



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

October 13, 2022

9:00 AM

via Communications Media Technology

www.SFWMD.gov

Zoom Registration Link: <https://sfwmd.link/3QDIdgJ>

FINAL

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Agenda Revisions
4. Agenda Item Abstentions by Board Members
5. Consider Approval of the Minutes for the September 8, 2022 Monthly Meeting and Tentative Ad Valorem Millage Rates, Non Advalorem Tax Rolls and Tentative Budget Public Hearing, and the September 20, 2022 Fiscal Year 2022-2023 Final Millage Rates and Final Budget Public Hearing

Technical Reports

6. Hurricane Ian Initial Report - John P. Mitnik

Discussion Agenda

7. C-23 Estuary Discharge Diversion Project, Martin County (Staff contact, Alan Shirkey)

Agenda Item Background:

As part of the Comprehensive Everglades Restoration Plan - Indian River Lagoon South program, the C-23 Estuary Discharge Diversion Project will include the

construction of approximately 6.85 miles of canal, a 250 cubic feet per second Pump Station located on the C-23 Canal, two culvert crossings beneath CR-714 Martin Highway and Coca Cola Road, a Stormwater Treatment Area (STA) access service bridge, and a discharge spillway into the C-44 Reservoir Western Perimeter Canal. This project will assist with the reduction of harmful discharges to the St. Lucie Estuary by routing excess water from the C-23 Canal away from the South Fork of the St. Lucie River to the C-44 Reservoir and STA.

The C-23 Estuary Discharge Diversion Project is also identified as a predecessor to the Central Everglades Planning Project (CEPP). As referenced in the CEPP Project Implementation Report, this project will help replenish Lake Okeechobee via the C-44 Canal by replacing water that has been transferred from Lake Okeechobee to Water Conservation Area 3A.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process.

Recommended Action:

Resolution No. 2022 - 1001 Authorize entering into an 848-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder, for the construction of the C-23 Estuary Discharge Diversion Project, in the amount of \$46,227,152 of which \$18,200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004680)

[Resolution No. 2022-1001](#)

[Backup Document](#)

8. General Public Comment

9. Adjourn

Presentation for Agenda items 06 and 07.

Agenda Item Background:

[06 Mitnik Hurricane Ian Initial Report](#)

[07 Shirkey C-23 Estuary Discharge Diversion Project](#)

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 13, 2022

SUBJECT: C-23 Estuary Discharge Diversion Project, Martin County

Agenda Item Background:

As part of the Comprehensive Everglades Restoration Plan - Indian River Lagoon South program, the C-23 Estuary Discharge Diversion Project will include the construction of approximately 6.85 miles of canal, a 250 cubic feet per second Pump Station located on the C-23 Canal, two culvert crossings beneath CR-714 Martin Highway and Coca Cola Road, a Stormwater Treatment Area (STA) access service bridge, and a discharge spillway into the C-44 Reservoir Western Perimeter Canal. This project will assist with the reduction of harmful discharges to the St. Lucie Estuary by routing excess water from the C-23 Canal away from the South Fork of the St. Lucie River to the C-44 Reservoir and STA.

The C-23 Estuary Discharge Diversion Project is also identified as a predecessor to the Central Everglades Planning Project (CEPP). As referenced in the CEPP Project Implementation Report, this project will help replenish Lake Okeechobee via the C-44 Canal by replacing water that has been transferred from Lake Okeechobee to Water Conservation Area 3A.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process.

Core Mission and Strategic Priorities:

Core Mission and Strategic Priorities:

This project supports the core mission of ecosystem restoration by providing environmental benefits to the St. Lucie Estuary.

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution No. 2022-1001](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 10XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an 848-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder, for the construction of the C-23 Estuary Discharge Diversion Project, in the amount of \$46,227,152 of which \$18,200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 4600004680)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into an 848-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder for the construction of the C-23 Estuary Discharge Diversion Project, in the amount of \$46,227,152.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into an 848-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder, for the construction of the C-23 Estuary Discharge Diversion Project, in the amount of \$46,227,152 of which \$18,200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets.

Section 4. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** this 13th day of October, 2022.



SOUTH FLORIDA WATER MANAGEMENT DISTRICT NOTICE OF INTENT TO AWARD

RFB No.: 6000001363	Title: INDIAN RIVER LAGOON SOUTH C-23 CANAL TO C-44 RESERVOIR C-457 INTERCONNECT CANAL, MARTIN COUNTY
SBE Subcontracting Goal: 25%	Opening Date: 9/26/2022
Total Bids Received: 2	Advertised Date: 8/25/2022
Bids Received from SBEs: 0	Advertisement: Stuart News
Total Number of Planholders: 57	
Total SBE Planholders: 17	
Contract Specialist: Jason Bezak	
Project Manager: Addison Griesbaum	

<u>BIDDERS</u>	<u>BID AMOUNT</u>
HARRY PEPPER & ASSOCIATES	46,227,152.00
KIEWITT INFRASTRUCTURE SOUTH	58,413,033.50

The bid amounts indicated above are as submitted at the bid opening and are subject to verification. Award of the contracts to the lowest bidder is subject to the District's determination that the bid is responsive and that the bidder is responsible as indicated by the signatures below.

Approvals required in numerical order. Signatures must be dated.

Project Manager - Attach detailed justification that recommended bidder is responsive and responsible.	1.		<i>Date</i>
Recommendation for award to low bidder? <input type="checkbox"/> Yes <input type="checkbox"/> No	2.		<i>Date</i>
If no, recommend award to: _____	3.		<i>Date</i>
Basis of recommendation: _____ _____ _____	4.		<i>Date</i>
Governing Board approval of award or contract required? <input type="checkbox"/> Yes <input type="checkbox"/> No	5.		<i>Date</i>
	6.		<i>Date</i>
	7.		<i>Date</i>
	8.		<i>Date</i>

NOTE: This form shall serve as the District's Notice of a decision or intended decision as defined in Section 120.57(3)(a) Florida Statutes and Chapter 28-110, Florida Administrative Code. Failure to file a protest within the time prescribed in Section 120.57(3), Florida Statutes or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes. Any protest or bond or other security must be filed with the District Clerk.

Posting Date: _____
Posting Time: _____
Initials: _____

MEMORANDUM

TO: Governing Board Members
FROM: , Ecosystem Restoration & Capital Projects
DATE: October 13, 2022
SUBJECT: Presentation for Agenda items 06 and 07.

Agenda Item Background:

Staff Contact and/or Presenter:

ATTACHMENTS:

[06 Mitnik Hurricane Ian Initial Report](#)

[07 Shirkey C-23 Estuary Discharge Diversion Project](#)



