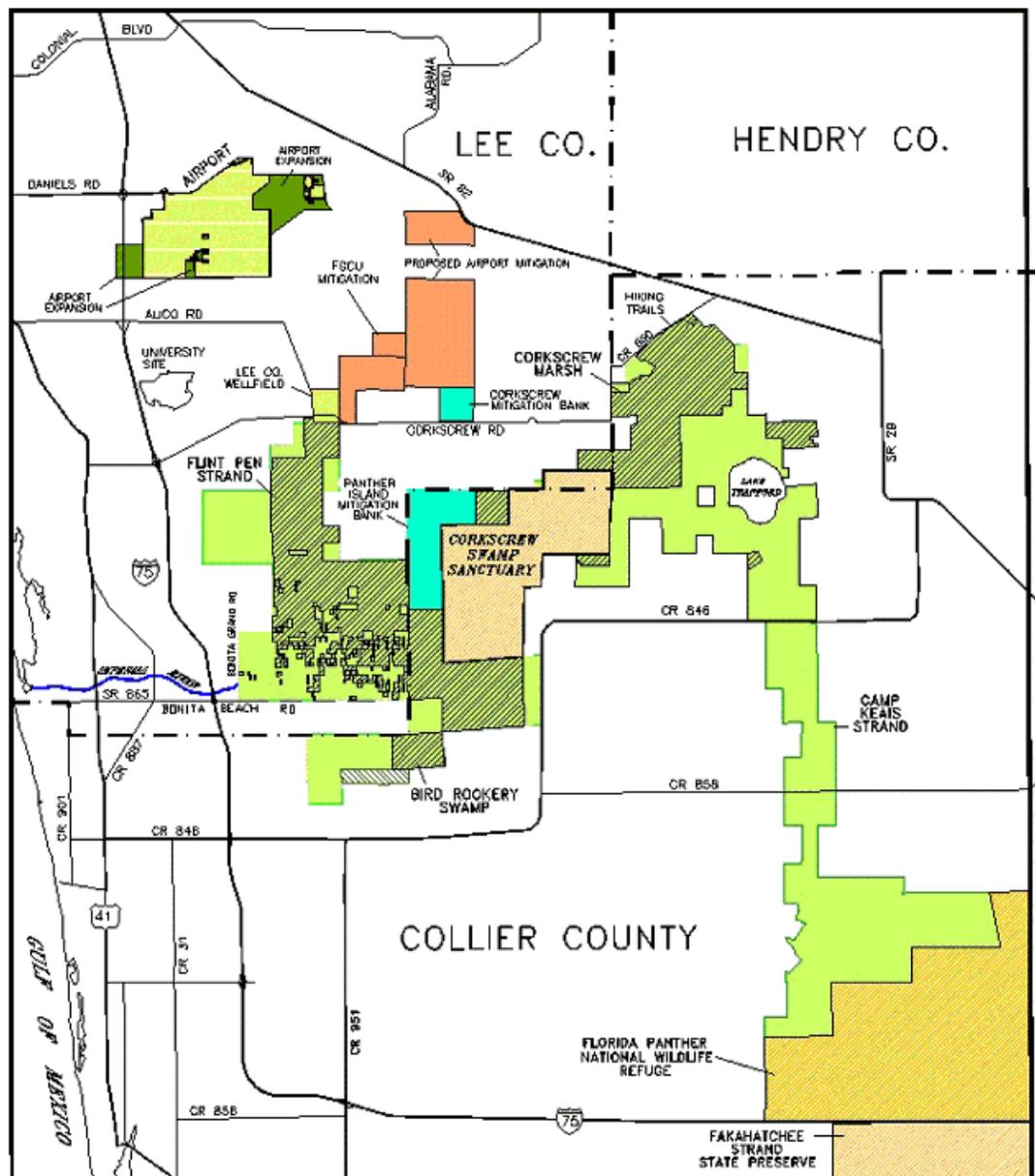
11. Camp Keais Strand

Area Improvements

12. Satellite Monitoring Stations - SFWMD



Over \$30 million invested in land acquisition.

