

EVERGLADES WEST COAST BASIN

Meeting Overview

- Opening Remarks and Introductions
- Overview of TMDLs
- Transition from TMDL to Implementation
 - BMAP Process
 - Components of a BMAP
- Everglades West Coast Basin
 - TMDL Status
 - Potential Approaches
 - Next Steps & Schedule

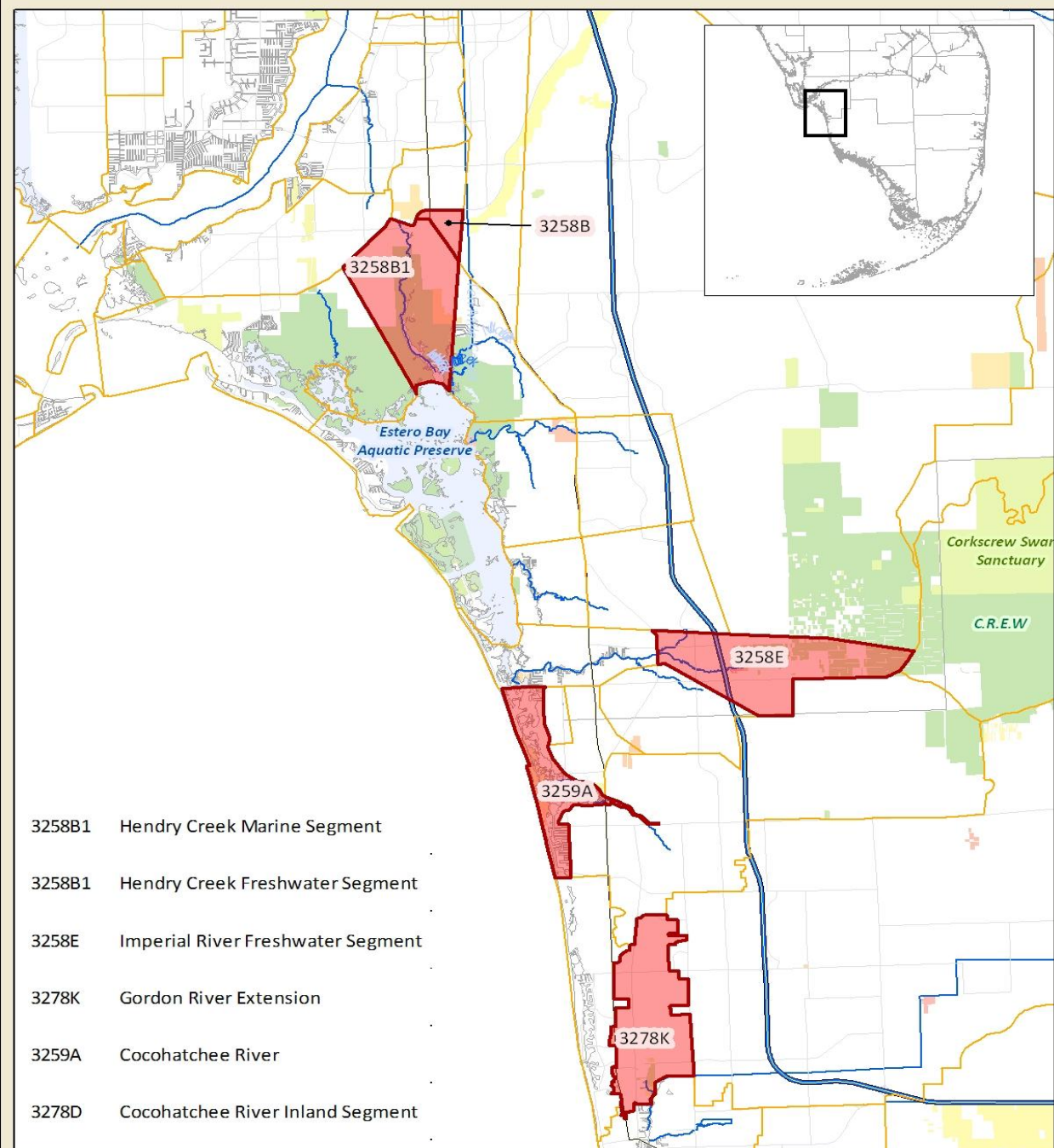
Break

- Caloosahatchee River Basin
 - TMDL Status
 - Potential Approaches
 - Next Steps & Schedule