Hurricane Ian: Response to Date

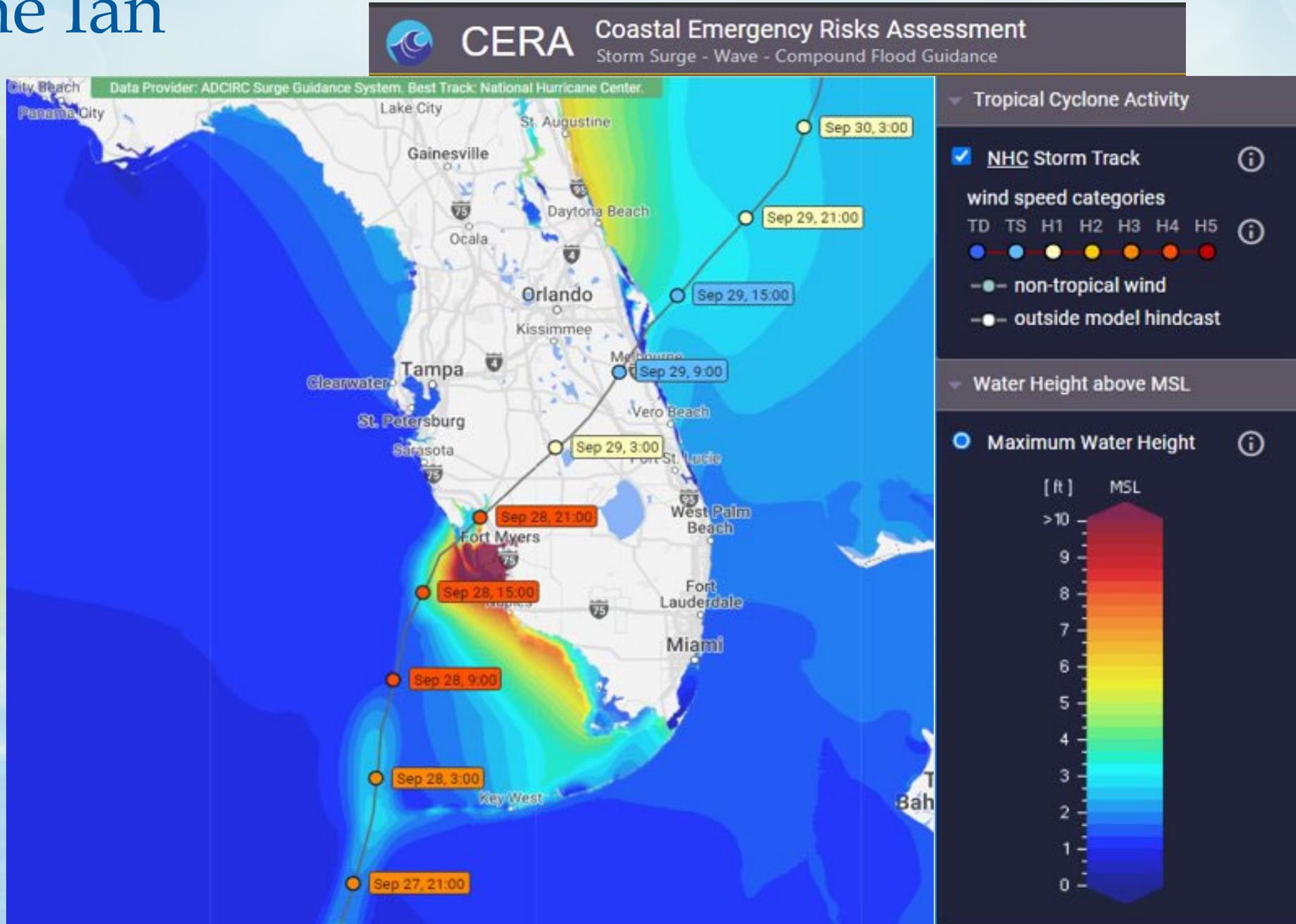


John Mitnik
Chief District Engineer
Assistant Executive Director

**South Florida Water Management District
October 13, 2022 - Governing Board Meeting**

Hurricane Ian

Maximum
Water Height
are Hindcast
Values



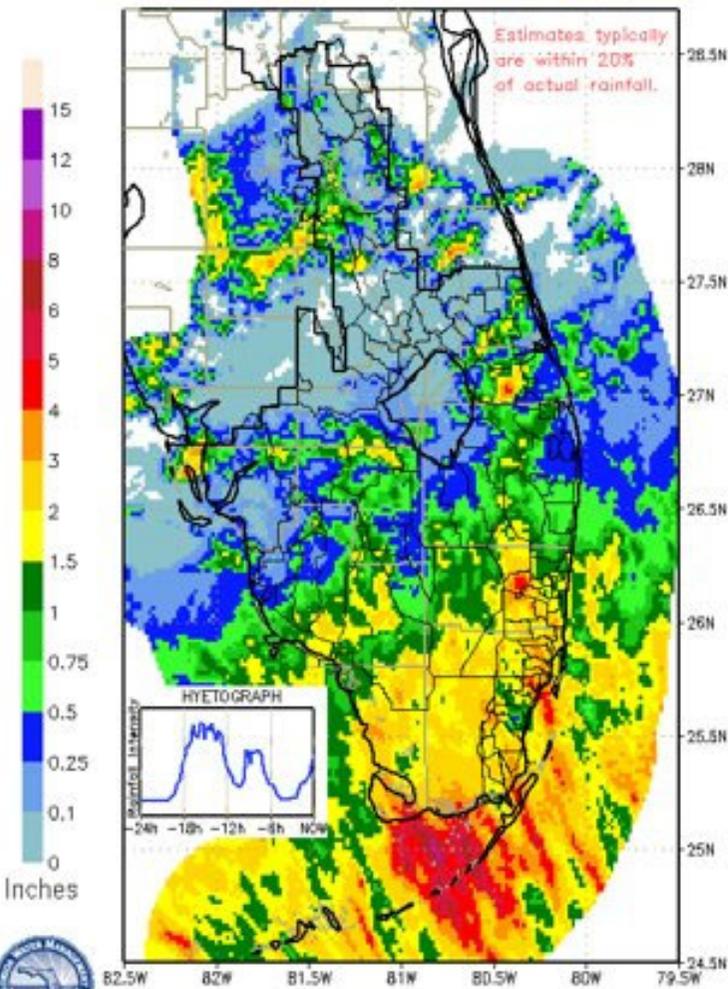
Hurricane Ian Preparations and Mobilization