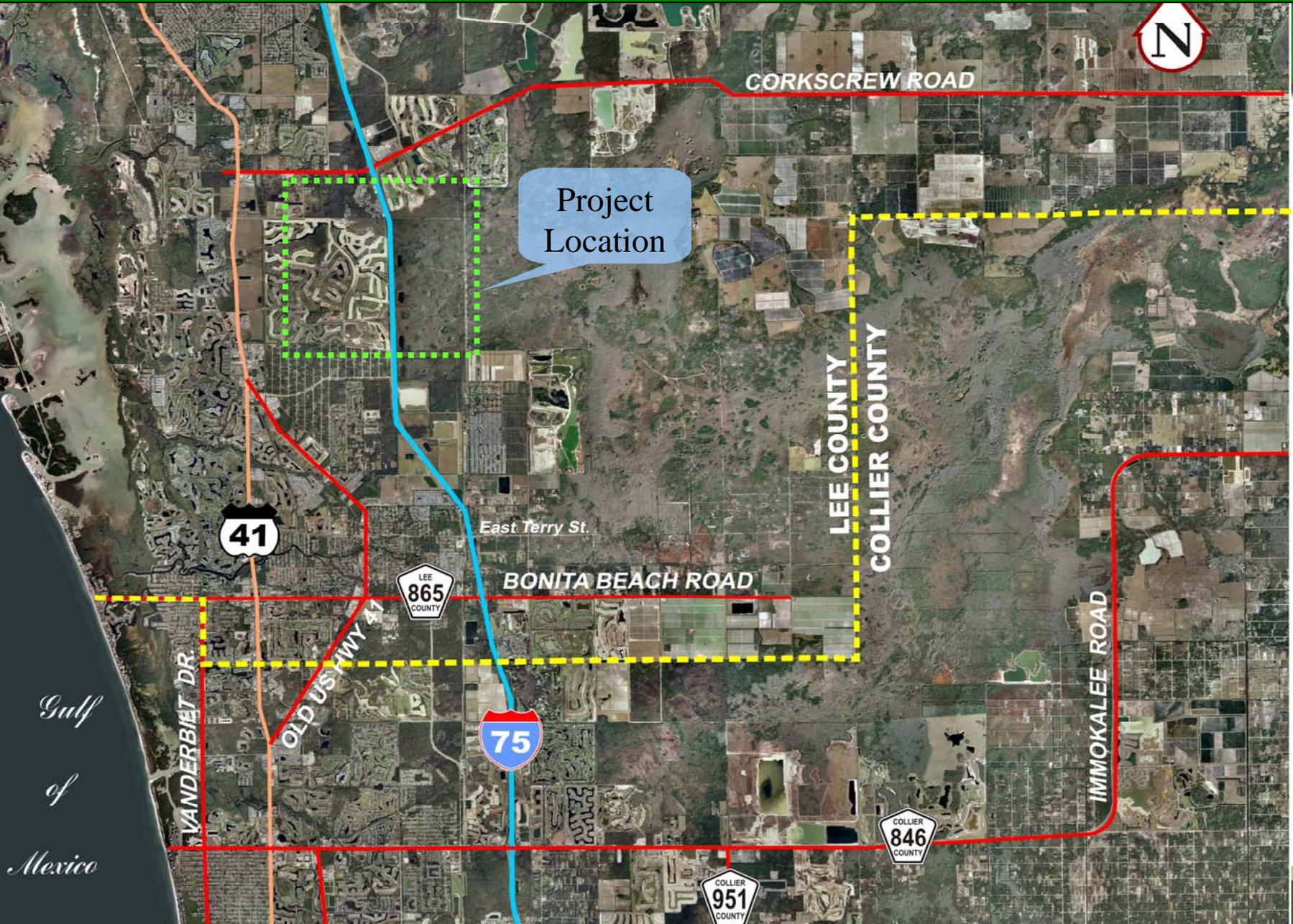


0 1 2 3 Miles
SOUTH FLORIDA
REGIONAL PLANNING BOARD
APRIL 20-2002

- | | | |
|-----------------------|------------------------|--------------------|
| CREW (PROPOSED) | MITIGATION BANK | AIRPORT MITIGATION |
| ACQUIRED (APPROX.) | OTHER PRESERVE/RESERVE | AIRPORT EXPANSION |
| CONSERVATION EASEMENT | | |