Adopted TMDLs

- Hendry Creek (3258B)
 - D.O
- Hendry Creek Marine (3258B1)
 - DO & Fecal Coliform
- Imperial River (3258E)
 - DO
- Cocohatchee River (3259A)
 - Fecal Coliform
- Gordon River Extension (3278K)
 - DO
- Lake Trafford (3259W)
 - DO, Nutrients & Un-ionized Ammonia

EVERGLADES WEST COAST BASIN



- 3258B1 Hendry Creek Marine Segment
- 3258B1 Hendry Creek Freshwater Segment
- 3258E Imperial River Freshwater Segment
- 3278K Gordon River Extension
- 3259A Cocohatchee River
- 3278D Cocohatchee River Inland Segment



FDEP South District
Fort Myers, FL 33902
Date: 1/28/2009

0 1.5 3 6 Miles

Disclaimer: This map is intended for display purposes only. It was created using data from different sources, at different scales and levels of accuracy, and/or covering different periods of time.

Everglades West Coast TMDLs

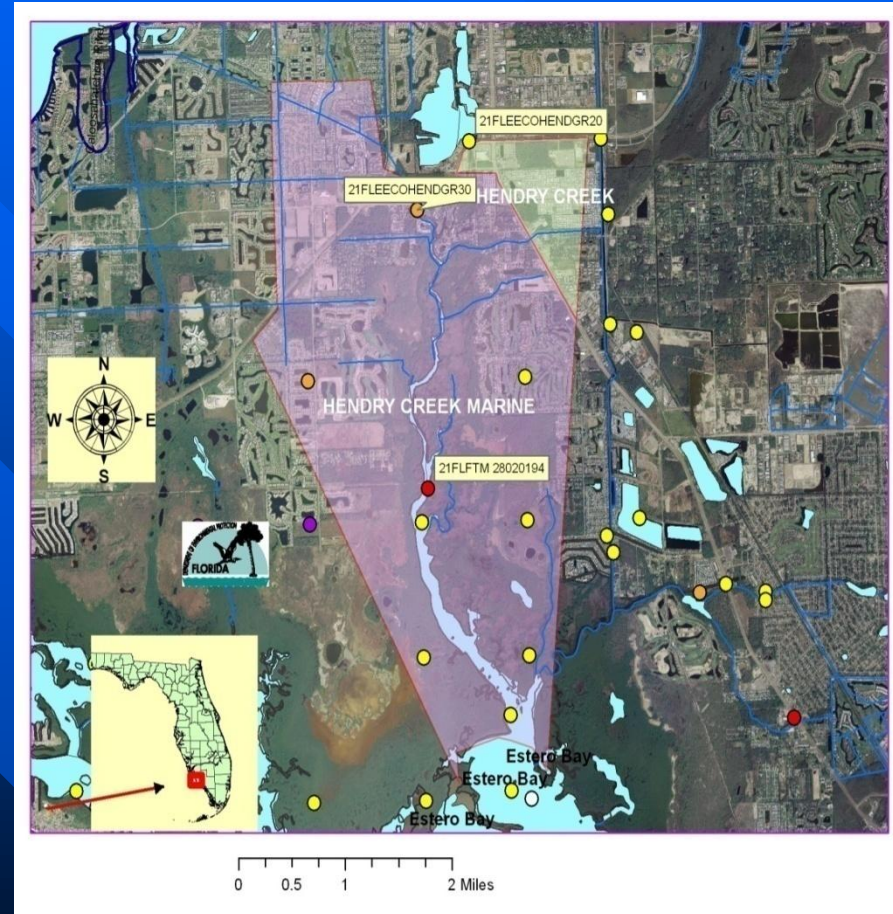
WBID 3258B1 Hendry Creek Marine

- West Central Lee County
- Approx. 6 miles long, 2.5 miles wide
- Drains to: Estero Bay
- Impairment: Fecal Coliform
- Likely Sources:
 - MS4
 - Runoff from storm events
 - Leaking or overflowing sanitary sewer lines
 - Failed septic tanks