Hurricane Ian Rainfall Day-by-Day

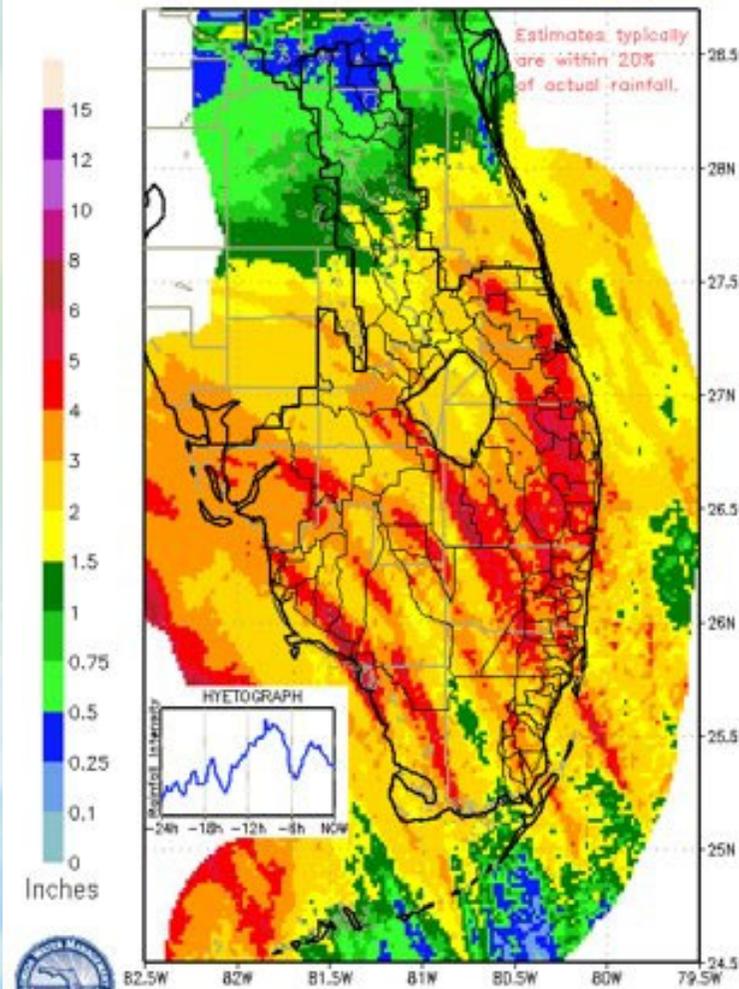
Maxima 14.83", East Lake Toho

SFWM PROVISIONAL RAINDAR 24-HOUR RAINFALL ESTIMATES
FROM: 0630 EST. 09/26/2022 THROUGH: 0630 EST. 09/27/2022



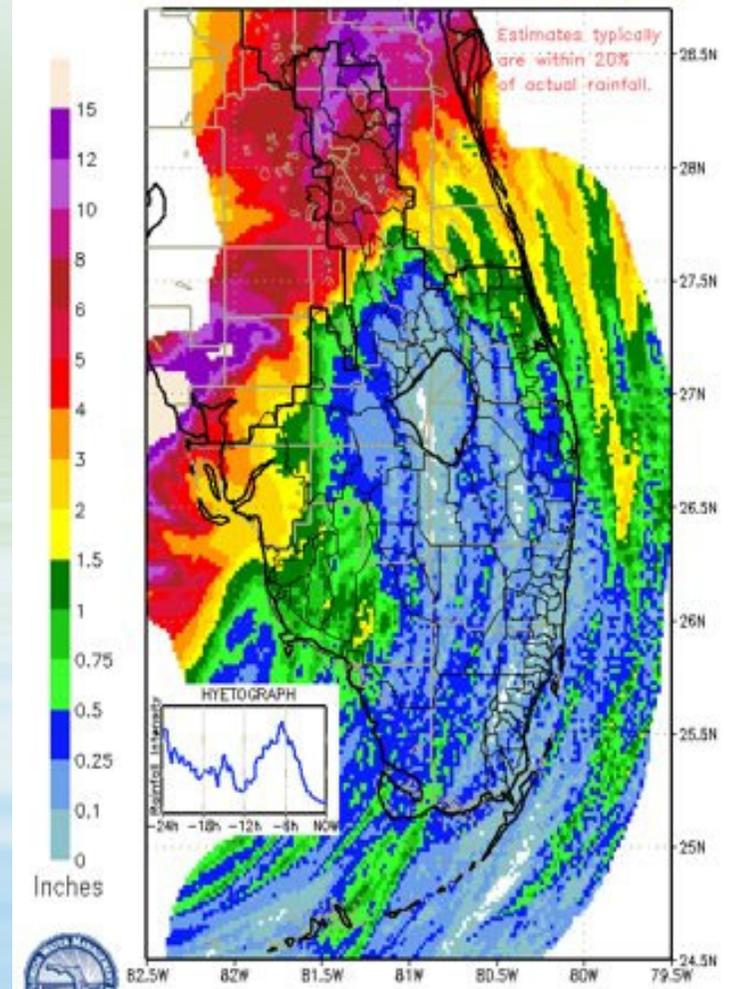
Monday

SFWM PROVISIONAL RAINDAR 24-HOUR RAINFALL ESTIMATES
FROM: 0615 EST. 09/27/2022 THROUGH: 0615 EST. 09/28/2022



Tuesday

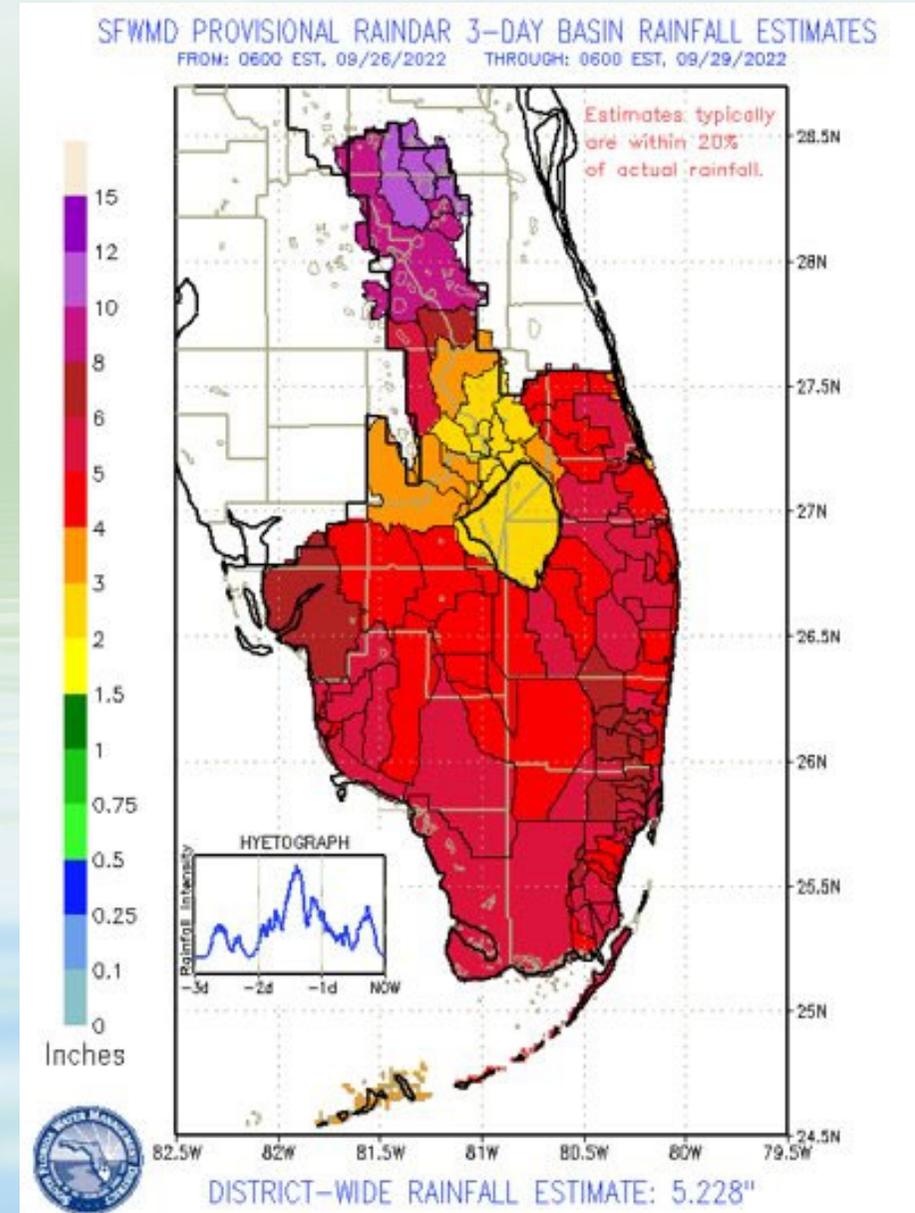
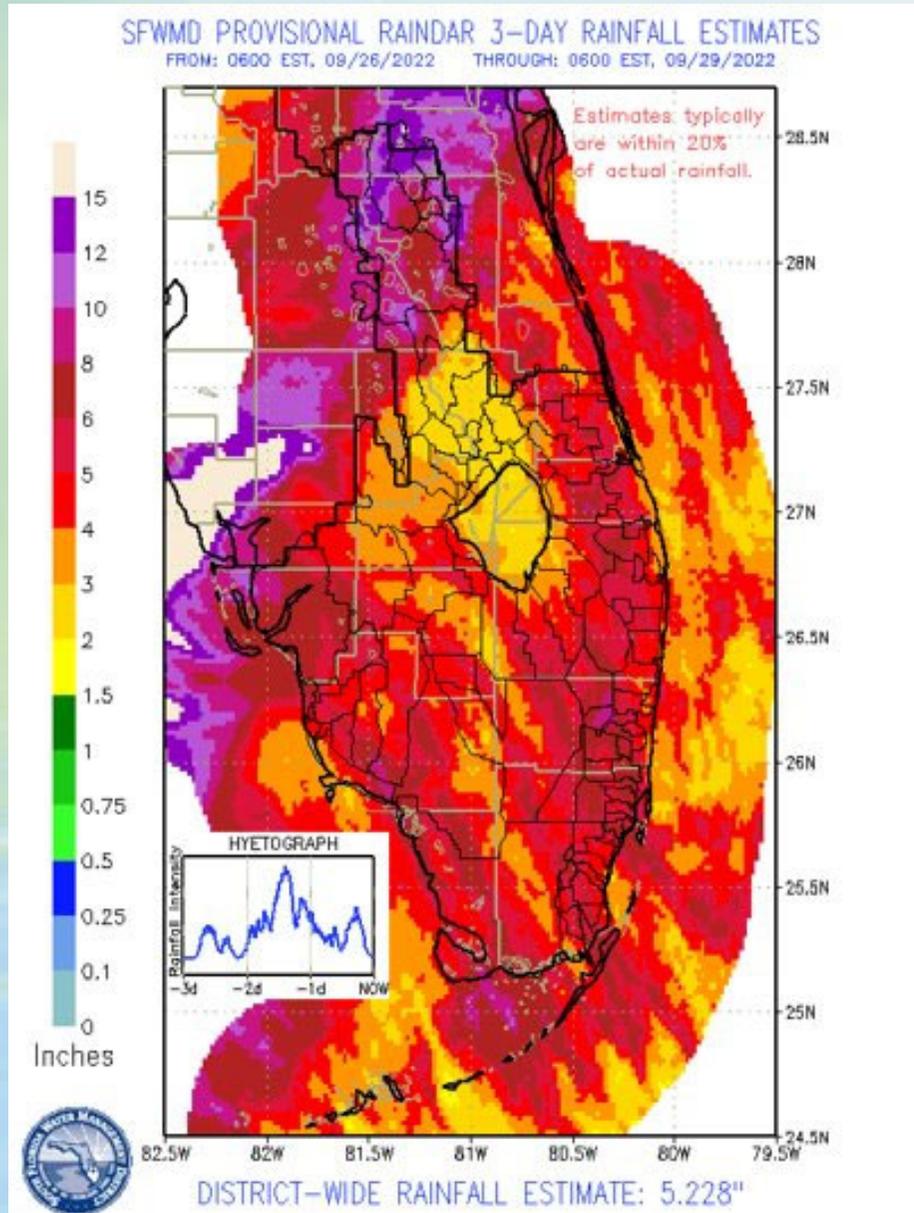