CREW.DWG

Restoration Successes

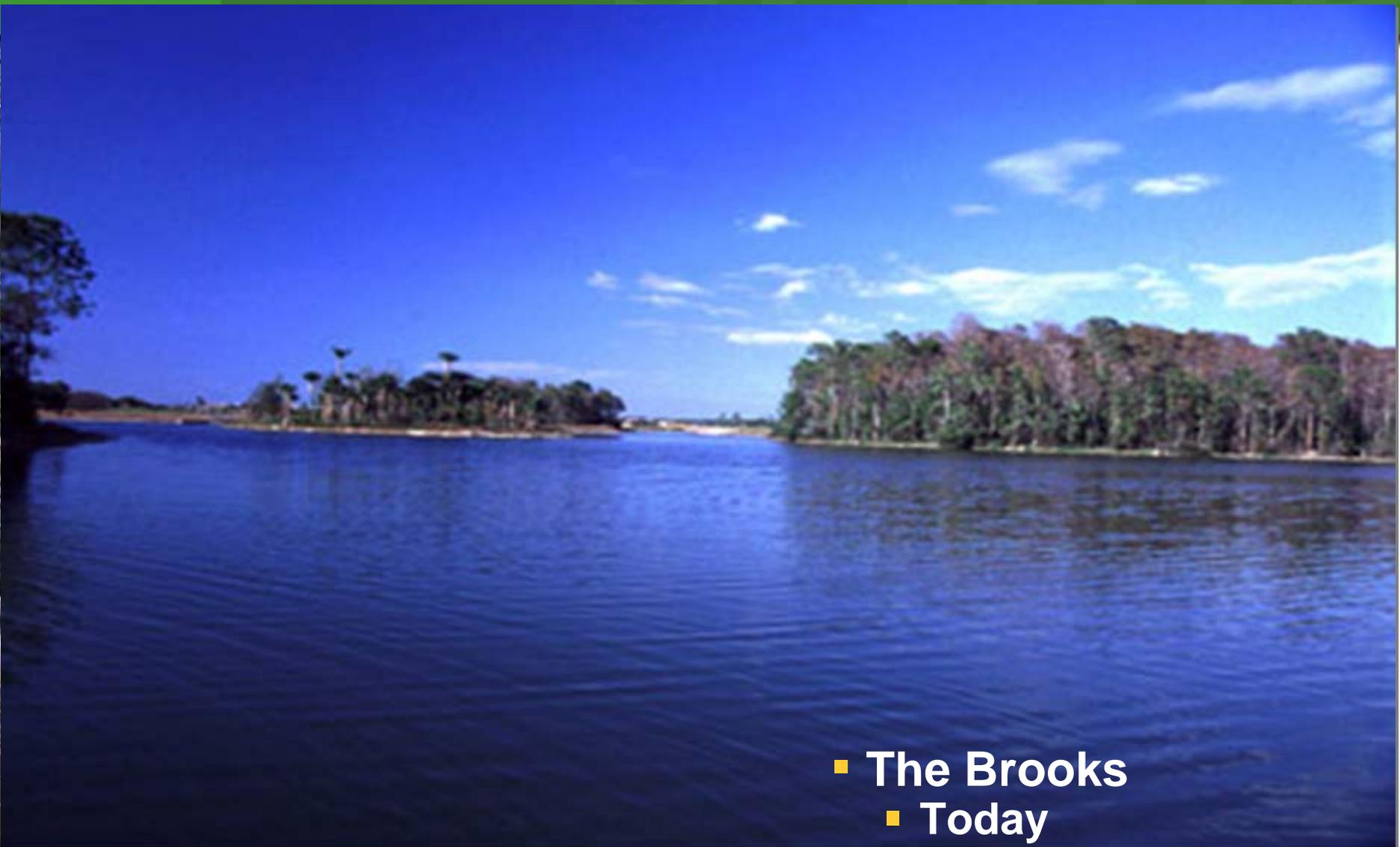


Recent Restoration Successes

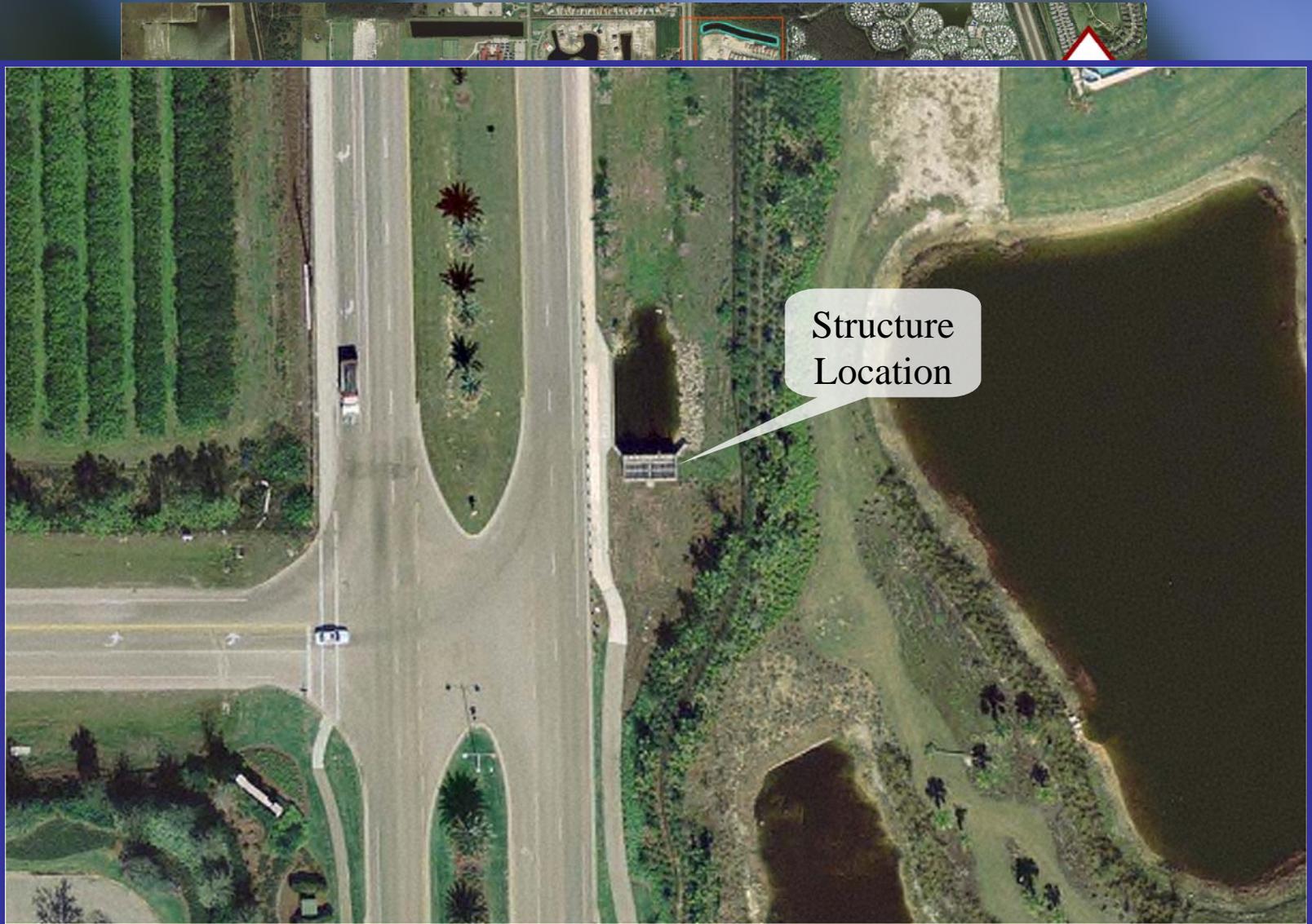


- The Brooks
 - 1997

Recent Restoration Successes