WBID 3258B and B1 Hendry Creek

- Southwestern Lee County
- Freshwater and Marine segments
- Drainage Area: 15.35 sq.mi.
- Flows to: Estero Bay
- Impairment: DO
- Causative Pollutant: TN
- Likely Sources :
 - MS4
 - Surface Runoff
 - Failed Septic Tanks



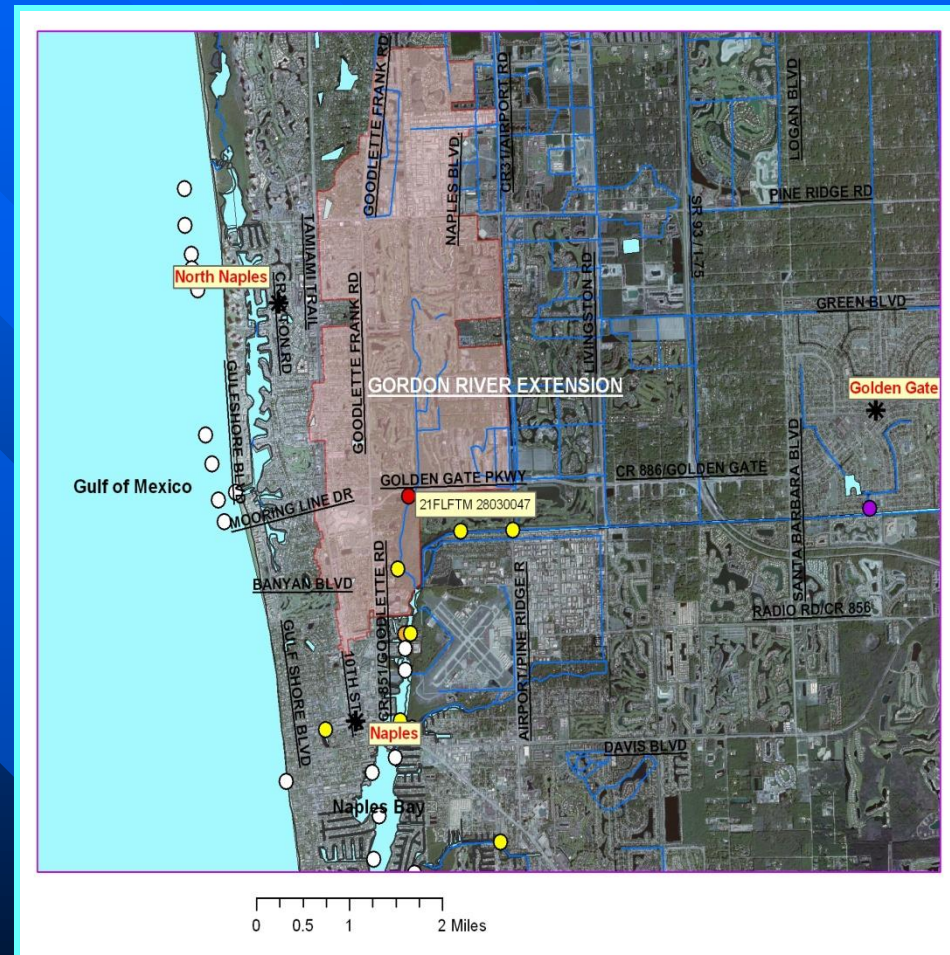
WBID 3258E Imperial River

- Lee County
- Watershed: 23.1 sq.mi.
- Flows to: Estero Bay
- Impairment: DO
- Causative Pollutants: TN
- Likely Sources :
 - Wastewater Facilities
 - MS4
 - Runoff