SFWM PROVISIONAL RAINDAR 24-HOUR RAINFALL ESTIMATES
FROM: 0600 EST. 09/28/2022 THROUGH: 0600 EST. 09/29/2022



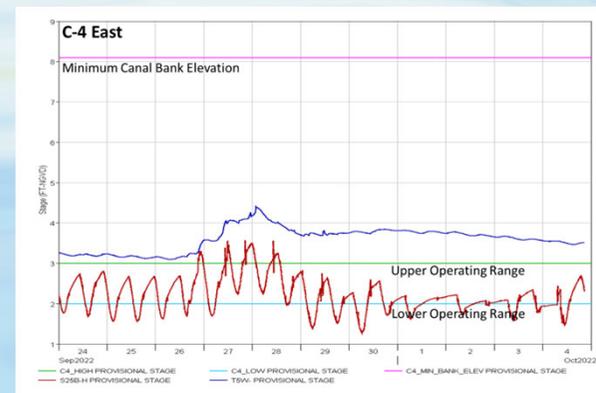
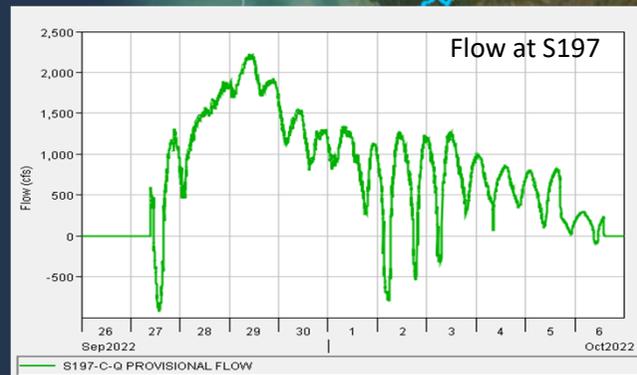
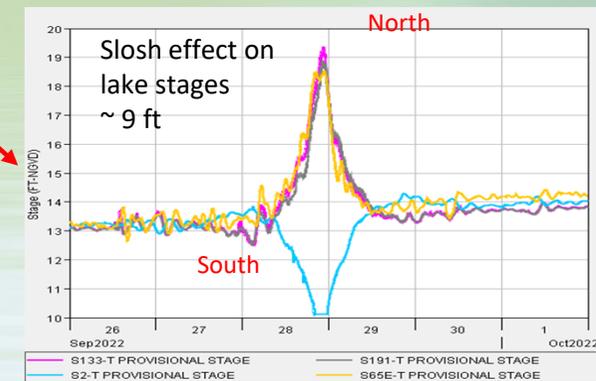
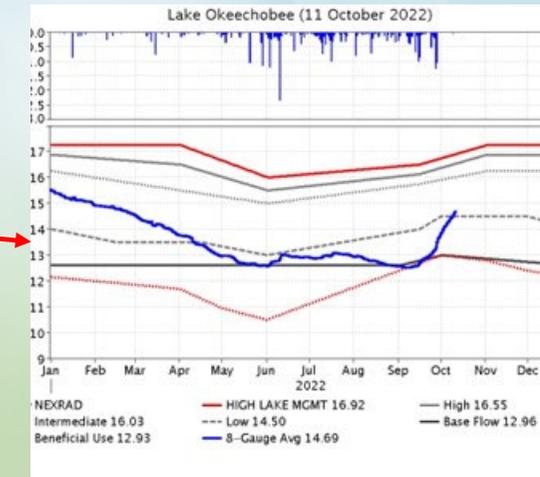
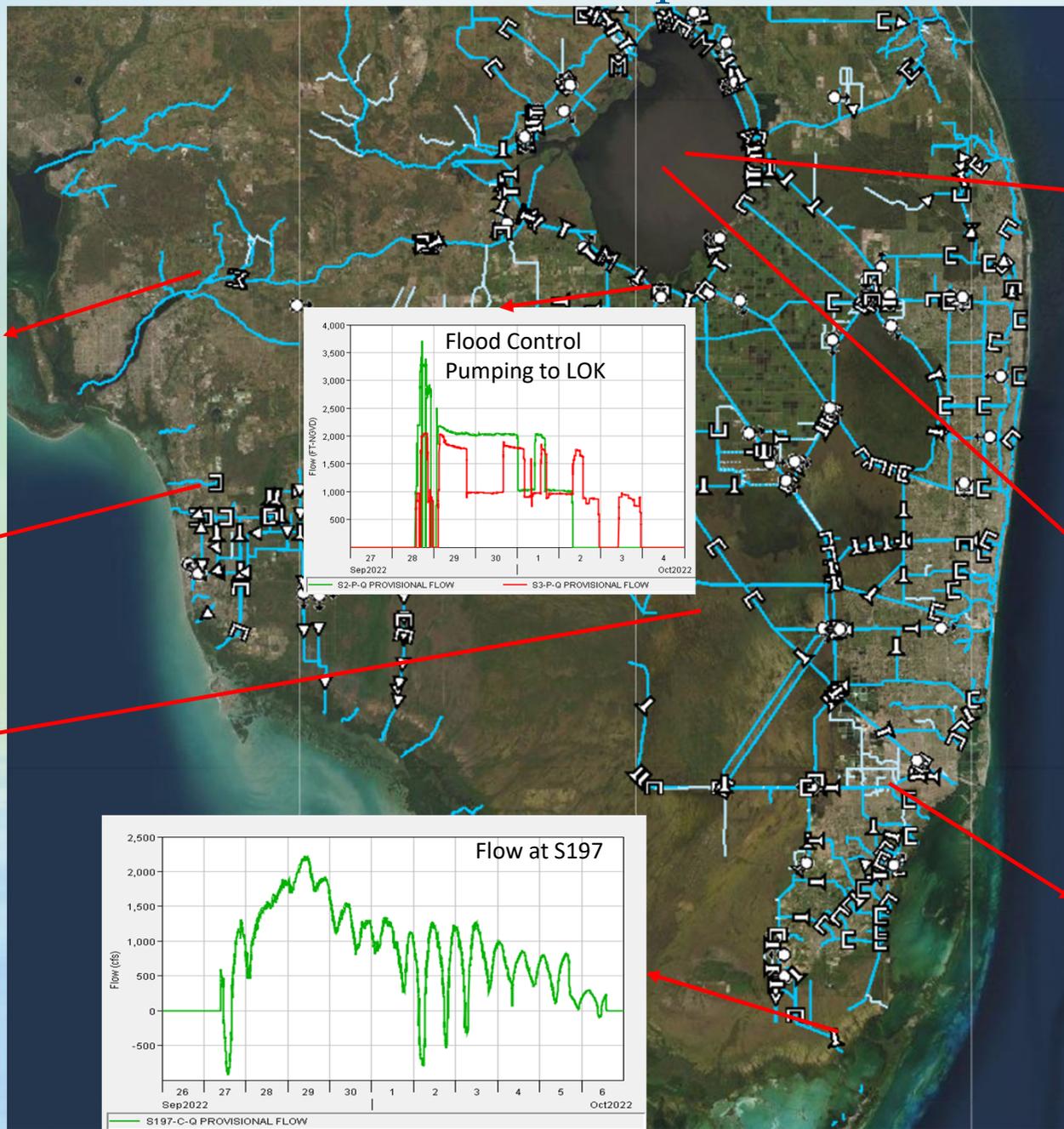
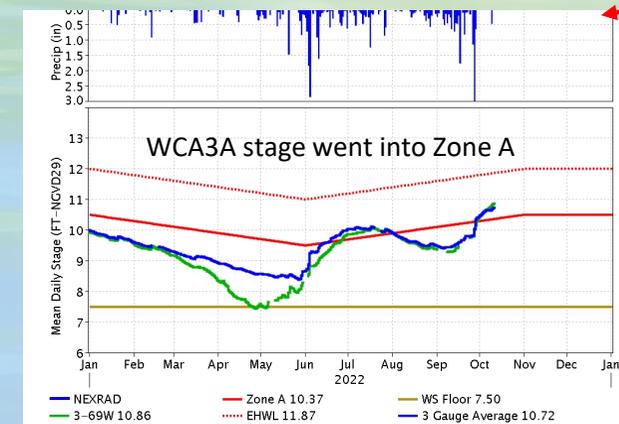
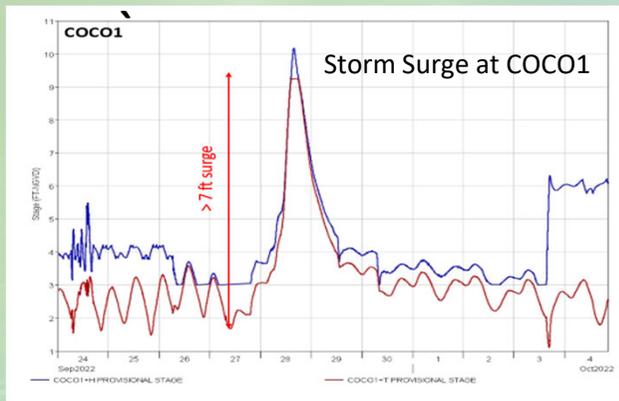
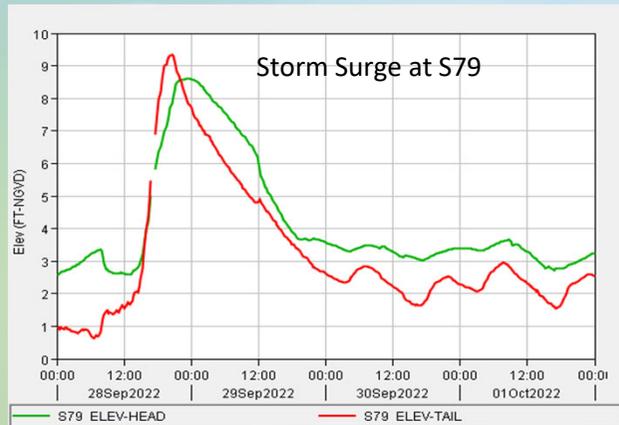
Wednesday