- 
- The Brooks
 - Today

Emergency Water Management Control Structure Installation

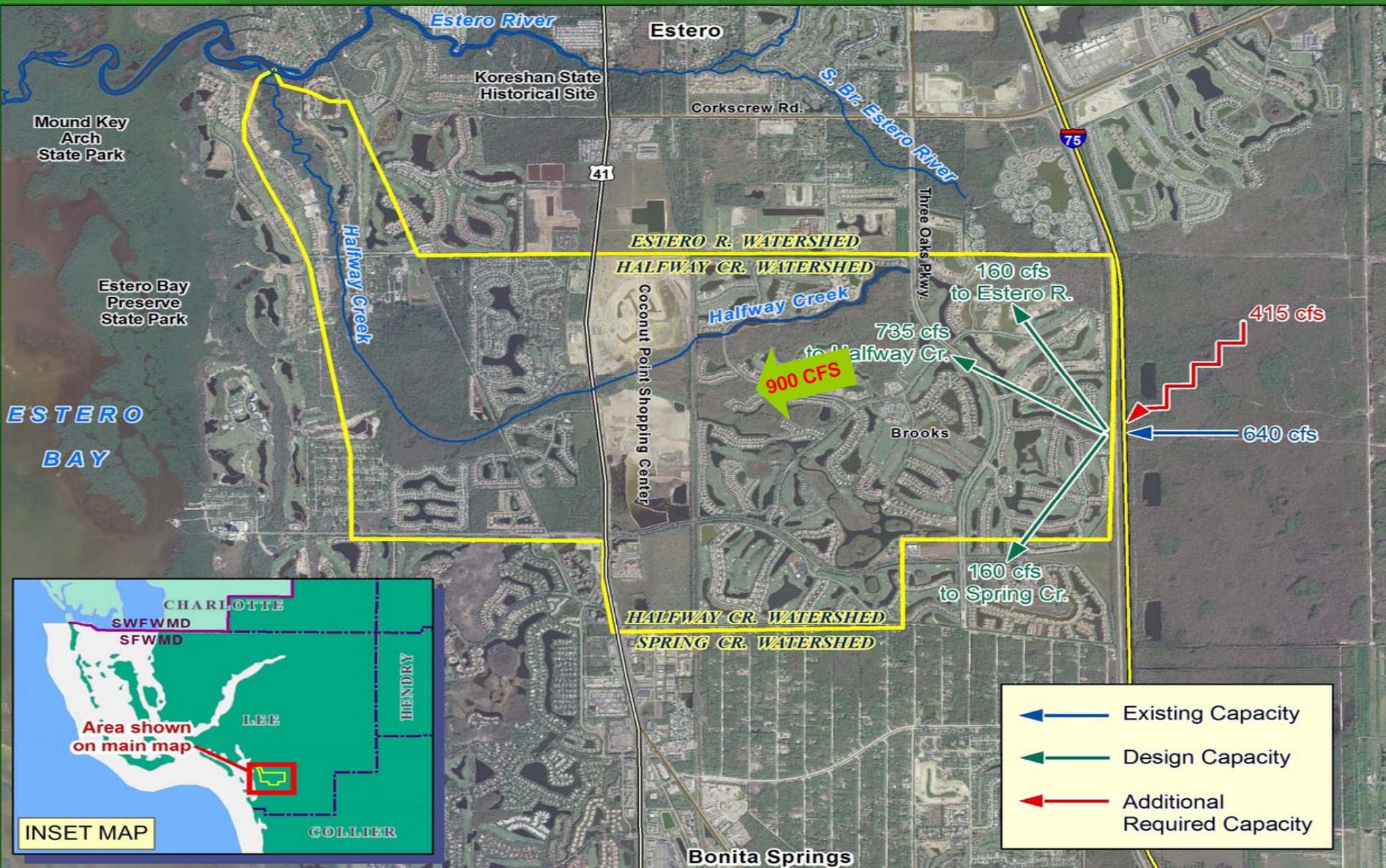


Emergency Water Control Structure



View looking North (Upstream Side)