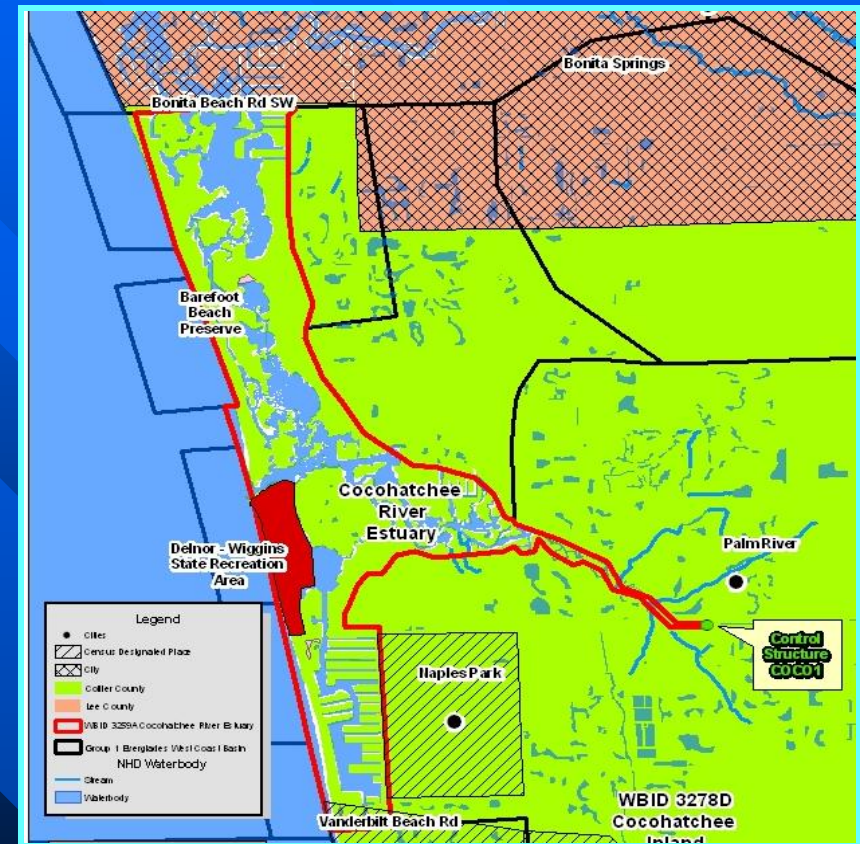
WBID 3278K Gordon River Extension

- Collier County
- Drainage Area: 8 sq. mi.
- Drains to: Naples Bay
- Impairment: DO
- Causative Pollutant: TN
- Likely Source of Pollutants:
 - MS4
 - Runoff and Erosion
 - Septic tank failure