Hurricane Ian Total Rainfall Sep. 26-29, 2022



South Areas Impacted



Recovery in the Big Cypress Basin

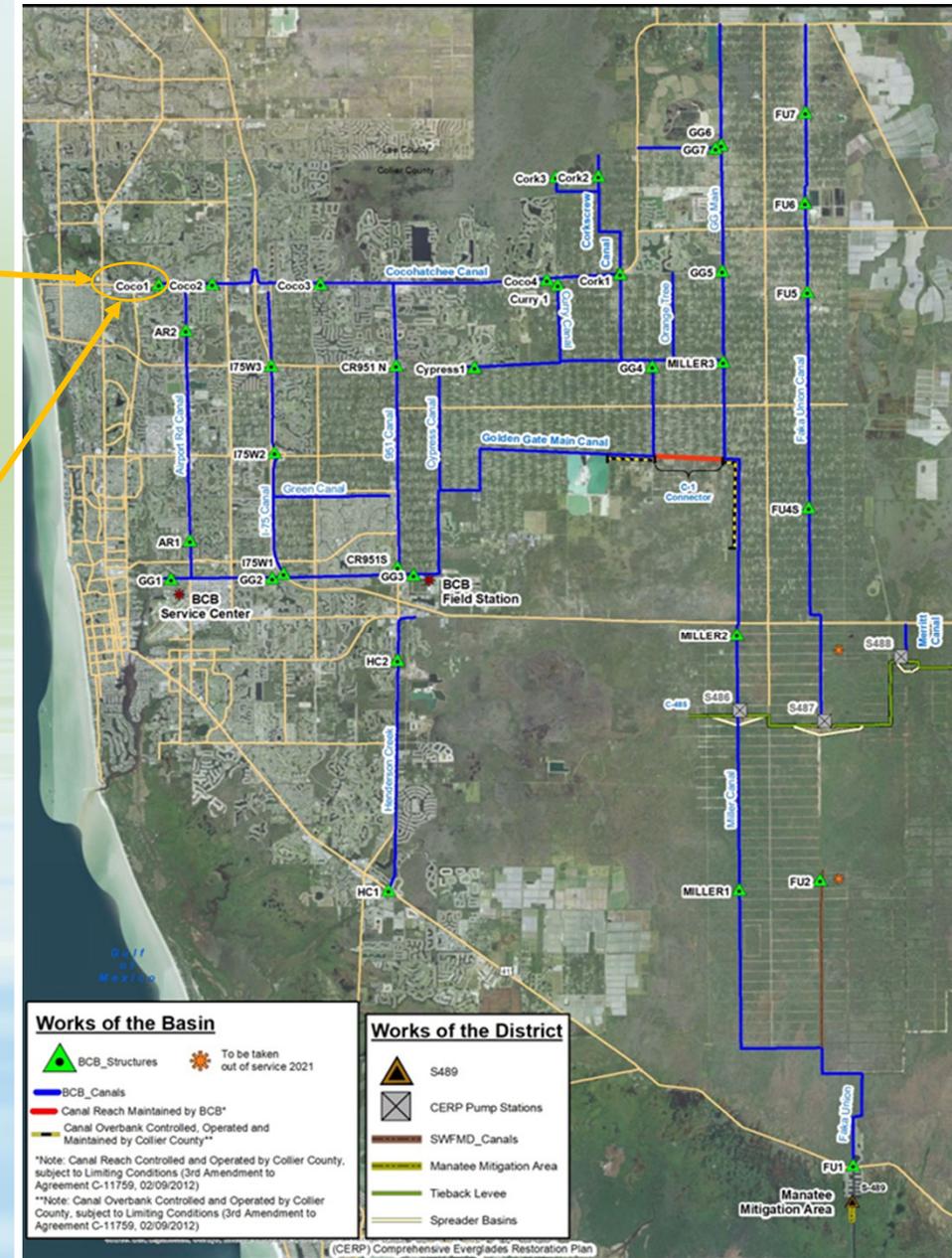
- All primary canal structures drawn down pre-storm to well below normal operational levels.
- Interior BCB system responded well to storm event with no major issues and peaked below top of bank.
- Coastal structures were affected by storm surge during 12-hour period.
- Fully recovered to normal conditions by end of Sunday. (10/2/2022)