Existing Conditions Halfway Creek Watershed



I-75 Looking South Sweet Water Ranch (The Brooks) 1995



The Brooks

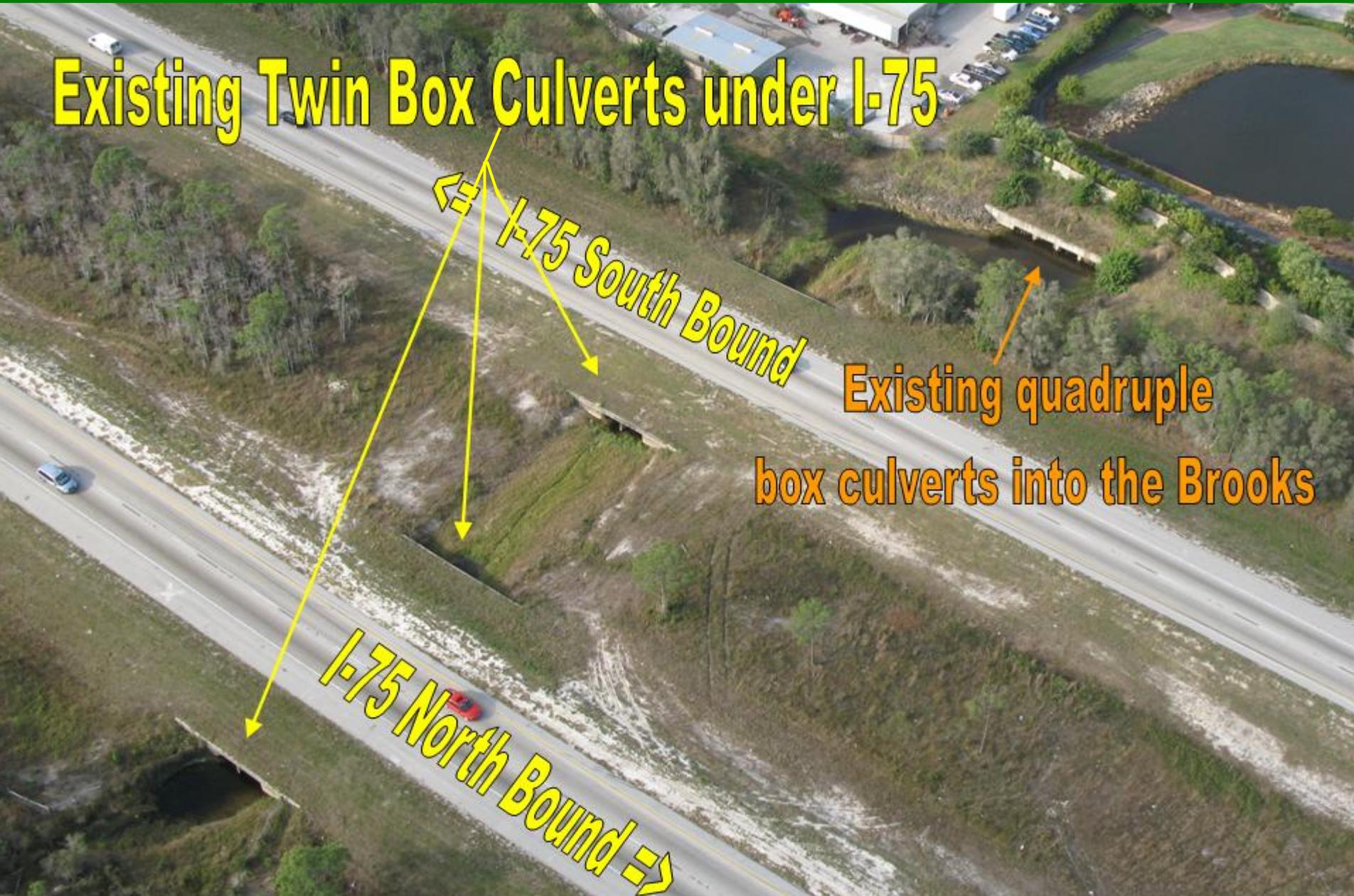
I-75 at Headwaters of the Brooks

Existing Twin Box Culverts under I-75

I-75 South Bound

I-75 North Bound

Existing quadruple box culverts into the Brooks



Proposed I-75 Conveyance:

- District staff requested FDOT to convey 415 cfs of additional flows at the headwaters of The Brooks as part of this road widening project.
- FDOT proposed installation of 5 - 60" culverts adjacent to the existing box culverts.
- District staff report (ERP) authorized construction of the 5 – 60" culverts which were to be bricked and mortared until a future study was conducted verifying the 1999 Plan.