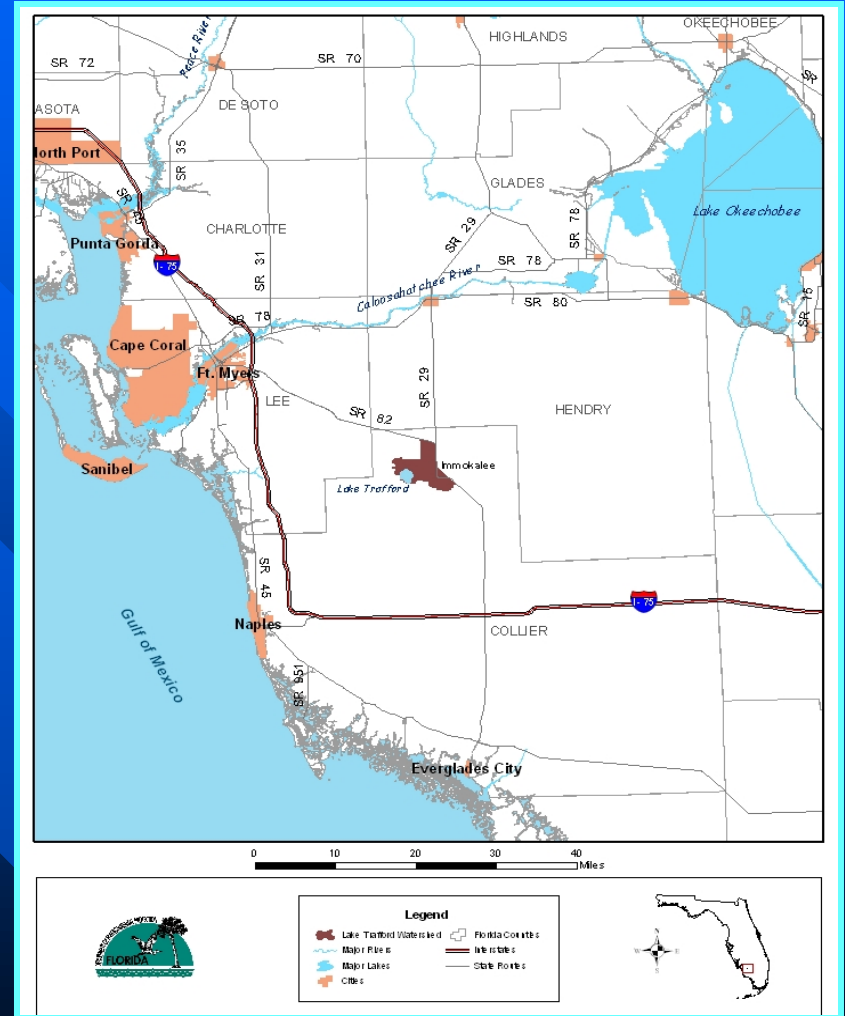
WBID 3259A Cocohatchee River Estuary

- Northwest Everglades West Coast Basin
- Drainage Area 4.82 sq. mi.
- Drains to: Cocohatchee River Estuary
- Likely Sources of Pollutants:
 - MS4
 - Runoff from storm events
 - Leaking or overflowing sewer lines
 - Failed septic tanks



WBID 3259W
Lake Trafford

- Largest Freshwater Lake Southwest of Lake "O"
- Drainage Area: 2.37 sq.mi.
- Impairments: Nutrients, Unionized Ammonia & DO
- Likely Sources:
 - Agriculture
 - Other Anthropogenic Sources



Everglades West Coast TMDL Summary

Waterbody	Impairment / TMDL Parameter	TMDL Method	% Reduction/ Targets	BMAP Consideration
Hendry Creek 3258B & 3258B1	DO	Percent reduction (regional reference)	44% (TN) / 0.74 mg/L (TN)	BMAP
Hendry Creek Marine 3258B1	Fecal Coliform	Percent Reduction	57.4% / 400 counts/100ml	BMAP
Imperial River 3258E	DO	Percent Reduction (regional reference) and WMM	24.87% (TN) / 0.74 mg/L (TN)	BMAP

Everglades West Coast TMDL Summary

Waterbody	Impairment / TMDL Parameter	TMDL Method	% Reduction/ Targets	BMAP Consideration
Cocohatchee River 3259A	Fecal Coliform	Percent Reduction	65% / 43 counts/100ml	Guidance Document
Gordon River Extension 3278K	DO	Percent Reduction (WMM?)	29% (TN) / 0.74 mg/L (TN)	Pre-BMAP Actions
Lake Trafford 3259W	Nutrients, Unionized Ammonia, DO	HSPF	60% (TN) 77% (TP) / TSI – 56 units	Evaluate Restoration and Monitoring Programs

First TWG Meeting

■ Meeting Focus

- Final Adjustment of Watershed Boundaries
- Identification of Supplemental Data Needs
- Near Term Monitoring
- Designation of BWG Members

■ Tentative Date

- Date and Time – Sept. 23rd, Oct. 27th
- Meeting Location

<ftp://ftp.dep.state.fl.us/pub/water/BMAP/EWC/>

First BWG Meeting

■ Meeting Focus

- TMDL and BMAP Process Overview
- BWG Goals and Procedures
- Sunshine Law Requirements

■ Tentative Date

- Date and Time – Dec. 9th 2009
- Meeting Location

ACTION ITEMS

- ✓ Designate Your BWG Member
- ✓ Data Collection
- ✓ Initial Identification of Existing Projects and Management Actions
- ✓ Identify Potential New Projects and Management Actions

15 MINUTE BREAK
(At Long Last!)