COCO1 - Pre-Storm Drawdown

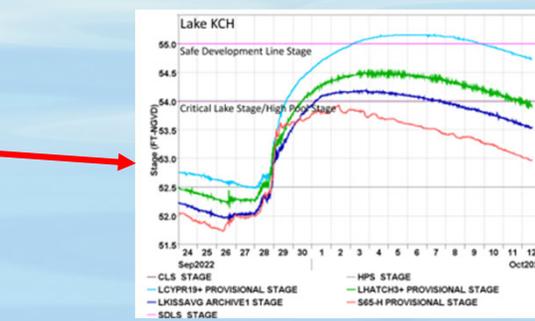
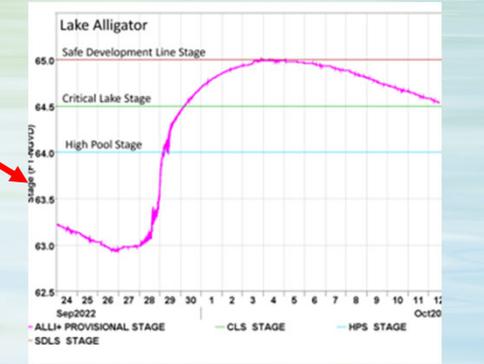
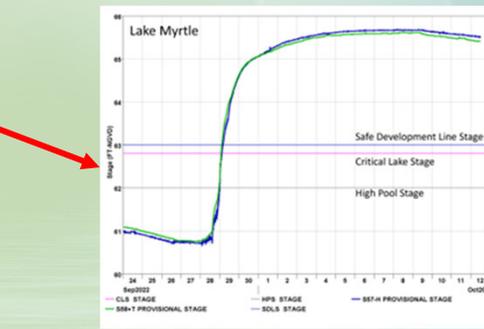
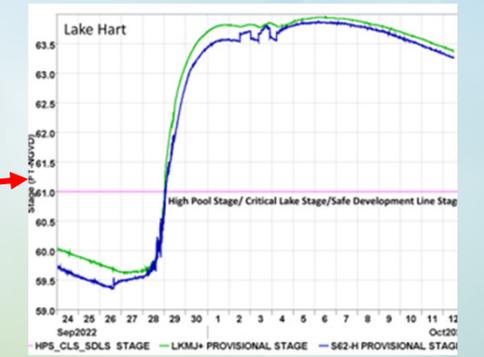
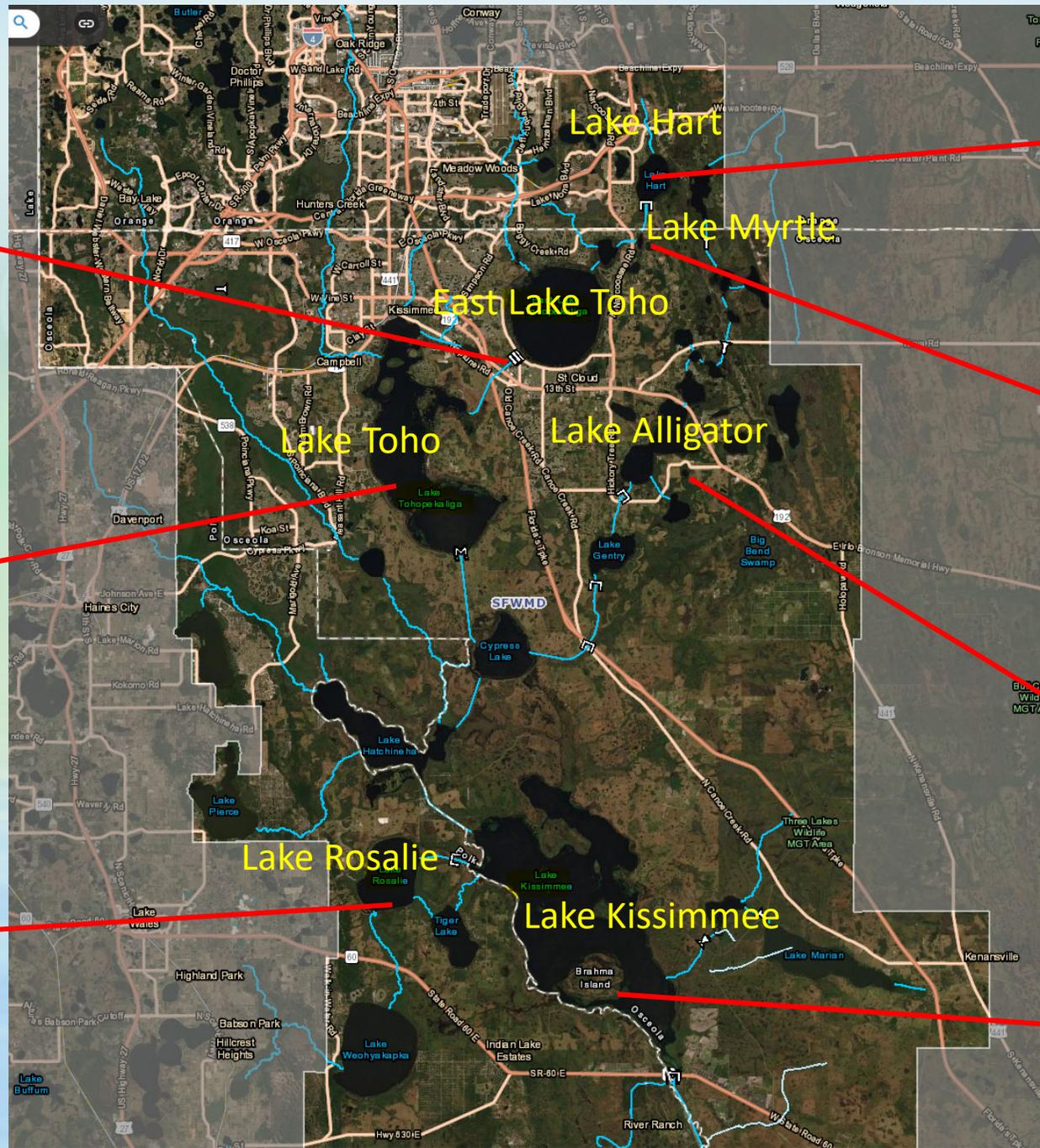
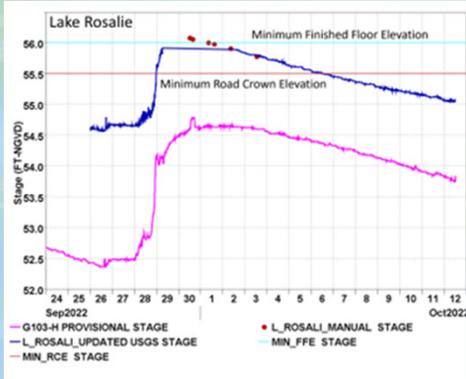
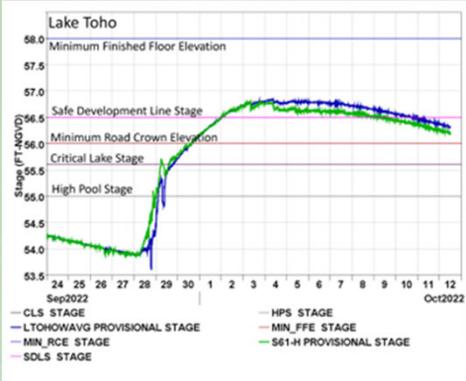
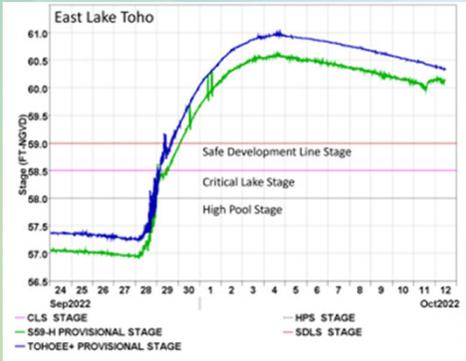