WEST

Downstream

EAST

Upstream

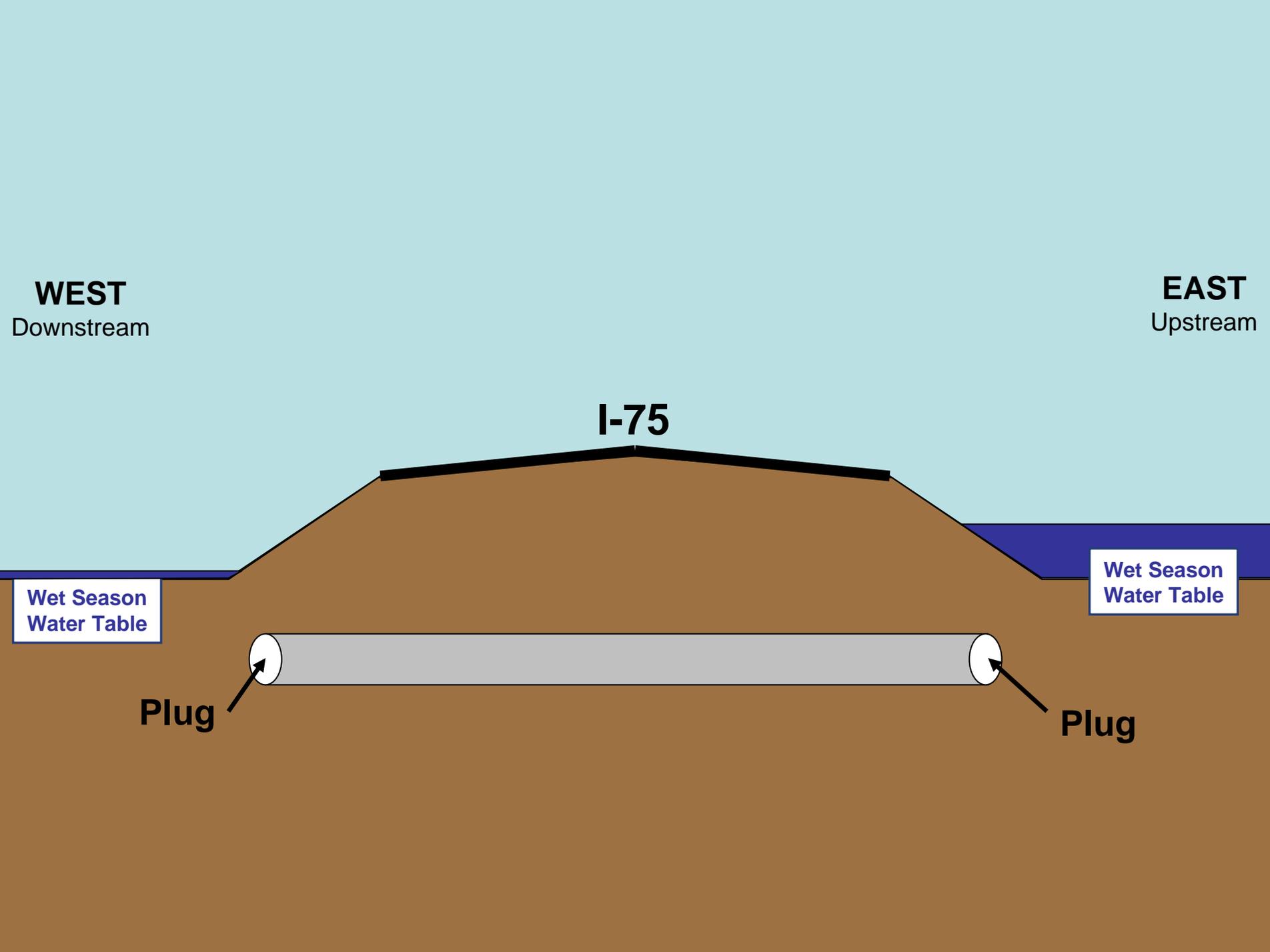
I-75

Wet Season
Water Table

Wet Season
Water Table

Plug

Plug



WEST

Downstream

EAST

Upstream

I-75

Flood Waters

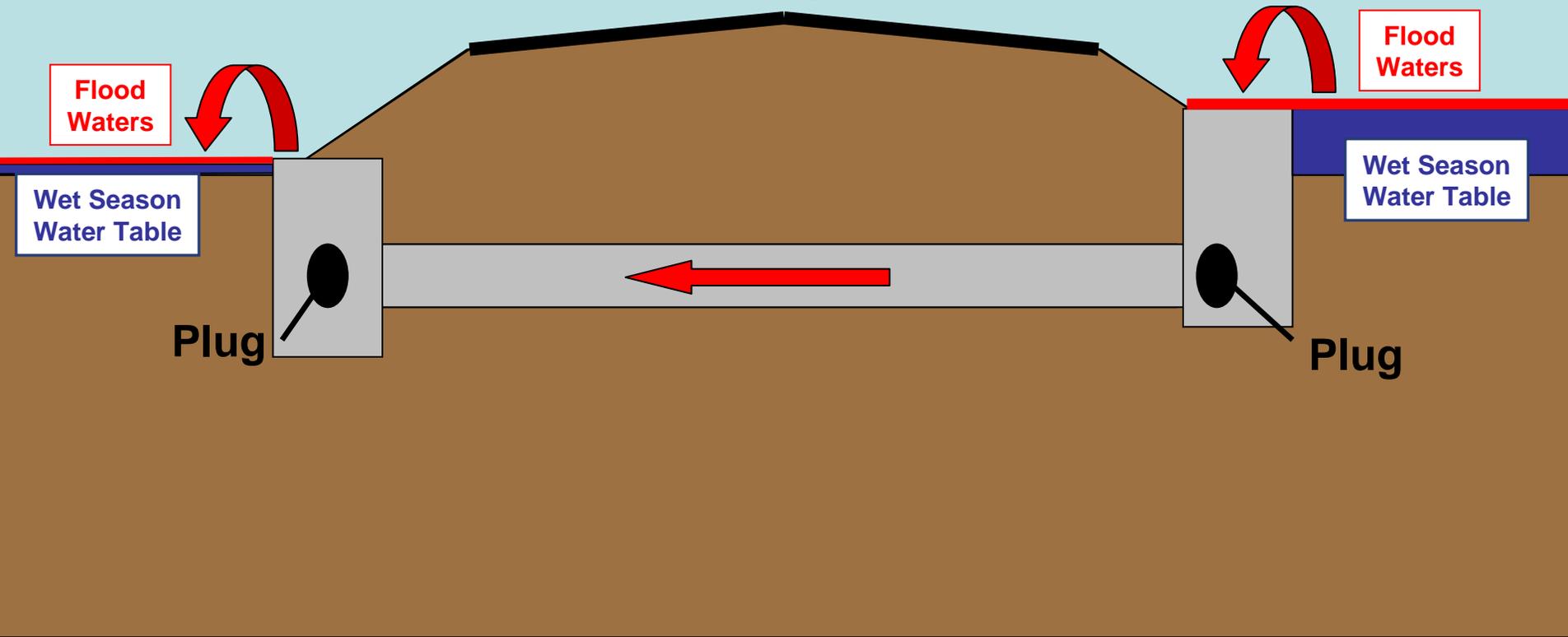
Flood Waters

Wet Season Water Table

Wet Season Water Table

Plug

Plug



SFWMD commits to the following Pursuant to Special Condition 14 to read as follows:



- 1. Undertaking a flood study with Lee County (County) to verify and validate findings and material assumptions of the South Lee County Watershed Plan (July 1999).**
- 2. Study shall be completed by the District in consultation and cooperation with the County. The District and County will enter a Joint Participation Agreement (JPA) within 60 days that will establish shared funding and mutually agreed upon goals and parameters.**

SFWMD commits to the following Pursuant to Special Condition 14 to read as follows:



- 3. The Study shall utilize best available information including incorporating relevant information from the County's Density Reduction/Groundwater Recharge (DR/GR) Study. Control elevation shall be established to avoid dewatering of upstream wetland systems east of I-75.**
- 4. The County will monitor ambient water quality conditions in Halfway Creek at US Highway 41 bridge.**

SFWMD commits to the following Pursuant to Special Condition 14 to read as follows:



- 5. The Study shall be concluded in 15 months or less, and accepted by the District and County in order to remain consistent with FDOT's construction timetable. Should the study not be completed within the 15 month timetable, the 5 – 60" RCP culverts will be constructed prior to the completion of the construction timetable and will not be operational until authorized by the Governing Board approving a modification of this permit.**

SFWMD commits to the following Pursuant to Special Condition 14 to read as follows:



- 6. The County reserves the right to establish its own review process for acceptance of the Study within the 15 month timetable.**
- 7. Once proper sizing, location, elevations (both invert and control) of the culverts, based upon the Study, and determined, FDOT is authorized to construct the 5 – 60” RCP culverts, or the number and design of the culverts as determined by the Study. However, this permit shall only constitute authorization to operate 3 of the 5 – 60” RCP culverts in an amount not to exceed 225 cubic feet per second if the Study validates and justifies this need.**

SFWMD commits to the following Pursuant to Special Condition 14 to read as follows (7-Cont'd):

If the Study validates and justifies the need to construct and operate any additional culverts, then FDOT shall apply to the District for permit modification to be authorized by the Governing Board.



Where can I find a copy of the Plan ?



Lee County Government

Southwest
Florida

Surface Water

HOME

SEARCH

CALENDARS

EVENTS

LINKS

MAPS

Whats New

- Letter to North Ft. Myers

Quick Links

Surface Water

- Home
- Mission Statement
- Disclaimer
- Drainage Atlas Map
- Capital Improvement Projects
- Publications
- Related Links
- Master Plan
- FEMA Study
- FEMA Preliminary Models
- FEMA Floodplain Shapefiles
- South Lee County Watershed Plan

South Lee County Watershed Plan 1999

Click here to Download [South Lee County Watershed Plan 1999](#).
(When asked, save file to computer)

www.lee-county.com/naturalresources/surfacewater

YOUR COMMUNITY NEWSPAPER

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Bonita Springs, FL

Vol. 37, No. 69 - September 2, 1995

SATURDAY

2 Sections, 20 pages

Forecast: More rain, more misery

Farmers weather flooding

Related story, 7A

NANCY CHRISTOPHER
Business Editor

As hundreds of Bonita Springs residents helplessly sit by waiting for rains to stop and flood waters to recede so they can get their lives back to normal, some local farmers are doing the same in hopes of retaining part of their livelihoods.

Hundreds of acres of farmland in East Bonita remain waterlogged after heavy rains from

ration in effect, health
were reluctant to bend r



Remnants of last week's storm add to floodwaters

By KARIE WOBROCK
Staff Writer

As more than 1,000 displaced flood victims wait patiently to go home, a low pressure system in the Gulf of Mexico will probably douse the already saturated Bonita Springs with even more rain over the weekend.

Forecasters say the remnants of what once was Tropical Storm Jerry could dump rains on Southwest Florida throughout the holiday weekend, and sure enough, heavy rains drenched Bonita Fri-



I help
e here
admin-
commu-
United

Staff's Recommendation:

Staff recommends the construction and operation of a surface water management system serving 408.23 acres of roadway improvements known as Interstate 75 Segment B, from the Collier/Lee County Line North to Corkscrew Road in Lee County with discharge into waters of Estero Bay via existing conveyance systems.