COCO1 - Water Levels Recovered - Sept 29



Debris Removal in Lee County

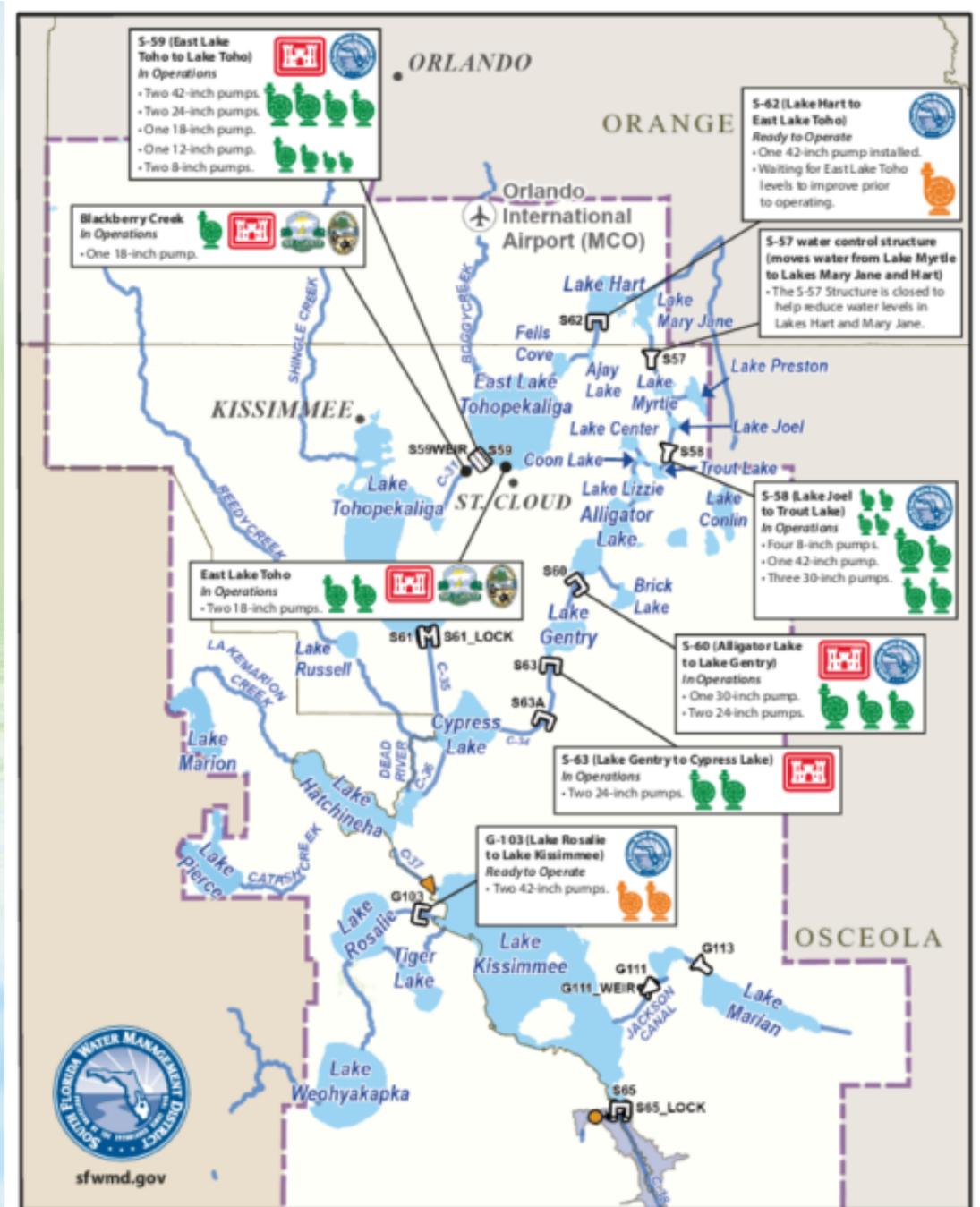




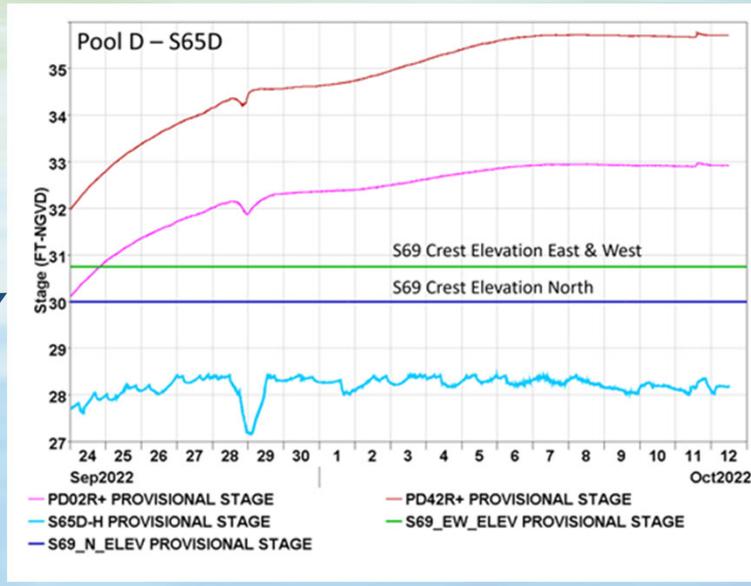
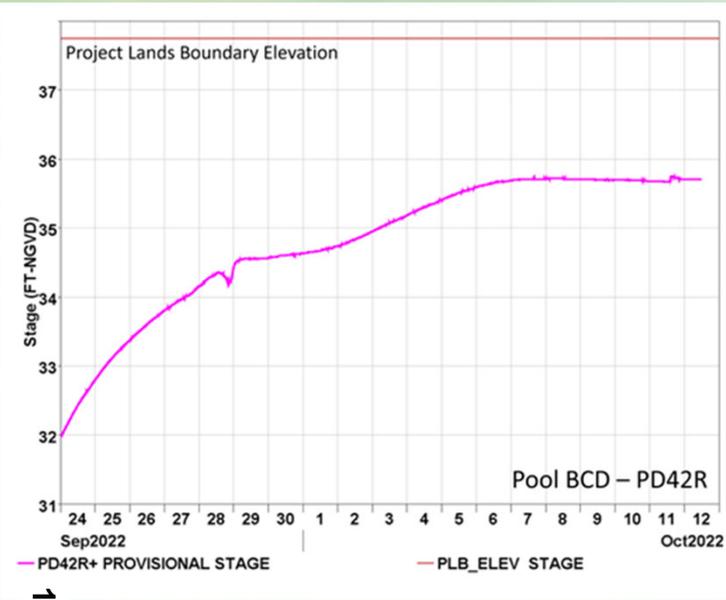
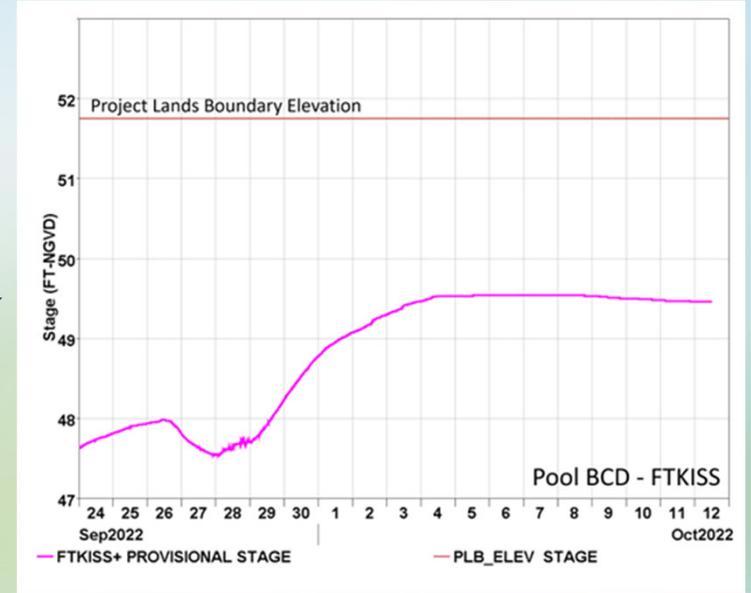
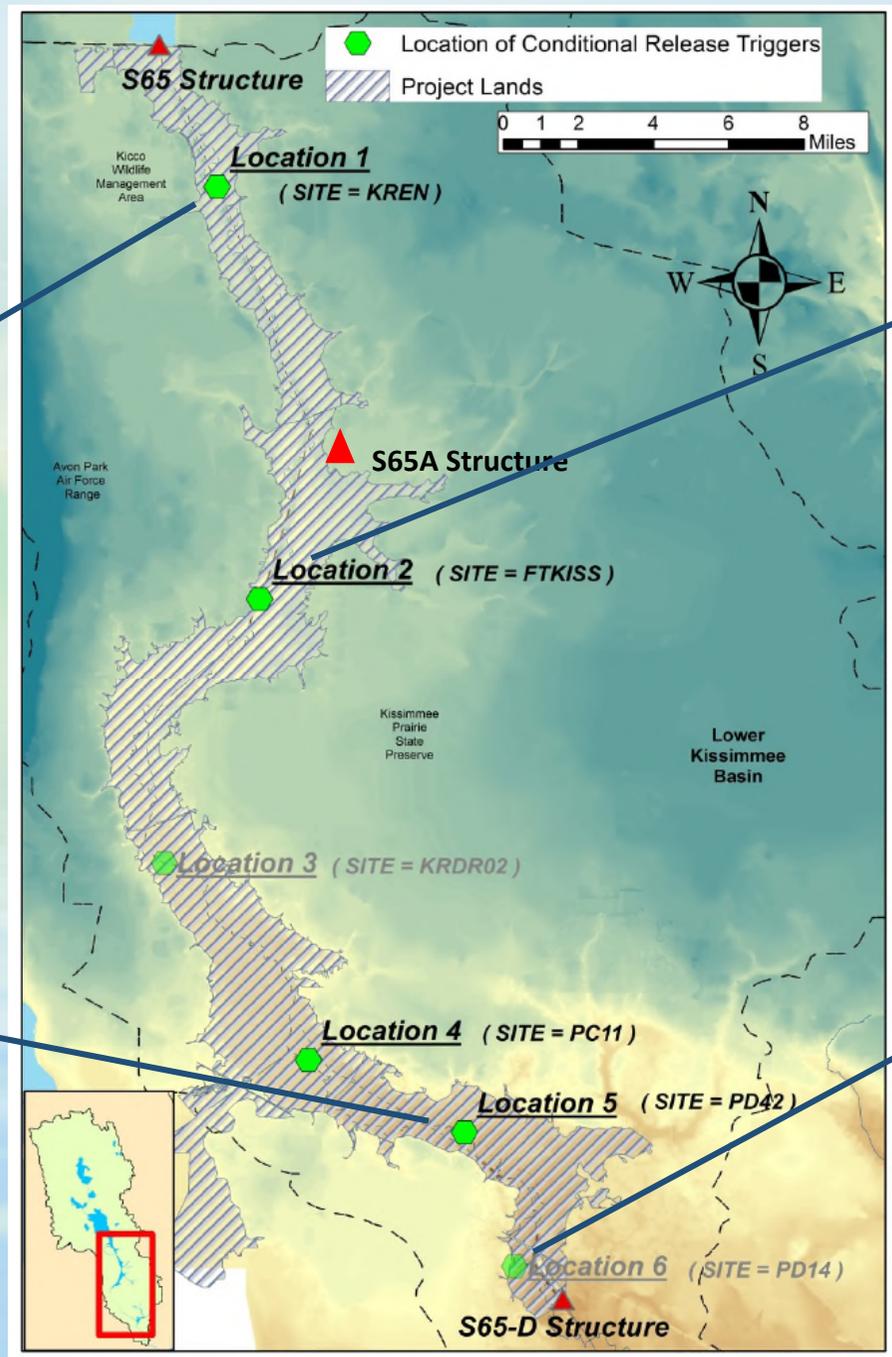
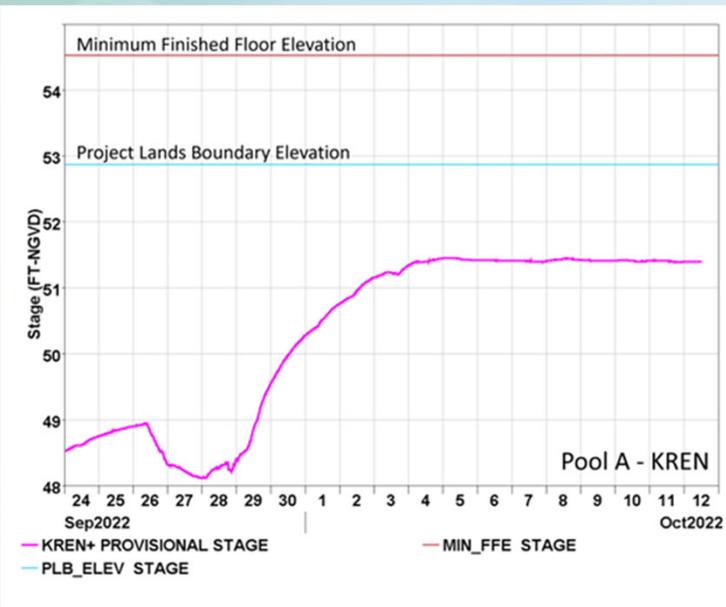
Taking Action to Reduce Water Levels in Local Communities



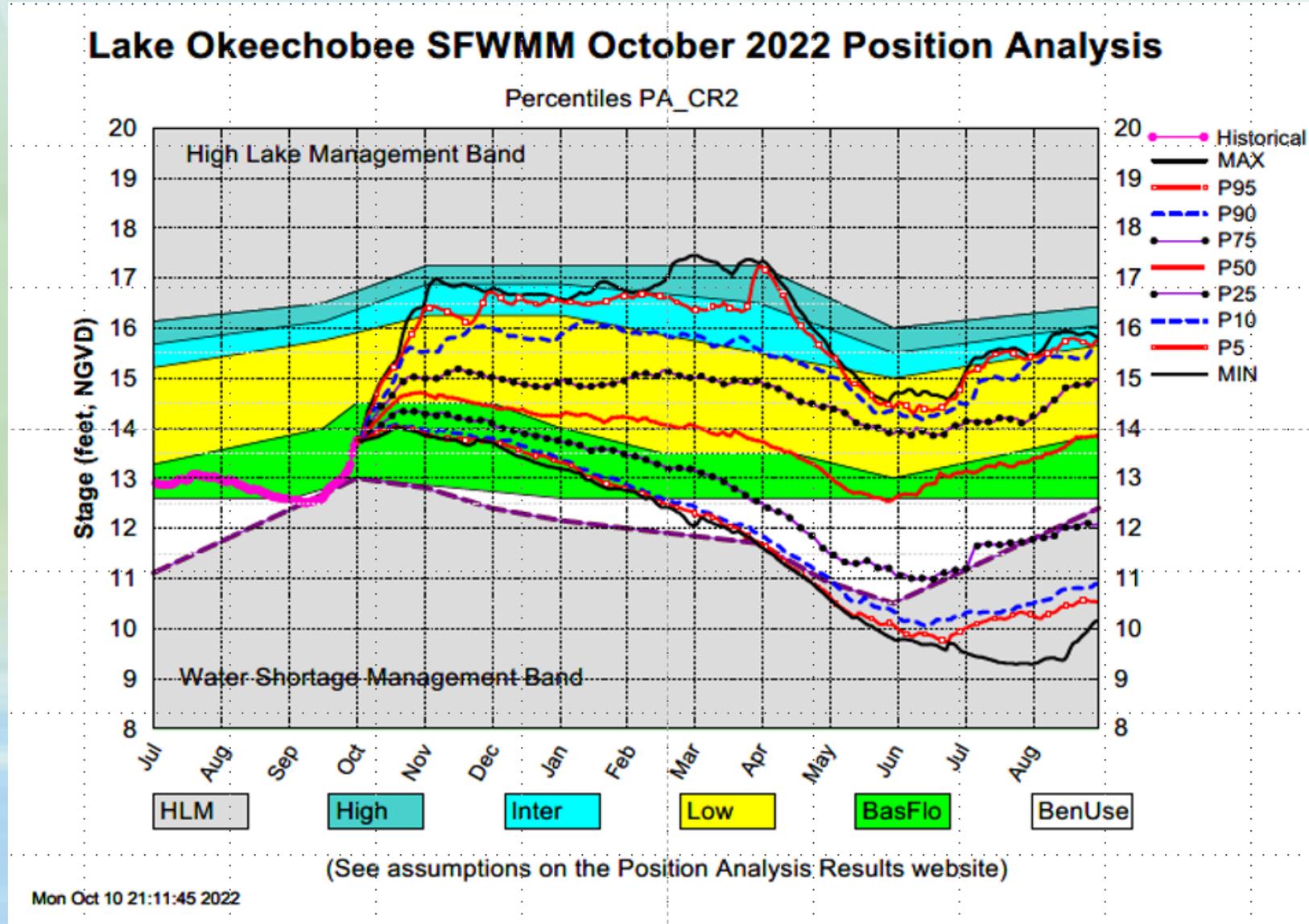
Temporary Pumps in The Upper Kissimmee Chain of Lakes



One 42", Three 30" and Four 8" Pumps at S-58



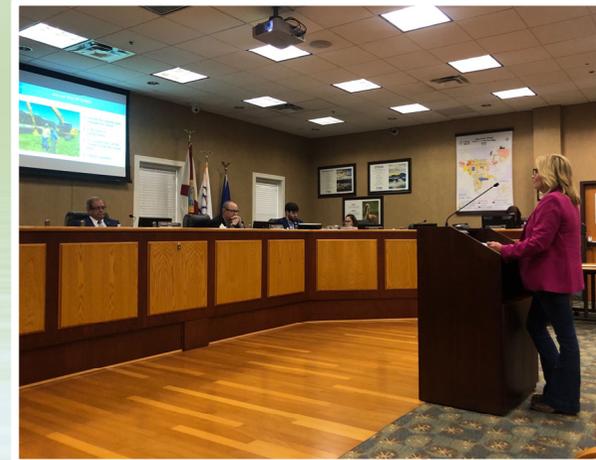
Lake Okeechobee



Crews Working Night and Day to Respond



Keeping the Public Informed

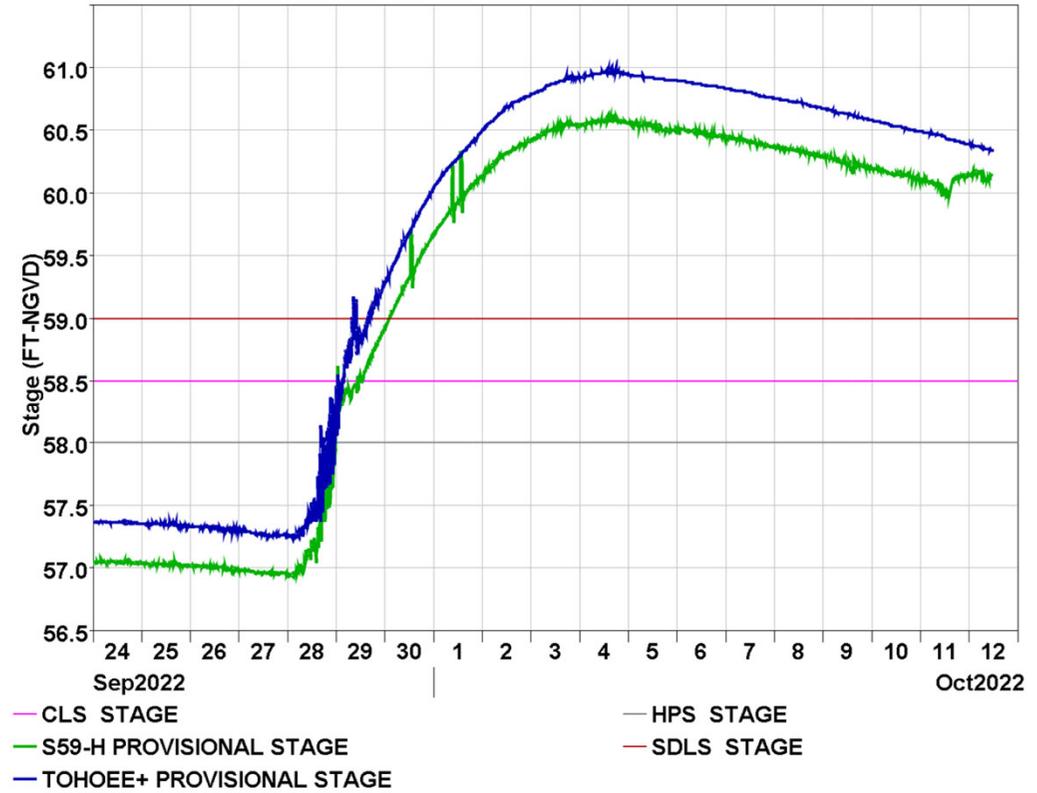


Partnering with Local, State and Federal Governments



Saving Thousands of Homes from Flooding

East Lake Toho



Focusing on Floodwaters



Fighting the Flooding and We're Not Stopping



Bringing Supplies To SFWMD Team Members

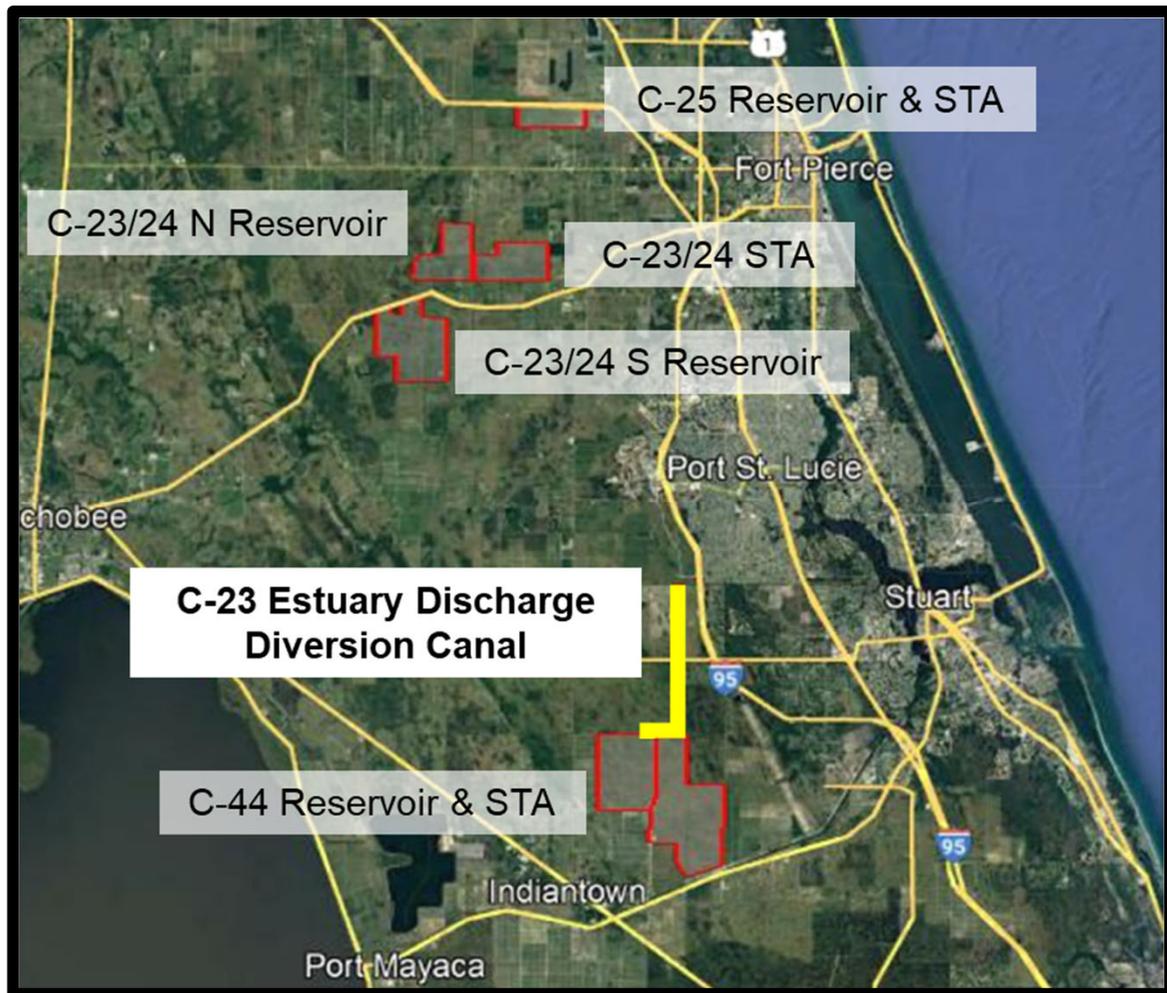


C-23 Estuary Discharge Diversion Project

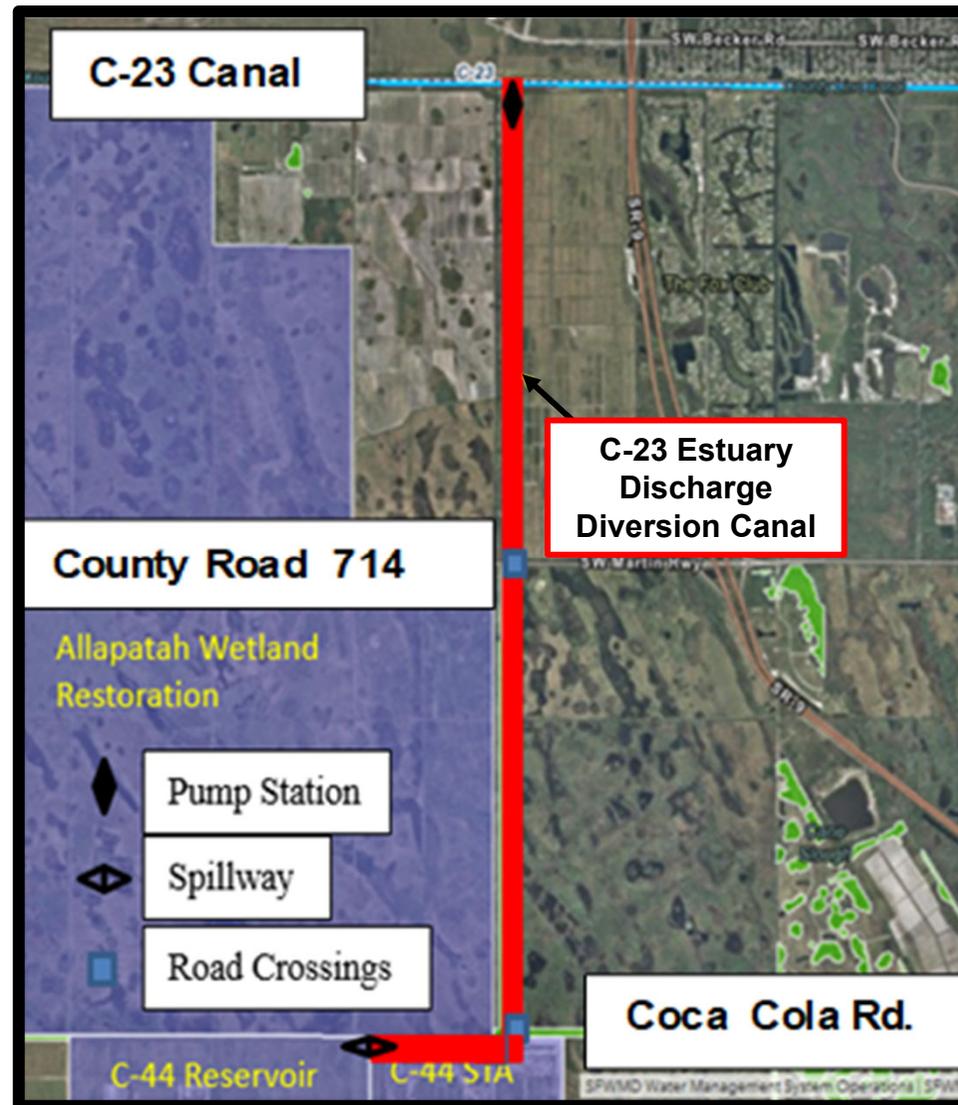
Alan Shirkey, P.E.
Bureau Chief, Engineering & Construction
South Florida Water Management District
Governing Board
October 13, 2022



Location Map



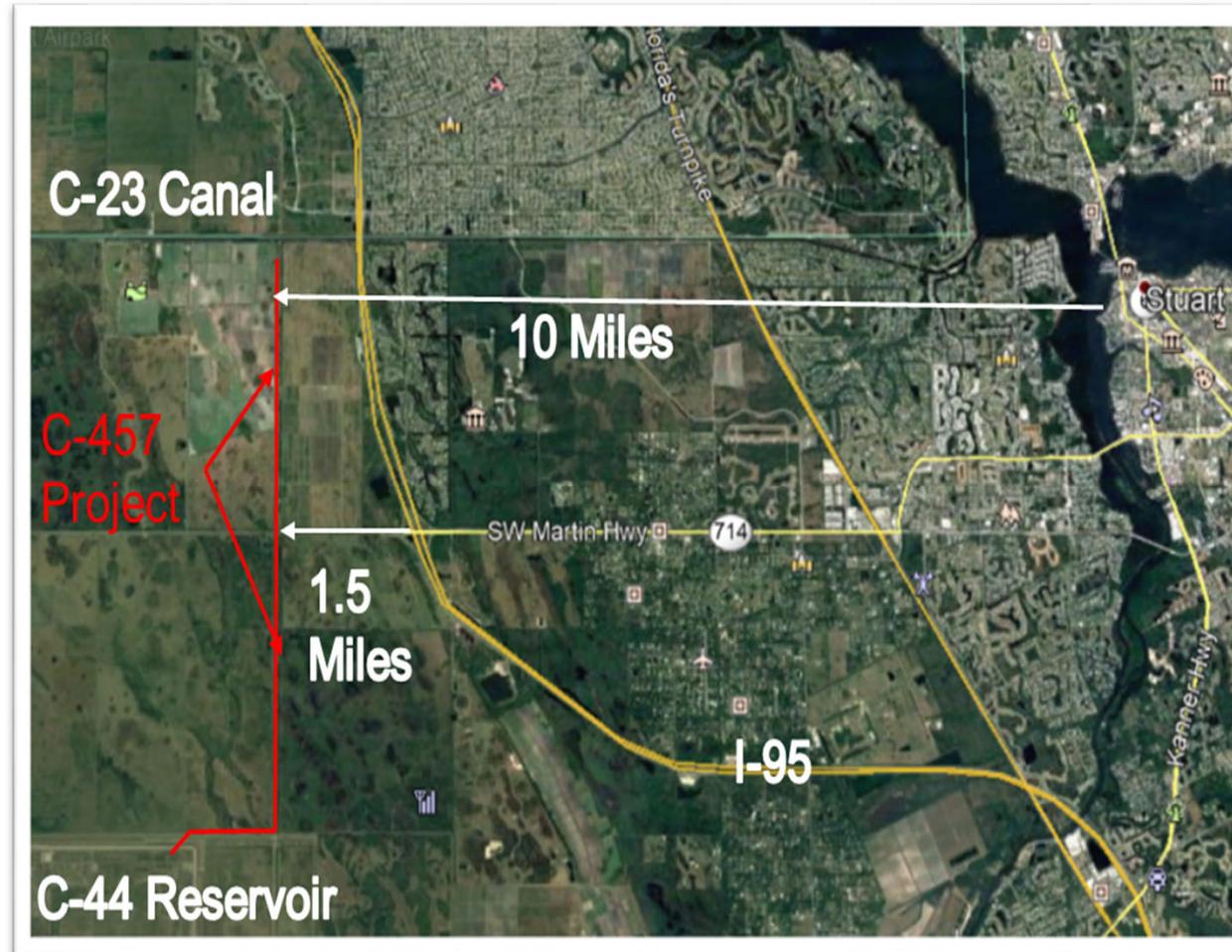
Palm City, Martin County



Background

Project Purpose

- To remove Excess Water from the C-23 Canal to be diverted, via the Interconnect Canal, to the C-44 Reservoir & STA projects (C-44 RSTA).
 1. Takes C-23 Canal water that would otherwise be discharged to tide.
 2. Takes water when C-23 Canal Flows to the estuary that are considered harmful.
 3. Will not compromise existing water supply.
 4. Pre-requisite for the operation of the Central Everglades Planning Project (CEPP) Everglades Agricultural Area (EAA) Storage Reservoir



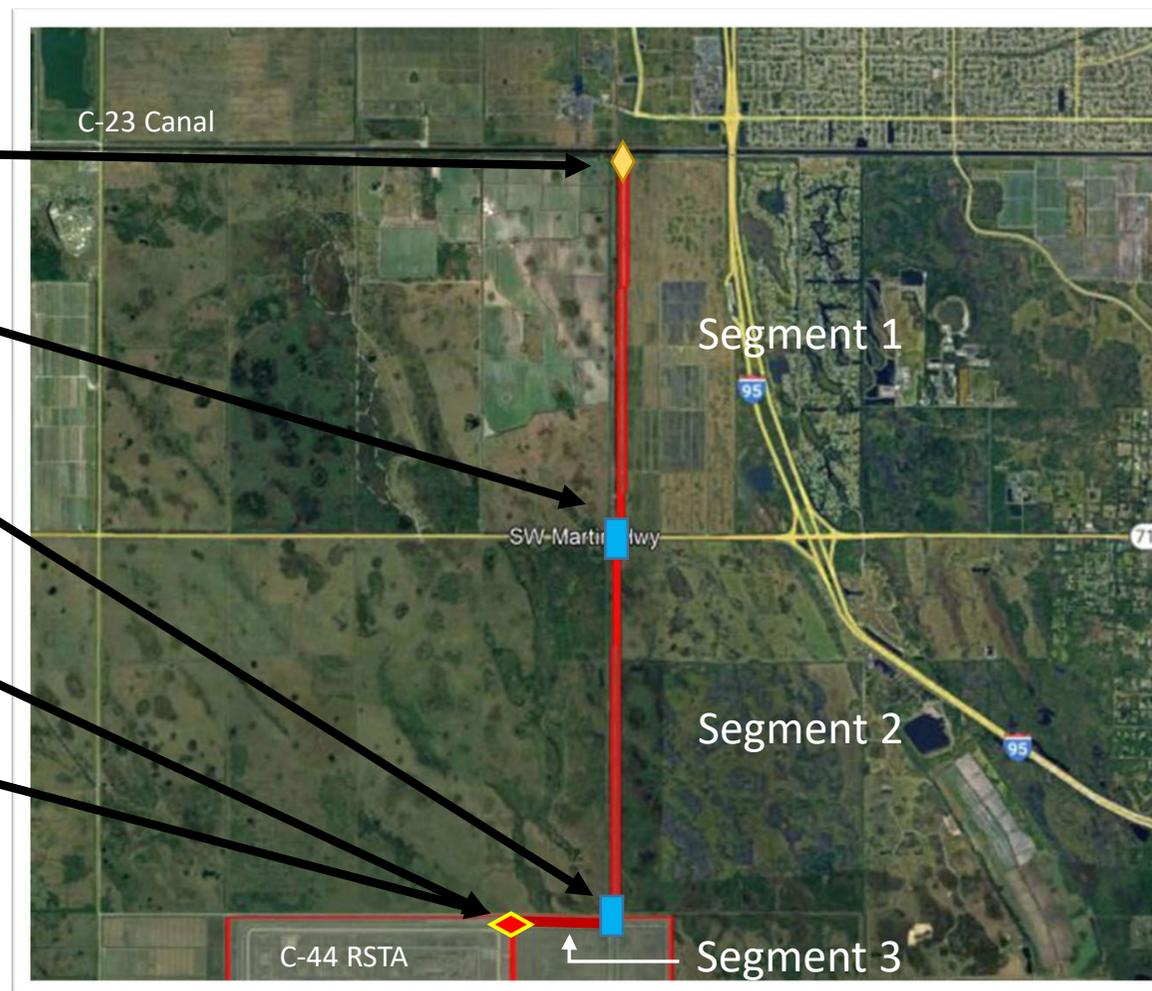
Background



Project Components

➤ Project components:

- S-457 – 250 cfs pump station
- S-458 – CR-714 Martin Hwy culvert crossing
- S-459S – Coca Cola Rd. culvert crossing
- S-460 – STA Access Bridge
- S-460 – Fixed weir spillway into C-44 Western Reservoir Perimeter Canal



Bid Summary

- RFB Advertised: August 25, 2022
- Bid Opening: September 26, 2022
- Number of Bids Received: 2
- Bid Range: \$46,227,152 - \$58,413,033.50
- Engineer's Estimate: \$59,100,000 - \$65,326,000



Resolution

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an 848-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder, for construction of the C-23 Estuary Discharge Diversion Project, in the amount of \$46,227,152 of which \$18,200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets.