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## South Florida Water Management District

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### **GOVERNING BOARD MONTHLY MEETING AGENDA**

November 9, 2023

9:00 AM

Osceola County Administration Building  
Commission Chambers, Suite 4700 (4th Floor)  
1 Courthouse Square  
Kissimmee, Florida 34741

#### FINAL

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Recognition of Elected Officials
4. Employee Recognitions
  - November Employee of the Month: Andrew Corrado
  - November Team of the Month: St. Cloud Field Station Canal/Levee Team
5. Agenda Revisions
6. Agenda Item Abstentions by Board Members
7. Big Cypress Basin Board Report - Charlette Roman, Chair
8. Consider Approval of the Minutes for the October 12, 2023 Meeting
9. Executive Director's Report - Drew Bartlett
10. General Public Comment
11. Board Comment

12. Move Consent Agenda Items to Discussion Agenda
13. Public Comment on Consent Agenda Items
14. Board Vote on Consent Agenda

## **Consent Agenda**

15. Land Conveyance to the City of Lauderdale Lakes, Broward County (Staff contact, Ray Palmer)

### **Agenda Item Background:**

In 1972, the District acquired land interests at no cost in conjunction with the future construction of the C-12N Canal. This proposed canal was to connect the C-13 to the C-12 in western Broward County approximately one-half mile east of Florida's Turnpike. The surplus land is located in Section 24, Township 49 South, Range 41 East in Broward County, and contains approximately 4.76 acres of fee simple interest. A portion of the land was platted for a canal within three residential subdivisions south of and adjacent to the C-13.

Broward County recently contacted the Real Estate Bureau requesting a water line easement through the property. The property was not in our inventory database, so the District's ownership was researched in Real Estate's archives and the following information was found:

- Sometime in the late 1970's the project was abandoned
- The canal was never built
- The land was not conveyed back to the former owners
- No additional land south of the 4.76 +/- acre strip was acquired

In addition, we contacted the Fort Lauderdale Field Station, and they did not have the property in their inventory, and they do not maintain the property.

The City of Lauderdale Lakes ("City"), the local municipality in the area, is currently maintaining the subject land as part of their canal system and has agreed to accept conveyance of the real estate interest. The land will be conveyed at no cost to the City.

### **Recommended Action:**

**Resolution No. 2023-1101 Approve surplus for conveyance to the City of Lauderdale Lakes fee simple interests containing 4.76 acres, more or less, located in Broward County, at no cost and without reservation of rights pursuant to Chapter 270.11, Florida Statutes.**

[Resolution No. 2023-1101](#)  
[Resolution Exhibit "A"](#)

16. Issue Non-Use Commitment (Staff contact, Ray Palmer)

### **Agenda Item Background:**

The District has certain reserved rights to construct canal right of ways. Applications requesting release of these reservations are received, as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need for the reservations. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a release value based on the appraised value of the land on the Property Appraiser's website in the County where the property is located. In lieu of a full release, a non-use commitment may be issued pursuant to Policy 140-86(c)(5).

While the size and location of the reservation may lend itself to a future need, it has been determined by a District-wide routing that there is no present need within the next fifteen years for the reservation listed below, therefore staff recommends approval of the following:

### **Broward County**

- Issue a non-use commitment as to canal reservations for a fifteen-year period for Ocean Waterway Co-Op, Inc., a Florida not-for-profit corporation (File No. 18915) for 26.93 +/- acres; non-use commitment value of \$94,850 has not been paid.

#### **Recommended Action:**

**Resolution No. 2023-1102 Issue a Non-Use Commitment for District canal reservations for fifteen years.**

[Memorandum Exhibit "A"](#)  
[Resolution 2023-1102](#)  
[Resolution Exhibit "A"](#)  
[Maps](#)

17. Amendment to Resolution 2023-0702 (Staff contact, Ray Palmer)

#### **Agenda Item Background:**

Resolution 2023-0702, adopted at the District's July 13, 2023 Governing Board meeting, approved the conveyance of land interests in Collier County provided that the conveyance occurred on or before December 1, 2023. Resolution 2023-0702 is amended to condition the conveyance occurring on or before June 1, 2024.

#### **Recommended Action:**

**Resolution No. 2023-1103 Amend Resolution No. 2023-0702 to extend the date to close the approved conveyance to on or before June 1, 2024.**

[Resolution No. 2023-1103](#)  
[Resolution No. 2023-0702](#)

18. Homestead Field Station Building Replacements Phase 2 Construction Services (Staff contact, Lucine Dadrian)

#### **Agenda Item Background:**

As part of the Capital Program, the Homestead Field Station Buildings Replacements Project, located in Miami Dade County, was required to modernize the facility, replace

buildings that have reached end of service life, bring the facilities up to current building codes and provide a more efficient facility for District Operations and Maintenance staff.

On October 12, 2017, the Governing Board approved ranking of firms and negotiations with Design Build Firms for the 60% design and stipulated price proposal for demolition of three existing buildings (B-230, B-96 and B-33) and construction of replacement buildings totaling 17,802 square feet. State Contracting and Engineering Corp. (SCEC) was selected to move forward with designing new buildings, which included office space, fleet and structure maintenance service bays, storage areas for land management and canal levee, emergency generator and generator room, restrooms and locker rooms, asphalt restoration, abandonment of septic tanks and connection to city sewer including construction of a lift station, and new fuel tanks with fuel dispensing system. Total costs for Phase 1 design were \$1,054,791.62 for Amendments 1 through 5. On November 12, 2020, the Governing Board approved Amendment No. 6 to enter into the Construction Phase of the Contract. Total construction costs for this work were \$12,755,571.

On May 13, 2021, the Governing Board approved Amendment No. 7 to add Phase 2 design services with an overall cost totaling \$1,062,986. Scope of work included design of replacement facilities for B-40 main admin office building, B-60 service bay building, B-148 vehicle wash facility, heliport, canal bank stabilization and crane assisted boat launch pad, dumpster enclosure, roadway improvements and access through site, and laydown area. This item is seeking approval of Change Order No. 6 to the Design Build Contract to add Phase 2 Construction Services in the amount of \$16,997,614 to complete the modernization of the Homestead Field Station. In accordance with the Design Build Contract, the work was competitively bid out by SCEC and a stipulated price for construction was submitted to the District and negotiated.

**Recommended Action:**

**Resolution No. 2023-1104 Authorize executing Change Order No. 6 to the design build contract with State Contracting and Engineering Corporation, for Phase 2 Construction Services for the Homestead Field Station Building Replacements Project in an amount not-to-exceed \$16,997,614 of which \$5,000,000 in dedicated funds (Land Acquisition Trust Fund and State General Revenue) and ad valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of Fiscal Year 2024-2025 budget. (Contract No. 4600003824-CO06)**

[Resolution No. 2023-1104](#)

[Location Maps](#)

19. On-Call Specialized Bridge Repair Contracts (Staff contact, Lucine Dadrian)

**Agenda Item Background:**

In support of the District's Operations and Maintenance, these specialized bridge repair contracts ensure access to District infrastructure by providing routine and priority repairs for District-owned bridges. Specialized bridge repairs support the continuing maintenance and operation of District structures by extending the useful life of our access bridges. The repairs are determined through previous bridge inspections

and prioritized by District staff. On-call specialized bridge repair contracts will be utilized on an as needed basis.

Specialized Bridge Repair contracts will be for a 3-year period with two 1-year renewal options and are a piggyback on Florida Department of Transportation (FDOT) Contracts E4V65-R0 and E6O62-R0 for maintenance and repair of existing bridges. The 2 contractors associated with FDOT contracts are Bridge Masters Construction, LLC and P&P Contracting, Inc.

**Recommended Action:**

**Resolution No. 2023-1105 Authorize entering into a contract with Bridge Masters Construction, LLC and P&P Contracting, Inc. to provide specialized repairs on District bridges, using FDOT Contracts E4V65-R0 and E6O62-R0 for Maintenance and Repair of Existing Bridges, for three years with two 1-year extension options in the amount of \$5,000,000, for which dedicated state funding and ad valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board Approval of future years budgets and authorized to execute as needed.**

<b>Contractor Name</b>	<b>Contract No.</b>
Bridge Masters Construction, LLC	4600004868
P&P Contracting, Inc.	4600004869

[Resolution No. 2023-1105](#)

- 20. Thomas Edison & Henry Ford Winter Estates Lease Extension at Fort Myers Service Center (Staff contact, Candida Heater)

**Agenda Item Background:**

On December 12, 2011, the District entered a Lease Revenue Contract with the Thomas Edison & Henry Ford Winter Estates (TE&HFWE). During the term of the Lease, the Parties have amended the Lease several times to revise the Statement of Work, Payment Schedule and increase the revenue amount (A01, A02, A03, A04, and A05), to extend the period of performance and Terms and Conditions (A03), as well as to revise the Site Map (A01, A04, and A05) of the Lease. The last extension of the lease ends on December 31, 2023 and TE&HFWE has expressed a desire to extend the lease by two years with one additional optional year.

This request is to authorize a two-year extension of the Lease with one additional optional year to renew, to the existing Contract 4600002546 with TE&HFWE, revise the Payment Schedule, change the Project Manager and Contract Specialist, and adjust the revenue total amount to \$1,312,869.98.

**Recommended Action:**

**Resolution No. 2023-1106 Authorize an amendment to Contract 4600002546 with Thomas Edison & Henry Ford Winter Estates by extending the original Lease by two years, with one additional option year, for a total potential revenue amount of \$1,312,869.98. (Contract No. 4600002546-A06)**

[Resolution No. 2023-1106](#)

21. Fifth Amendment to Cooperative Agreement with Collier County (Staff contact, Lisa Koehler)

**Agenda Item Background:**

Submitted for authorization and execution is the fifth amendment to the cooperative agreement with Collier County, Agreement No. C-11759, regarding the operation and maintenance of designated primary watercourses in Collier County. This amendment ensures continuous operation and maintenance of designated primary canals in Collier County that the District/Big Cypress Basin assumed responsibility for over 40 years ago. The current agreement expires in 2024 and the fifth amendment to the cooperative agreement will: (1) extend the termination date to September 30, 2034; (2) identify that the District through the Basin will be responsible for the design, construction, operation and maintenance of the two new structures (Gordon River and Palm River weirs) as well as removal of the existing structures, with the County continuing maintenance until construction commences for each project; (3) receive funding from Collier County in an amount of \$26 Million over a 5-year period for the construction, operation and maintenance for the new coastal structures; and (4) through the agreement, authorize the removal of canals and water control structures as need for the restoration in the Picayune Strand Restoration Project.

The Big Cypress Basin Board reviewed this agreement at their August 2023 meeting and requests Governing Board approval and execution of this amendment.

**Recommended Action:**

**Resolution No. 2023-1107 Authorize entering into a 10-year extension of a cooperative agreement with Collier County for the operation and maintenance of the primary flood control system in Collier County and to accept funding in the amount of \$26 Million over five years for the construction and operation of two new water control structures; providing an effective date. (Agreement No 3600000019-A05/C-11759)**

[Resolution No. 2023-1107](#)

22. Pump Station S-9 Main Engine Refurbishment Project, Ft. Lauderdale Field Station Area of Responsibility, Broward County (Staff contact, Rich Virgil)

**Agenda Item Background:**

As part of the Operations and Maintenance Capital Improvement Plan, the S-9 Pump Station Main Engine Refurbishment Project, located in Broward County, is part of the annual Operations and Maintenance Pump and Engine Overhaul Program. Pantropic Power, Inc., will provide all equipment, materials, and labor necessary to refurbish the 3 main engines at the S-9 Pump Station. The purpose of the structure is to pump excess water into Water Conservation Area 3A (WCA-3A) via the C-11 Extension Canal from the Western C-11 Basin and to assist Pump Station S-9A to pump seepage under the L-33 and L-37 Levees back into WCA-3A.

The S-9 pump station was constructed in 1956, and the station was repowered with new engines in 1990. Deficiencies were found during a recent inspection conducted by District staff indicating the need for the refurbishment. The purpose of the project is to refurbish and modernize three (3) Caterpillar Series 3606 Diesel Engines each rated at

2,000 horsepower. Pantropic Power, Inc., is the authorized representative of Caterpillar Corp, who is the original equipment manufacturer; therefore, this contract will be executed through a special procurement under Section 155-6, South Florida Water Management District's Policies and Procedures. This policy provides that licensing, warranty, compatibility requirements that limit the selection to the manufacturer, including purchases of parts, repairs, or maintenance services for field equipment from the original equipment manufacturer, seller, or authorized repair facility (e.g., pumps generators, and specialized field equipment) are exempt from competition.

This project will refurbish one engine in the first fiscal year and two engines in the second fiscal year. Each refurbishment will take place during the dry season, with an estimated 2 months out of service. The work will need to be scheduled in conjunction with other activities taking place at the same time, such as the refurbishment of the main pumps and gearboxes. Therefore, the work is anticipated to take place over a two-year period. All available resources will be utilized to shorten the project schedule to one dry season, if possible. The project efforts include modernization, replacement and/or refurbishment of all major components to ensure an additional 20 years of uninterrupted service; increased engine efficiency; and ensures continued reliability of the pump station to perform its intended functions by reducing the potential for a catastrophic failure of the engines.

**Recommended Action:**

**Resolution No. 2023-1108 Authorize entering into a 730-day contract with Pantropic Power, Inc., for the Pump Station S-9 Main Engine Refurbishment Project in an amount of not-to-exceed \$4,992,850.59 of which \$4,992,850.59 in dedicated funds (Land Acquisition Trust Fund) is budgeted in Fiscal Year 2023-2024 Adopted Budget. (Purchase Order No. 4500145208)**

[Resolution No. 2023-1108](#)

[Backup Presentation](#)

## **Discussion Agenda**

23. Release of Reservations (Staff contact, Ray Palmer)

**Agenda Item Background:**

The District has certain reserved rights to construct canal and road right of ways. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need for the reservations. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a value equal to three percent of the appraised value of the land on the Property Appraiser's website in the County where the property is located.

Staff evaluated the properties' size and location for future flood control and reclamation purposes related to water storage and conveyance. Lake Worth Drainage District owns the adjacent canal and has retained property interests to widen the canal. Regarding storage, the District owns significant parcels in Palm Beach County adjacent to works

of the District.

This storage opportunity was further evaluated with respect to the specific development being proposed on the property. The subject properties will each have 60% greenspace set aside as required by county rules. Additionally, to protect that greenspace, a conservation easement will be recorded in favor of Palm Beach County and the District will be named as a beneficiary. This greenspace set aside provides for pervious infiltration and storage in and on the landscape and inherently provides for more on site retention and green infrastructure water management in the area. The remainder of the property would be permitted pursuant to Environmental Resource Permit stormwater management requirements.

Therefore, given that Lake Worth Drainage District flood control needs have been reserved, coupled with the nature of the development and requisite conservation easement, District staff recommends release of the reservations.

### **Palm Beach County**

- Release District canal and road reservations for Barbara M. Logan, Trustee of the Barbara M. Logan Revocable Trust dated August 22, 2007; Cecily DeReuil Fazio and James J. DeReuil, Co-Trustees of the Barbara R. DeReuil Revocable Trust Agreement dated October 6, 2009, and David M. Bargas, Nancy L. Jankovsky and Susan J. Griffin, Co-Trustees of the John Bargas Trust dated March 10, 2004 (File No. 18932) for 39.24+/- acres; subject to release value payment in the amount of \$249,702.57
- Release District canal and road reservations for Patricia A. Mazzone and Thomas A. Smith, Co-Trustees of the William A. Mazzone Revocable Trust dated June 4, 1992 (File No. 18935) for 92.66+/- acres; subject to release value payment in the amount of \$645,956.04

### **Recommended Action:**

**Resolution No. 2023 - 1109 Release certain canal and road reservations following execution of an agreement designating the District as a beneficiary of a recorded conservation easement pertaining to the property.**

[Memorandum Exhibit "A"](#)

[Resolution No. 2023-1109](#)

[Resolution Exhibit "A"](#)

[Maps](#)

[Erickson Preserve Areas Map](#)

24. FY2024-2025 Alternative Water Supply Funding Program (Staff contact, Stacey Payseno)

### **Agenda Item Background:**

This item includes a presentation of the upcoming Fiscal Year 2024-2025 Alternative Water Supply Funding Program (Program) which includes an overview and a tentative schedule for implementation. The Program's purpose is to provide financial incentives through matching grants for local alternative water supply and water conservation projects. No action is required at this time.

## **Technical Reports**

- 25. Water Conditions Report - John P. Mitnik
- 26. Ecological Conditions Report - Lawrence Glenn

## **Staff Reports**

- 27. Monthly Financial Report - Candida Heater, Division Director - Administrative Services
- 28. General Public Comment
- 29. Board Comment
- 30. Adjourn

Final Presentations for Agenda Items 09, 23, 24, 25, and 26

### **Agenda Item Background:**

- [09 Bartlett Executive Director's Report](#)
- [23 Reynolds Release of Reservations](#)
- [24 Payseno DEPAWS Funding](#)
- [25 Mitnik Water Conditions and 26 Glenn Eco Conditions Combined](#)
- [CERP Progress Report](#)
- [NEEPP Project Update](#)

## **Public Comment Procedure**

The South Florida Water Management District Governing Board encourages the public to provide comment and input to the Governing Board. Public comment is accepted at the two dedicated General Public Comment periods at the beginning and the end of the meeting. Public comment is also accepted on the Consent Agenda and each Discussion Agenda item.

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Ray Palmer, Real Estate

**DATE:** November 9, 2023

**SUBJECT:** Land Conveyance to the City of Lauderdale Lakes, Broward County

### **Agenda Item Background:**

In 1972, the District acquired land interests at no cost in conjunction with the future construction of the C-12N Canal. This proposed canal was to connect the C-13 to the C-12 in western Broward County approximately one-half mile east of Florida's Turnpike. The surplus land is located in Section 24, Township 49 South, Range 41 East in Broward County, and contains approximately 4.76 acres of fee simple interest. A portion of the land was platted for a canal within three residential subdivisions south of and adjacent to the C-13.

Broward County recently contacted the Real Estate Bureau requesting a water line easement through the property. The property was not in our inventory database, so the District's ownership was researched in Real Estate's archives and the following information was found:

- Sometime in the late 1970's the project was abandoned
- The canal was never built
- The land was not conveyed back to the former owners
- No additional land south of the 4.76 +/- acre strip was acquired

In addition, we contacted the Fort Lauderdale Field Station, and they did not have the property in their inventory, and they do not maintain the property.

The City of Lauderdale Lakes ("City"), the local municipality in the area, is currently maintaining the subject land as part of their canal system and has agreed to accept conveyance of the real estate interest. The land will be conveyed at no cost to the City.

### **Additional Item Background:**

The Governing Board, pursuant to Section 373.056, Florida Statutes, has the authority to convey to any governmental entity, land, or rights in land for which it has no present or apparent future use under terms and conditions determined by the Board.

### **Funding Source:**

The City will pay any costs associated with the recording of the conveyance of the property and no costs will be paid by the District.

### **Staff Contact and/or Presenter:**

Ray Palmer, rpalmer@sfwmd.gov, 561-682-2246

**ATTACHMENTS:**

Resolution No. 2023-1101

Resolution Exhibit "A"

# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

2023- \_\_\_\_\_

**A Resolution of the Governing Board of the South Florida Water Management District approving surplus for conveyance to the City of Lauderdale Lakes fee simple interests containing 4.76 acres, more or less, located in Broward County, at no cost and without reservation of rights pursuant to Chapter 270.11, Florida Statutes; providing an effective date.**

**WHEREAS**, in 1972 the District acquired certain real estate interests containing 4.76 acres, more or less, in conjunction with a proposed canal known as the C-12N Project ("Project"), located in Section 24, Township 49 South, Range 41 East, Broward County, and shown on Exhibit "A", attached hereto and made a part hereof. The Project was abandoned in the late 1970s and the canal was not built; and

**WHEREAS**, the Governing Board has determined that it is in the public interest to convey said land to the City of Lauderdale Lakes as part of its canal system and that the land is not required by the District for present or future use; and

**WHEREAS**, the real estate interest described herein will be conveyed at no cost and without the reservation rights to mine and develop all phosphate, minerals, metals and petroleum in, on, or under said land pursuant to Section 270.11, Florida Statutes; and

**WHEREAS**, the Governing Board, pursuant to Section 373.056(4), Florida Statutes, has the authority to convey to any governmental entity, land or rights in land owned by the District not required for its purposes; and

**WHEREAS**, pursuant to Section 373.089(6), Florida Statutes, the Governing Board shall be required to determine that the land is no longer needed for conservation purposes by at least a two-thirds (2/3) majority.

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

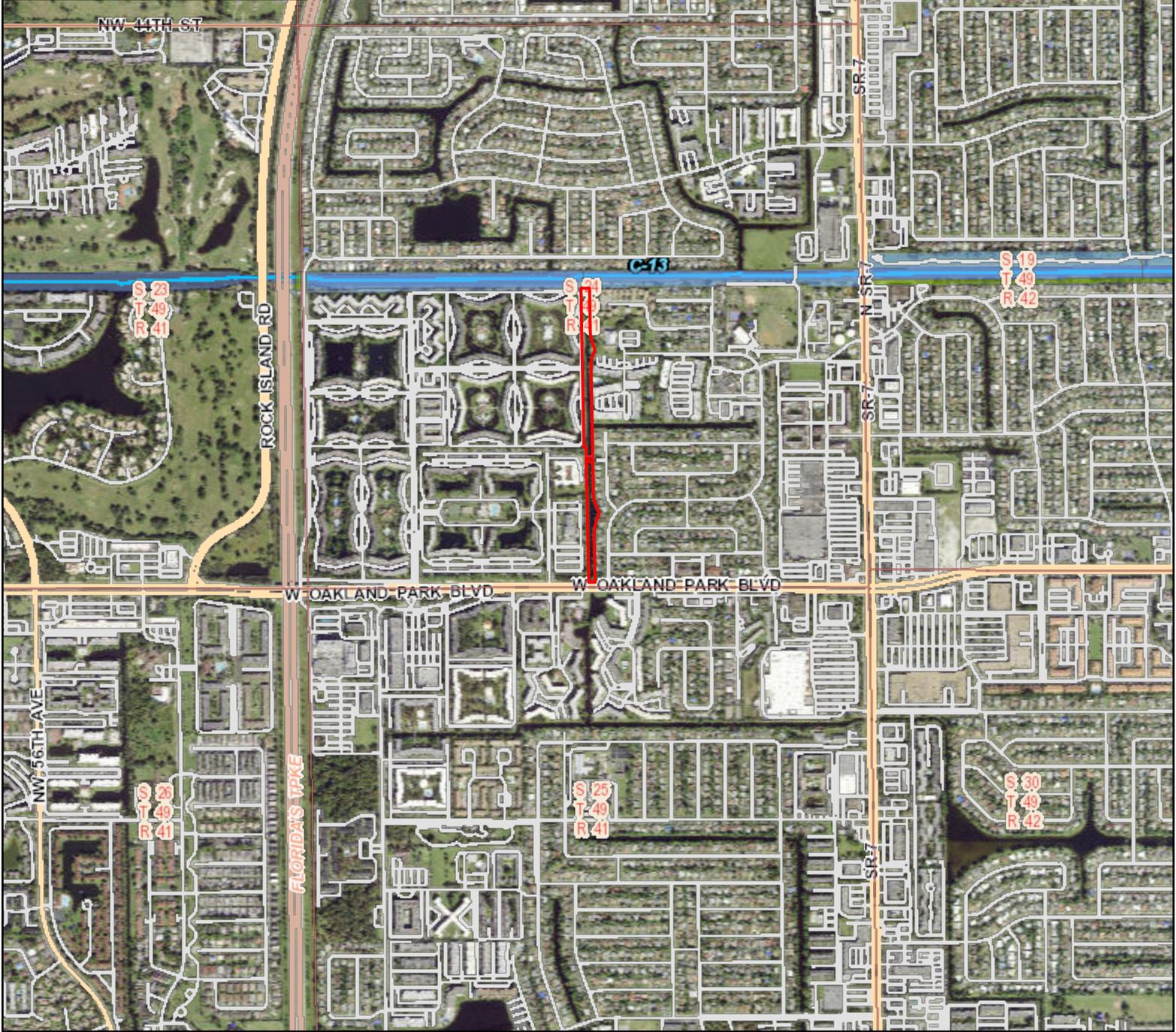
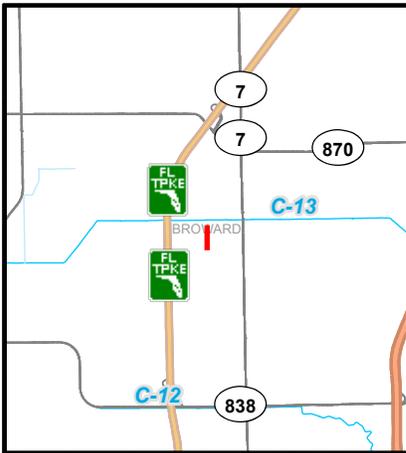
**Section 1.** The Governing Board of the South Florida Water Management District hereby (i) determines that fee simple ownership of the land acquired for the C-12N Project containing 4.76 acres, more or less, located in Broward County, depicted in Exhibit "A" attached hereto, is not required by the District for present or future use, and (ii) approves declaring surplus the land interests to be conveyed at no costs and without reservation of phosphate, minerals, metals and petroleum under Section 270.11, Florida Statutes to the City of Lauderdale Lakes.

**Section 2.** Consistent with the requirements of Section 373.089(6), Florida Statutes, the Governing Board hereby determines that the subject land is no longer needed for conservation purposes, and that this Resolution was approved by the Governing Board by at least a two-thirds (2/3) vote.

**Section 3.** The Governing Board of the South Florida Water Management District hereby authorizes the Chairman or Vice Chairman to execute the conveyance document.

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

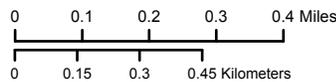
**PASSED** and **ADOPTED** this 9<sup>th</sup> day of November, 2023.



### Exhibit "A"



South Florida Water Management District  
 3301 Gun Club Road, West Palm Beach, Florida 33406  
 561-686-8800; www.sfwmd.gov



**DISCLAIMER:**  
 This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property.



## M E M O R A N D U M

**TO:** Governing Board Members  
**FROM:** Ray Palmer, Real Estate  
**DATE:** November 9, 2023  
**SUBJECT:** Issue Non-Use Commitment

### **Agenda Item Background:**

The District has certain reserved rights to construct canal right of ways. Applications requesting release of these reservations are received, as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need for the reservations. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a release value based on the appraised value of the land on the Property Appraiser's website in the County where the property is located. In lieu of a full release, a non-use commitment may be issued pursuant to Policy 140-86(c)(5).

While the size and location of the reservation may lend itself to a future need, it has been determined by a District-wide routing that there is no present need within the next fifteen years for the reservation listed below, therefore staff recommends approval of the following:

### **Broward County**

- Issue a non-use commitment as to canal reservations for a fifteen-year period for Ocean Waterway Co-Op, Inc., a Florida not-for-profit corporation (File No. 18915) for 26.93 +/- acres; non-use commitment value of \$94,850 has not been paid.

### **Additional Item Background:**

See Memorandum Exhibit "A" and maps attached hereto and made a part hereof, which contains the details and location of the non-use commitment to be issued.

The release value payment is based on one percent (1%) of the Property Appraiser's land value, which was the release value percentage at the time the application was received on January 21, 2022, pursuant to Policy 140-86(c)(5).

### **Core Mission and Strategic Priorities:**

Pursuant to Section 373.096 of the Florida Statutes, the Governing Board of the District may release any reservation for which it has no present or apparent use under terms and conditions determined by the Board. Policy 140-86(c)(5) provides that a non-use commitment may be issued as to canal reservations, provided that there is no apparent present project use within a period of years.

**Staff Contact and/or Presenter:**

Ray Palmer, rpalmer@sfwmd.gov, 561-682-2246

**ATTACHMENTS:**

[Memorandum Exhibit "A"](#)

[Resolution 2023-1102](#)

[Resolution Exhibit "A"](#)

[Maps](#)

**MEMORANDUM – EXHIBIT “A”**

**Broward County**

File No: 18915  
Applicant: Ocean Waterway Co-Op, Inc., a Florida not-for-profit corporation  
Reserving Deed: T-5699 (DB 218-517, 9/30/1930)  
Application Fee Paid: \$250.00  
Release Value: \$94,850.00 (unpaid)  
Action: Issue a Non-Use Commitment for District owned Canal Reservations, subject to payment of \$94,850.00 for release of District real property interests (1% of Property Appraiser’s land value at time of application on 10/21/2022)  
Acres: 26.93 acres, more or less  
Legal Description: All of Blocks 4 and 5 and Portions of Blocks 3, 6, 7, 8, 9, 10 and 11, AMENDED PLAT OF HOLLYWOOD PALMS, PB 10-65, Section 33, Township 50 South, Range 42 East  
Location: 1500 Old Griffin Road, Dania Beach, Broward County  
Reviewed By: Field Operations Division, Water Supply Development Section, Right of Way Section, Environmental Recourse Permitting Bureau, Ecosystem Restoration, Capital Projects Division and Office of Counsel

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2023 – XXXX**

**A Resolution of the Governing Board of the South Florida Water Management District to issue a Non-Use Commitment for District canal reservations for fifteen years; providing an effective date.**

**WHEREAS**, the applicant has requested that the South Florida Water Management District issue a Non-Use Commitment for certain District canal reservations; and

**WHEREAS**, the District is empowered to grant such release pursuant to Section 373.096, Florida Statutes.

**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 approves the issuance of a Non-Use Commitment of District canal reservations for a period of fifteen years, as described in Resolution Exhibit “A” attached hereto and made a part hereof.

**Section 2.** This Resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 9th day of November, 2023.

## RESOLUTION – EXHIBIT “A”

### **Broward County**

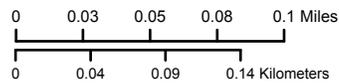
File No: 18915  
Applicant: Ocean Waterway Co-Op, Inc., a Florida not-for-profit corporation  
Reserving Deed: T-5699 (DB 218-517, 9/30/1930)  
Application Fee Paid: \$250.00  
Release Value: \$94,850.00 (unpaid)  
Action: Issue a Non-Use Commitment for District owned Canal Reservations, subject to payment of \$94,850.00 for release of District real property interests (1% of Property Appraiser's land value at time of application on 10/21/2022)  
Acres: 26.93 acres, more or less  
Legal Description: All of Blocks 4 and 5 and Portions of Blocks 3, 6, 7, 8, 9, 10 and 11, AMENDED PLAT OF HOLLYWOOD PALMS, PB 10-65, Section 33, Township 50 South, Range 42 East  
Location: 1500 Old Griffin Road, Dania Beach, Broward County



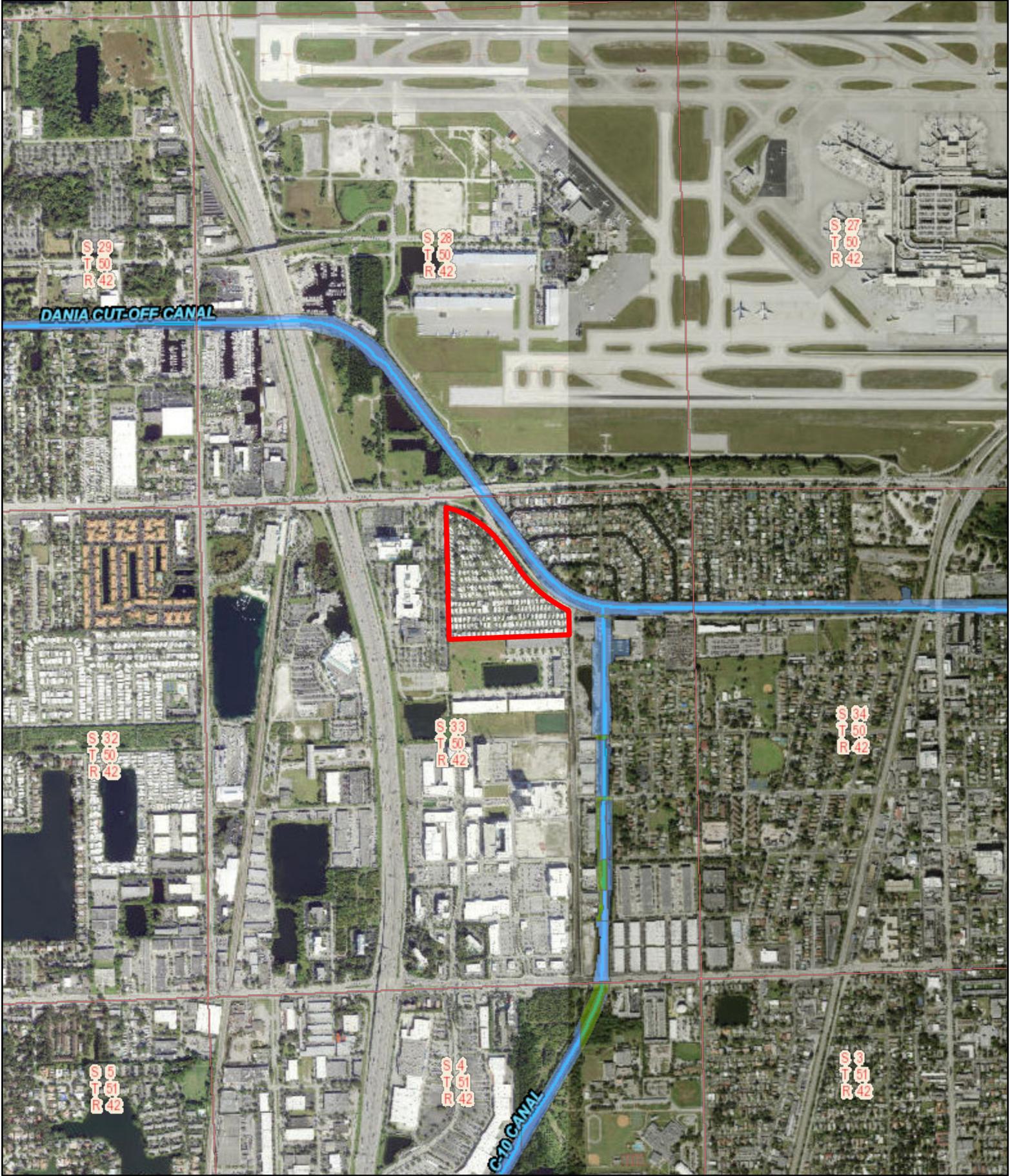
18915



South Florida Water Management District  
 3301 Gun Club Road, West Palm Beach, Florida 33406  
 561-686-8800; www.sfwmd.gov



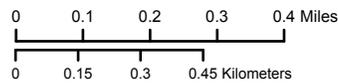
**DISCLAIMER:**  
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18915



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## MEMORANDUM

**TO:** Governing Board Members  
**FROM:** Ray Palmer, Real Estate  
**DATE:** November 9, 2023  
**SUBJECT:** Amendment to Resolution 2023-0702

**Agenda Item Background:**

Resolution 2023-0702, adopted at the District's July 13, 2023 Governing Board meeting, approved the conveyance of land interests in Collier County provided that the conveyance occurred on or before December 1, 2023. Resolution 2023-0702 is amended to condition the conveyance occurring on or before June 1, 2024.

**Funding Source:**

The costs associated with the closing of the conveyance will be funded by the Florida Department of Environmental Protection.

**Staff Contact and/or Presenter:**

Ray Palmer, rpalmer@sfwmd.gov, 561-682-2246

**ATTACHMENTS:**

[Resolution No. 2023-1103](#)

[Resolution No. 2023-0702](#)

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2023 - \_\_\_\_\_**

**A Resolution of the Governing Board of the South Florida Water Management District amending Resolution No. 2023-0702 to extend the date to close the approved conveyance to on or before June 1, 2024; providing an effective date.**

**WHEREAS**, pursuant to Resolution No. 2023-0702, the South Florida Water Management District approved the conveyance of land interests in Collier County; and

**WHEREAS**, Section 1 of the Resolution provided that the conveyance occur on or before December 1, 2023 and the District desires to amend Resolution 2023-0702 to extend the date to close the approved conveyance to on or before June 1, 2024; and

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

**Section 1.** Section 1 of Resolution No. 2023-0702 is hereby amended to condition the conveyance on occurring on or before June 1, 2024.

**Section 2.** Resolution No. 2023-0702, as amended pursuant to Section 1. above, remains in full force and effect.

**Section 3.** This Resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 9<sup>th</sup> day of November, 2023.

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2023 - 0702**

**A Resolution of the Governing Board of the South Florida Water Management District to approve conveying land interests containing 6,275.97 acres, more or less, in Collier County, to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida and, in connection therewith, approve declaring the land interests, together with any structures, improvements, and personal property appurtenant thereto, surplus; providing an effective date.**

**WHEREAS**, pursuant to Resolution No. 2023-0516, the South Florida Water Management District approved the purchase and acquisition of land interests collectively containing 11,053.44 acres, more or less, in connection with the Green Heart of the Everglades Project in Collier County, and as shown on the location map attached hereto and made a part hereof as Exhibit "A", for \$29,850,000, which amount will be funded by the Florida Department of Environmental Protection ("FDEP"); and

**WHEREAS**, subsequent to the District's receipt of the funds from FDEP and the District's closing on the acquisition of the subject land interests, the District will convey an approximately 6,275.97 acre portion of the land interests, as shown on the location map attached hereto and made a part hereof as Exhibit "B", to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida ("TIITF"), conditioned upon the conveyance to TIITF occurring on or before December 1, 2023; and

**WHEREAS**, only with respect to the conveyance of the subject land interests to TIITF, the Governing Board has determined that fee ownership of the land interests is not required by the District for present or future use, that it is in the public interest to declare the land interests surplus for conveyance to TIITF, and by at least a two-thirds (2/3) majority vote that the lands are no longer needed by the District for its conservation purposes; and

**WHEREAS**, the Governing Board, pursuant to Section 373.056, Florida Statutes, has the authority to authorize the conveyance to any governmental entity, land or rights in land owned by the District not required for its purposes, under terms and conditions determined by the Governing Board.

**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 (i) approves declaring surplus land interests containing 6,275.97 acres, more or less, in Collier County, identified in the attached Exhibit "B", together with any structures, improvements, and personal property appurtenant thereto (collectively, the "Property"), which Property has been approved for acquisition by the District pursuant to Resolution No. 2023-

**Resolution No. 2023 - 0702**

0516, (ii) approves conveying the Property to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida by quitclaim deed for no consideration and conditioned upon the conveyance occurring on or before December 1, 2023, and (iii) determines, only with respect to the conveyance of the Property to the Board of Trustees of the Internal Improvement Fund of the State of Florida which the District deems consistent with preserving and protecting the conservation values of the District, that fee ownership of the Property is not required by the District for present or future use, that it is in the public interest to declare the Property surplus for conveyance to TIITF, and by at least a two-thirds (2/3) majority vote that the Property is no longer needed by the District for its conservation purposes.

**Section 2.** The Governing Board of the South Florida Water Management District hereby authorizes the Chairman or Vice Chairman to execute the conveyance document, and further authorizes the Executive Director or his designee to make any determinations and execute all other documents necessary for and in connection with the matters stated in this Resolution.

**Section 3.** This Resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 13<sup>th</sup> day of July, 2023.



SOUTH FLORIDA WATER MANAGEMENT DISTRICT, BY ITS GOVERNING BOARD  
By:

A handwritten signature in blue ink, appearing to read "Chauncey P. Goss, II".

Chauncey P. Goss, II  
Chairman

Attest:

A handwritten signature in blue ink, appearing to read "Doris [unclear]".  
District Clerk/Secretary

Legal form approved:

By: A handwritten signature in blue ink, appearing to read "Sandra R.B. Wallace".

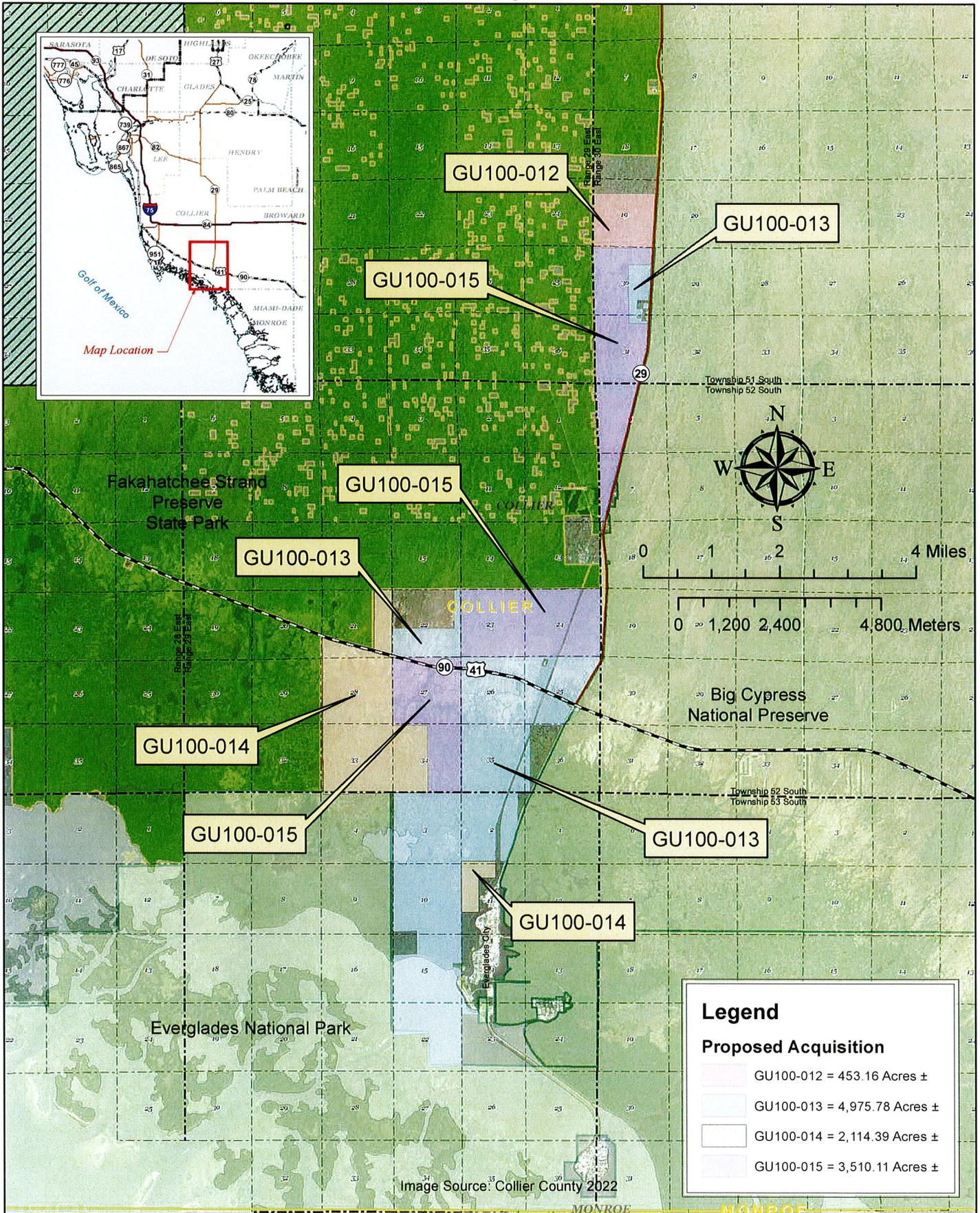
Office of Counsel

Print name:

Sandra R.B. Wallace

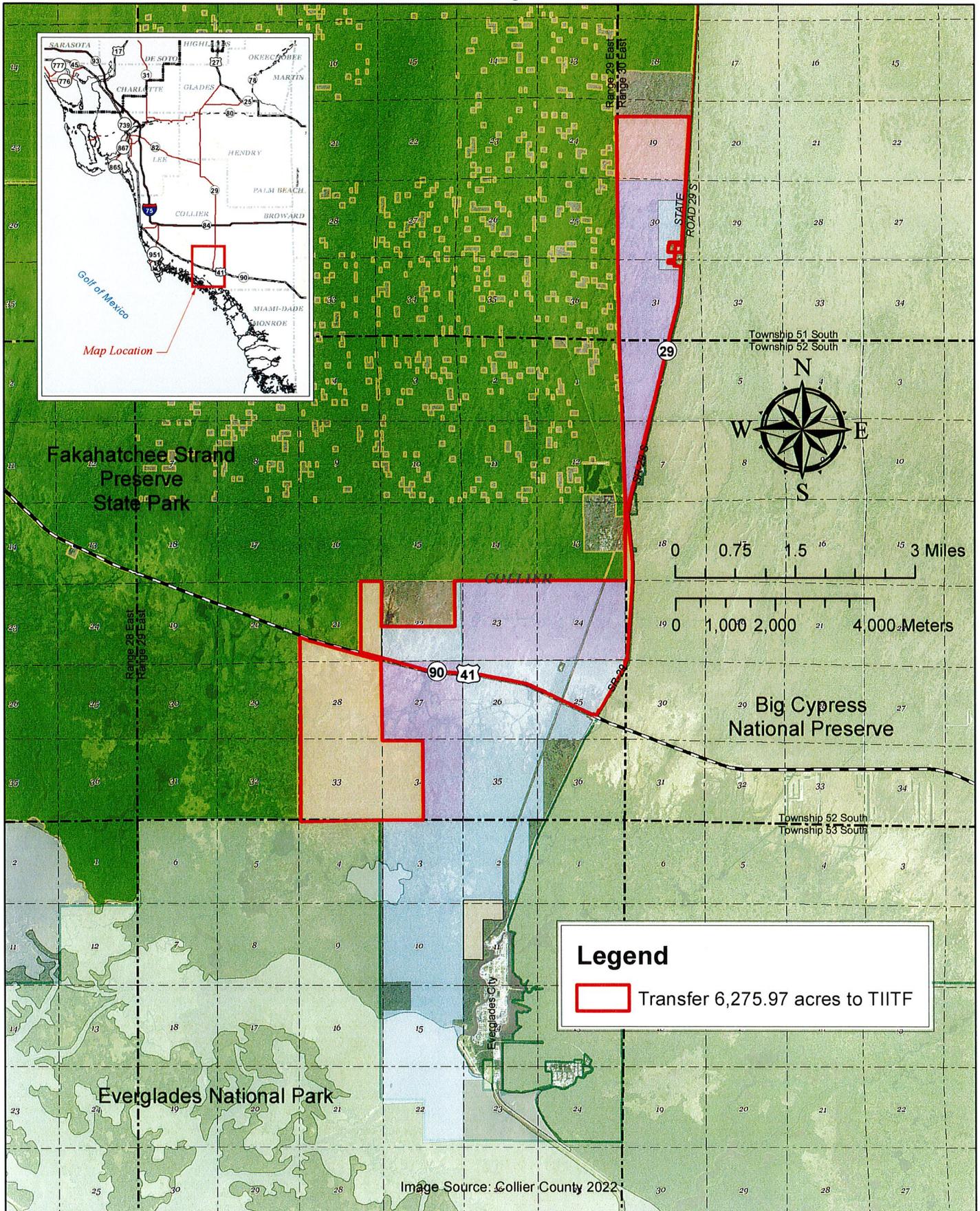
# Green Heart of the Everglades Proposed Acquisition Collier County, Florida

Exhibit "A"



# Green Heart of the Everglades Proposed Conveyance Collier County, Florida

Exhibit "B"



## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Lucine Dadrian, Engineering, Construction & Modeling

**DATE:** November 9, 2023

**SUBJECT:** Homestead Field Station Building Replacements Phase 2 Construction Services

### **Agenda Item Background:**

As part of the Capital Program, the Homestead Field Station Buildings Replacements Project, located in Miami Dade County, was required to modernize the facility, replace buildings that have reached end of service life, bring the facilities up to current building codes and provide a more efficient facility for District Operations and Maintenance staff.

On October 12, 2017, the Governing Board approved ranking of firms and negotiations with Design Build Firms for the 60% design and stipulated price proposal for demolition of three existing buildings (B-230, B-96 and B-33) and construction of replacement buildings totaling 17,802 square feet. State Contracting and Engineering Corp. (SCEC) was selected to move forward with designing new buildings, which included office space, fleet and structure maintenance service bays, storage areas for land management and canal levee, emergency generator and generator room, restrooms and locker rooms, asphalt restoration, abandonment of septic tanks and connection to city sewer including construction of a lift station, and new fuel tanks with fuel dispensing system. Total costs for Phase 1 design were \$1,054,791.62 for Amendments 1 through 5. On November 12, 2020, the Governing Board approved Amendment No. 6 to enter into the Construction Phase of the Contract. Total construction costs for this work were \$12,755,571.

On May 13, 2021, the Governing Board approved Amendment No. 7 to add Phase 2 design services with an overall cost totaling \$1,062,986. Scope of work included design of replacement facilities for B-40 main admin office building, B-60 service bay building, B-148 vehicle wash facility, heliport, canal bank stabilization and crane assisted boat launch pad, dumpster enclosure, roadway improvements and access through site, and laydown area. This item is seeking approval of Change Order No. 6 to the Design Build Contract to add Phase 2 Construction Services in the amount of \$16,997,614 to complete the modernization of the Homestead Field Station. In accordance with the Design Build Contract, the work was competitively bid out by SCEC and a stipulated price for construction was submitted to the District and negotiated.

### **Additional Item Background:**

#### **Core Mission and Strategic Priorities:**

The project supports the District's missions of ecosystem restoration, water supply and flood control.

#### **Funding Source:**

The Homestead Field Station Buildings Replacement Project – Phase 2 Construction Services

will be funded through ad valorem funds.

**Staff Contact and/or Presenter:**

Lucine Dadrian, P.E., [ldadrian@sfwmd.gov](mailto:ldadrian@sfwmd.gov), 561-682-2685

**ATTACHMENTS:**

[Resolution No. 2023-1104](#)

[Location Maps](#)

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2023 - 11XX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize executing Change Order No. 6 to the design build contract with State Contracting and Engineering Corporation, for Phase 2 Construction Services for the Homestead Field Station Building Replacements Project in an amount not-to-exceed \$16,997,614 of which \$5,000,000 in dedicated funds (Land Acquisition Trust Fund and State General Revenue) and ad valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of Fiscal Year 2024-2025 budget; providing an effective date. (Contract No. 4600003824-CO06)**

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to amend the contract with State Contracting and Engineering Corporation authorizing Phase 2 for additional construction services for the Homestead Field Station Buildings Replacements Project.

**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 executing a change order with State Contracting and Engineering Corporation, for Phase 2 construction services for the Homestead Field Station Building Replacements in an amount not-to-exceed \$16,997,614 of which \$5,000,000 in dedicated funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of Fiscal Year 2024-2025 budget. (Contract No. 4600003824-CO06).

**Section 2.** This Resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 9<sup>th</sup> day of November, 2023.

# Homestead Field Station Building Replacements Location Map



# Conceptual Rendering of Homestead FS



## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Lucine Dadrian, Engineering, Construction & Modeling

**DATE:** November 9, 2023

**SUBJECT:** On-Call Specialized Bridge Repair Contracts

### **Agenda Item Background:**

In support of the District's Operations and Maintenance, these specialized bridge repair contracts ensure access to District infrastructure by providing routine and priority repairs for District-owned bridges. Specialized bridge repairs support the continuing maintenance and operation of District structures by extending the useful life of our access bridges. The repairs are determined through previous bridge inspections and prioritized by District staff. On-call specialized bridge repair contracts will be utilized on an as needed basis.

Specialized Bridge Repair contracts will be for a 3-year period with two 1-year renewal options and are a piggyback on Florida Department of Transportation (FDOT) Contracts E4V65-R0 and E6O62-R0 for maintenance and repair of existing bridges. The 2 contractors associated with FDOT contracts are Bridge Masters Construction, LLC and P&P Contracting, Inc.

### **Additional Item Background:**

#### **Core Mission and Strategic Priorities:**

The specialized bridge repair contracts support the District's core missions of Flood Control, Water Supply, Water Quality and Ecosystem Restoration.

#### **Funding Source:**

The Specialized Bridge Repair Contracts will be funded through multiple fund sources as needed.

#### **Staff Contact and/or Presenter:**

Lucine Dadrian, [ldadrian@sfwmd.gov](mailto:ldadrian@sfwmd.gov), 561-682-2685

### **ATTACHMENTS:**

[Resolution No. 2023-1105](#)

# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Resolution No. 2023- 11XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a contract with Bridge Masters Construction, LLC and P&P Contracting, Inc. to provide specialized repairs on District bridges, using Florida Department of Transportation (FDOT) Contracts E4V65-R0 and E6O62-R0 for Maintenance and Repair of Existing Bridges, for three years with two 1-year extension options in the amount of \$5,000,000, for which dedicated state funding and ad valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board Approval of future years budgets and authorized to execute as needed.

**Contractor Name**

Bridge Masters Construction, LLC  
P&P Contracting, Inc.

**Contract No.**

4600004868  
4600004869

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to enter into specialized bridge repair contracts to maintain the integrity of bridge infrastructure and ensure access to District control structures and pump stations.

**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 a contract with Bridge Masters Construction, LLC and P&P Contracting, Inc. to provide specialized repairs on District bridges, using FDOT Contracts EV65-R0 and E6O62-R0 for Maintenance and Repair of Existing Bridges, for three years with two 1-year extension options in the amount of \$5,000,000, for which dedicated state funding and ad valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board Approval of years budgets and authorized to execute as needed.

**Contractor Name**

Bridge Masters Construction, LLC  
P&P Contracting, Inc.

**Contract No.**

4600004868  
4600004869

**Section 2.** This Resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 9<sup>th</sup> day of November, 2023.

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Candida Heater, Administrative Services, Budget Bureau

**DATE:** November 9, 2023

**SUBJECT:** Thomas Edison & Henry Ford Winter Estates Lease Extension at Fort Myers Service Center

### **Agenda Item Background:**

On December 12, 2011, the District entered a Lease Revenue Contract with the Thomas Edison & Henry Ford Winter Estates (TE&HFWE). During the term of the Lease, the Parties have amended the Lease several times to revise the Statement of Work, Payment Schedule and increase the revenue amount (A01, A02, A03, A04, and A05), to extend the period of performance and Terms and Conditions (A03), as well as to revise the Site Map (A01, A04, and A05) of the Lease. The last extension of the lease ends on December 31, 2023 and TE&HFWE has expressed a desire to extend the lease by two years with one additional optional year.

This request is to authorize a two-year extension of the Lease with one additional optional year to renew, to the existing Contract 4600002546 with TE&HFWE, revise the Payment Schedule, change the Project Manager and Contract Specialist, and adjust the revenue total amount to \$1,312,869.98.

### **Additional Item Background:**

#### **Core Mission and Strategic Priorities:**

This proposed lease extension supports the District's goal of balancing our annual budget by fully utilizing underused facilities and generating revenue. The General Services Section of the Administrative Services Division will be responsible for implementing this contract.

#### **Funding Source:**

Revenue Contract

#### **Staff Contact and/or Presenter:**

Theodore Towson, ttowson@sfwmd.gov, 561-682-6769  
Candida Heater, cheater@sfwmd.gov, 561-682-6486

### **ATTACHMENTS:**

[Resolution No. 2023-1106](#)

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2023 - 11XX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize an amendment to Contract 4600002546 with Thomas Edison & Henry Ford Winter Estates by extending the original Lease by two years, with one additional option year, for a total potential revenue amount of \$1,312,869.98. (Contract No. 4600002546-A06)**

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to authorize an amendment to contract 4600002546 with Thomas Edison & Henry Ford Winter Estates to extend the original twelve-year Lease by two additional years, with one additional option year, for a total revenue amount of \$1,312,869.98 and to update the Payment Schedule, the Project Manager and Contract Specialist. (Contract no. 4600002546-A06)

**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 approves the amendment to contract 4600002546 with Thomas Edison & Henry Ford Winter Estates to extend the Lease two additional years with one additional option year.

**Section 2.** This resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 9<sup>th</sup> day of November 2023.

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Lisa Koehler, Big Cypress Basin

**DATE:** November 9, 2023

**SUBJECT:** Fifth Amendment to Cooperative Agreement with Collier County

### **Agenda Item Background:**

Submitted for authorization and execution is the fifth amendment to the cooperative agreement with Collier County, Agreement No. C-11759, regarding the operation and maintenance of designated primary watercourses in Collier County. This amendment ensures continuous operation and maintenance of designated primary canals in Collier County that the District/Big Cypress Basin assumed responsibility for over 40 years ago. The current agreement expires in 2024 and the fifth amendment to the cooperative agreement will: (1) extend the termination date to September 30, 2034; (2) identify that the District through the Basin will be responsible for the design, construction, operation and maintenance of the two new structures (Gordon River and Palm River weirs) as well as removal of the existing structures, with the County continuing maintenance until construction commences for each project; (3) receive funding from Collier County in an amount of \$26 Million over a 5-year period for the construction, operation and maintenance for the new coastal structures; and (4) through the agreement, authorize the removal of canals and water control structures as need for the restoration in the Picayune Strand Restoration Project.

The Big Cypress Basin Board reviewed this agreement at their August 2023 meeting and requests Governing Board approval and execution of this amendment.

### **Additional Item Background:**

#### **Core Mission and Strategic Priorities:**

This Cooperative Agreement amendment supports the District's mission of providing flood control, protecting water resources and enhancing coastal resiliency.

#### **Funding Source:**

The \$26 Million over the five-year period in revenue will be added to the Big Cypress Basin funding.

#### **Staff Contact and/or Presenter:**

Lisa Koehler, lkoehler@sfwmd.gov, 239-263-7615 ext. 7603

### **ATTACHMENTS:**

[Resolution No. 2023-1107](#)

## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### Resolution No. 2023 - XXXX

**A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 10-year extension of a cooperative agreement with Collier County for the operation and maintenance of the primary flood control system in Collier County and to accept funding in the amount of \$26 Million over five years for the construction and operation of two new water control structures; providing an effective date. (Agreement No 360000019-A05/C-11759)**

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to extend the existing Cooperative Agreement with Collier County; and

**WHEREAS**, Collier County shall provide \$26 Million over a five-year period for the District to design, construct and operate two new water control structure which will improve coastal resiliency within Collier County; and

**WHEREAS**, this agreement acknowledges the necessary removal of canals and structures as a part of the Picayune Strand Restoration Project to hydrologically restore 55,000 acres of the Picayune State Forest.

**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 a 10-year extension of a cooperative agreement with the Collier County for the operation and maintenance of the primary flood control system in Collier County and to accept funding in the amount of \$26 Million over five years for the construction and operation of two new water control structures; providing an effective date. (Agreement No. 360000019-A05/C-11759)

**Section 2.** This Resolution shall take effect on November 09, 2023.

**PASSED and ADOPTED** this 9th day of November 2023.

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Rich Virgil, Field Operations Division

**DATE:** November 9, 2023

**SUBJECT:** Pump Station S-9 Main Engine Refurbishment Project, Ft. Lauderdale Field Station Area of Responsibility, Broward County

### **Agenda Item Background:**

As part of the Operations and Maintenance Capital Improvement Plan, the S-9 Pump Station Main Engine Refurbishment Project, located in Broward County, is part of the annual Operations and Maintenance Pump and Engine Overhaul Program. Pantropic Power, Inc., will provide all equipment, materials, and labor necessary to refurbish the 3 main engines at the S-9 Pump Station. The purpose of the structure is to pump excess water into Water Conservation Area 3A (WCA-3A) via the C-11 Extension Canal from the Western C-11 Basin and to assist Pump Station S-9A to pump seepage under the L-33 and L-37 Levees back into WCA-3A.

The S-9 pump station was constructed in 1956, and the station was repowered with new engines in 1990. Deficiencies were found during a recent inspection conducted by District staff indicating the need for the refurbishment. The purpose of the project is to refurbish and modernize three (3) Caterpillar Series 3606 Diesel Engines each rated at 2,000 horsepower. Pantropic Power, Inc., is the authorized representative of Caterpillar Corp, who is the original equipment manufacturer; therefore, this contract will be executed through a special procurement under Section 155-6, South Florida Water Management District's Policies and Procedures. This policy provides that licensing, warranty, compatibility requirements that limit the selection to the manufacturer, including purchases of parts, repairs, or maintenance services for field equipment from the original equipment manufacturer, seller, or authorized repair facility (e.g., pumps generators, and specialized field equipment) are exempt from competition.

This project will refurbish one engine in the first fiscal year and two engines in the second fiscal year. Each refurbishment will take place during the dry season, with an estimated 2 months out of service. The work will need to be scheduled in conjunction with other activities taking place at the same time, such as the refurbishment of the main pumps and gearboxes. Therefore, the work is anticipated to take place over a two-year period. All available resources will be utilized to shorten the project schedule to one dry season, if possible. The project efforts include modernization, replacement and/or refurbishment of all major components to ensure an additional 20 years of uninterrupted service; increased engine efficiency; and ensures continued reliability of the pump station to perform its intended functions by reducing the potential for a catastrophic failure of the engines.

### **Additional Item Background:**

#### **Core Mission and Strategic Priorities:**

The S-9 Pump Station Main Engine Refurbishment Project supports the District's missions of

flood control, water supply, water quality and ecosystem restoration.

**Staff Contact and/or Presenter:**

Rich Virgil, [rvirgil@sfwmd.gov](mailto:rvirgil@sfwmd.gov), 561-682-6759

**ATTACHMENTS:**

[Resolution No. 2023-1108](#)

[Backup Presentation](#)

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2023 - XXXX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 730-day contract with Pantropic Power, Inc., for the Pump Station S-9 Main Engine Refurbishment Project in an amount not-to-exceed \$ 4,992,850.59 of which \$ 4,992,850.59 in dedicated funds (Land Acquisition Trust Fund) is budgeted in Fiscal Year 2023-2024 Adopted Budget; providing an effective date. (Purchase Order No. 4500145208)**

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to authorize entering into a contract with Pantropic Power, Inc., the authorized representative of Caterpillar Corp. (the original equipment manufacturer), for the refurbishment of three 2,000 horsepower diesel engines at Pump Station S-9 in an amount not-to-exceed \$4,989,952.39 of which \$ 4,992,850.59 in dedicated funds (Land Acquisition Trust Fund) is budgeted in Fiscal Year 2023-2024 Adopted Budget.

**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 a contract with Pantropic Power, Inc., for the refurbishment of three 2,000 horsepower diesel engines at Pump Station S-9 in an amount not-to-exceed \$ 4,992,850.59. (Purchase Order No. 4500145208)

**Section 2.** This Resolution shall take effect immediately upon adoption.

**PASSED and ADOPTED** this 9th day of November 2023.

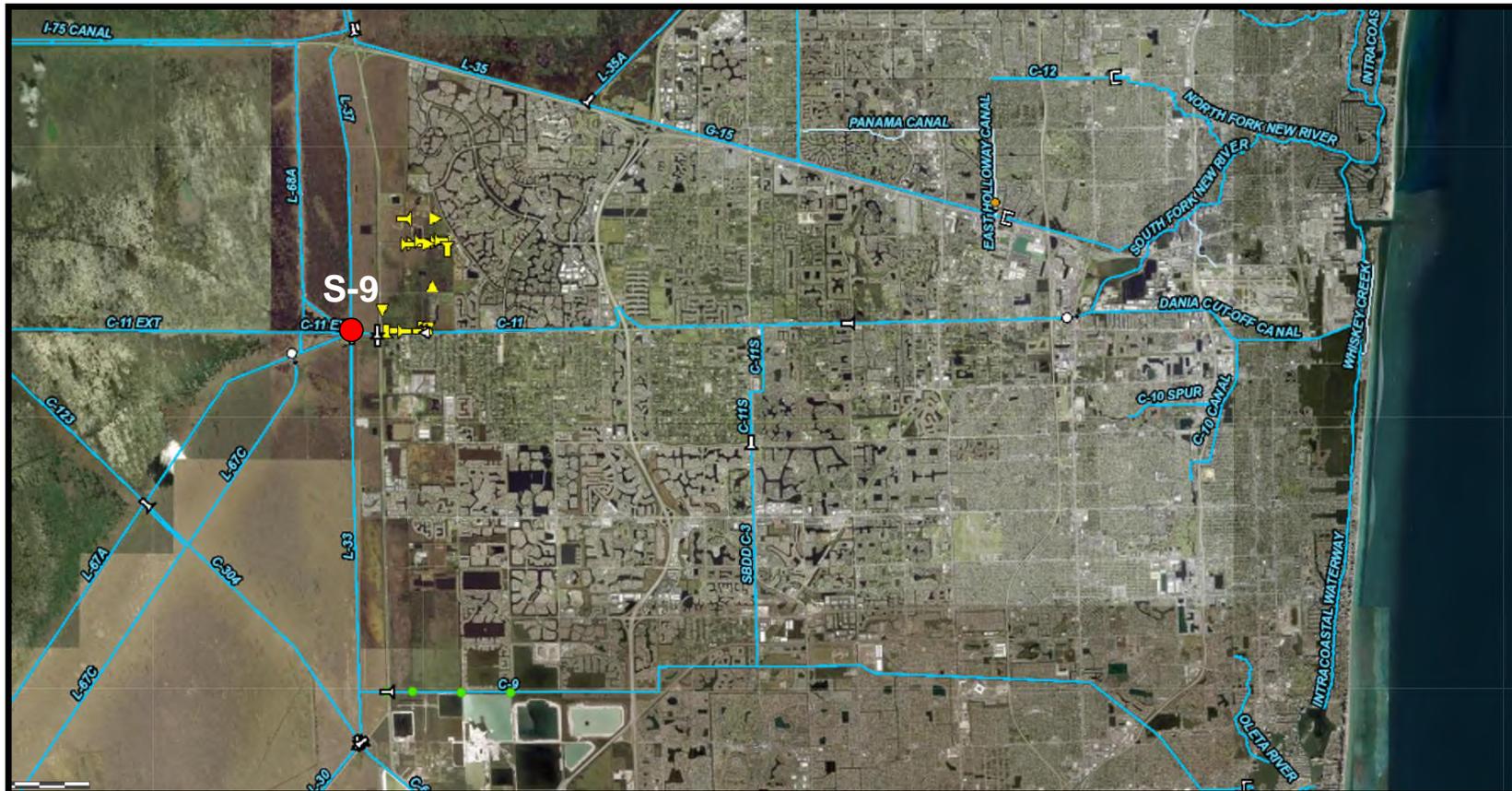
# Pump Station S-9 Main Engine Refurbishment Project



**Rich Virgil, P. E., PMP**  
Division Director, Field Operations  
South Florida Water Management District  
Governing Board Meeting: November 9, 2023

[sfwmd.gov](http://sfwmd.gov)

# Location Map



Presenter: Rich Virgil 2

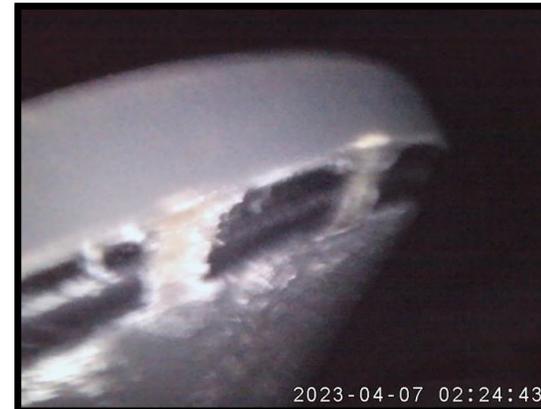
# Background

- S-9 (Western C-11 Basin Flood Control)
  - Three engine (Series 3606 Caterpillar)
  - Rated 2,000 horsepower each
  - Installation dated 1990
- Borescope Inspections conducted identified significant scoring of several cylinders on each engine, cracked cylinder heads and malfunctioning intake and exhaust valves.

Significant  
Cylinder Scoring



Damaged  
Exhausts Valve



# Background

- Overhaul and modernize three (3) Caterpillar Series 3606 Diesel Engines, rated at 2,000 horsepower at Pump Station S-9.
- Performing the refurbishments of the engines is necessary to maintain the equipment and ensure the pump stations function as intended.
- Pantropic Power Inc. will provide all equipment, materials, and labor necessary to refurbish the 3 main engines at the S-9 Pump Station.



# Procurement Summary

- To ensure the highest quality product the decision was made to contract with the Caterpillar the original equipment manufacturer (OEM) for S-9 Engine Refurbishment Project.
- District staff conducted a multitude of inspections and testing of each engine to determine the level of refurbishment needed.
- District staff conducted site visits, held several meetings and negotiated with Pantropic Power to ensure the scope of work was accurate and cost proposal fair and reasonable.



## MEMORANDUM

**TO:** Governing Board Members  
**FROM:** Ray Palmer, Real Estate  
**DATE:** November 9, 2023  
**SUBJECT:** Release of Reservations

### **Agenda Item Background:**

The District has certain reserved rights to construct canal and road right of ways. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need for the reservations. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a value equal to three percent of the appraised value of the land on the Property Appraiser's website in the County where the property is located.

Staff evaluated the properties' size and location for future flood control and reclamation purposes related to water storage and conveyance. Lake Worth Drainage District owns the adjacent canal and has retained property interests to widen the canal. Regarding storage, the District owns significant parcels in Palm Beach County adjacent to works of the District.

This storage opportunity was further evaluated with respect to the specific development being proposed on the property. The subject properties will each have 60% greenspace set aside as required by county rules. Additionally, to protect that greenspace, a conservation easement will be recorded in favor of Palm Beach County and the District will be named as a beneficiary. This greenspace set aside provides for pervious infiltration and storage in and on the landscape and inherently provides for more on site retention and green infrastructure water management in the area. The remainder of the property would be permitted pursuant to Environmental Resource Permit stormwater management requirements.

Therefore, given that Lake Worth Drainage District flood control needs have been reserved, coupled with the nature of the development and requisite conservation easement, District staff recommends release of the reservations.

### **Palm Beach County**

- Release District canal and road reservations for Barbara M. Logan, Trustee of the Barbara M. Logan Revocable Trust dated August 22, 2007; Cecily DeReuil Fazio and James J. DeReuil, Co-Trustees of the Barbara R. DeReuil Revocable Trust Agreement dated October 6, 2009, and David M. Bargas, Nancy L. Jankovsky and Susan J. Griffin, Co-Trustees of the John Bargas Trust dated March 10, 2004 (File No. 18932) for 39.24+/- acres; subject to release value payment in the amount of \$249,702.57
- Release District canal and road reservations for Patricia A. Mazzoni and Thomas A. Smith, Co-Trustees of the William A. Mazzoni Revocable Trust dated June 4, 1992 (File No. 18935) for 92.66+/- acres; subject to release value payment in the amount of \$645,956.04

**Additional Item Background:**

See Memorandum Exhibit "A" and maps attached hereto and made a part hereof, which contain the details and location of the releases to be issued.

**Core Mission and Strategic Priorities:**

Pursuant to Section 373.096 of the Florida Statutes, the Governing Board of the District may issue a release for any reservation under terms and conditions determined by the Governing Board.

**Staff Contact and/or Presenter:**

Ray Palmer, rpalmer@sfwmd.gov, 561-682-2246

**ATTACHMENTS:**

[Memorandum Exhibit "A"](#)

[Resolution No. 2023-1109](#)

[Resolution Exhibit "A"](#)

[Maps](#)

[Erickson Preserve Areas Map](#)

**MEMORANDUM – EXHIBIT “A”**

**Palm Beach County**

File No: 18932  
Applicant: Barbara M. Logan, Trustee of the Barbara M. Logan Revocable Trust dated August 22, 2007; Cecily DeReuil Fazio and James J. DeReuil, Co-Trustees of the Barbara R. DeReuil Revocable Trust Agreement dated October 6, 2009, and David M. Bargas, Nancy L. Jankovsky and Susan J. Griffin, Co-Trustees of the John Bargas Trust dated March 10, 2004  
Reserving Deeds: E-2851 (DB 714-157, 4/12/1945) T-2232 (DB 332-339, 10/15/1925) T-4303 (DB 381-109, 3/31/1926) T-5205 (DB 425-80, 6/22/1927)  
Application Fee Paid: \$250.00  
Release Value: \$249,702.57 (unpaid)  
Action: Release District canal and road reservations, subject to payment of \$249,702.57 for release of District real property interests  
Acres: 39.24 acres, more or less  
Legal Description: Portions of Tracts 7, 8, 25, 26, 39, 40, 57 and 58, BLOCK 54, PALM BEACH FARMS COMPANY PLAT NO. 3, PB 2-45, Section 29, Township 45 South, Range 42 East  
Location: 11275 Acme Dairy Road, Boynton Beach, Palm Beach County  
Reviewed By: Real Estate Bureau; Field Operations Division; Water Supply Development Section; Right of Way Section; Environmental Recourse Permitting Bureau; Ecosystem Restoration Division; Engineering, Construction and Modeling Division; Office of Counsel, and Lake Worth Drainage District

File No: 18935  
Applicant: Patricia A. Mazzoni and Thomas A. Smith, Co-Trustees of the William A. Mazzoni Revocable Trust dated June 4, 1992  
Reserving Deeds: E-516 (DB 685-589, 4/15/1944) E-2851 (DB 714-157, 4/12/1945) E-4634 (DB 747-247, 1/29/1946) E-4634C (DB 781-402, 9/19/1946)  
Application Fee Paid: \$250.00  
Release Value: \$645,956.04 (unpaid)  
Action: Release District canal and road reservations, subject to payment of \$645,956.04 for release of District real property interests  
Acres: 92.66 acres, more or less  
Legal Description: Portions of Tracts 2 through 6; 27 through 31; 34 through 38, and 59 through 63, Block 54, THE PALM BEACH FARMS CO. PLAT NO. 3, PB 2-45, Section 29, Township 45 South, Range 42 East  
Location: 8344 Boynton Beach Blvd., Boynton Beach, Palm Beach County  
Reviewed By: Real Estate Bureau; Field Operations Division; Water Supply Development Section; Right of Way Section; Environmental Recourse Permitting Bureau; Ecosystem Restoration Division; Engineering, Construction and Modeling Division; Office of Counsel, and Lake Worth Drainage District

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2023 - 10XX**

**A Resolution of the Governing Board of the South Florida Water Management District to release certain canal and road reservations following execution of an agreement designating the District as a beneficiary of a recorded conservation easement pertaining to the property; providing an effective date.**

**WHEREAS**, the applicant has requested that the South Florida Water Management District release certain District canal and road reservations; and

**WHEREAS**, the District is empowered to grant such releases pursuant to Section 373.096, Florida Statutes, under terms and conditions determined by the Governing Board.

**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 approves the release of certain canal and road reservations following execution of an agreement designating the District as a beneficiary of a recorded conservation easement pertaining to the property. The property is described in Resolution Exhibit "A" attached hereto and made a part hereof.

**Section 2.** This Resolution shall take effect immediately upon adoption.

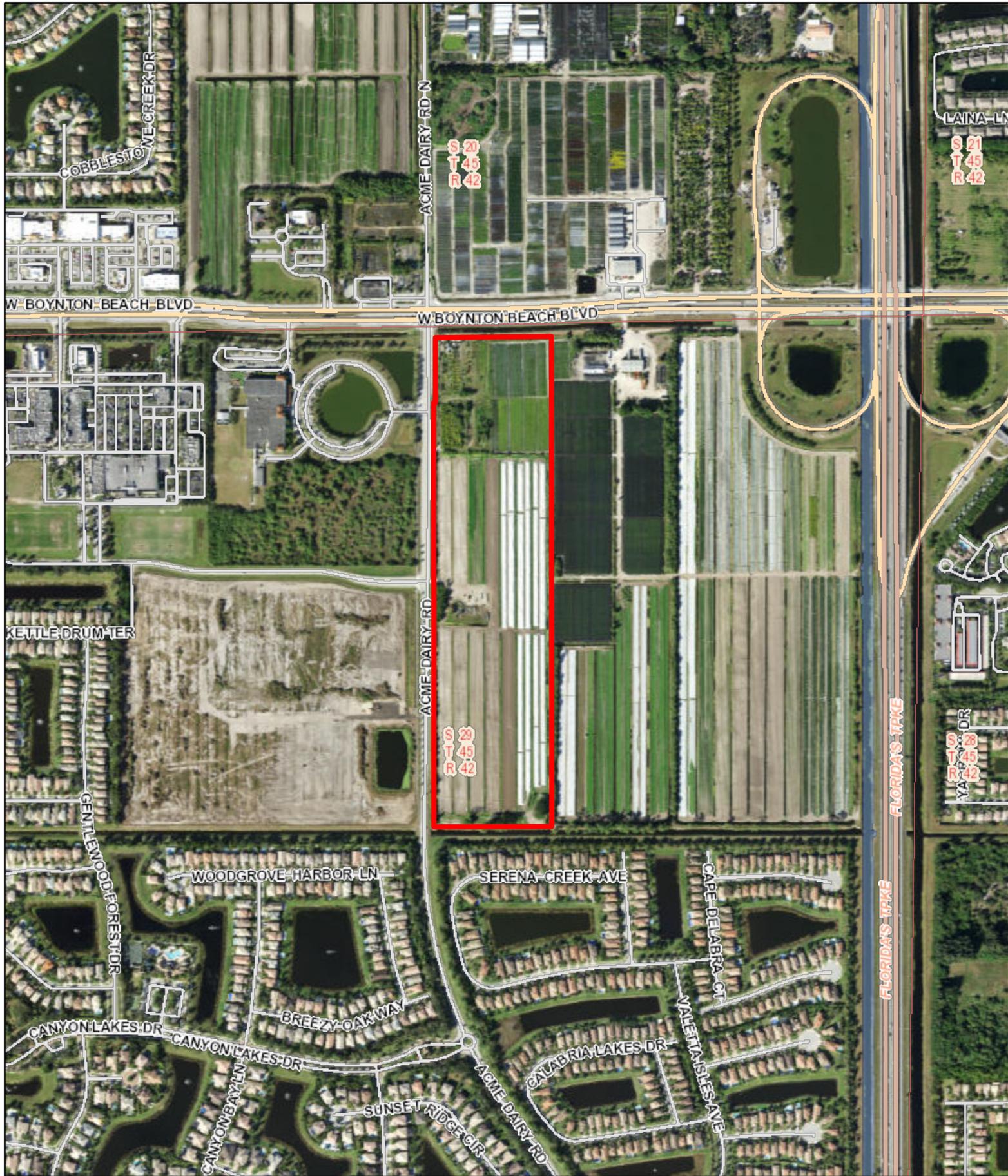
**PASSED** and **ADOPTED** this 9<sup>th</sup> day of November, 2023.

## RESOLUTION – EXHIBIT “A”

### Palm Beach County

File No: 18932  
Applicant: Barbara M. Logan, Trustee of the Barbara M. Logan Revocable Trust dated August 22, 2007; Cecily DeReuil Fazio and James J. DeReuil, Co-Trustees of the Barbara R. DeReuil Revocable Trust Agreement dated October 6, 2009, and David M. Bargas, Nancy L. Jankovsky and Susan J. Griffin, Co-Trustees of the John Bargas Trust dated March 10, 2004  
Reserving Deeds: E-2851 (DB 714-157, 4/12/1945) T-2232 (DB 332-339, 10/15/1925) T-4303 (DB 381-109, 3/31/1926) T-5205 (DB 425-80, 6/22/1927)  
Release Value: \$249,702.57 (unpaid)  
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Acres: 39.24 acres, more or less  
Legal Description: Portions of Tracts 7 ,8 ,25, 26, 39, 40, 57 and 58, BLOCK 54, PALM BEACH FARMS COMPANY PLAT NO. 3, PB 2-45, Section 29, Township 45 South, Range 42 East  
Location: 11275 Acme Dairy Road, Boynton Beach, Palm Beach County

File No: 18935  
Applicant: Patricia A. Mazzoni and Thomas A. Smith, Co-Trustees of the William A. Mazzoni Revocable Trust dated June 4, 1992  
Reserving Deeds: E-516 (DB 685-589, 4/15/1944), E-2851 (DB 714-157, 4/12/1945), E-4634 (DB 747-247, 1/29/1946) and E-4634C (DB 781-402, 9/19/1946)  
Release Value: \$645,956.04 (unpaid)  
Action: Release District canal and road reservations, subject to payment of \$645,956.04 for release of District real property interests  
Acres: 92.66 acres, more or less  
Legal Description: Portions of Tracts 2 through 6; 27 through 31; 34 through 38, and 59 through 63, Block 54, THE PALM BEACH FARMS CO. PLAT NO. 3, PB 2-45, Section 29, Township 45 South, Range 42 East  
Location: 8344 Boynton Beach Blvd, Boynton Beach, Palm Beach County



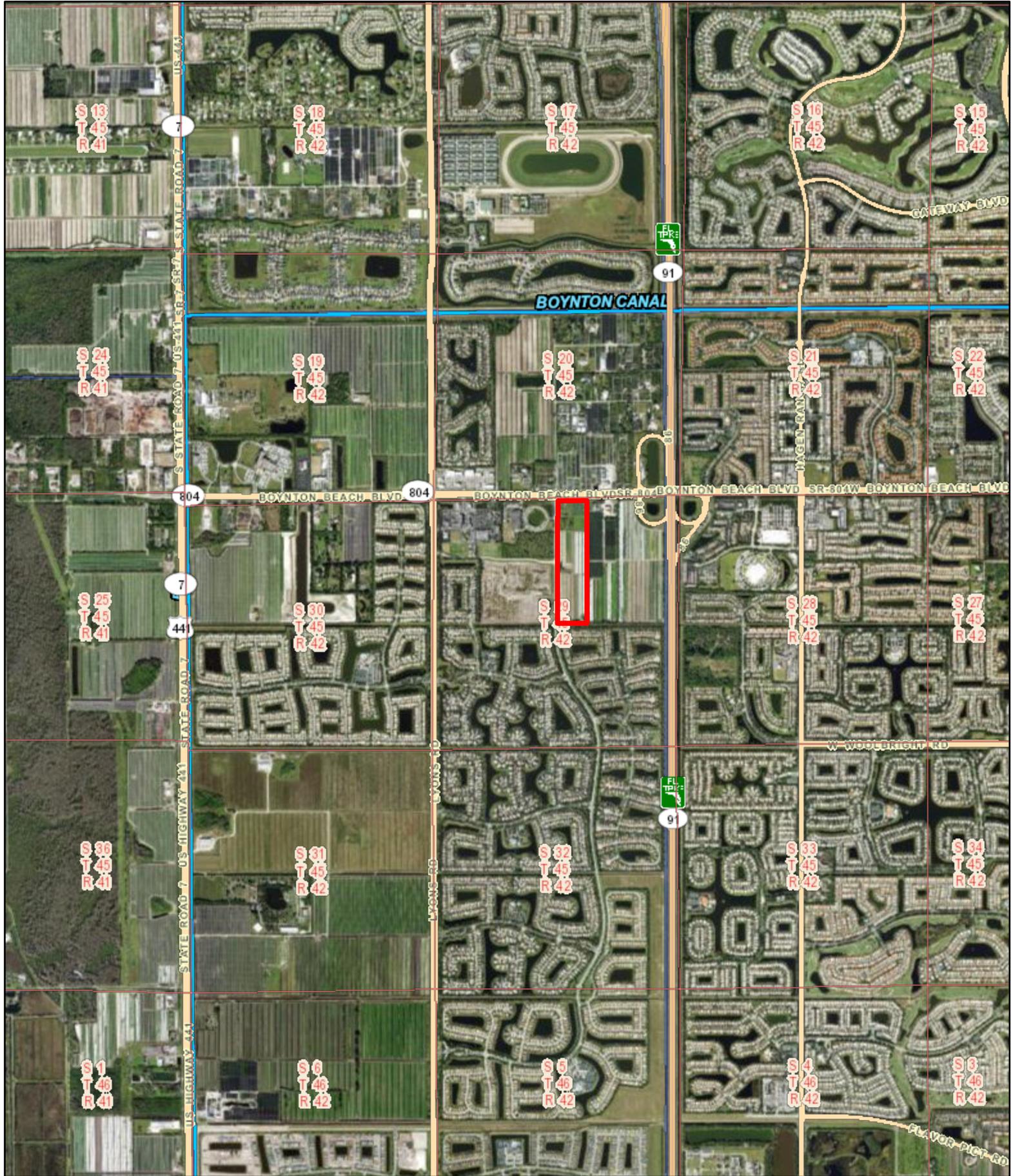
18932



South Florida Water Management District  
 3301 Gun Club Road, West Palm Beach, Florida 33406  
 561-686-8800; www.sfwmd.gov



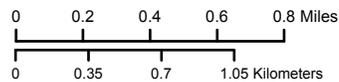
DISCLAIMER:  
 This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property and is exempt from public records disclosure and confidential under Section 119.071(3)(a)(1), Florida Statute.



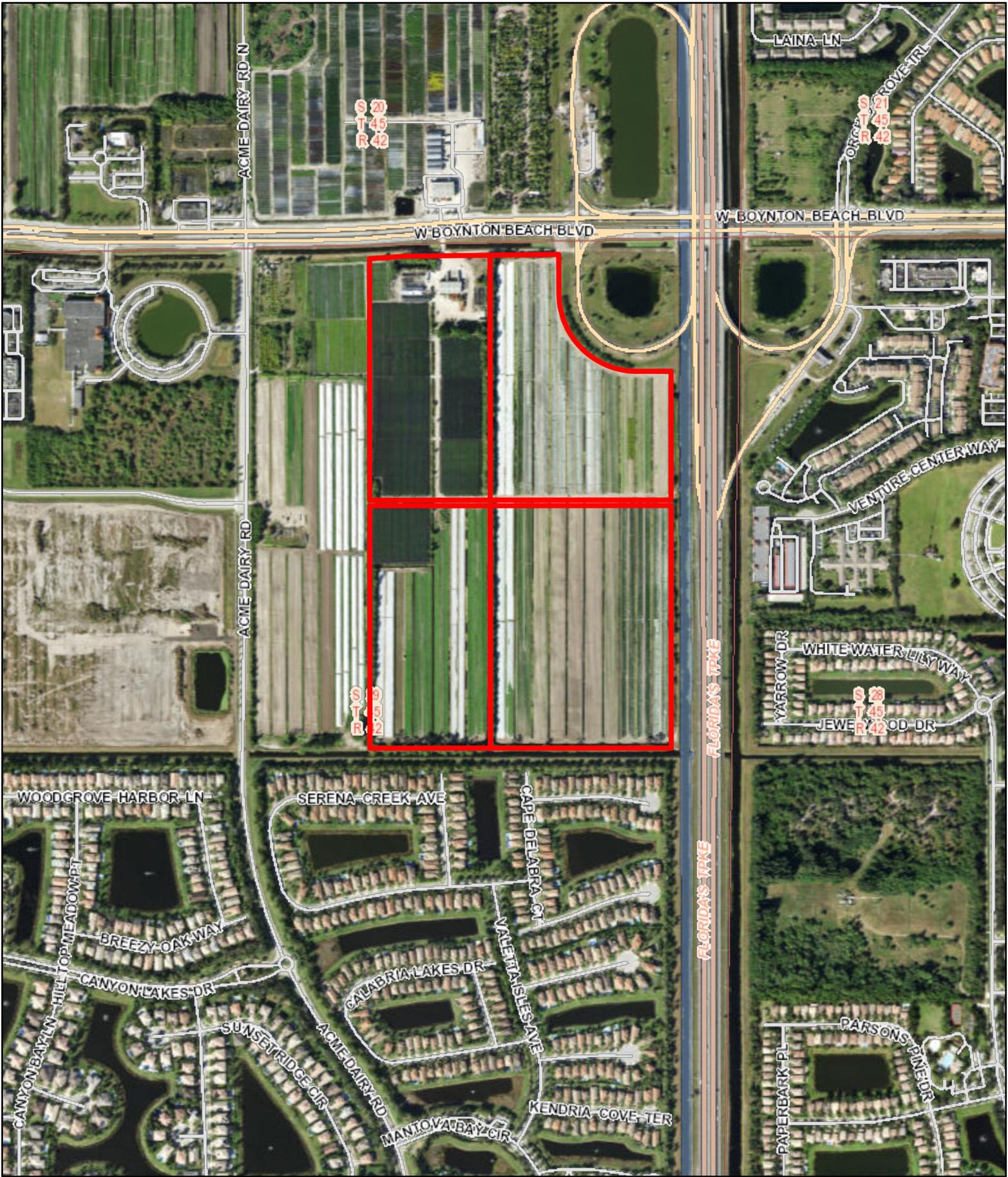
18932



South Florida Water Management District  
 3301 Gun Club Road, West Palm Beach, Florida 33406  
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18935

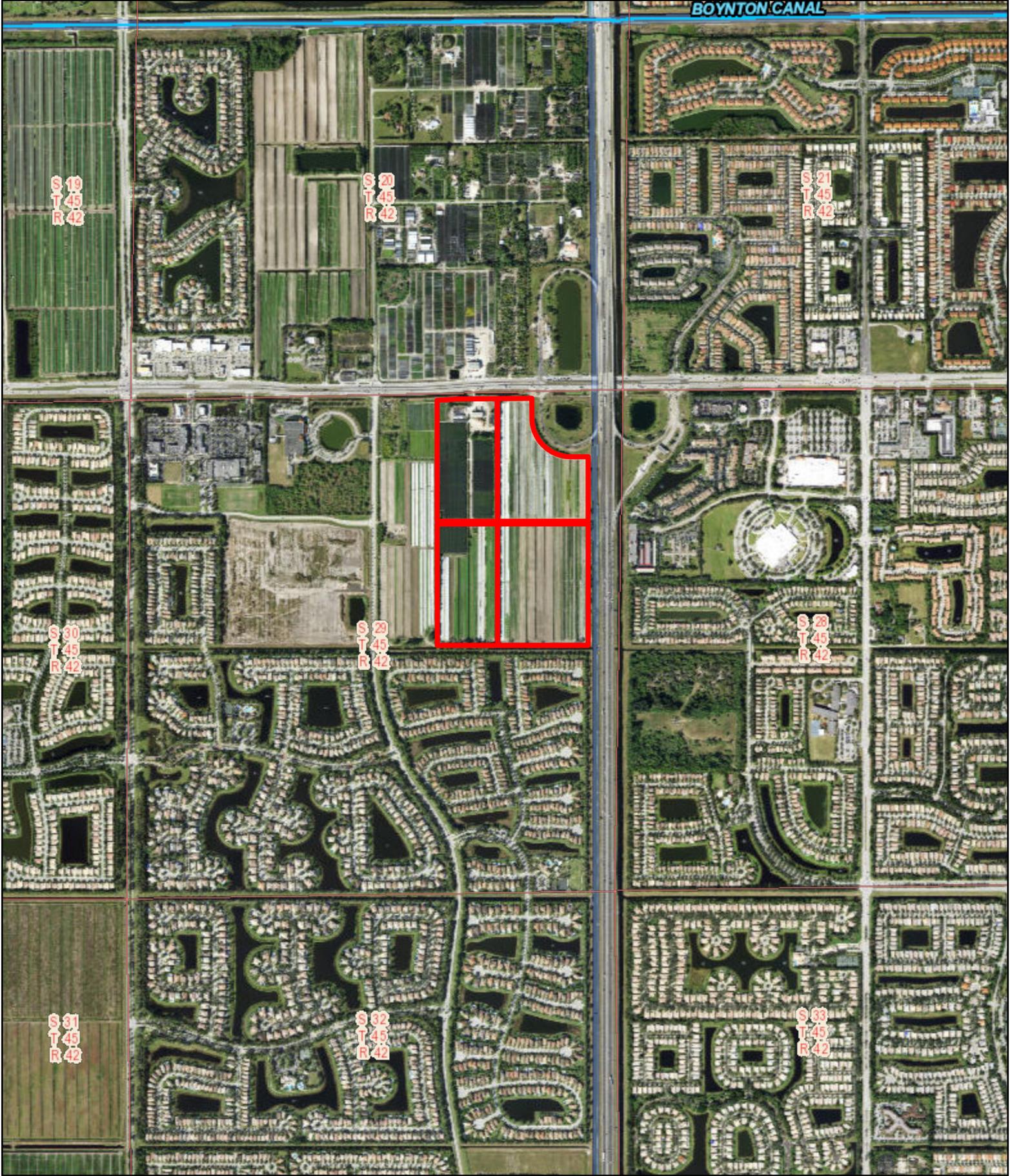


South Florida Water Management District  
 3301 Gun Club Road, West Palm Beach, Florida 33406  
 561-686-8800; www.sfwmd.gov



DISCLAIMER:

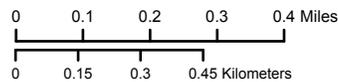
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18935

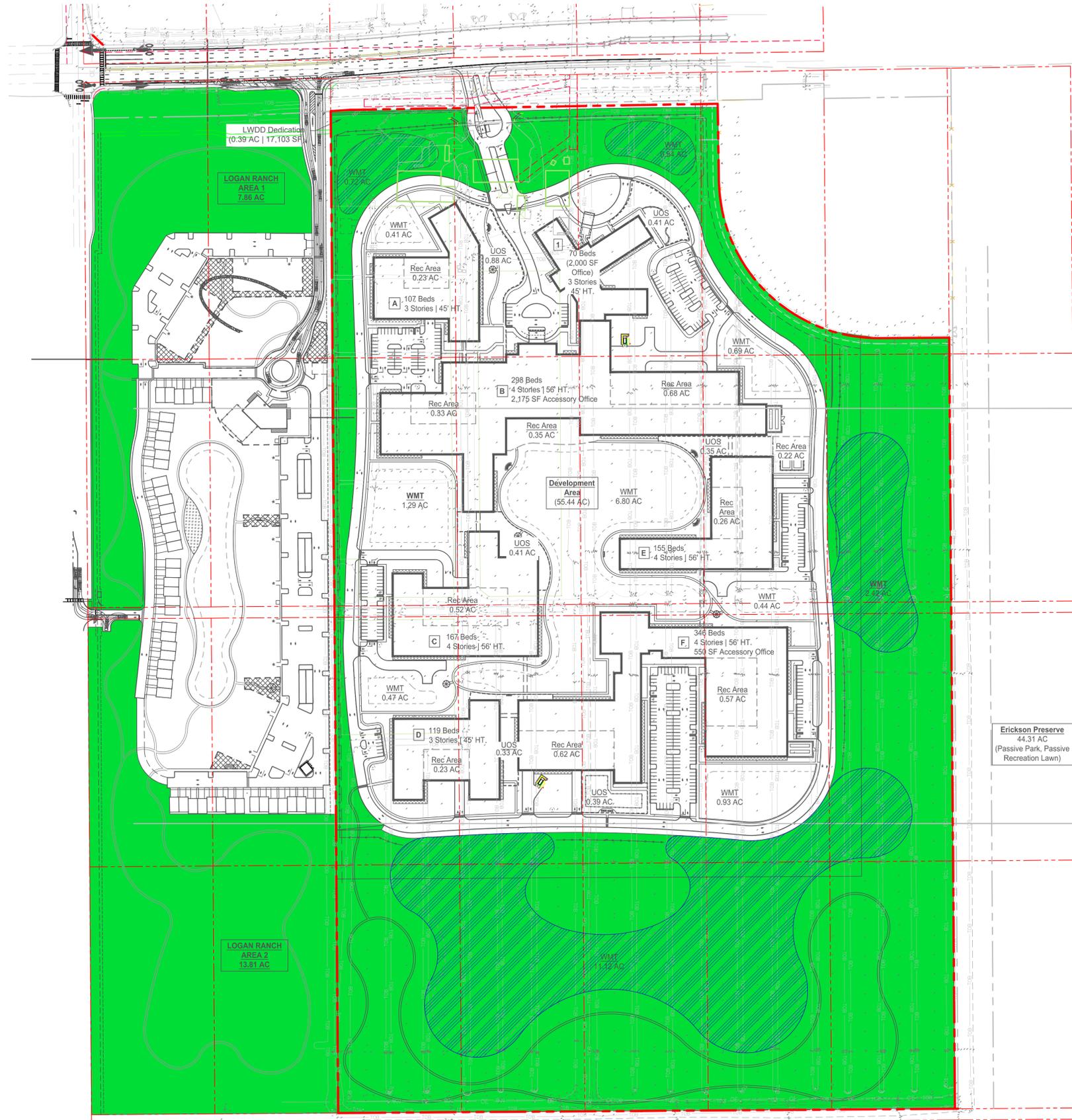


South Florida Water Management District  
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This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



ERICKSON				
LAKES	Area (Acres)	Avg. Elev.	CW Elev.	Storage (ac ft)
LAKE 1	0.72	16.5	14.5	1.44
LAKE 2	0.54	17.5	14.5	1.62
LAKE 3	2.42	16.8	14.5	5.57
LAKE 4	11.12	16.8	14.5	25.58
			<b>SUB TOTAL:</b>	34.20
PRESERVE- NOT INCLUDING LAKES	Area (Acres)	Avg. Elev.	CW Elev.	Storage (ac ft)
	29.513	16.8	14.5	67.88
			<b>SUB TOTAL:</b>	67.88
LOGAN RANCH				
AREA 1	Area (Acres)	Avg. Elev.	CW Elev.	Storage (ac ft)
AREA 1	7.86	17	14.5	19.65
AREA 2	13.81	16.6	14.5	29.00
			<b>SUB TOTAL:</b>	48.65
			<b>TOTAL STORAGE (ac ft):</b>	150.73

No.	REVISIONS	DATE	BY

**Kimley»Horn**  
 1920 MEVIA WAY SUITE 200, WEST PALM BEACH, FL 33411  
 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT: 248036002  
 LICENSED PROFESSIONAL: \_\_\_\_\_  
 DATE: OCTOBER 2023  
 SCALE: AS SHOWN  
 DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: MFS DATE: \_\_\_\_\_

**PRESERVE AREAS**

ERICKSON BOYNTON  
 BEACH BLVD  
 PREPARED FOR  
 ERICKSON LIVING, LLC  
 UNINCORPORATED, PALM BEACH COUNTY

SHEET NUMBER  
**EX-1**

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Stacey Payseno, Water Resources Division

**DATE:** November 9, 2023

**SUBJECT:** FY2024-2025 Alternative Water Supply Funding Program

### **Agenda Item Background:**

This item includes a presentation of the upcoming Fiscal Year 2024-2025 Alternative Water Supply Funding Program (Program) which includes an overview and a tentative schedule for implementation. The Program's purpose is to provide financial incentives through matching grants for local alternative water supply and water conservation projects. No action is required at this time.

### **Additional Item Background:**

Water resource and water supply development projects help to protect our water resources and ensure that the needs of existing and future users are met. In recognition of this, the State's past five fiscal year budgets have included a total of \$230 million in statewide cost-share funding to support development of alternative water supply projects. The Florida Department of Environmental Protection (DEP) administers this funding and relies on a priority list of projects submitted by each of the State's water management districts for funding allocations. The District will release an application for interested parties to apply for funding consideration between December 2023 and February 2024 for the FY24-25 cycle. The DEP issued an Alternative Water Supply Funding Guidance document in June 2020 that requests the water management districts provide a list of projects to them for funding consideration each May, in anticipation of Alternative Water Supply funding being approved in the State's next fiscal year's budget.

### **Core Mission and Strategic Priorities:**

This program supports the District's water supply core mission, and alternative water supply and water conservation strategic priorities.

### **Funding Source:**

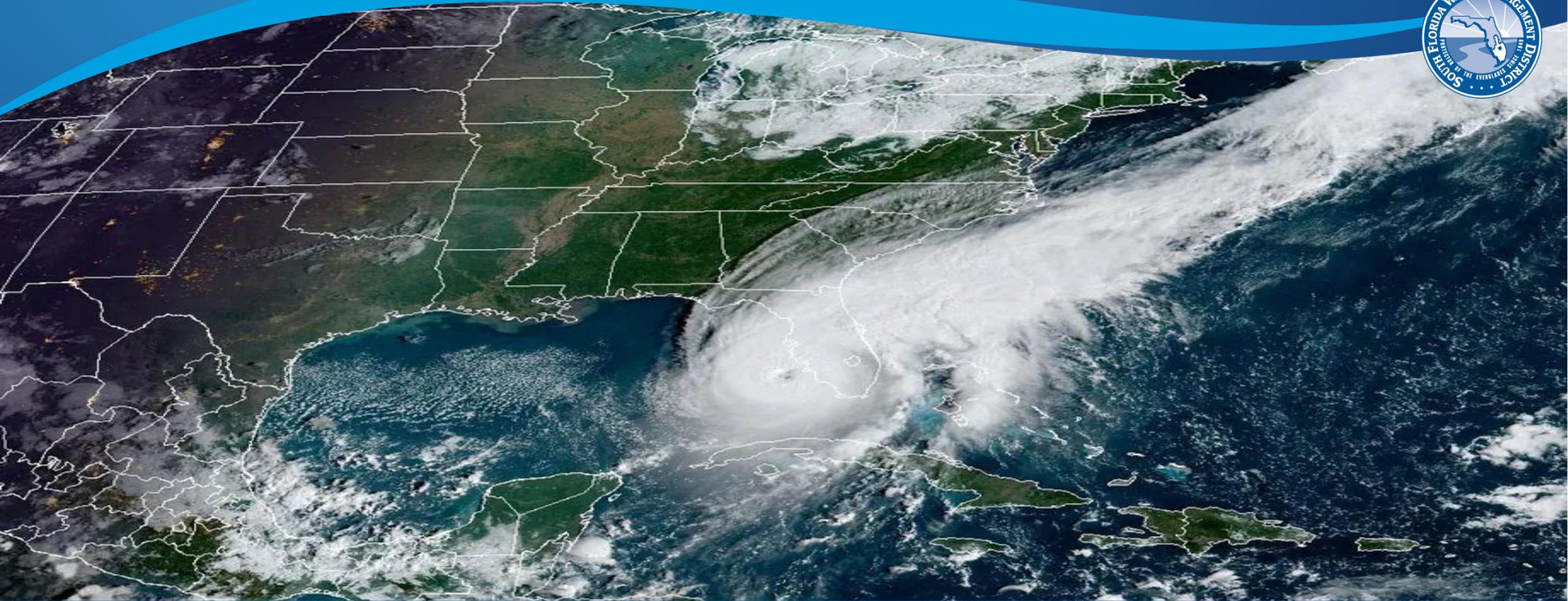
Anticipated recurring state appropriations as outlined in Executive Order 23-06 (Achieving Even More Now for Florida's Environment) for alternative water supply and water conservation projects in the State's Fiscal Year 2024-2025 budget. If there are no state appropriations for alternative water supply funding approved, there will be no cost to the District. If funding is allocated through the Water Protection and Sustainability Program, the District is required to provide 100% match funding.

### **Staff Contact and/or Presenter:**

Stacey Payseno, spayseno@sfwmd.gov, 561-682-2577

### **ATTACHMENTS:**

# Successful Collaboration with Partners to Respond to Hurricane Ian



**PRESENTED BY:**

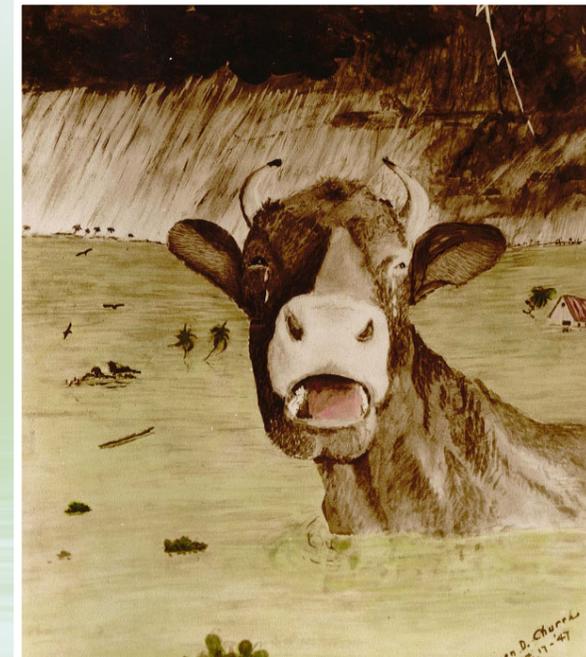
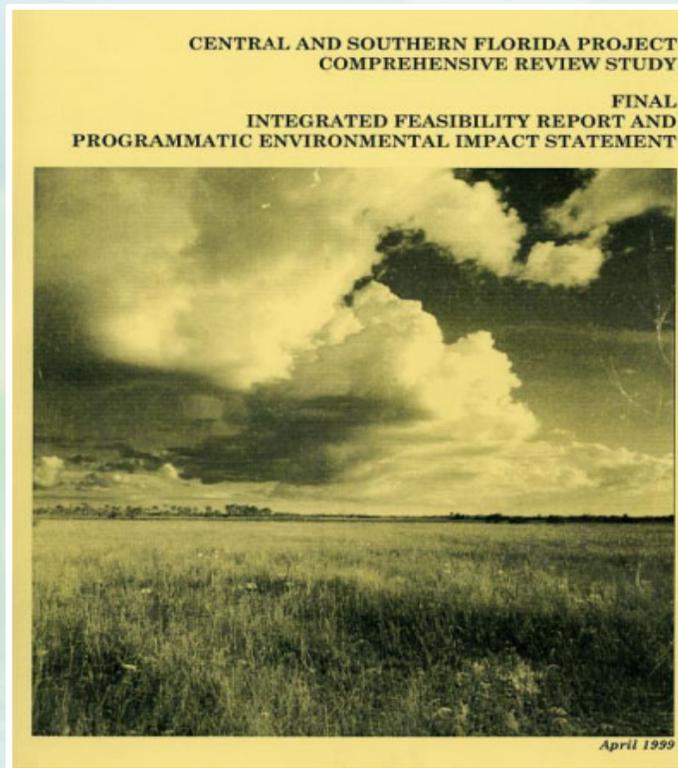
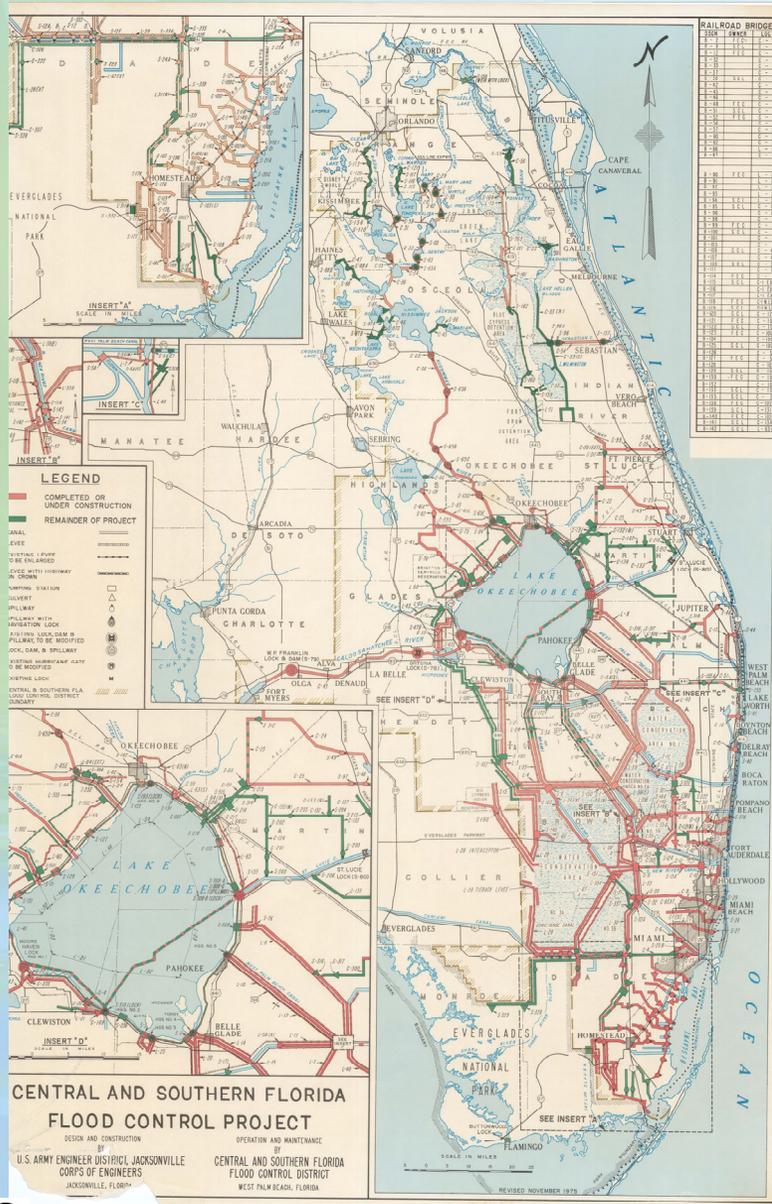
Drew Bartlett

Executive Director

South Florida Water Management District

November 9, 2023

# Your Water Management District

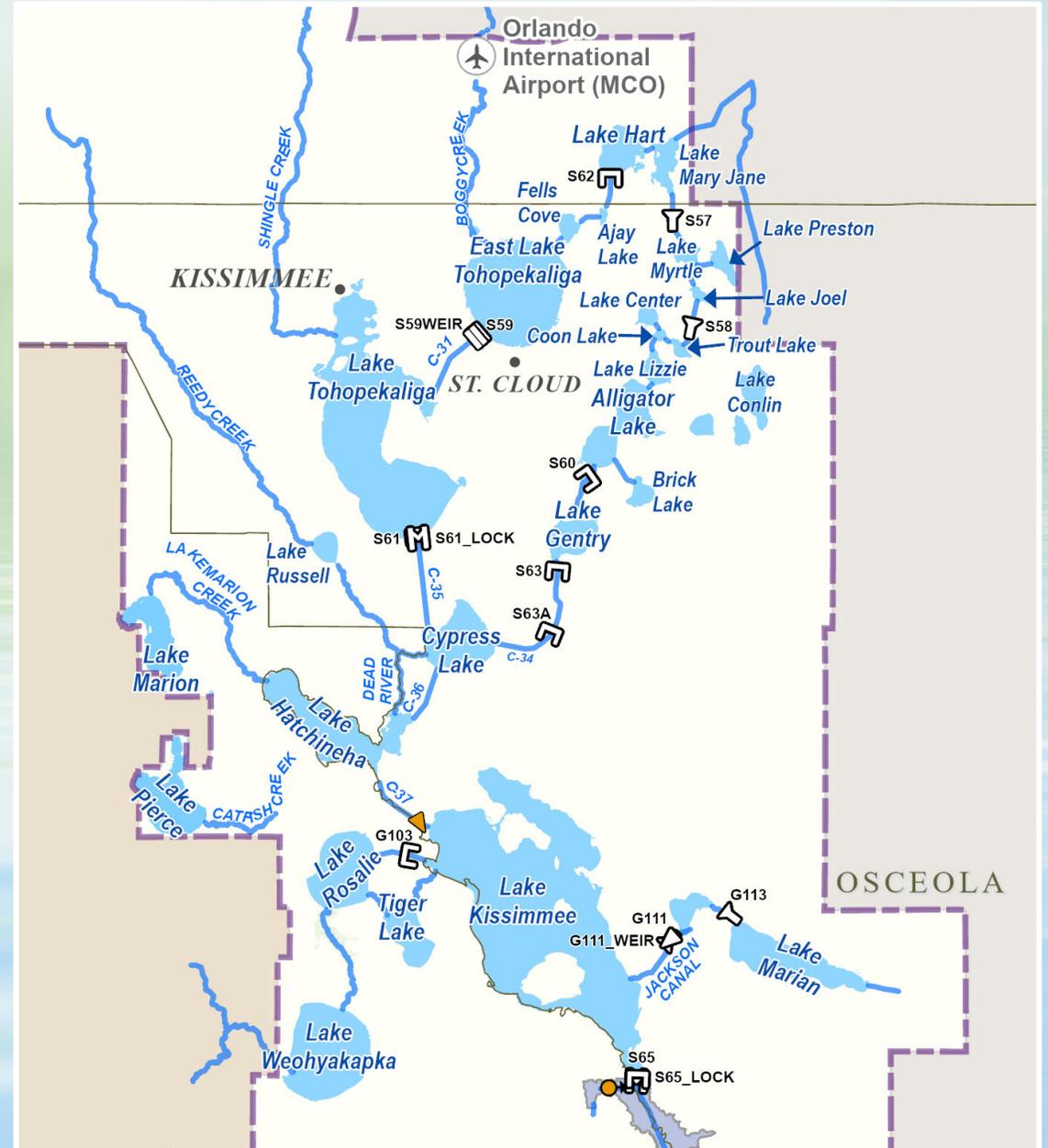
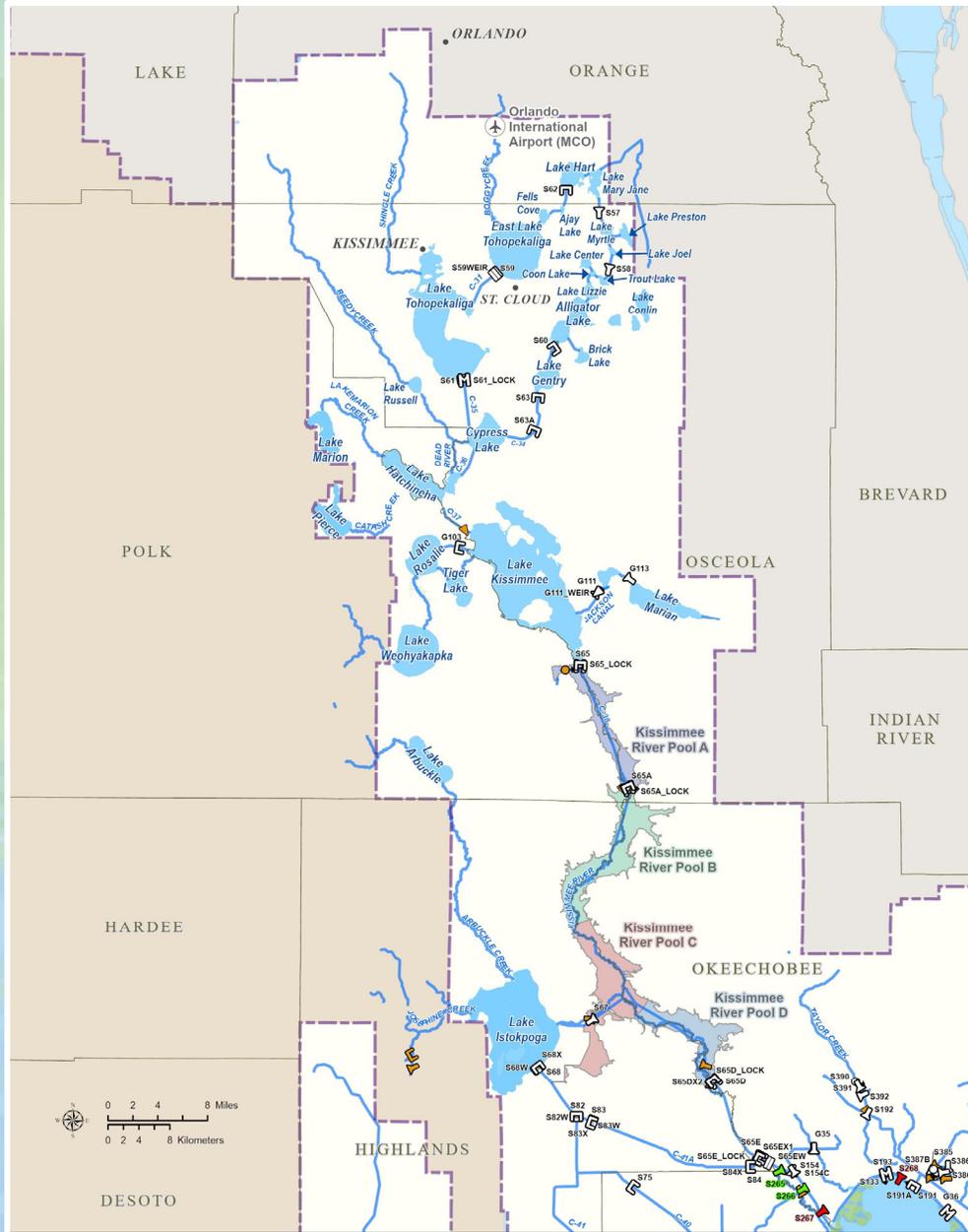


TENTATIVE REPORT OF FLOOD DAMAGE FLORIDA EVERGLADES DRAINAGE DISTRICT 1947

*Our mission: To safeguard and restore South Florida's water resources and ecosystems, protect our communities from flooding, and meet the region's water needs while connecting with the public and stakeholders.*



# Headwaters of the C&SF System



# Northern Projects



Eagle Haven Ranch



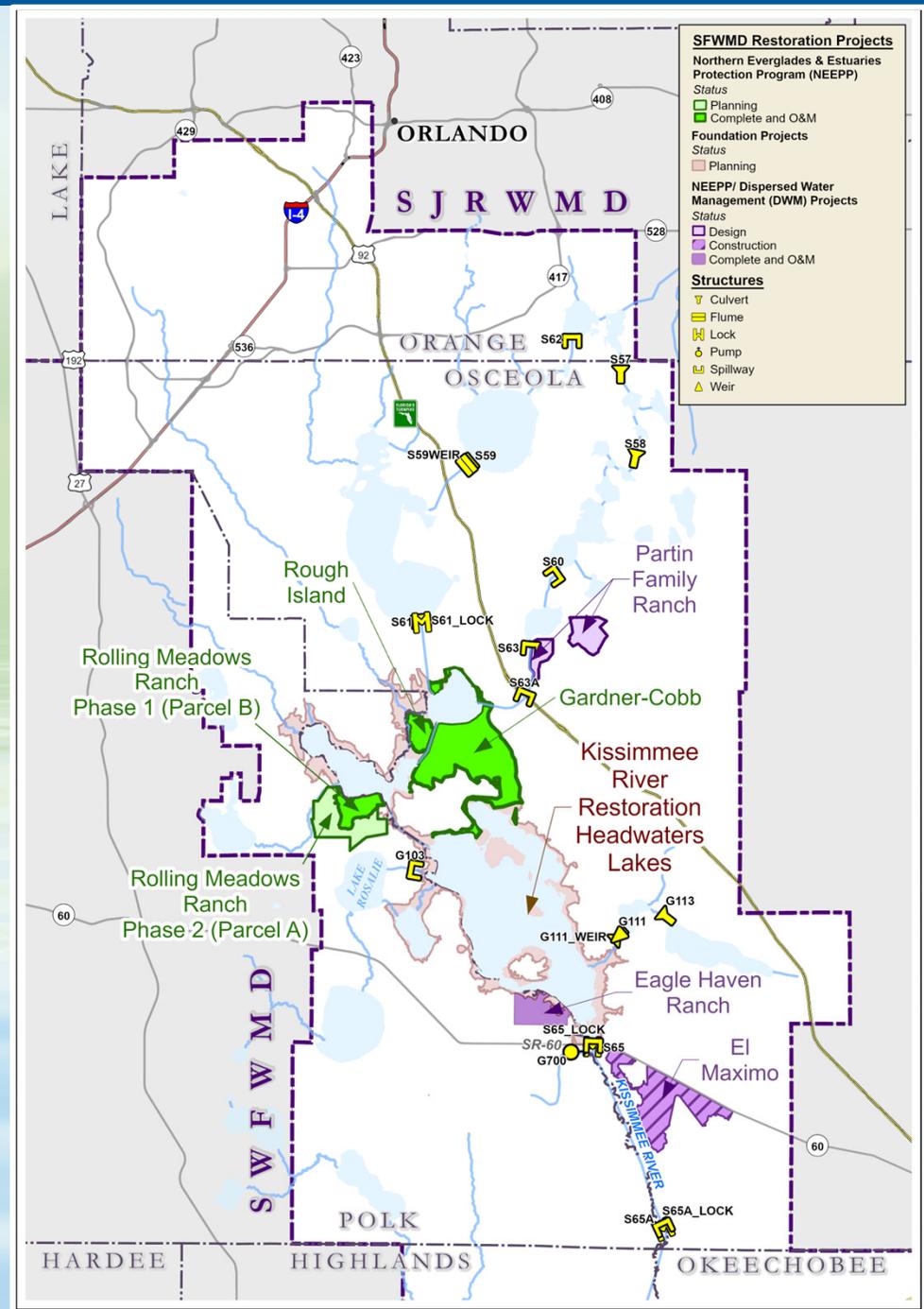
El Maximo



Partin Family Ranch



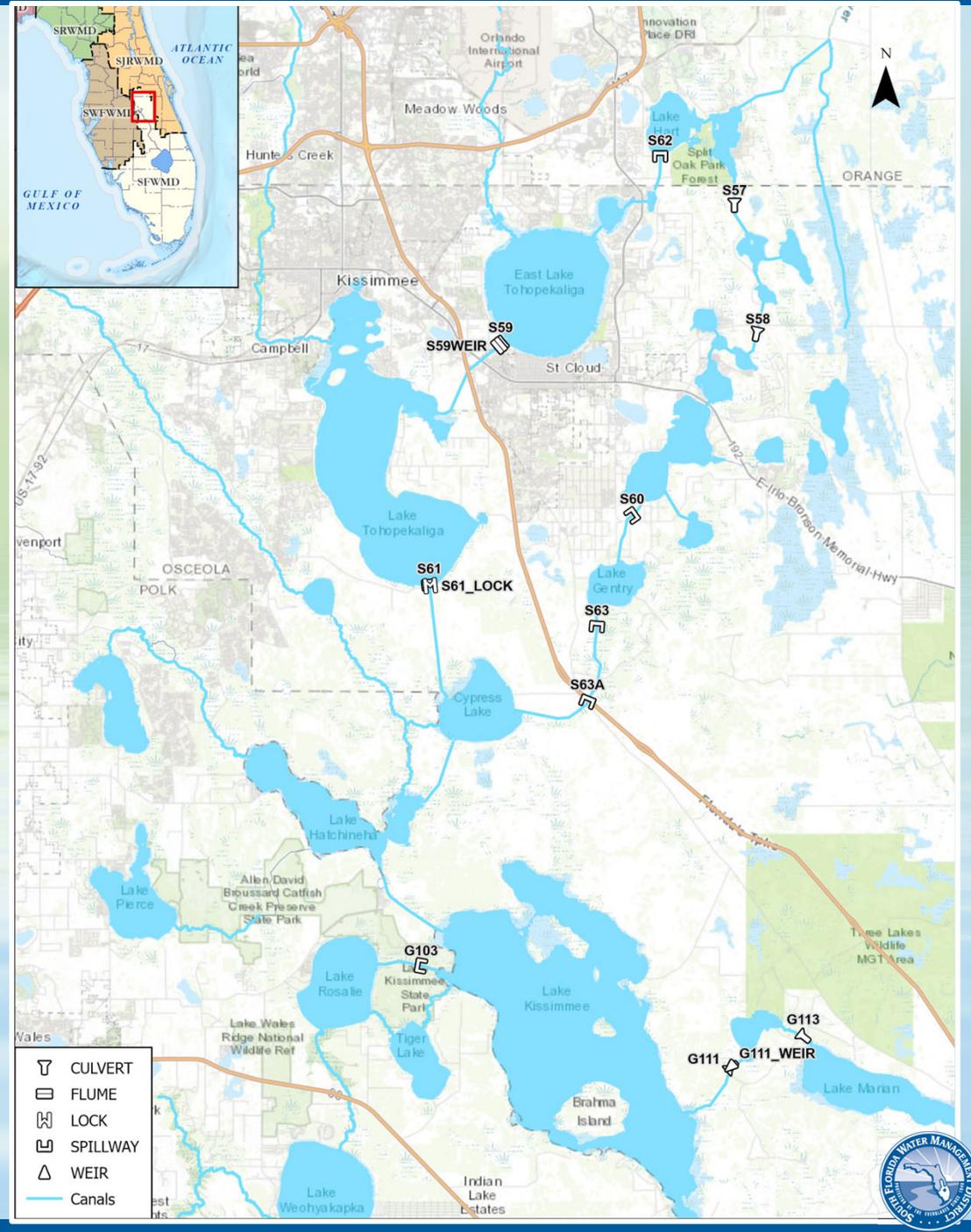
Rolling Meadows Parcel B



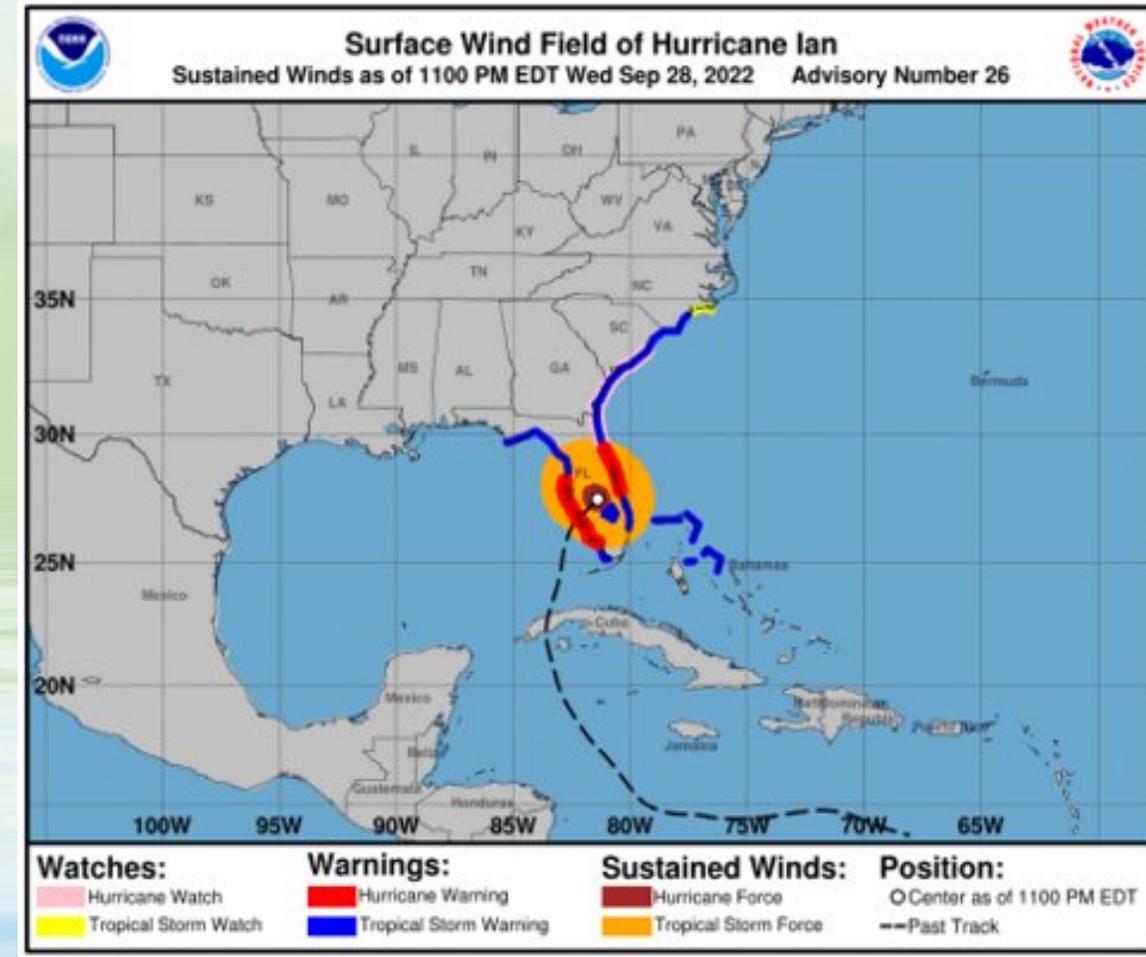
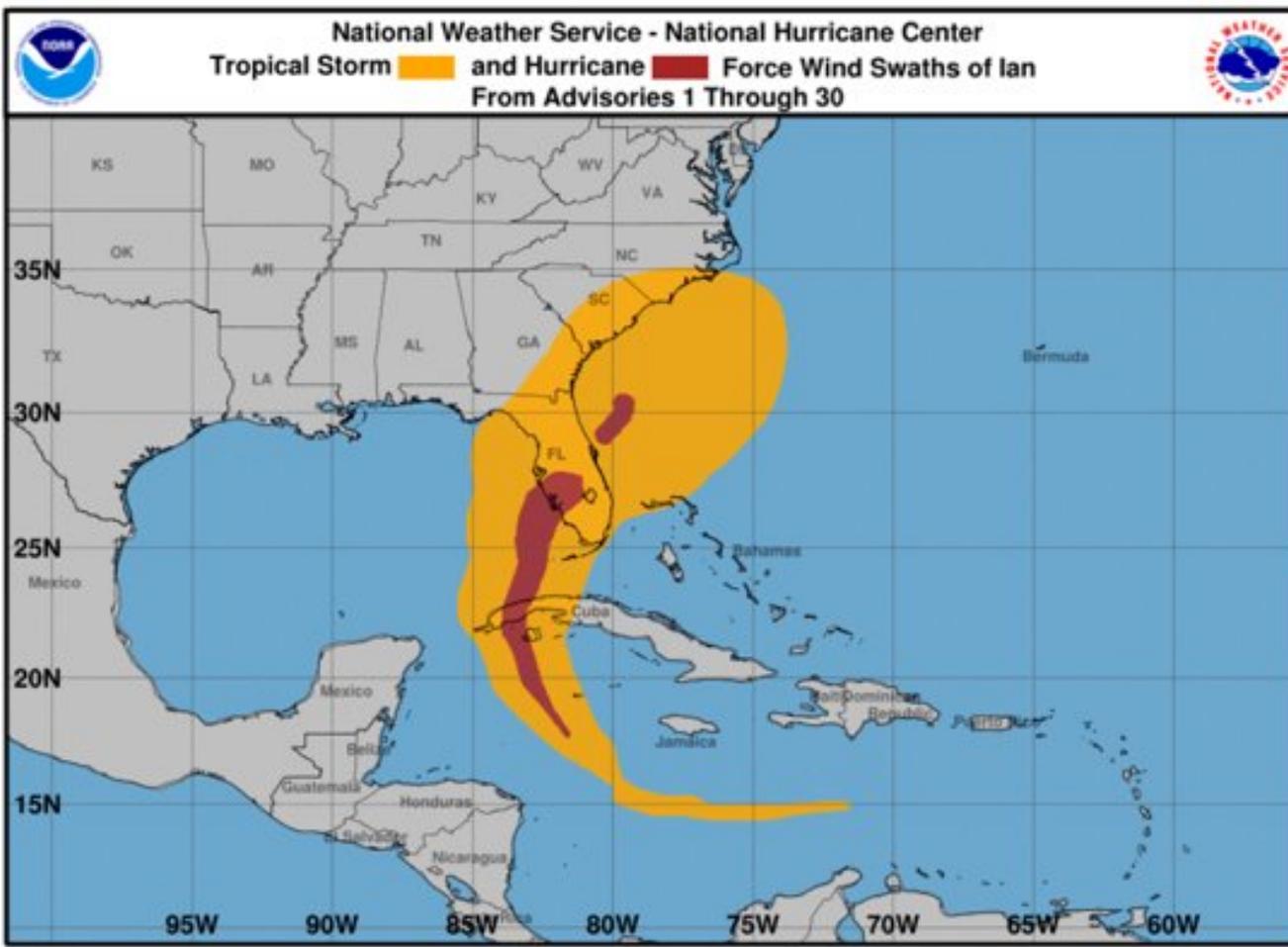
# Proposed Projects in the Region

## Implementation

- C-29, C-29A, C-29B and C-29C Canal Conveyance Improvement (\$8.9M)
- S-59 Structure Enhancement and C-31 Canal Conveyance Improvements (\$39.3M)
- S-58 Structure Enhancement and Temporary Pump (\$42.5M)
- S-61 Spillway Enhancement and Erosion Control (\$40M)
- **Not Yet Funded**



# Hurricane Ian



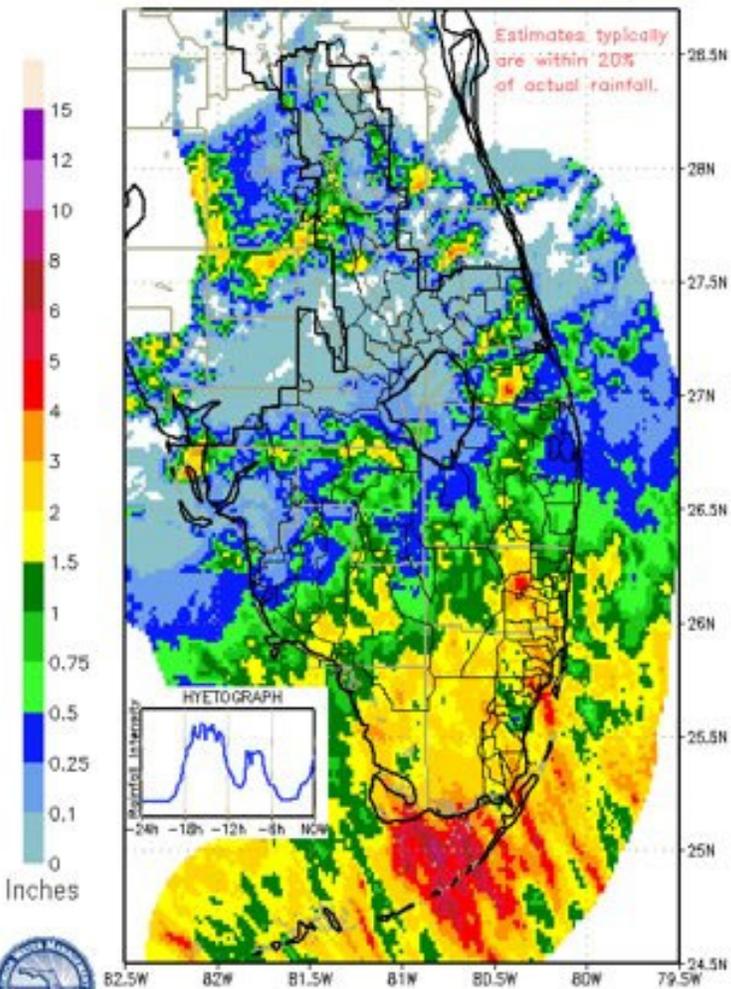
# Lookback at Hurricane Ian Preparations and Mobilization



# Hurricane Ian Rainfall Day-by-Day

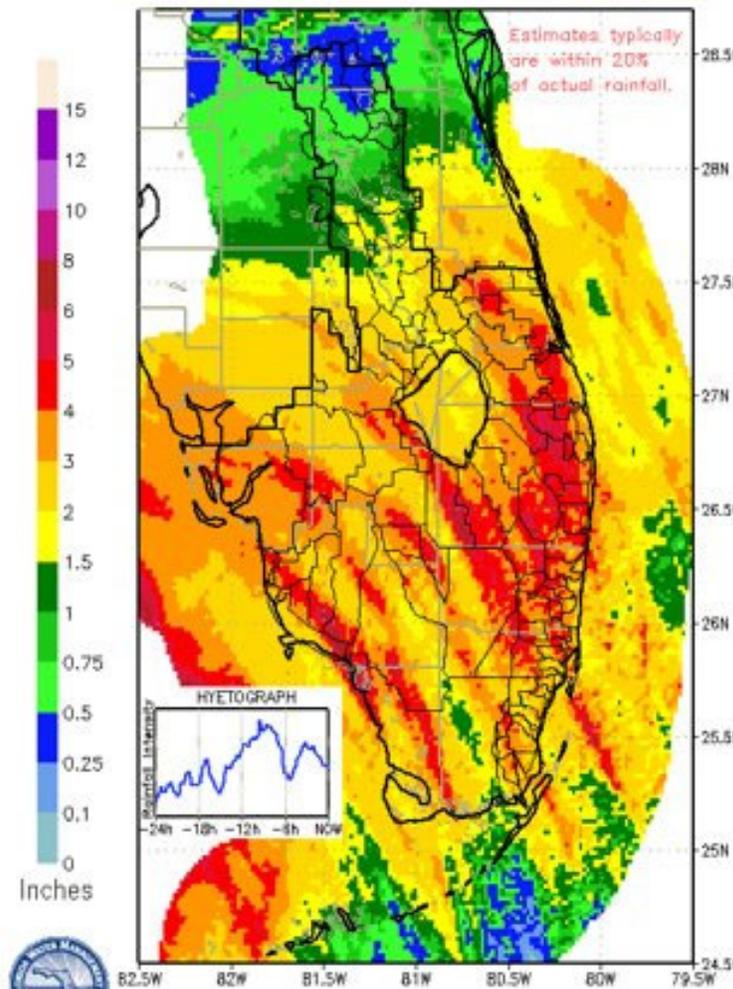
Maxima 14.83", East Lake Toho

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



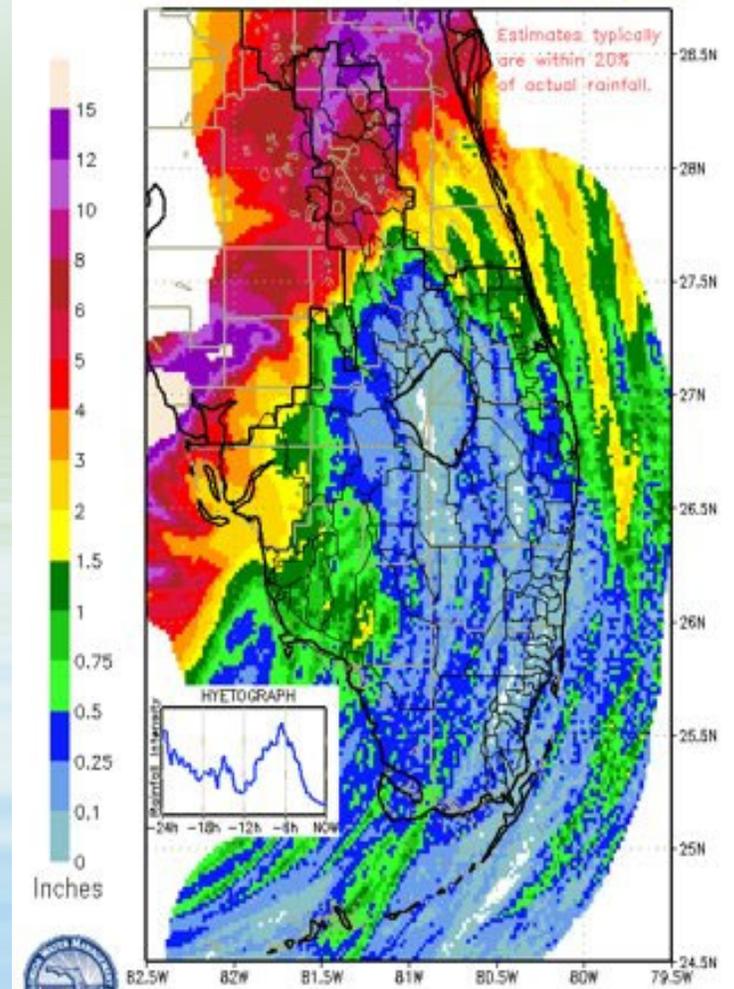
Monday

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



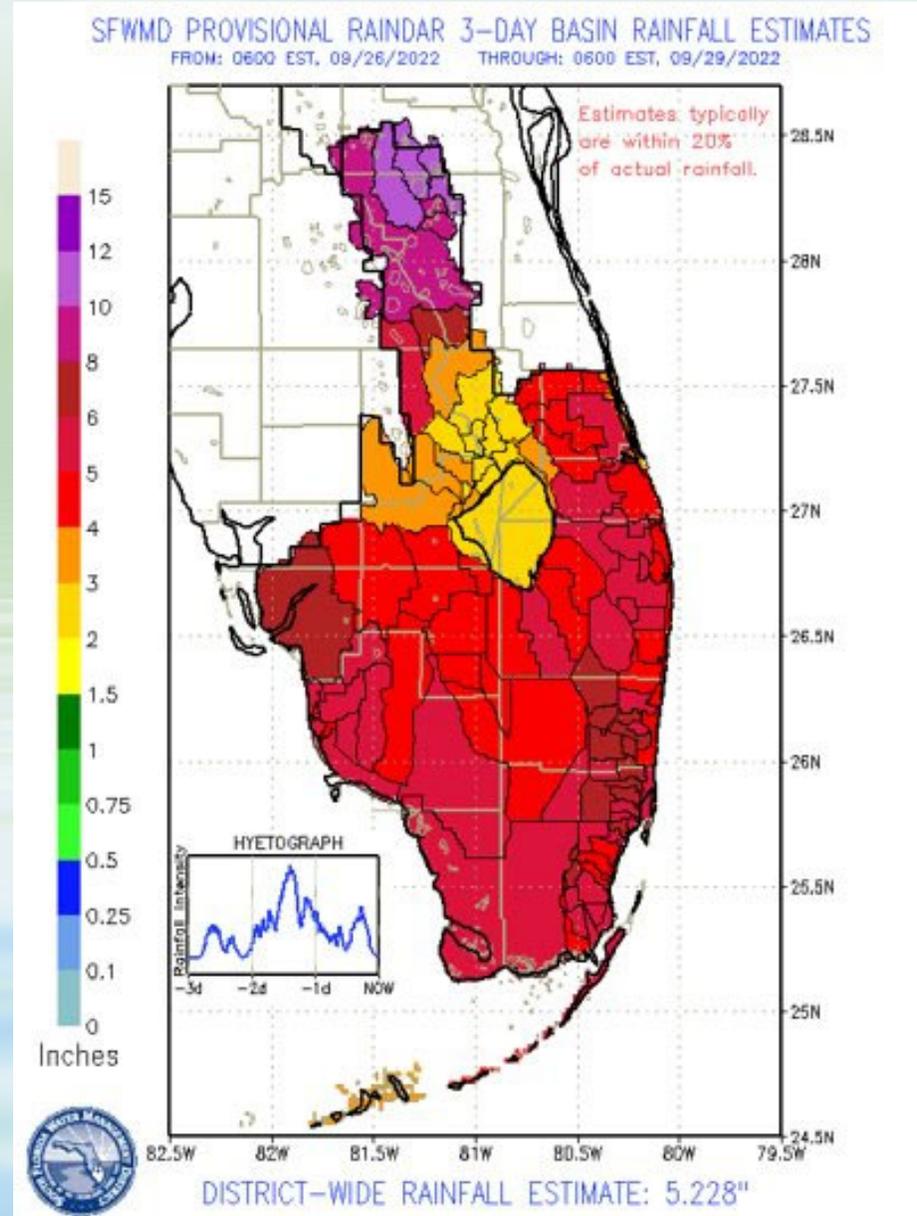
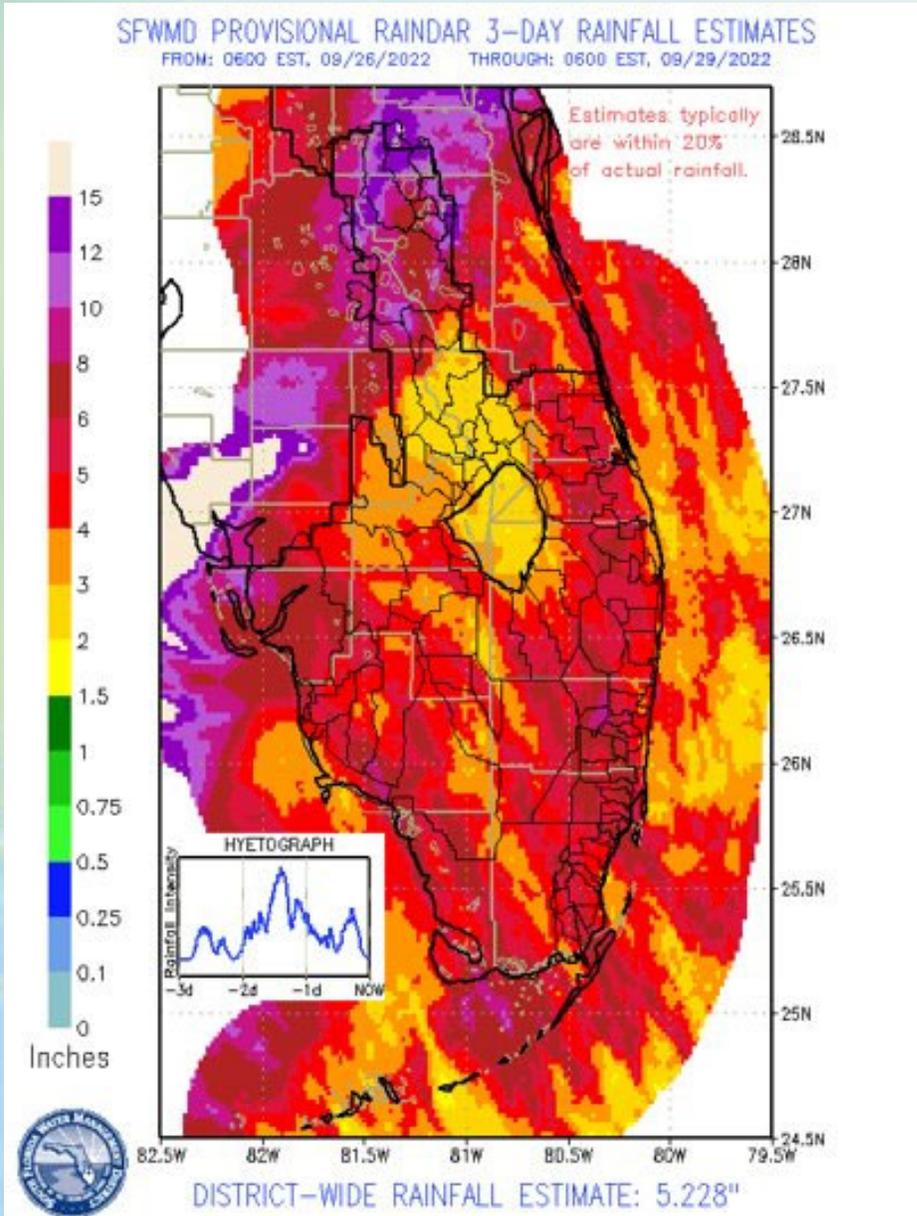
Tuesday

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



Wednesday

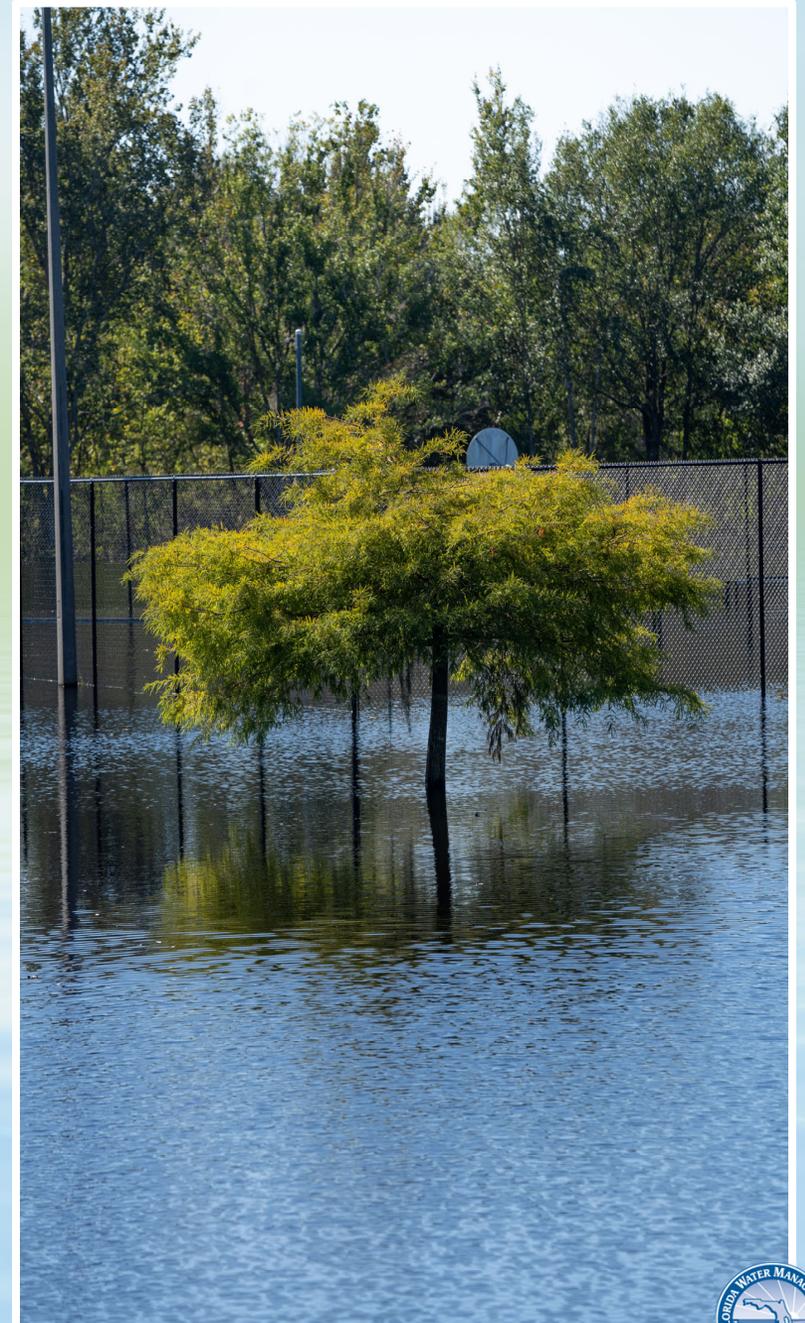
# Hurricane Ian Total Rainfall Sep. 26-29, 2022



# Took Action to Reduce Water Levels in Local Communities



# Kissimmee Lakes Floodwaters



# Crews Worked Night and Day to Respond



# Focused on Floodwaters



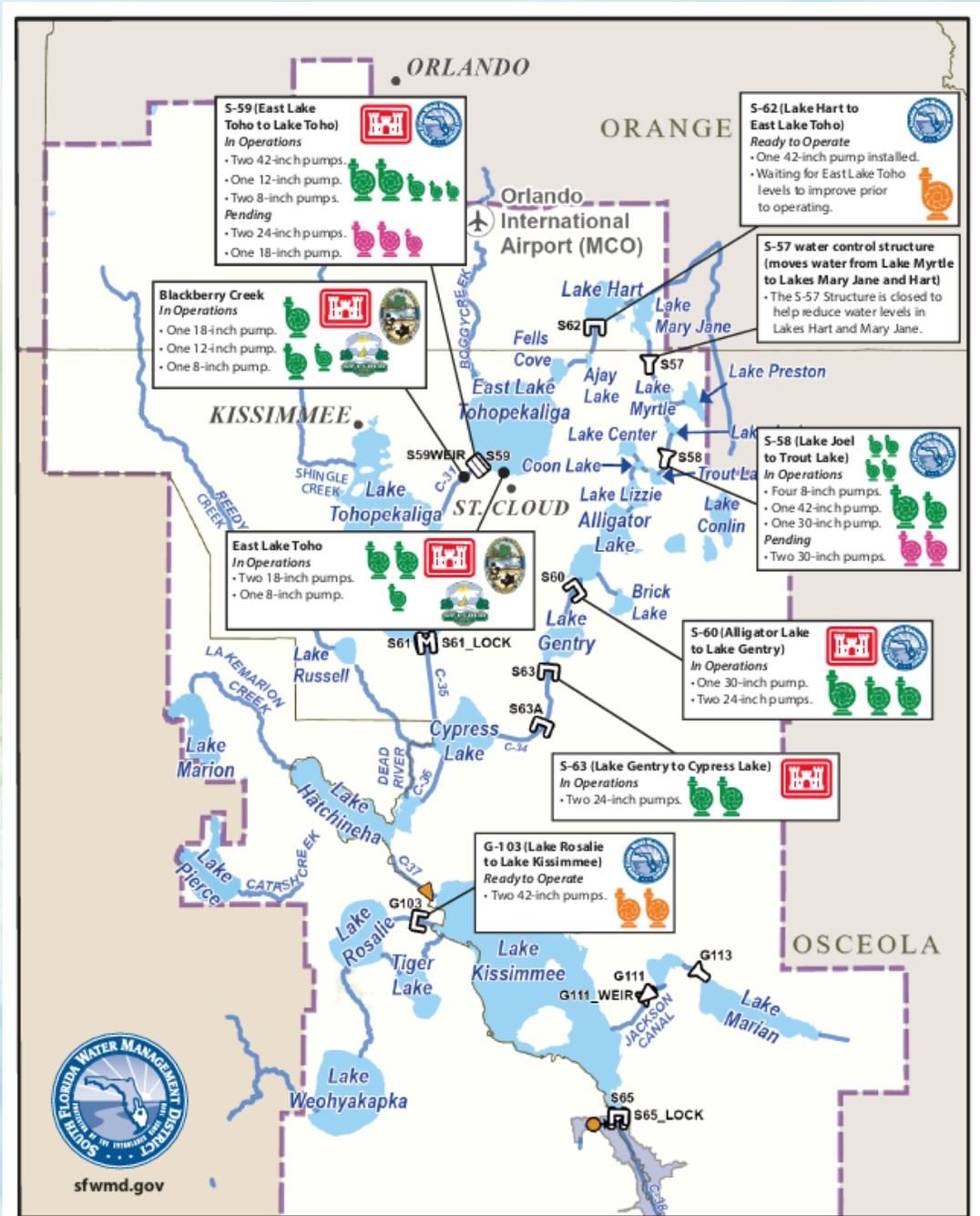
# Partnered with Local, State and Federal Governments



# Fought the Flooding and Didn't Stop



# Temporary Pumps in The Upper Kissimmee Chain of Lakes



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

# Kept the Public Informed

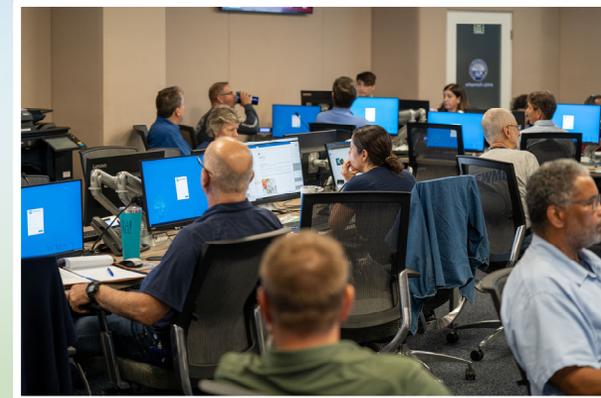


OPERATIONS  
CENTER



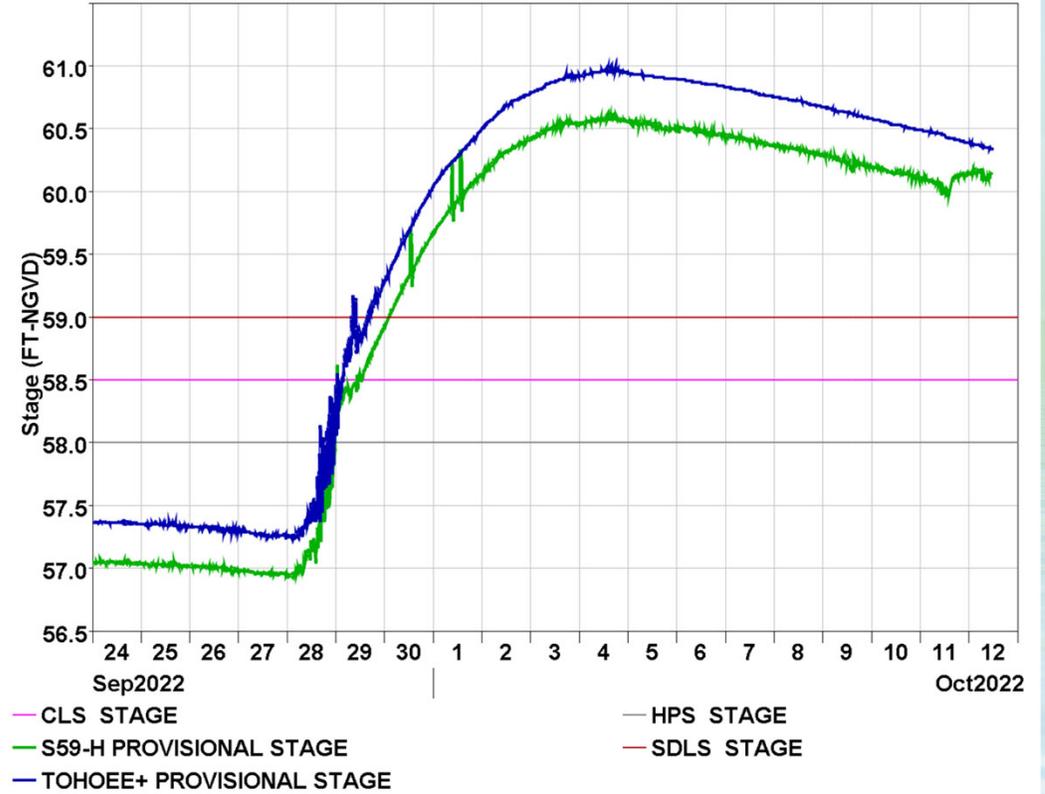
**Drew Bartlett**

Executive Director, South Florida Water  
Management District



# Saved Thousands of Homes from Flooding

East Lake Toho



# Hurricane Season Ends Nov. 30



# Release of Reservations



**Governing Board Meeting  
November 9, 2023  
Jennifer Reynolds, Division Director  
Ecosystem Restoration & Capital Projects**





## What is a Reservation?

- Real estate interest included in a property deed.
- Some reservations include the right to build canals, roads, and any work of the District necessary for drainage or reclamation.
- Most reservations were made in deeds when selling land that was foreclosed on due to unpaid property taxes.

## How does the District process a Release Request?

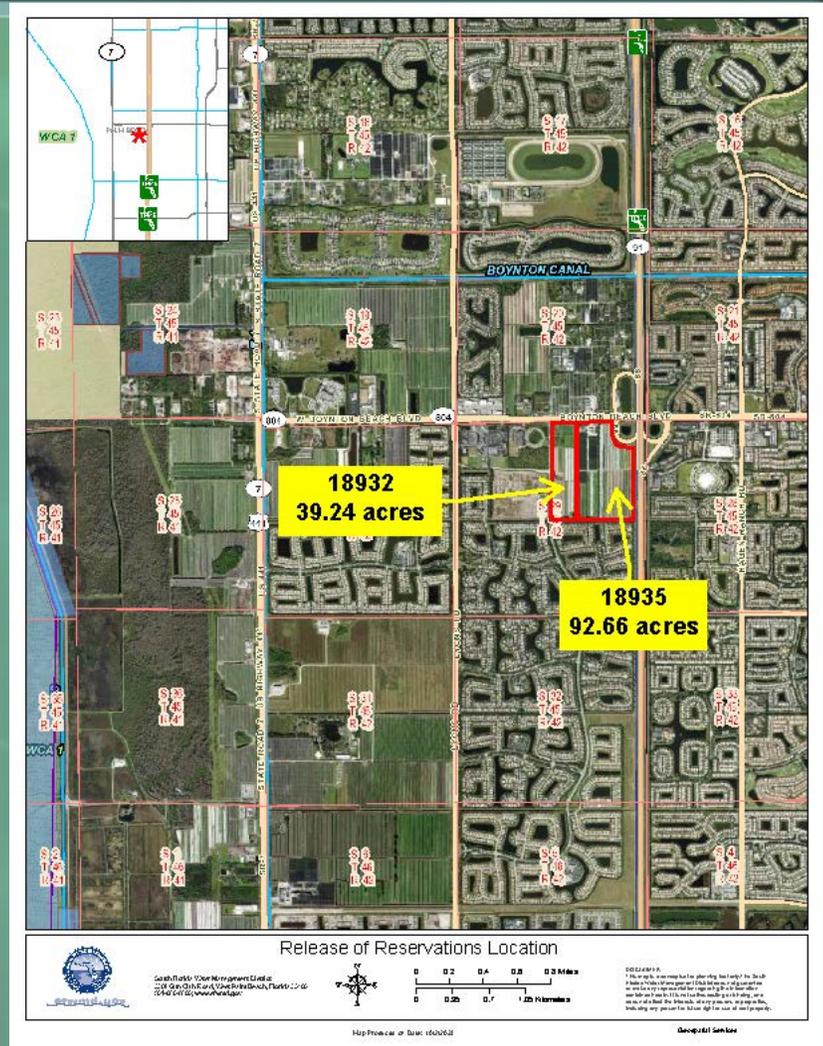


- The District receives applications to release reservations.
- Staff provides best professional judgement regarding anticipated needs.
- The application is also routed externally to local governments and drainage districts when applicable.

## Release of Reservations

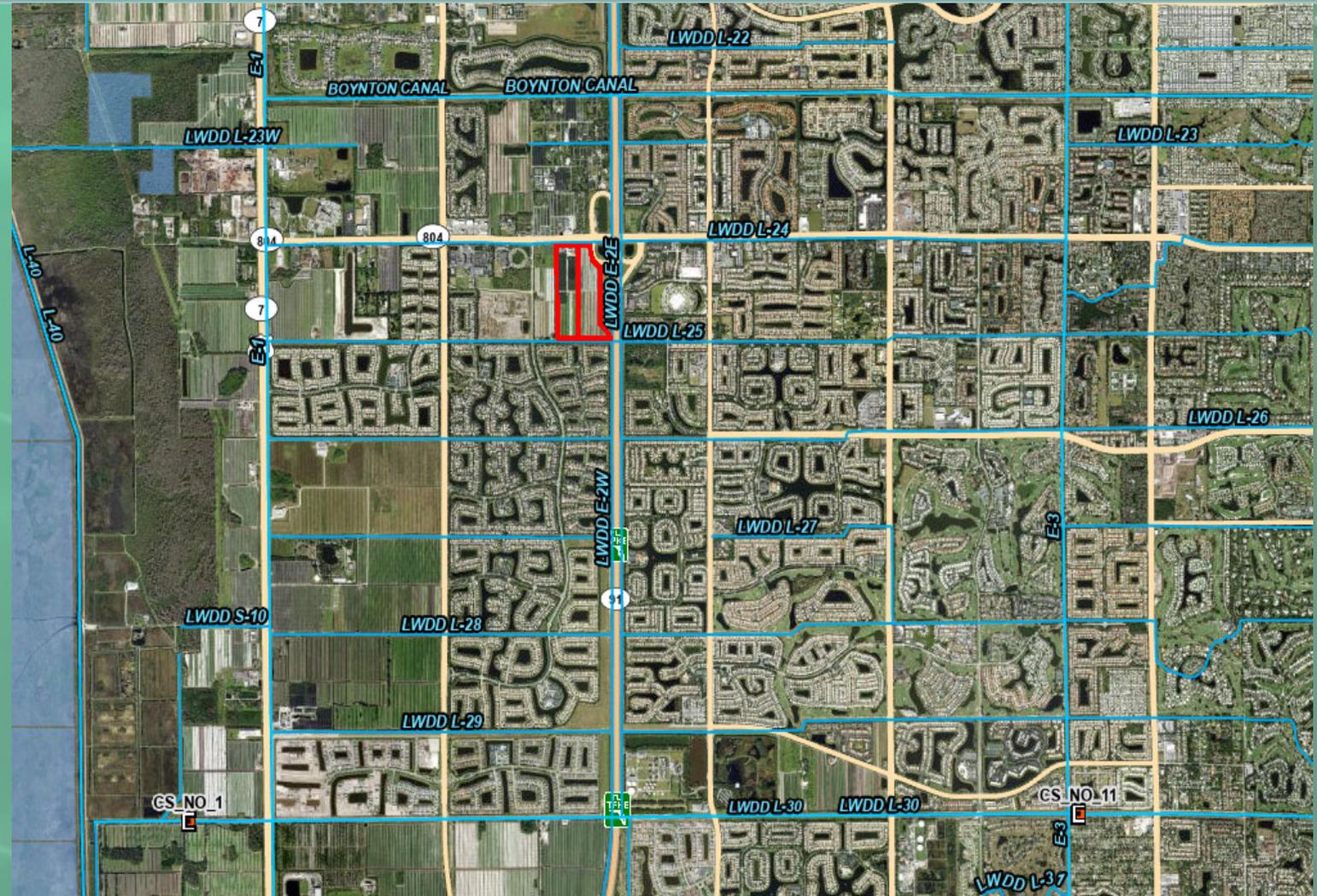
### Reservation release requests

- Two (2) owners
- Application Nos. 18932 and 18935
- Palm Beach County Agricultural (Ag) Reserve
- Reservation areas
  - 39.24 acres
  - 92.66 acres



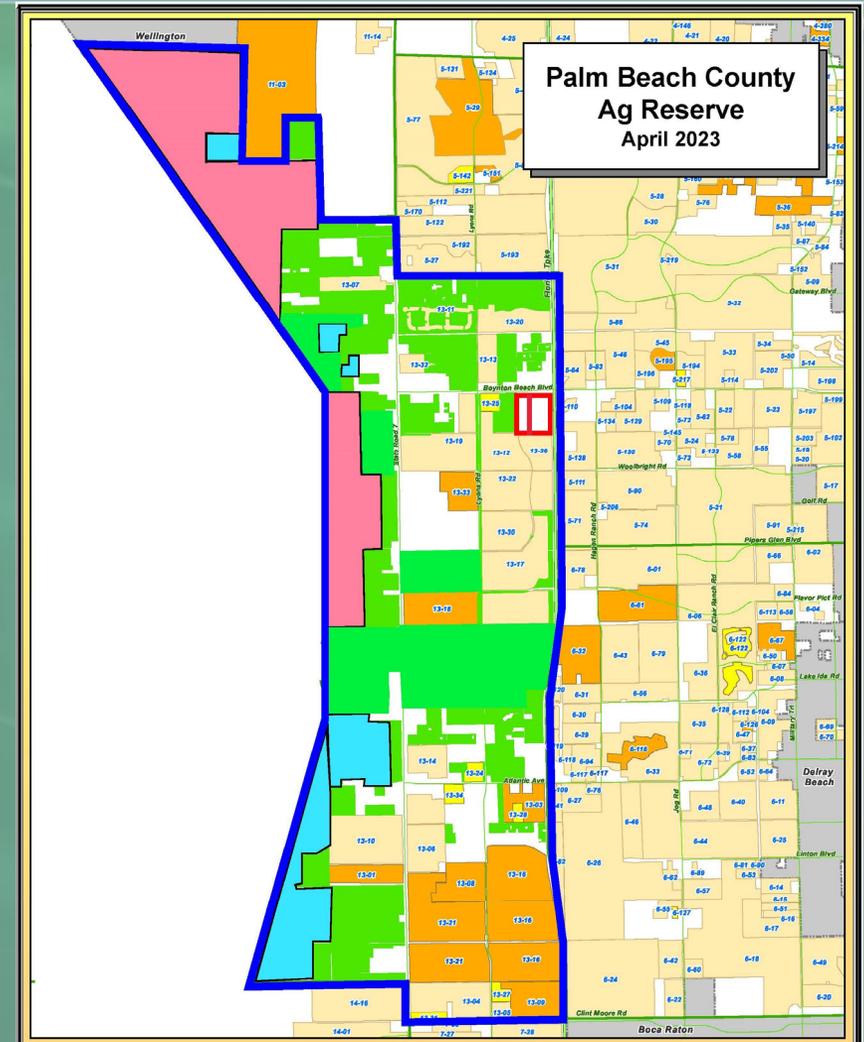
## Lake Worth Drainage District Canals

- Subject properties are surrounded on 3 sides by LWDD canals (L-24, L-25 and E-2E).
- Boynton Canal is located one (1) mile north of subject properties.



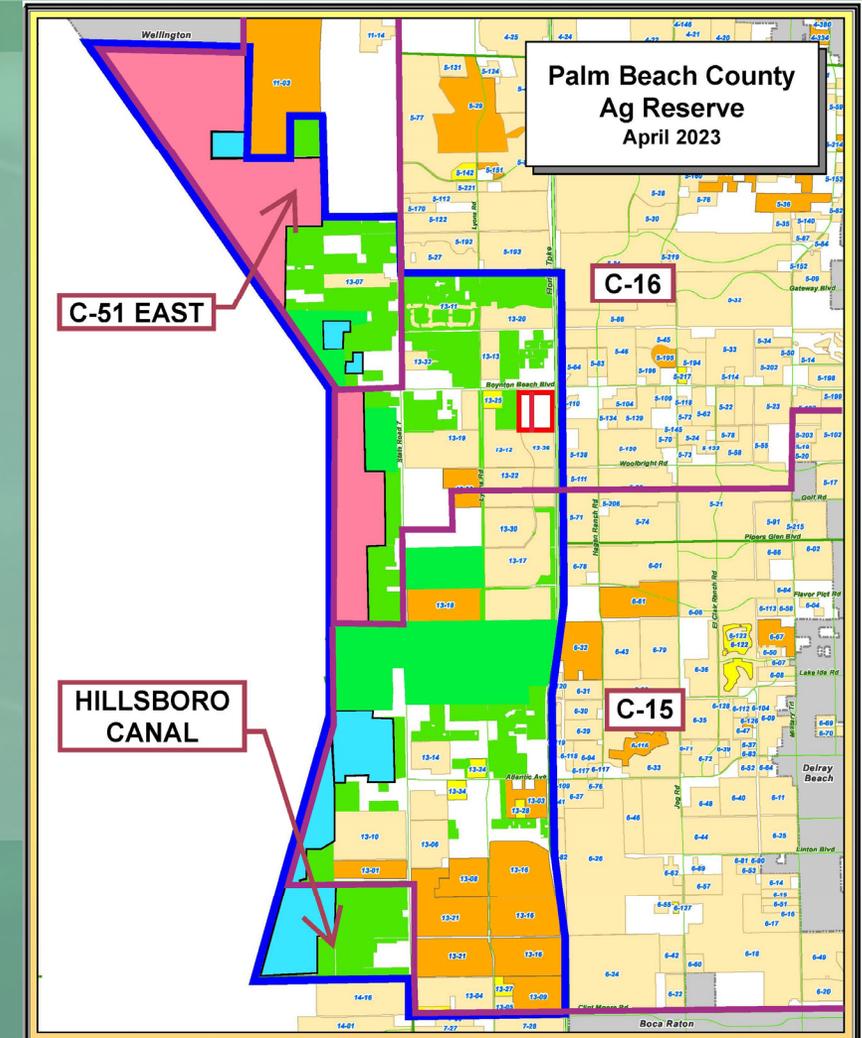
# Palm Beach County Ag Reserve

- Blue – Ag Reserve Boundaries
- Red - subject releases
- Green - already preserved or owned by Palm Beach County
- Pink - owned by United States of America
- Teal - owned by SFWMD
- Beige - already developed
- Orange – currently being developed



## Drainage of the Ag Reserve

- The Palm Beach County Ag Reserve is located in the Southern Florida Basin.
- Four (4) Watersheds cover the Ag Reserve:
  - C-51 East
  - C-16
  - C-15
  - Hillsboro Canal
- Subject properties are in the C-16 watershed.



# Input from Local Drainage District

- Lake Worth Drainage District (LWDD) initially denied the applications.
- After applicants provided additional right of way to LWDD for its L-24 canal, the LWDD recommended release.



13081 S. MILITARY TRAIL  
DELRAY BEACH, FLORIDA 33484-1105

Board of Supervisors  
James M. Alderman  
Stephen Bedner  
Carris P. Hill  
Jeffrey P. Phipps, Sr.  
John L. Whitworth III  
Executive Director  
Tommy B. Strowd, P.E.  
District Counsel  
Mark A. Perry, P.A.

August 29, 2023

Kenneth Bianco  
Real Estate Specialist  
Real Estate & Land Management Division  
South Florida Water Management District  
3301 Gun Club Road  
West Palm Beach, Florida 33406

Dear Mr. Bianco:

Re: SFWMD File: #18935  
Request for Release of Mineral, Canal, and Road Reservations  
Tracts 2-6, 27-31, 34-38, 59-63, Block 54, P.B. Farms Company Plat No. 3, P.B. 2, Pages 45-45  
PCN's: 00-42-43-27-05-054-0022 and 00-42-43-27-05-054-0050  
Applicant: Mark A. Perry, P.A.  
LWDD Record: RI-20-0042; LWDD Canal's: L-24, L-25 and E-2W  
EDD Deed #516, DB 685, PG. 589  
EDD Deed #2851, DB 714, PG. 157  
TIIF Deed #4634, DB 747, PG. 247  
TIIF Deed #\_\_\_\_, DB 781, PG. 402  
EDD Deed #178, ORB 1994, PG. 1573  
TIIF Deed #179, ORB 1994, PG. 1615

Lake Worth Drainage District has no objection to the release of mineral, canal, and road reservations reserved under Chapter 6456, 6957, 7305, 14717, and 20658, Laws of Florida as held by the South Florida Water Management District within the legal description attached as Exhibit A in the SFWMD application packet.

If you have any questions, please contact me.

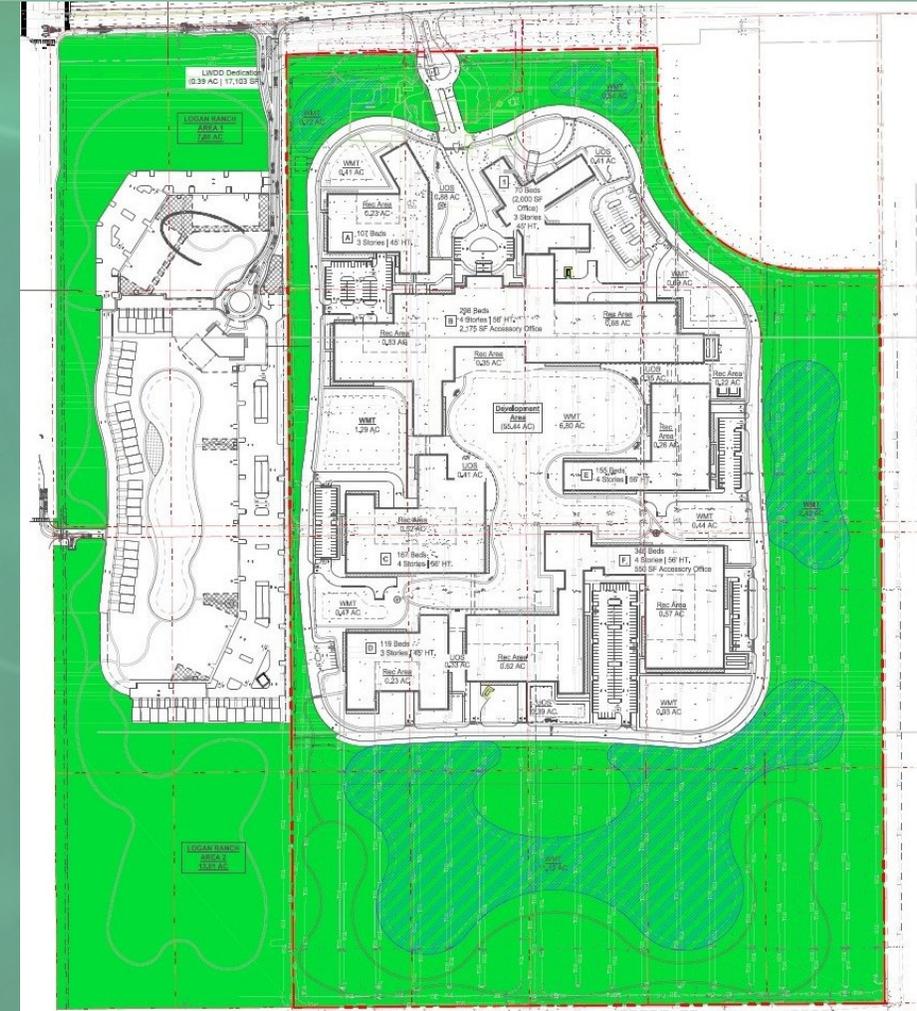
Sincerely,

David A. Bends, PSM  
Project Surveyor  
Lake Worth Drainage District

Phone: (561) 498-5363 • Fax: (561) 495-9694 • info@lwdd.net • www.lwdd.net

## Decisions by County

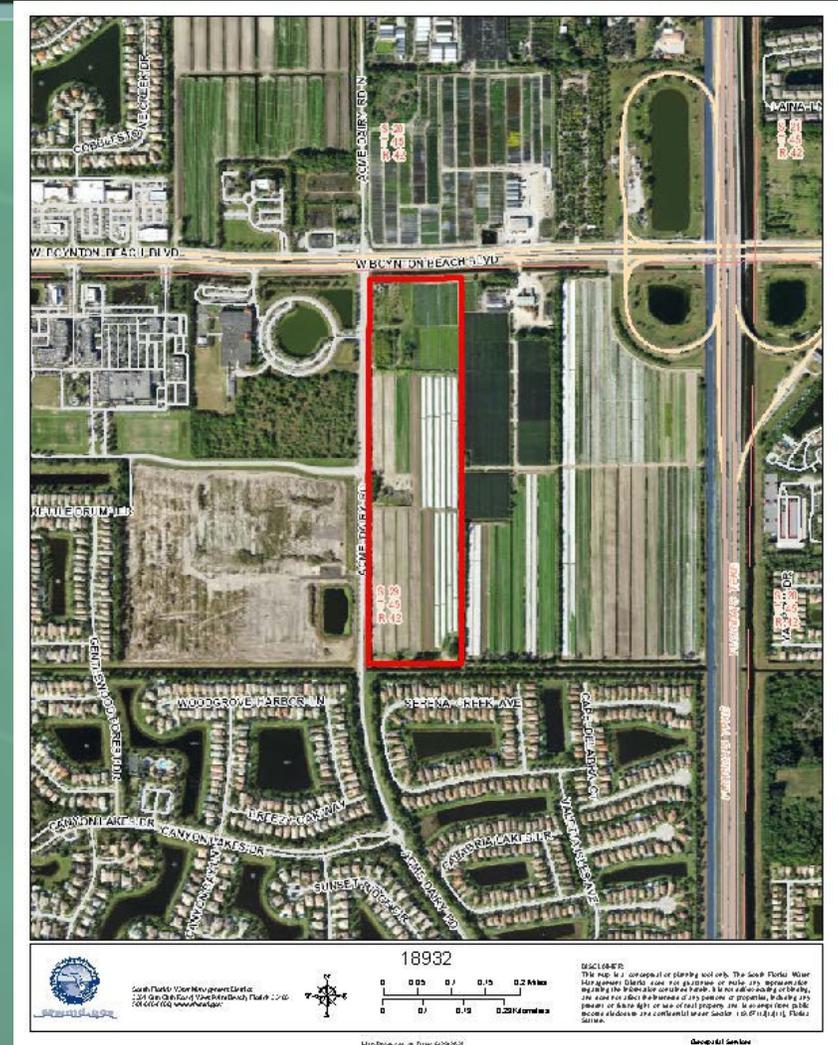
- Palm Beach County Planning and Zoning Board approved change from Agricultural Reserve to Multiple Use Planned Development
  - 18932 - approved 1/13/2023
  - 18935 - approved 4/14/2023
- Conservation Easements required by Palm Beach County over areas shown in green, which covers 60% of the planned developments



## Release of Reservations – No. 18932

### Release of canal and road reservations

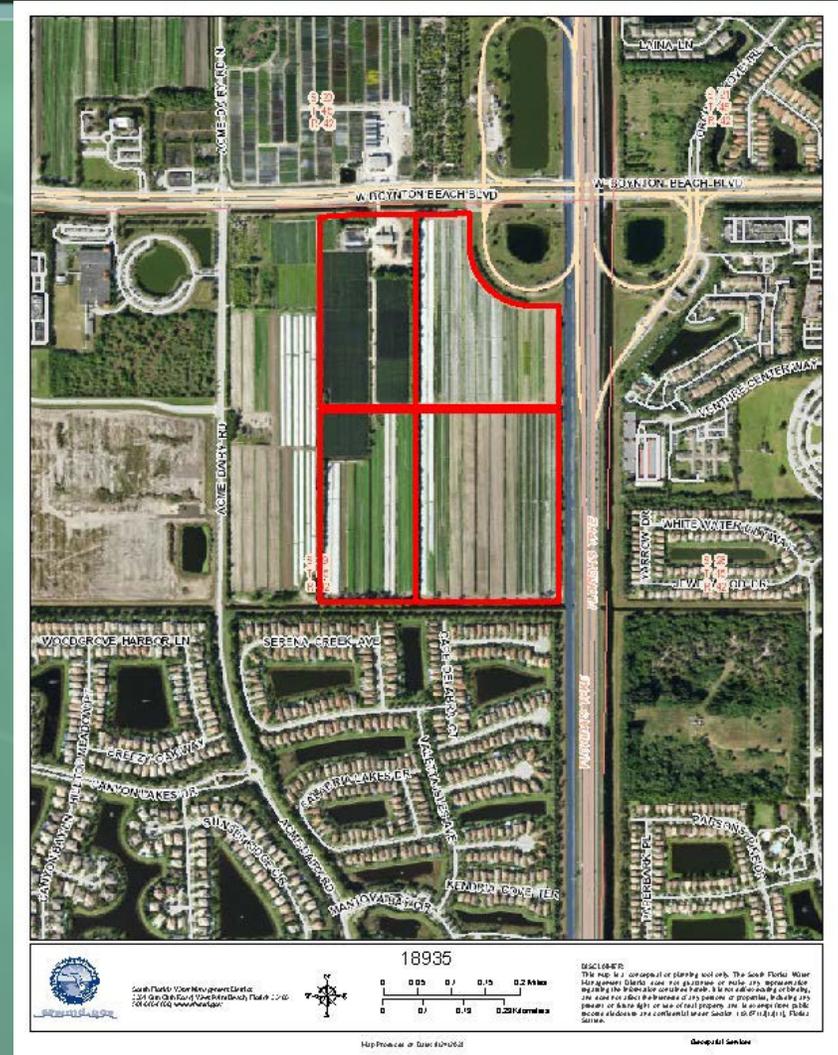
- Barbara M. Logan Revocable Trust, et al
- Total reservation area 39.24 acres
- 8 reserved subdivision tracts
- 4 reserving deeds
- Release Value: \$249,702.57



## Release of Reservations – No. 18935

### Release of canal and road reservations

- William A. Mazzoni Revocable Trust
- Total reservation area 92.66 acres
- 20 reserved subdivision tracts
- 4 reserving deeds
- Release Value: \$645,956.04



## Summary of Releases



- **File No. 18932 - 39.24 acres, release value of \$249,702.57**
- **File No. 18935 - 92.66 acres, release value of \$645,956.04**
- **SFWMD will be listed as a beneficiary to the conservation easements being required by Palm Beach County**
- **The applicants were required to grant additional right of way for LWDD's L-24 canal**



## Resolution

**Release certain canal and road reservations following execution of an agreement designating the District as a beneficiary of a recorded conservation easement pertaining to the property.**



Questions or Comments?

# FDEP Alternative Water Supply Grant Program



Stacey Payseno, PMP  
Lead Project Manager  
Water Supply Bureau  
November 9, 2023

# FDEP Alternative Water Supply (AWS) Funding

- Governor DeSantis' Executive Order 23-06
  - Requested recurring funding for AWS development
- Since 2019, \$230 million was approved for water supply development projects statewide
- FDEP administers AWS funding
  - Requests water management districts provide list of projects for state funding consideration each May



Reclaimed water  
main installation



Reclaimed water  
pump station



Reverse osmosis concentrate  
disposal well

# Fiscal Year 2024-2025 AWS Funding Anticipated Schedule

**December 4, 2023**

Application period begins

**January 2024**

Conduct two informational webinars

**February 26, 2024**

Application deadline

**March – April 2024**

Staff application review process

**May 2024**

Project list for Governing Board approval &  
FDEP submittal by May 31

# Project Types

## ➤ Alternative Water Supply

- Increase water supplies through development of non-traditional water sources and/or storage
- Includes saltwater, brackish water, reclaimed or recycled water, surface/storm water captured during heavy rainfalls, new storage capacity, any other source designated as non-traditional in a regional water supply plan



Reverse osmosis membranes



Reclaimed water pump station

## ➤ Water Conservation

- Projects that use hardware and/or technology to increase water use efficiency
- Includes high-efficiency indoor plumbing retrofits and/or rebates, automatic line and/or hydrant flushing devices, and irrigation retrofits, including soil moisture sensors, rain sensors, and irrigation head upgrades



Utility automatic line flushing device



Agricultural irrigation system retrofit

# Program Historic State and District Funding

## Alternative Water Supply

Years	Projects	Capacity (mgd)	Construction Costs	Funding
FY97 – FY23	529	523	\$1.7 B	\$243 M

## Water Conservation

Years	Projects	Estimated Water Savings (mgd)	Total Project Costs	Funding
FY03 – FY23	260	13.6	\$30.8 M	\$9 M

mgd = million gallons per day

# FDEP Funding Considerations

## ➤ Project funding considerations

- Alternative water supply or water conservation
- Provides regional benefits
- Benefits MFL water bodies
- Dual benefits to water supply and water quality
- Benefits environment, resource, and community
- Readiness to proceed (“shovel-ready” and partner funding available)
- Capital costs per 1,000 gallons and return on investment

# Additional District Considerations

## ➤ Alternative Water Supply

- Supports goals & objectives of regional water supply plan
- Reduces dependence on traditional sources
- Supports ocean outfall legislation
- Contributes to AWS development in resource-limited area



Brackish water supply well

## ➤ Water Conservation

- Water source being conserved
- Quantity of water saved
- Cost effectiveness
- Quality and detail of project proposal
- Environmental/community benefits
- Past performance



Rain cutoff device

# Governing Board Priorities

- Current considerations and eligibility:
  - Must be within the District boundaries or provide benefits to the District
  - Must be an AWS or water conservation project
  - Construction/implementation only
  - Supports mission of the District and/or approved plan
  - Prioritize regional projects based on resource areas
  - Year-round irrigation ordinance status
  - **Water Supply Facilities Work Plan status**



Irrigation system retrofit

# Local Government Water Supply Facilities Work Plan Status Consideration

## ➤ Water Facilities Work Plan

- Required by Chapter 163.3177(6)(c), F.S.
- Identifies and plans for the water supply sources and facilities needed to serve existing and new development within a county's or municipality's jurisdiction.
- Describes population and water demands, facilities projects and required capital improvements to meet water needs
- Plans for alternative sources that take time to develop and finance
- Should correlate to Regional Water Supply Plan projects
- 10-Year Plan updated every 5 years
- Due within 18 months of District's Water Supply Plan approval

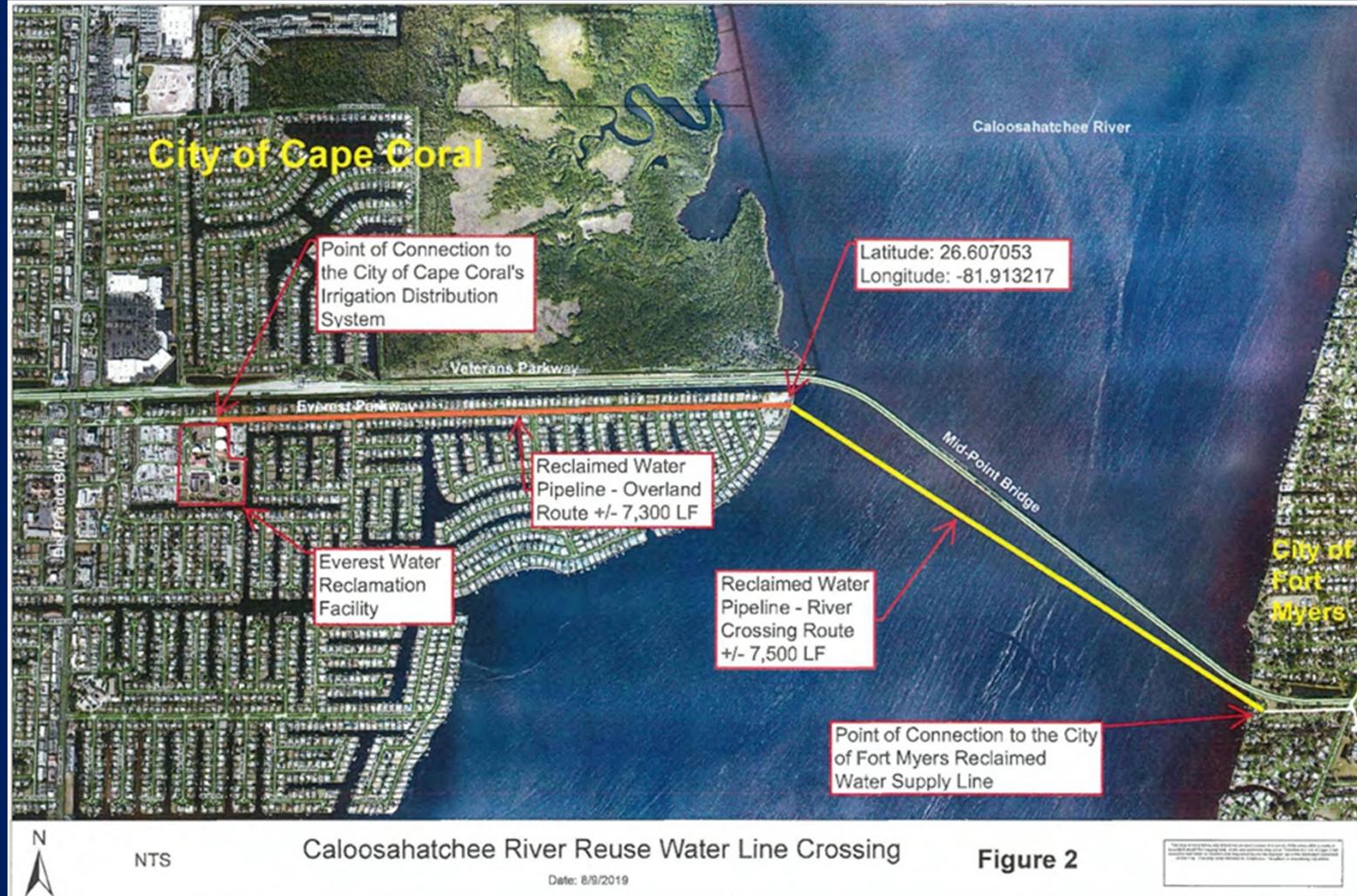


# Project Highlights



# City of Cape Coral

## Reclaimed Water Expansion: Cape Coral-Fort Myers Interconnect



# City of Cape Coral

## Reclaimed Water Expansion: Cape Coral-Fort Myers Interconnect



Phase 1 – Reclaimed water main installation along Everest Pkwy



Phase 2 - Under river crossing – Fort Myers side



Phase 1 – Booster pump station and two 5 million gallon storage tanks



# Toho Water Authority

## Cypress Lake Wellfield (Reverse Osmosis) Project

- Priority Central Florida Water Initiative project
- Multijurisdictional project – Water Cooperative of Central Florida
- Lower Floridan aquifer (brackish water) – offsets Upper Floridan aquifer (fresh water) use
- Deliver up to 15 mgd finished water with Phase 1 – total capacity is 30 mgd finished water
- SFWMD/State = \$5,556,600
- Total Phase 1 cost = approximately \$352 million



Concentrate disposal well (CDW)



Completed reverse osmosis  
CDW

# Thank You



# Water Conditions Summary and Ecological Conditions Update

South Florida Water Management District  
Governing Board Meeting  
November 9, 2023

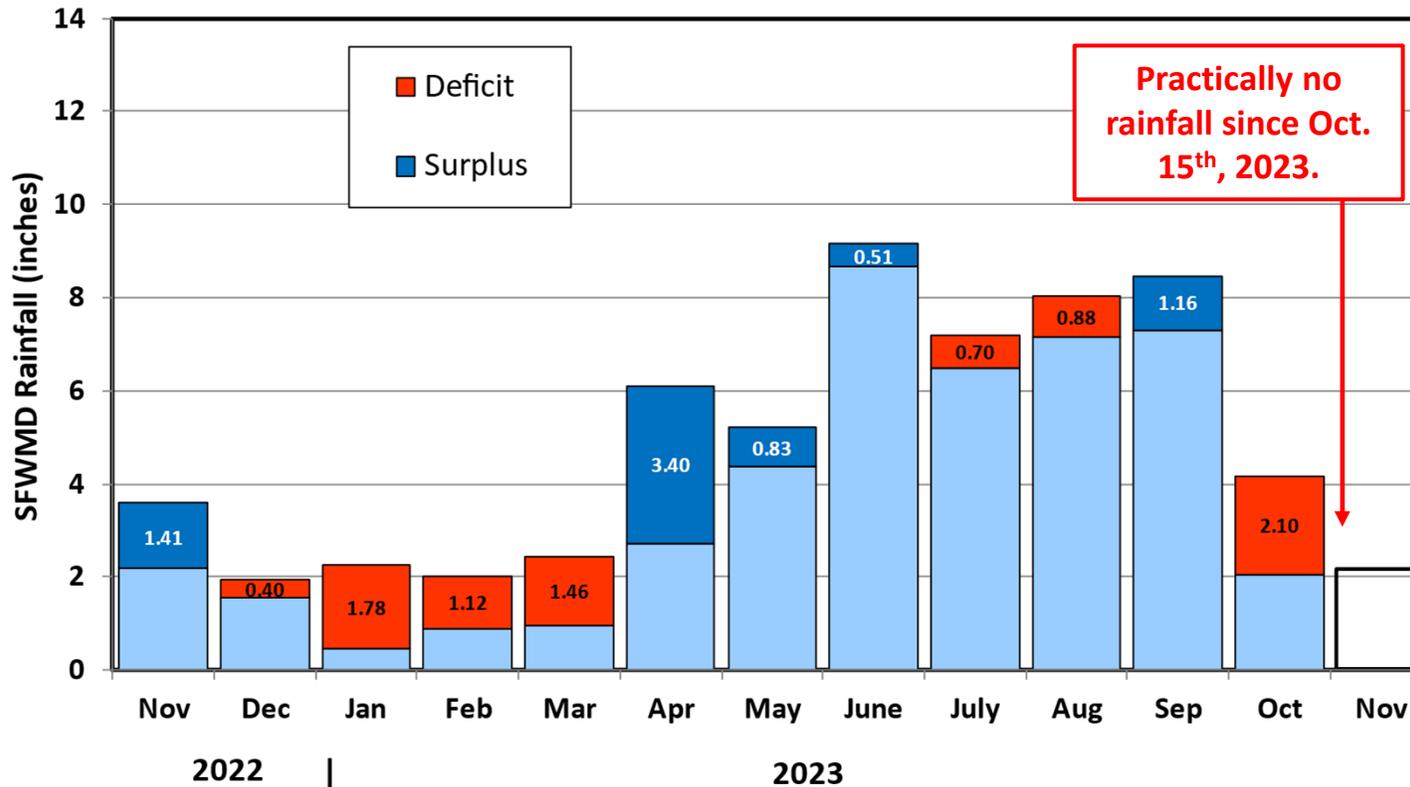


**John P. Mitnik, PE**  
Chief District Engineer  
Assistant Executive Director



**Lawrence Glenn**  
Division Director  
Water Resources

### SFWMD Rainfall Distribution Comparison (November 2022 - November 2023)



### District Wide Average Rainfall

Month	Average (inches)
Jan	2.24
Feb	2.01
Mar	2.43
Apr	2.71
May	4.37
Jun	8.65
Jul	7.20
Aug	8.03
Sep	7.31
Oct	4.15
Nov	2.18
Dec	1.94

Wet Season

#### 2022-2023 DRY SEASON

- Started 9/29/2022 and ended 5/13/2023
- Including Oct. 2022, 5/6 months are below Normal
- 4/6 full months are more than 50% below Normal
- April was ~ 225% normal.

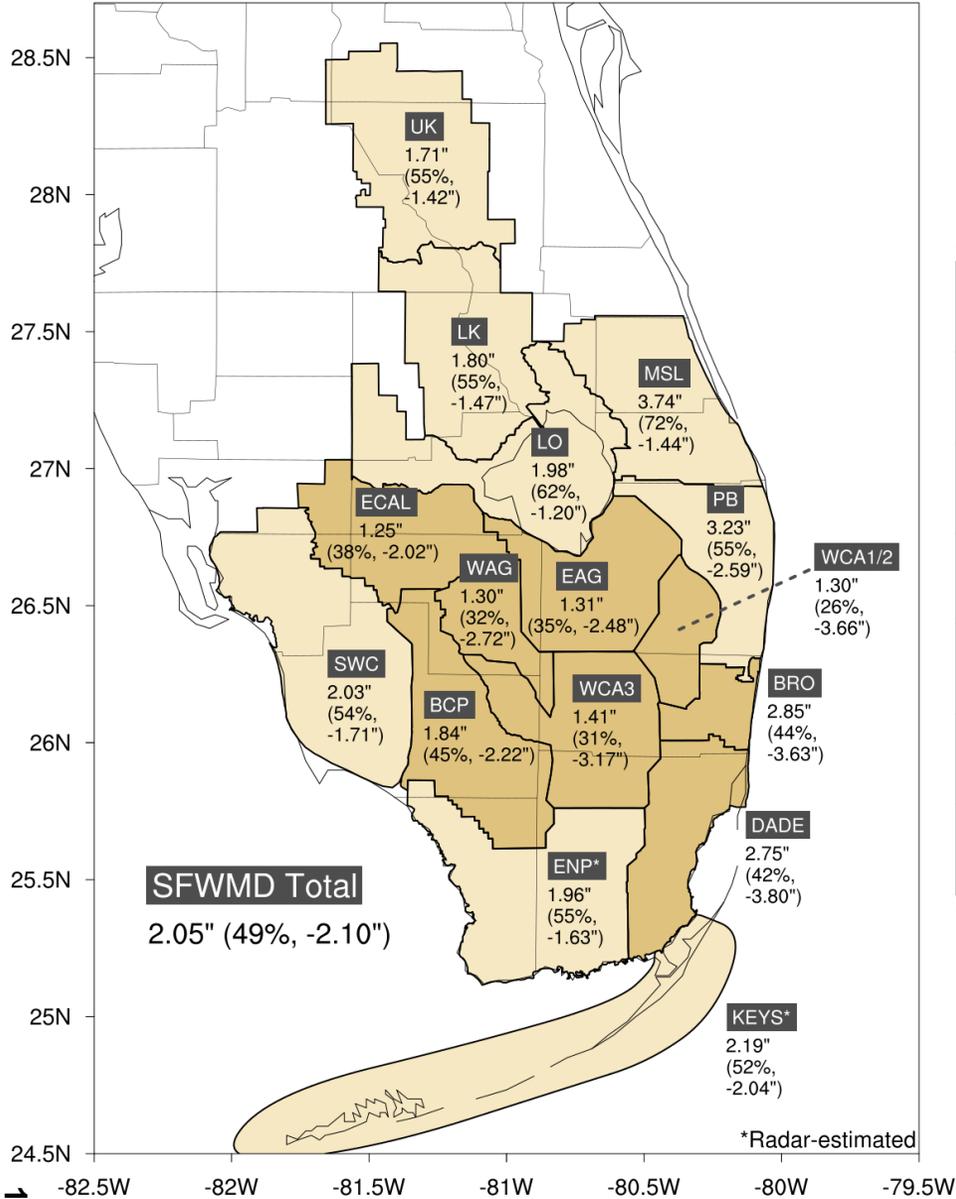
#### 2023 WET SEASON

- Started 5/14/2023 ended 9/30/2023
- May, June and September were above Normal
- July and August were below Normal
- 10% above Normal overall

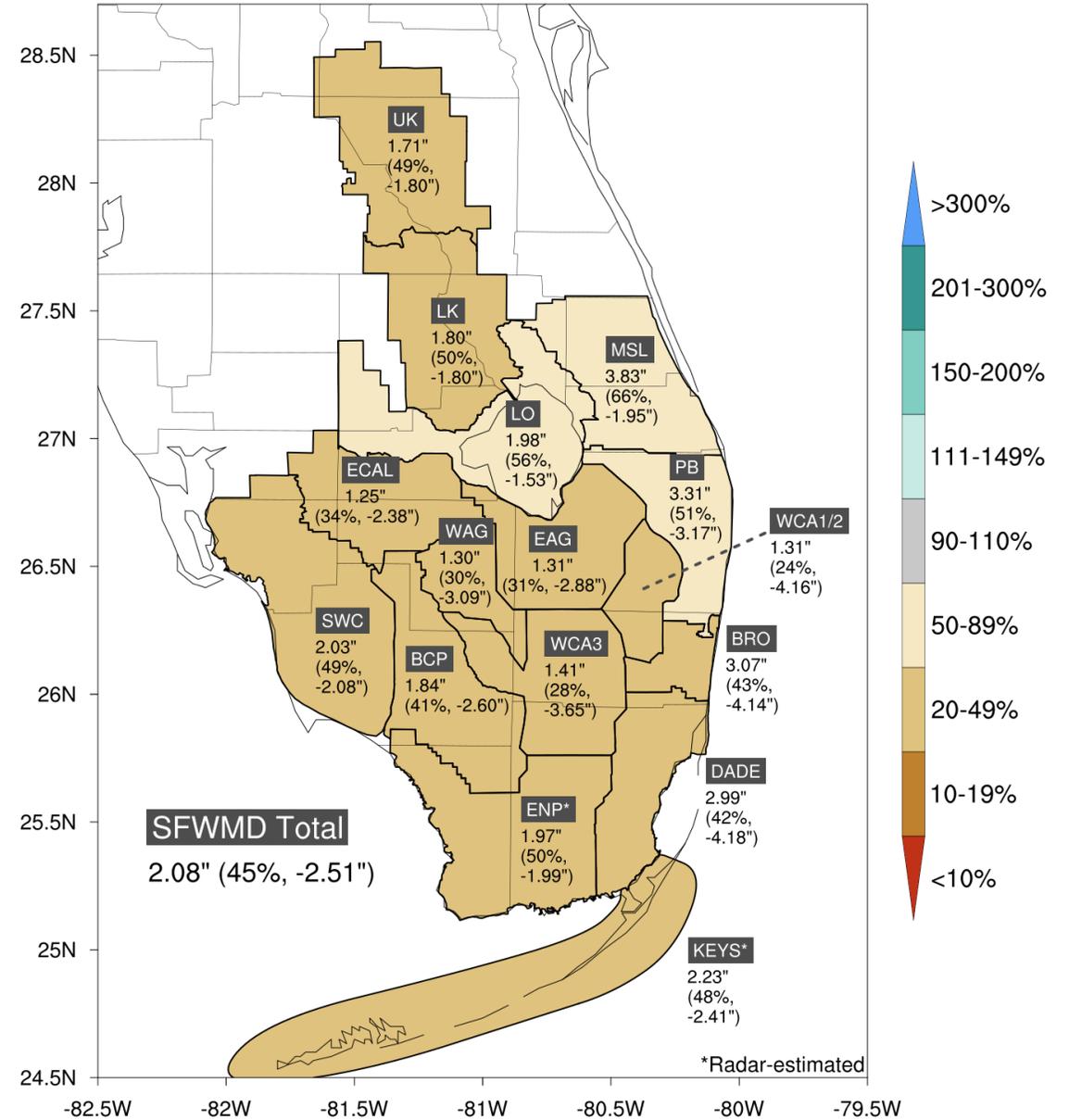
#### 2023-2024 DRY SEASON

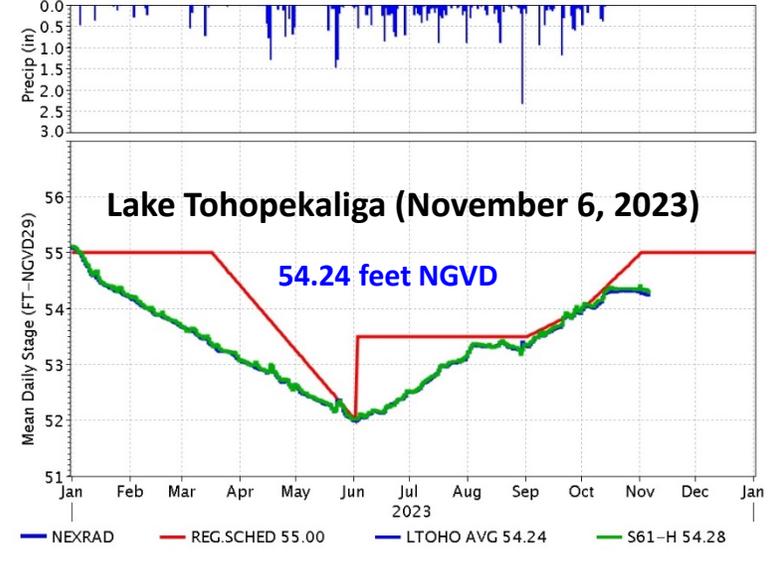
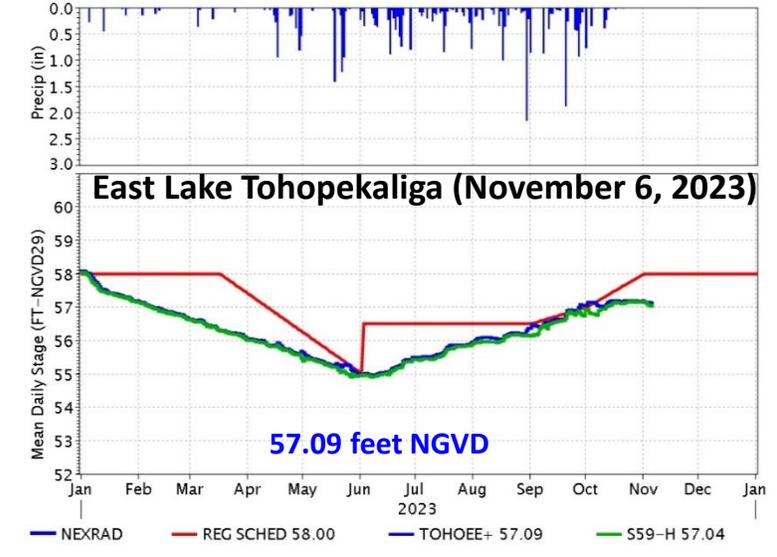
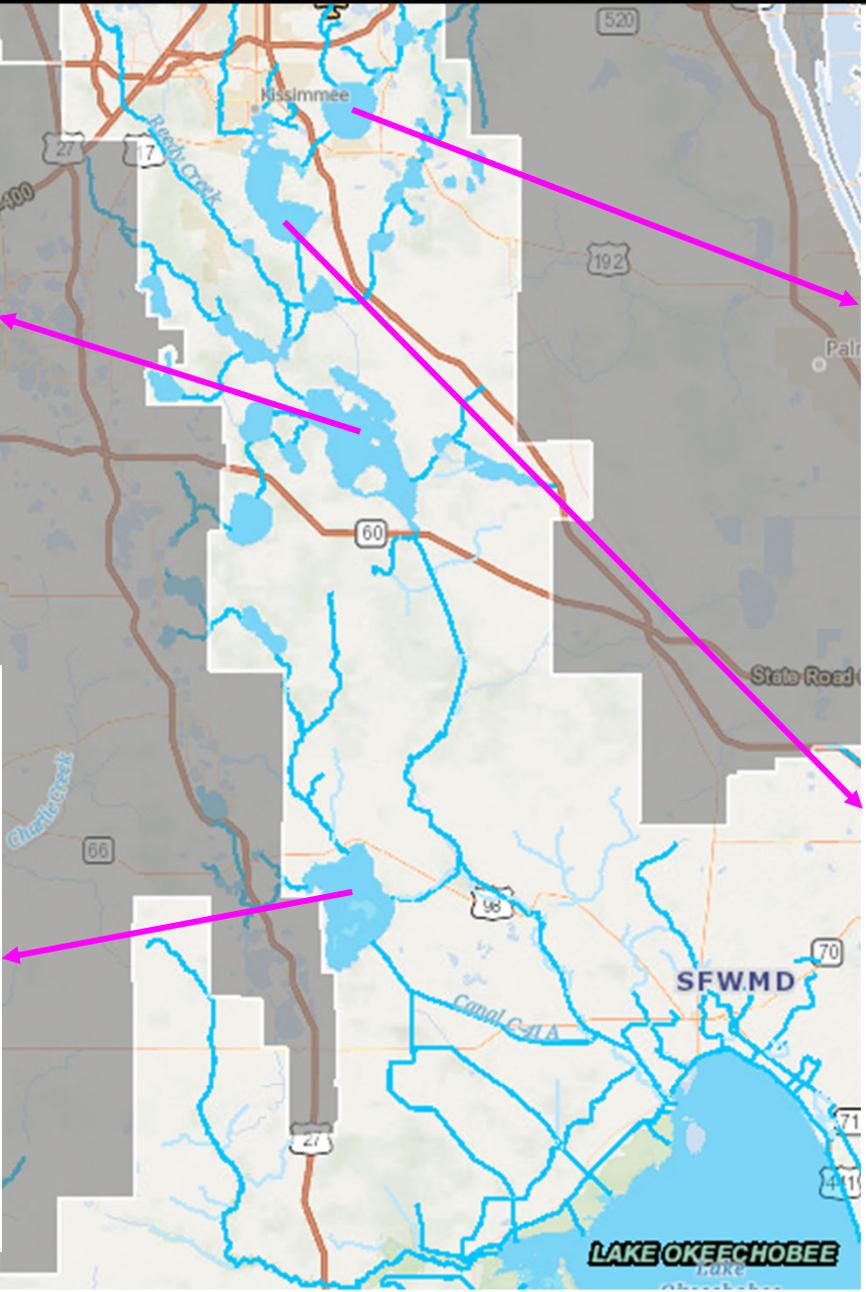
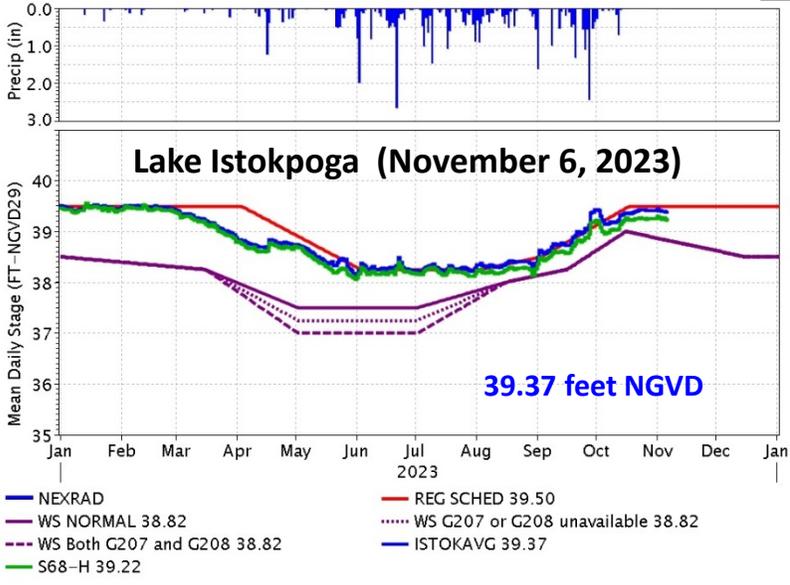
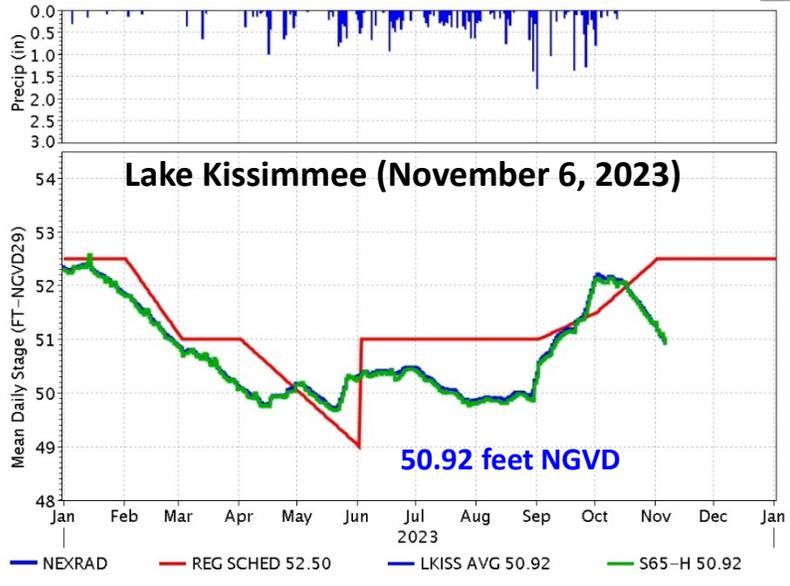
- Started 10/01/2023
- October is ~ 50% of Normal
- Under El Nino conditions, dry season forecast to be above Normal

**October 2023**  
 Rainfall, Percent of Normal, and Departures



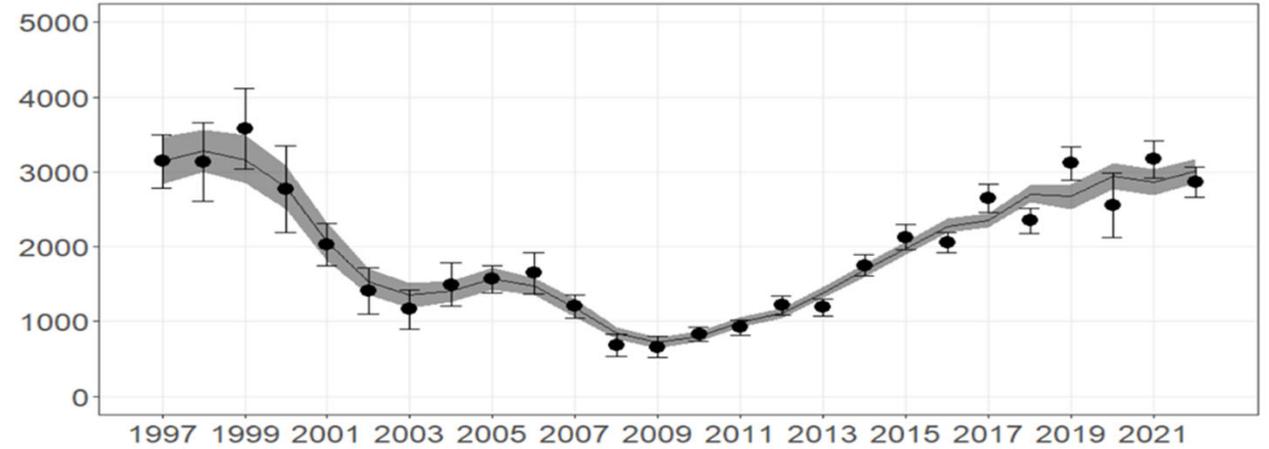
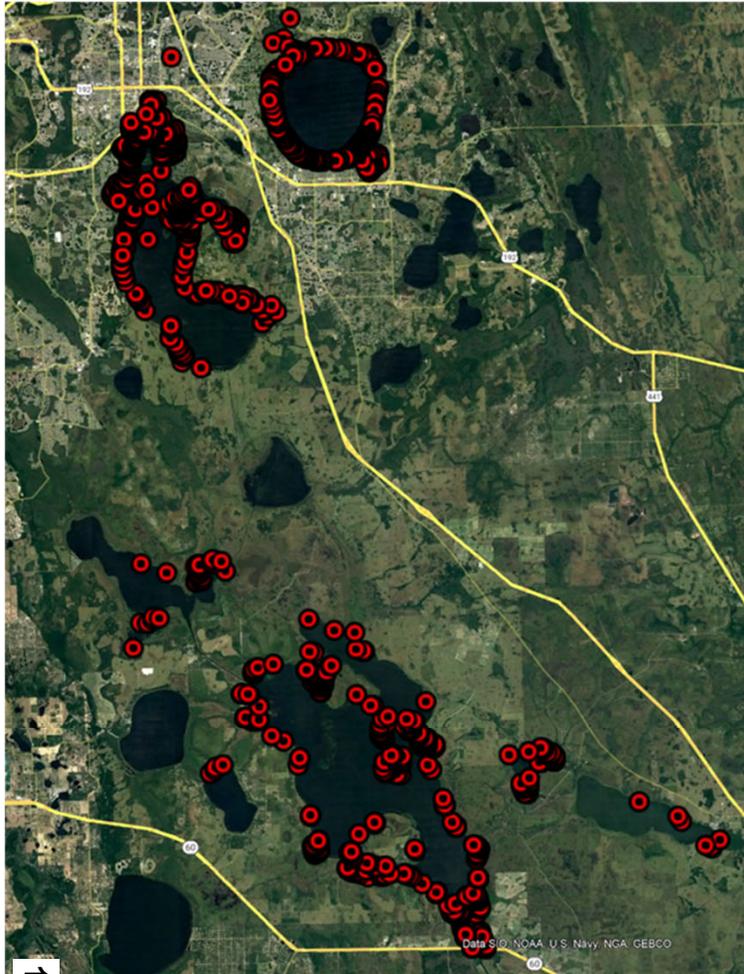
**2023-2024 Dynamic Dry Season (10/1/23 to 11/6/23)**  
 Rainfall, Percent of Normal, and Departures



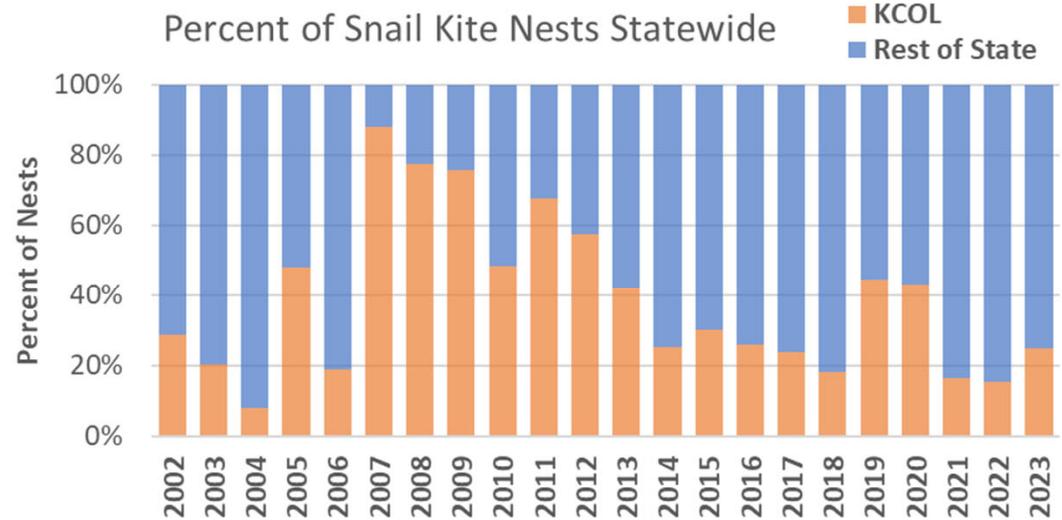


# Snail Kites on the KCOL - Kissimmee Chain of Lakes

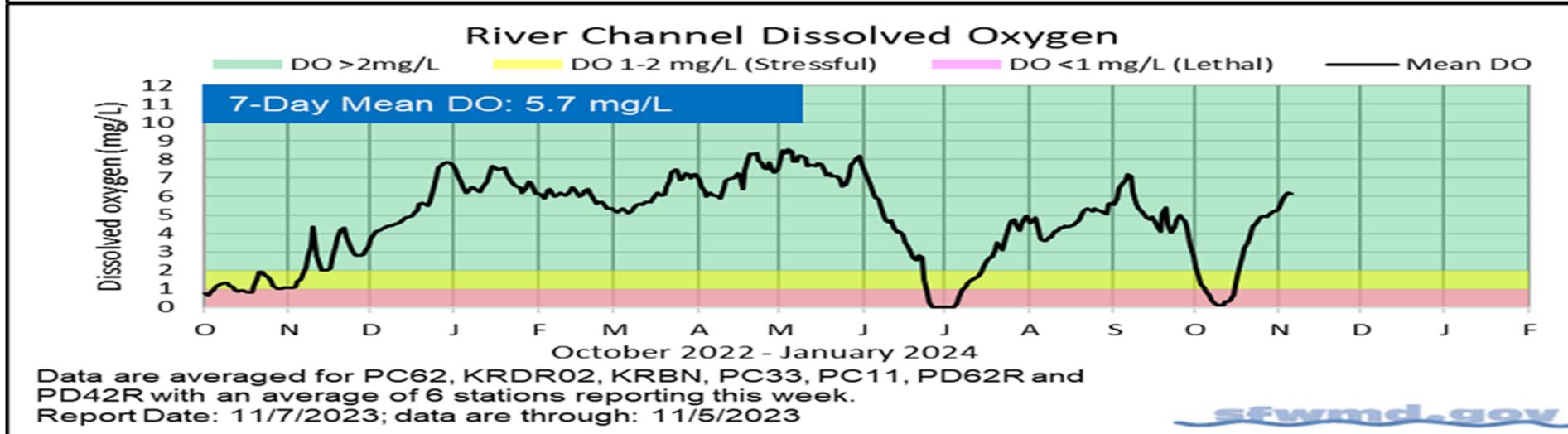
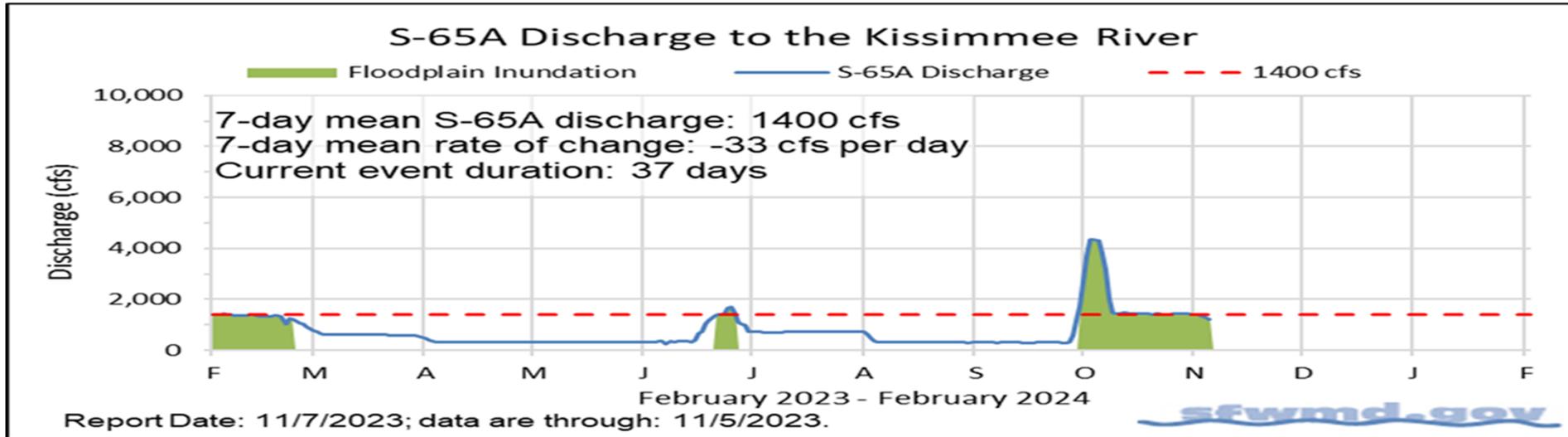
Snail Kite Nests 2000-2022



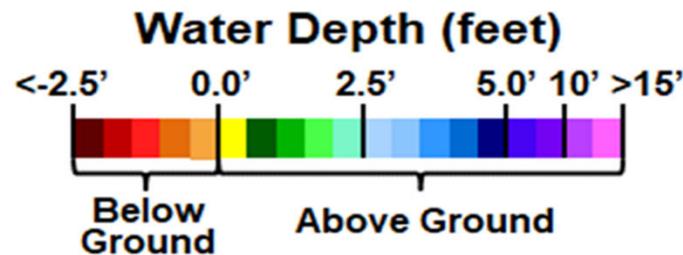
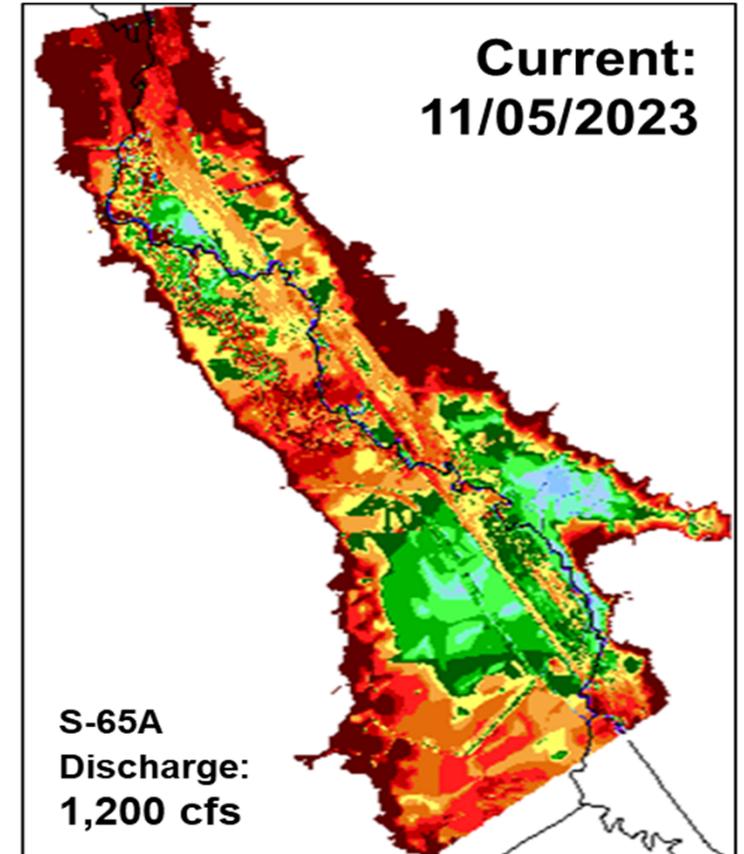
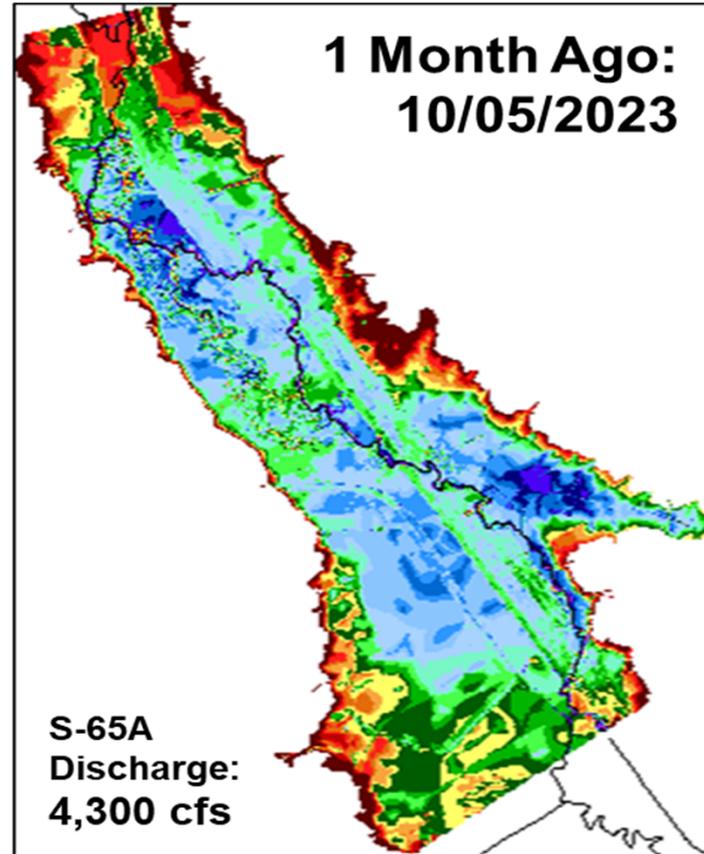
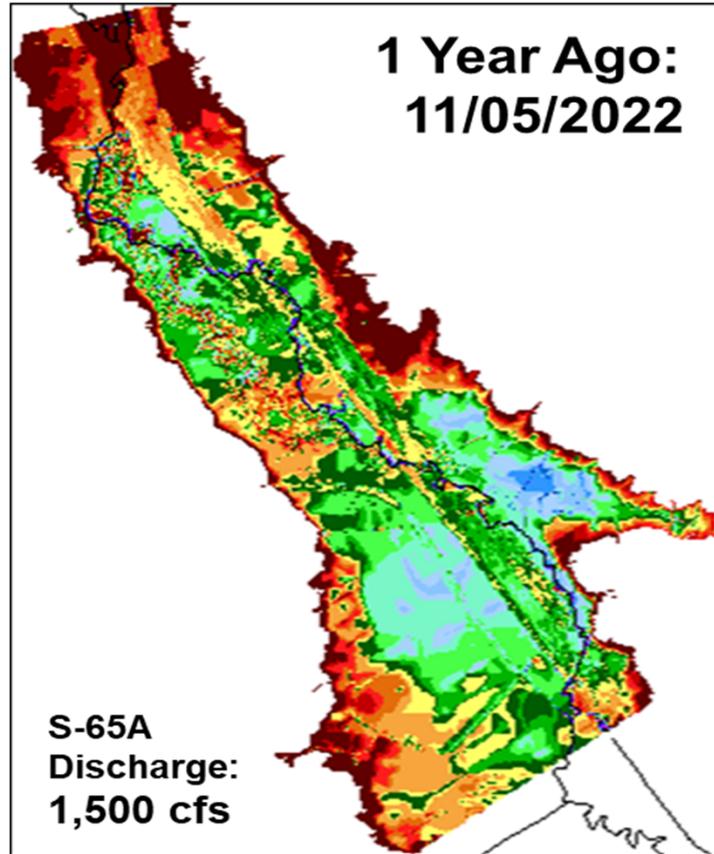
- KCOL provides refuge during droughts
- Played a critical role during population crash, supporting most of state's nests



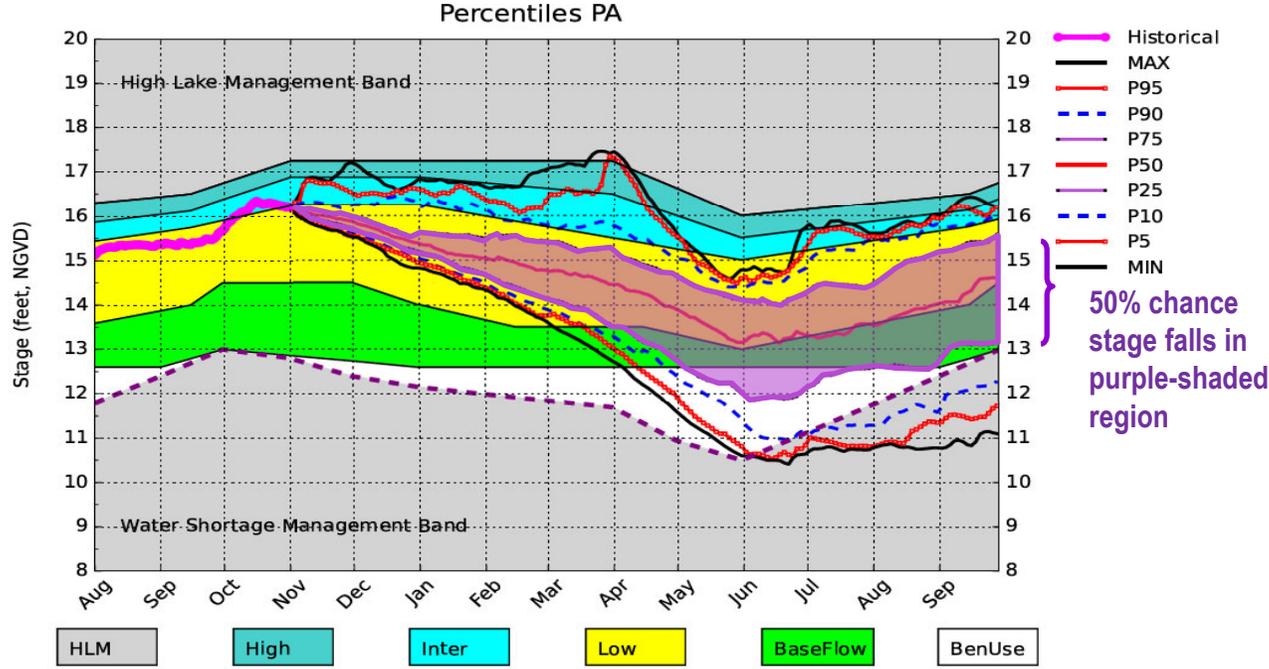
# Kissimmee River Discharge & Dissolved Oxygen



# Kissimmee River Floodplain Inundation



Lake Okeechobee SFWMM November 2023 Position Analysis



11/04/23 17:02:43

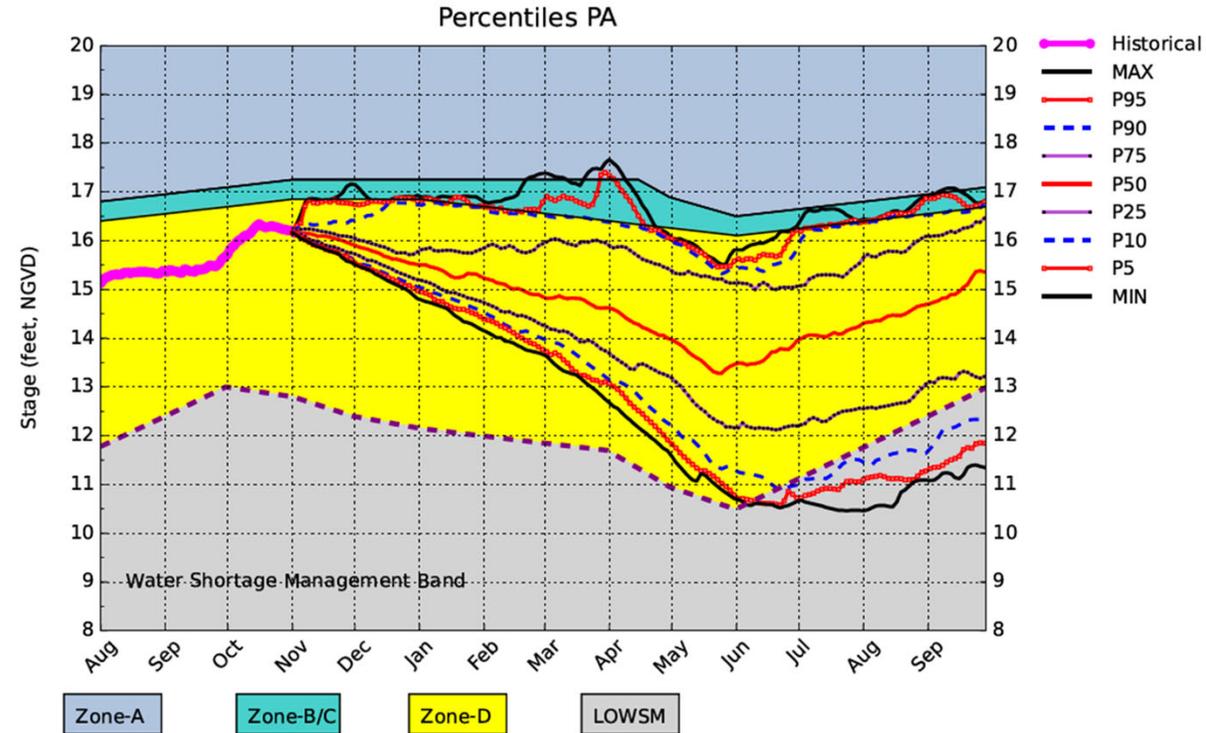
(See assumptions on the Position Analysis Results website)

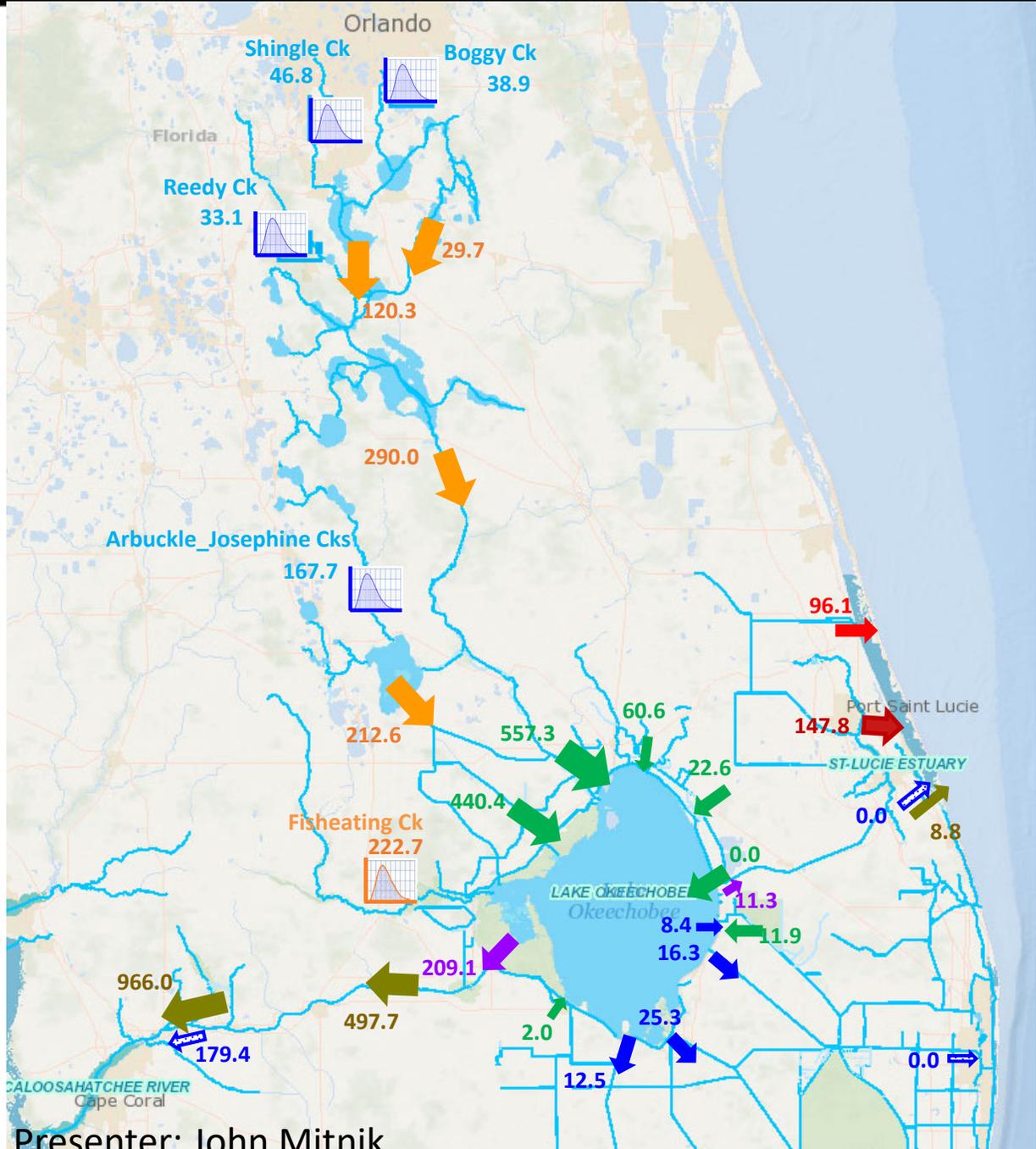
Current Lake Okeechobee Regulation Schedule (LORS2008)

Provisional Tool Under Development for the Proposed July 2023 Water Control Plan (LOSOM PA25)



Lake Okeechobee SFWMM November 2023 Position Analysis





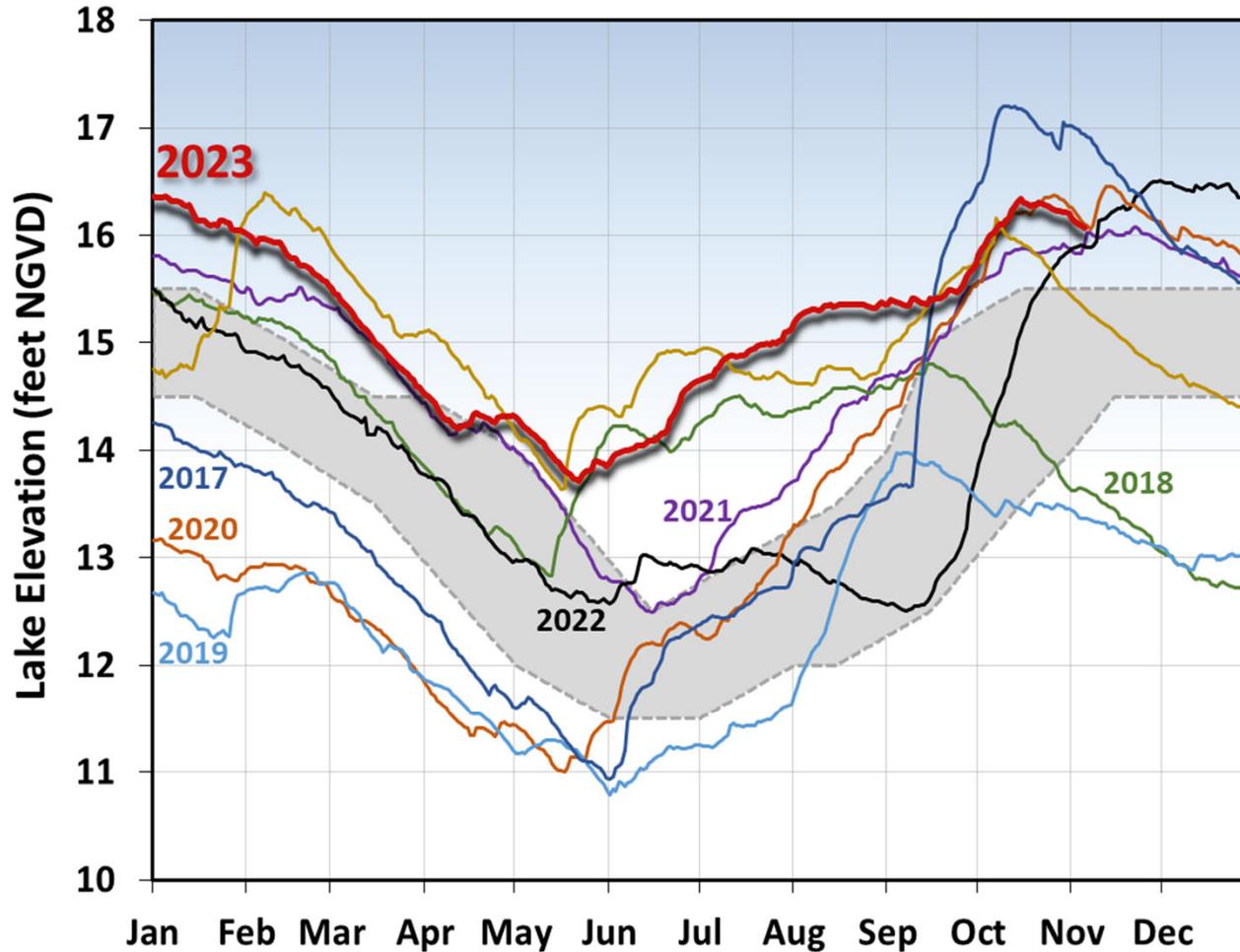
**SFWMD – Selected Release Volumes for the Period May 1, 2023 to November 6, 2023**  
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR2024	Last Month
	Upper Kissimmee to Lower Kissimmee	290.0	91.1
	Inflows to Lake Okechobee (including Fisheating Creek)	1,317.5	279.9
	Lake Releases and Basin Runoff	974.8	120.1
	Lake Releases East and West	220.4	57.2
	Lake Flood Control to Estuaries	179.4	49.5
	Total Lake Releases South	62.6	30.2
	Releases to Indian River Lagoon	96.1	11.5
	Upper East Coast discharges to St. Lucie Estuary	147.8	15.5
	Uncontrolled flows - Creeks (does not include Fisheating Creek)	286.6	55.8

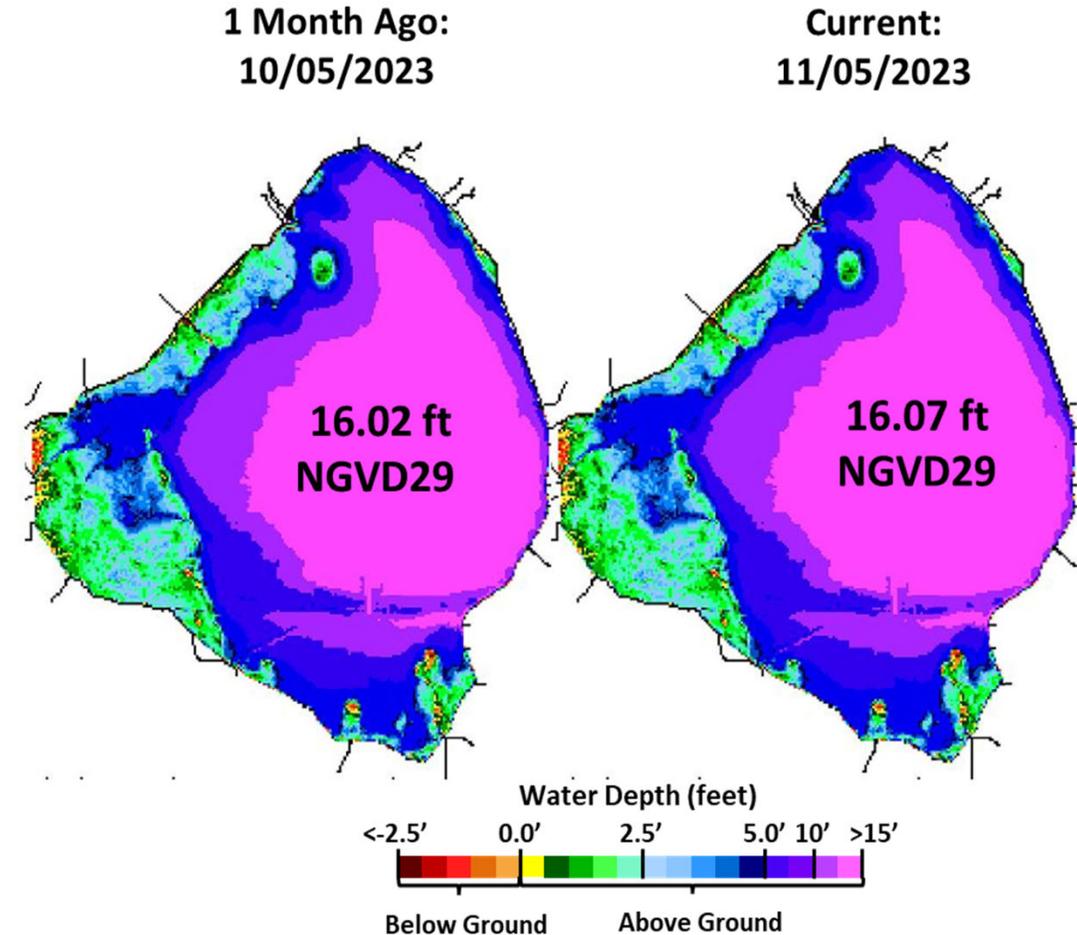
**1,000 acre-feet = 325.9 Million Gallons**

# Ecological Envelope and Water Depths

Lake Okeechobee Stage vs Ecological Envelope



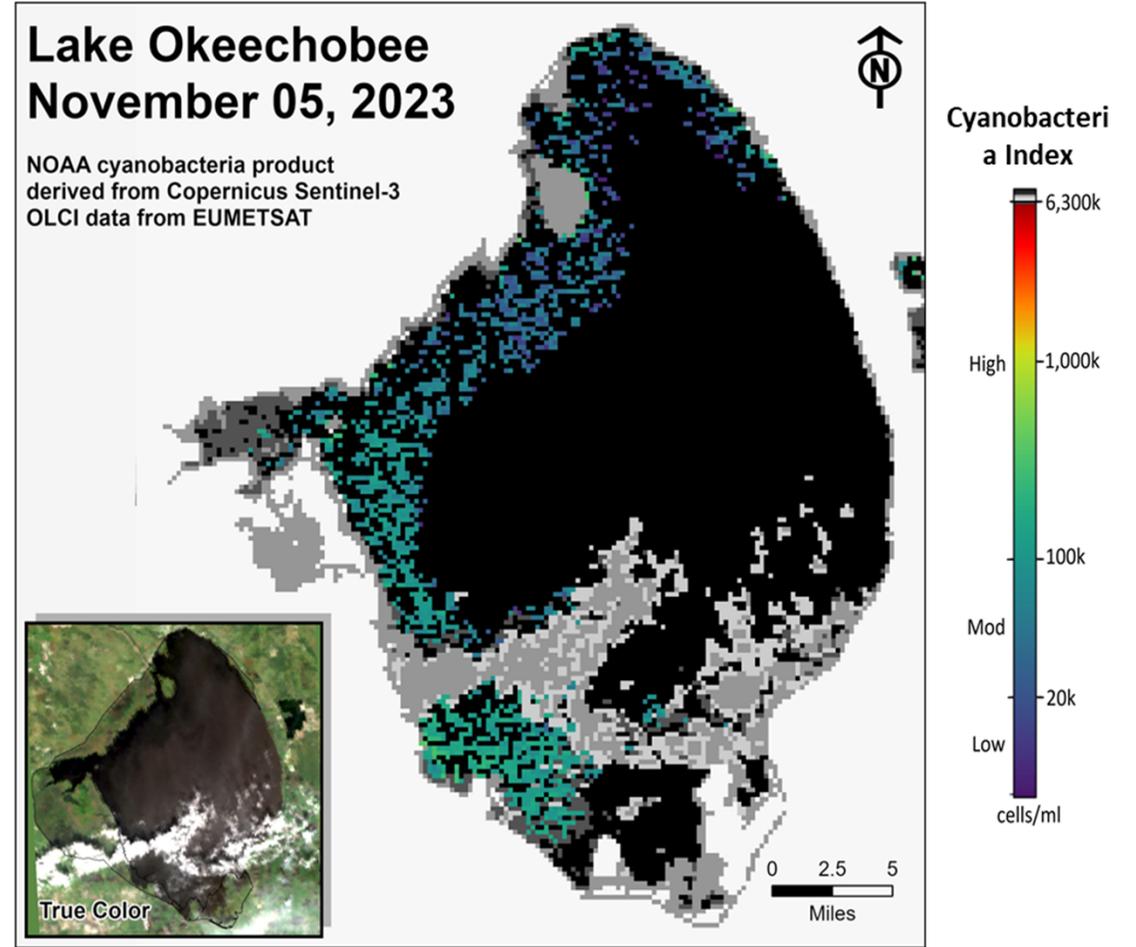
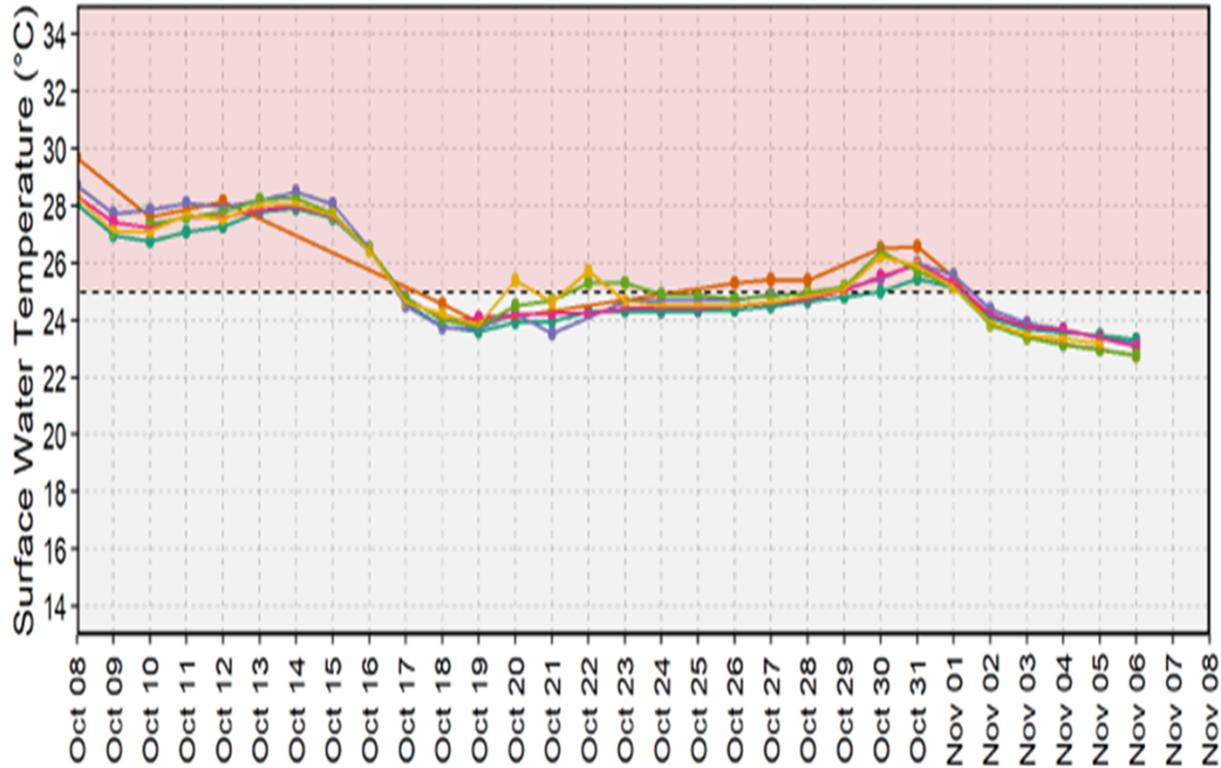
Changes in Water Depth



# Lake Okeechobee

## Cyanobacteria Bloom Distribution and Intensity

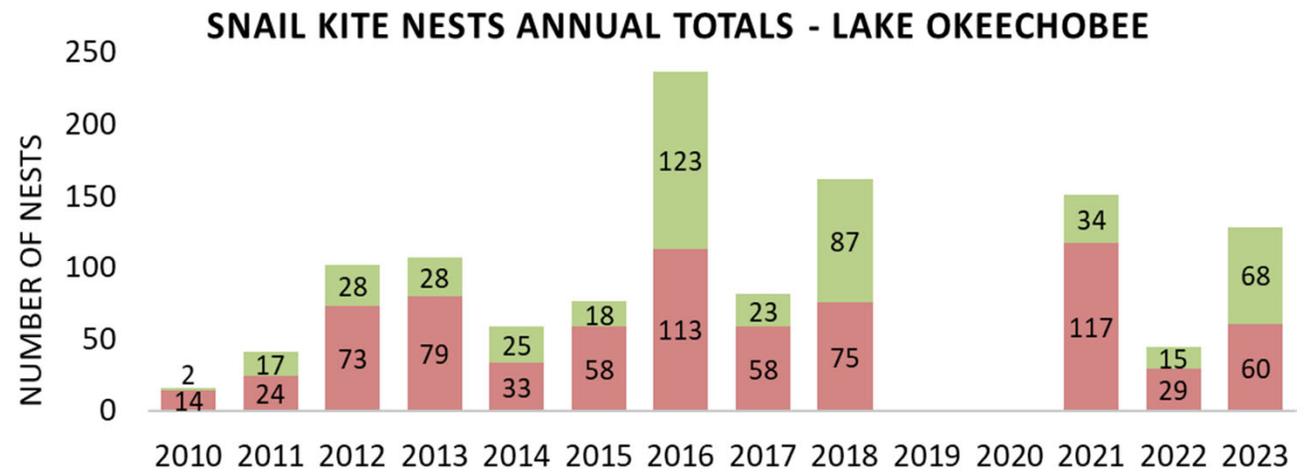
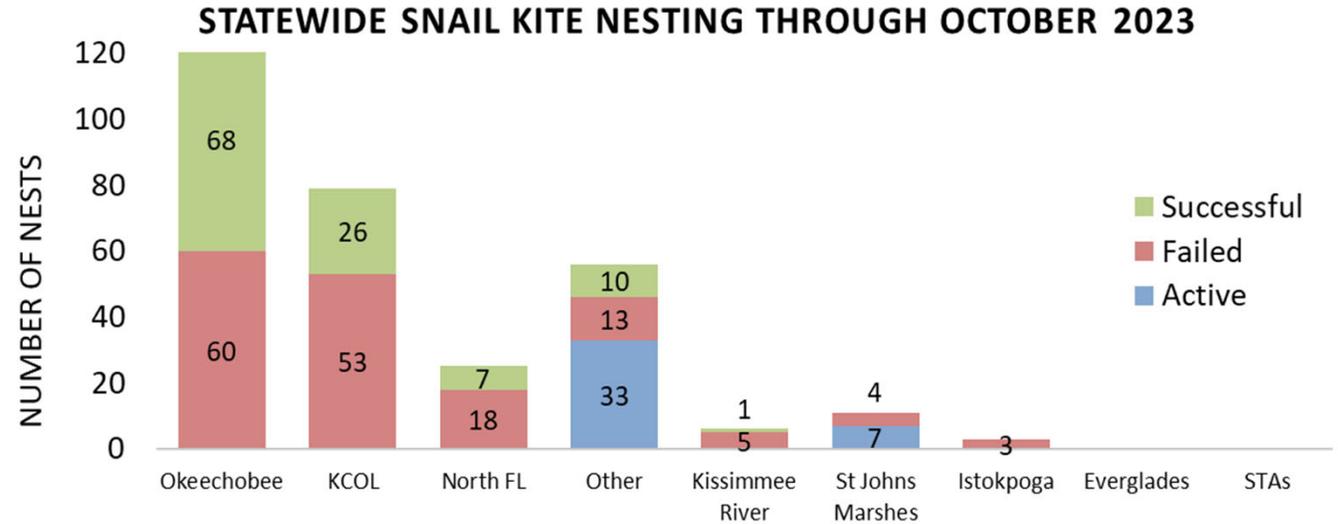
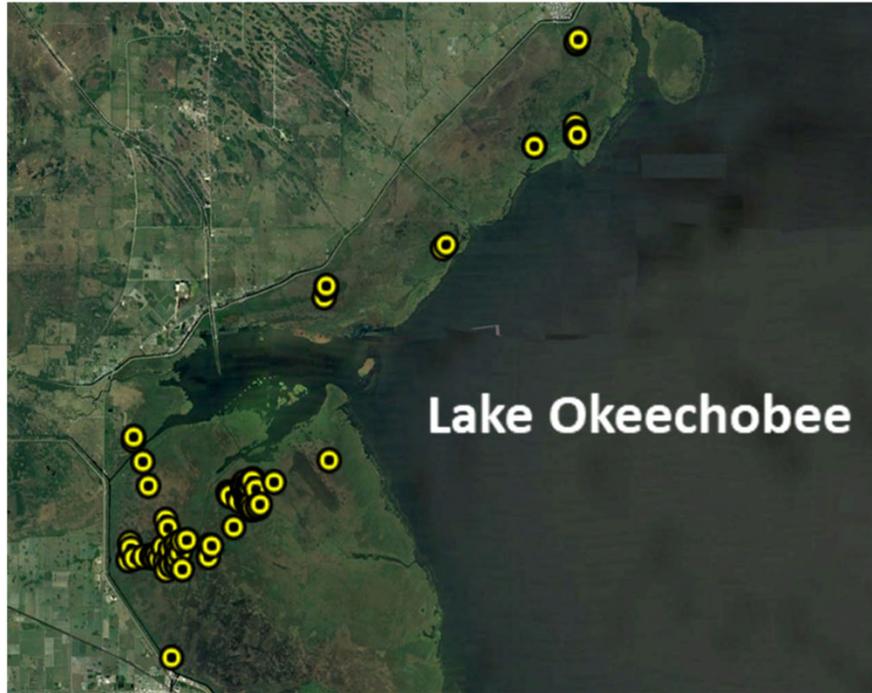
◆ L001 ◆ L006 ◆ POLESOUT1  
◆ L005 ◆ LZ40 ◆ POLESOUT3



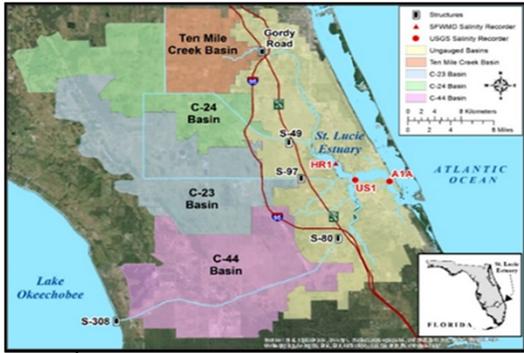
NOAA cyanobacteria product derived from Copernicus Sentinel-3 OLCI data from EUMETSAT

Maps' Source: <https://coastalscience.noaa.gov/science-areas/habs/hab-monitoring-system/cyanobacteria-algal-bloom-satellite-lake-okeechobee-fl/>

# Lake Okeechobee Snail Kite Nesting

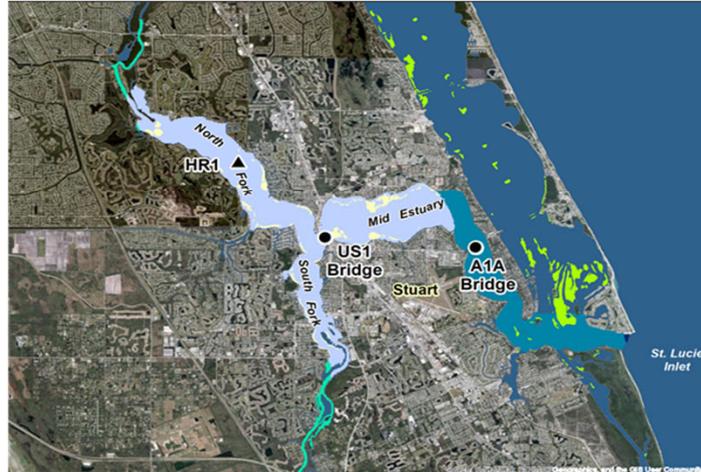
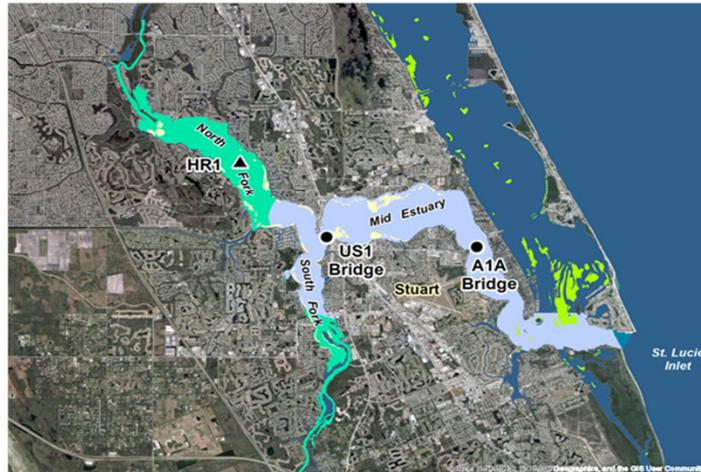
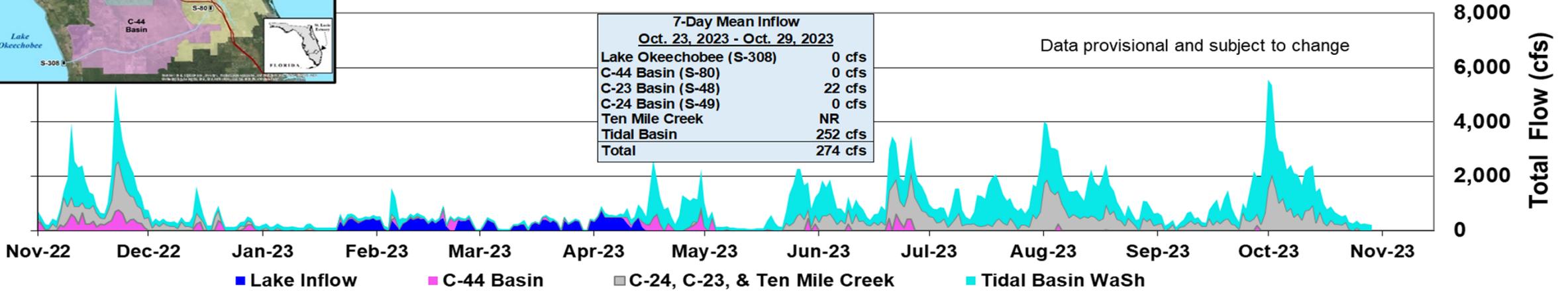


# St. Lucie Inflows and Salinity Conditions

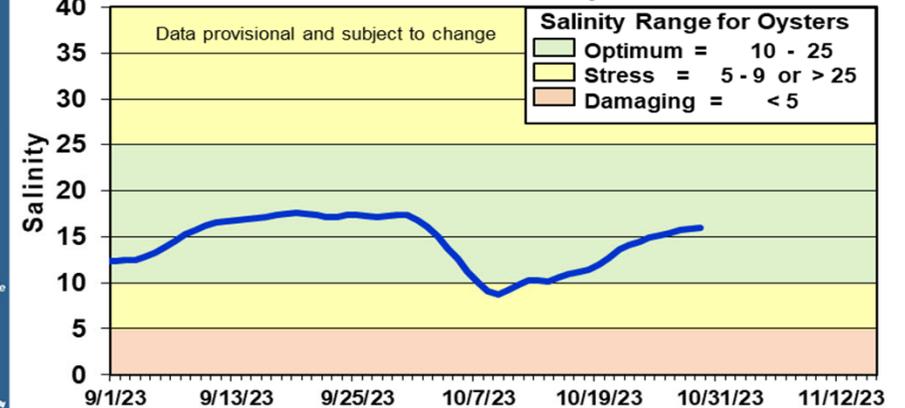


Total Daily Inflow into the St. Lucie Estuary

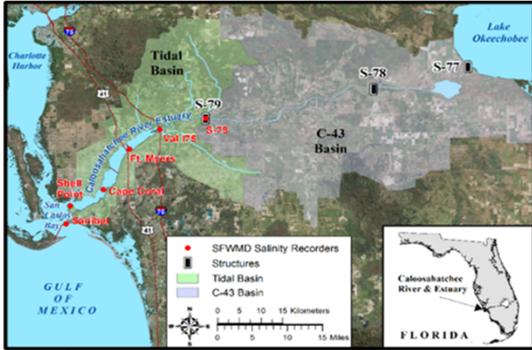
7-Day Mean Inflow Oct. 23, 2023 - Oct. 29, 2023	
Lake Okeechobee (S-308)	0 cfs
C-44 Basin (S-80)	0 cfs
C-23 Basin (S-48)	22 cfs
C-24 Basin (S-49)	0 cfs
Ten Mile Creek	NR
Tidal Basin	252 cfs
<b>Total</b>	<b>274 cfs</b>



Seven-day mean salinity of the water column at US1 Bridge in the St. Lucie Estuary



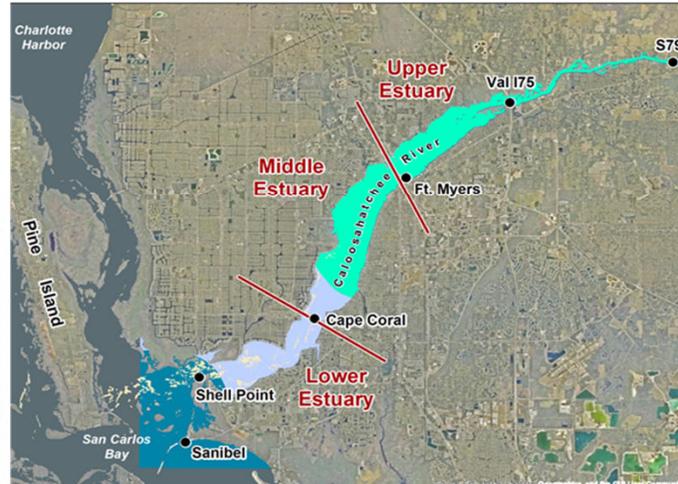
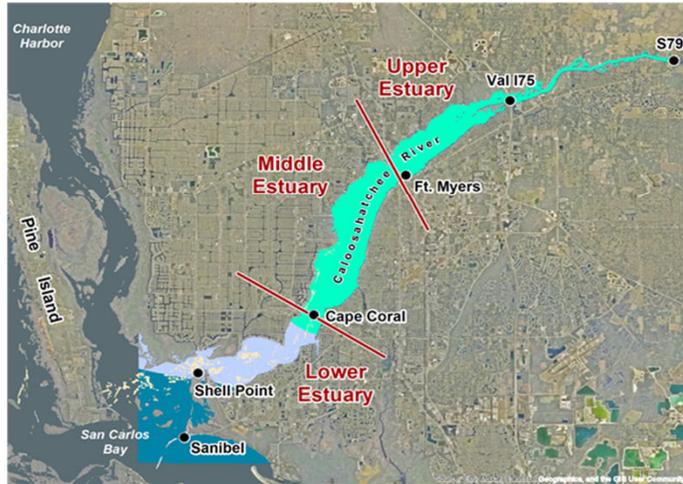
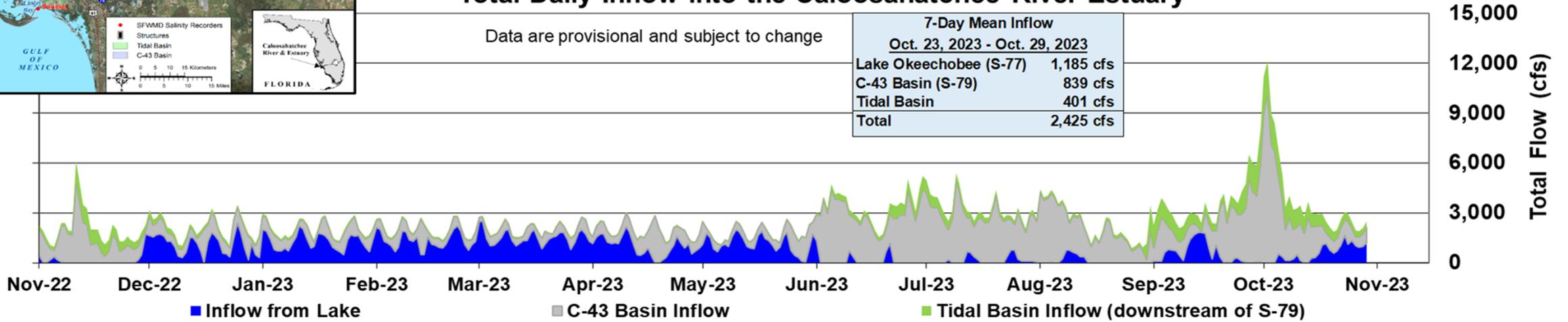
# Caloosahatchee Inflows and Salinity Conditions



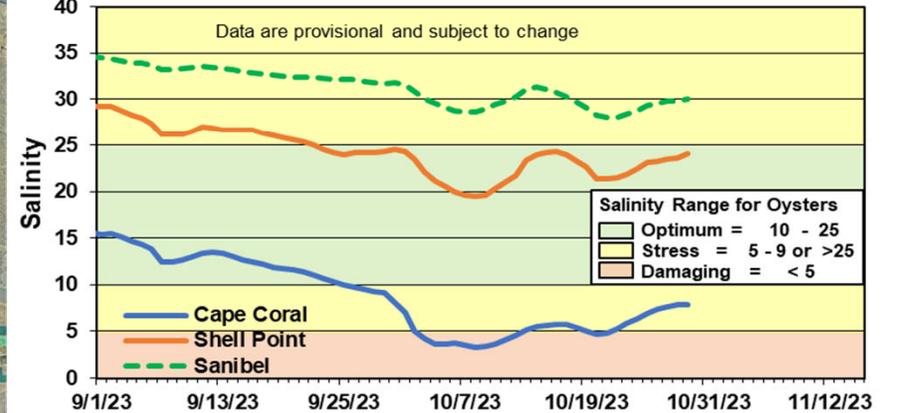
## Total Daily Inflow into the Caloosahatchee River Estuary

Data are provisional and subject to change

7-Day Mean Inflow Oct. 23, 2023 - Oct. 29, 2023	
Lake Okeechobee (S-77)	1,185 cfs
C-43 Basin (S-79)	839 cfs
Tidal Basin	401 cfs
<b>Total</b>	<b>2,425 cfs</b>



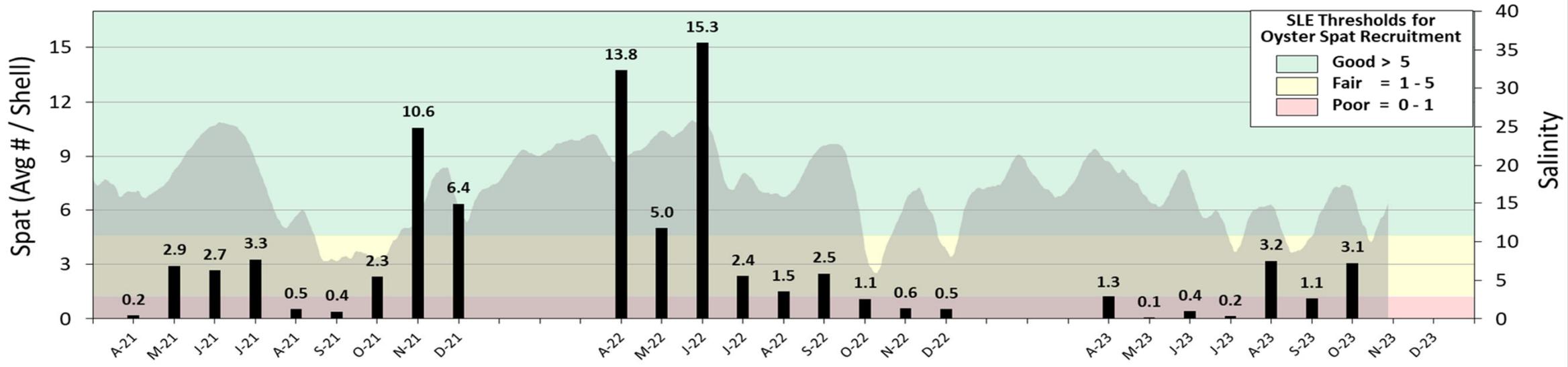
## Seven-day moving average surface and bottom salinities at oyster monitoring sites in the Caloosahatchee River Estuary



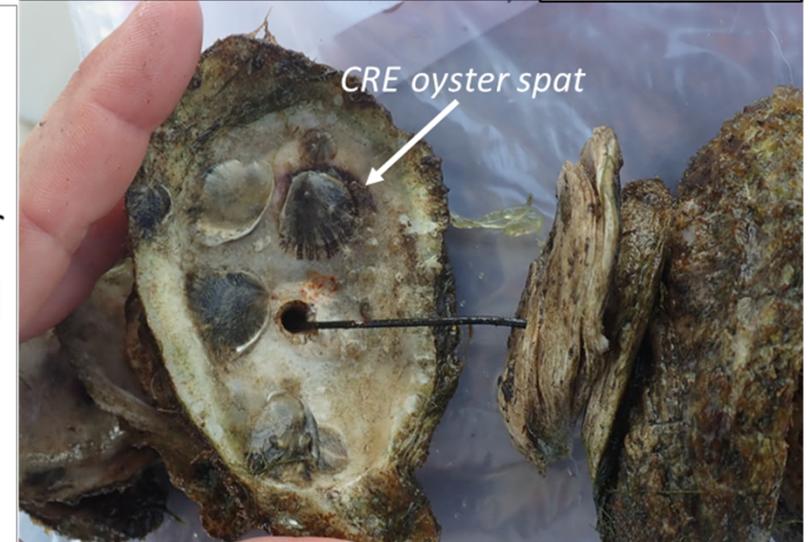
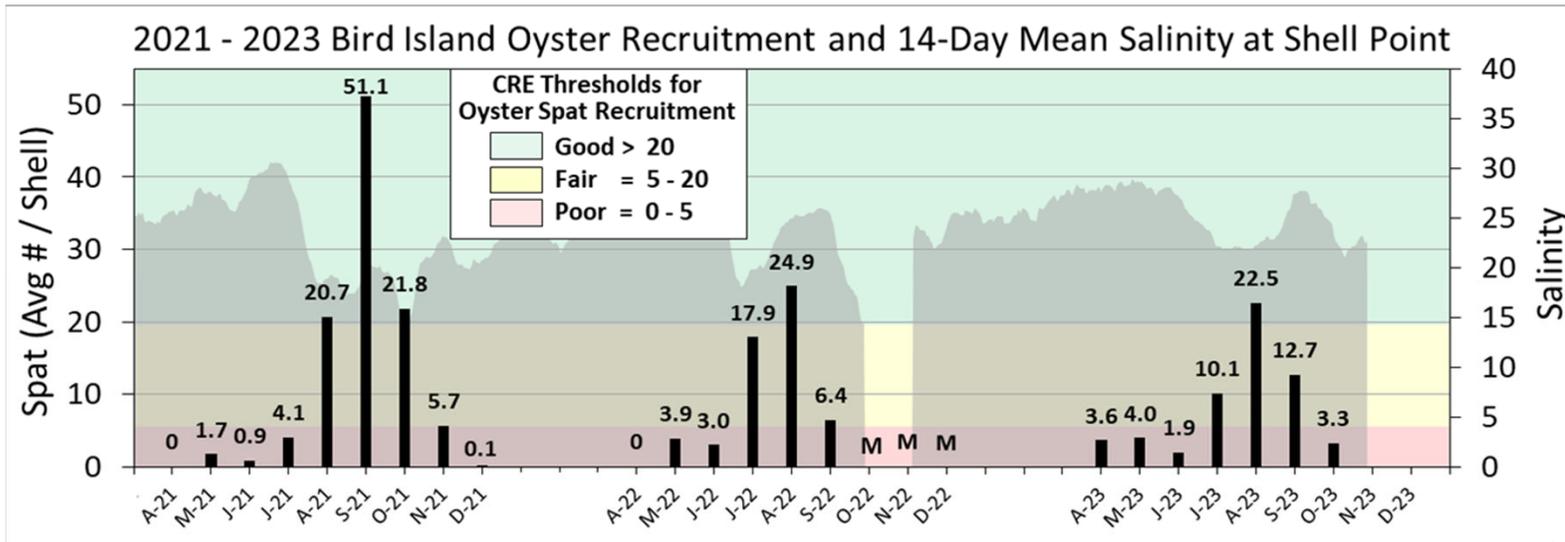
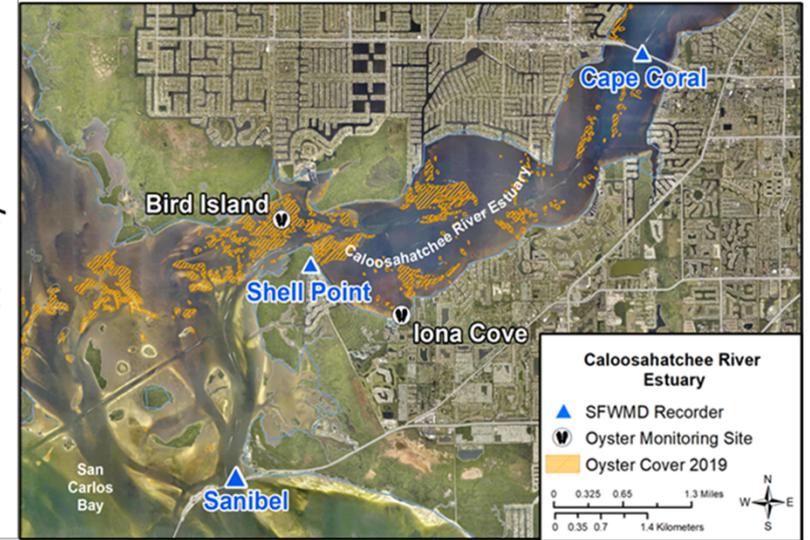
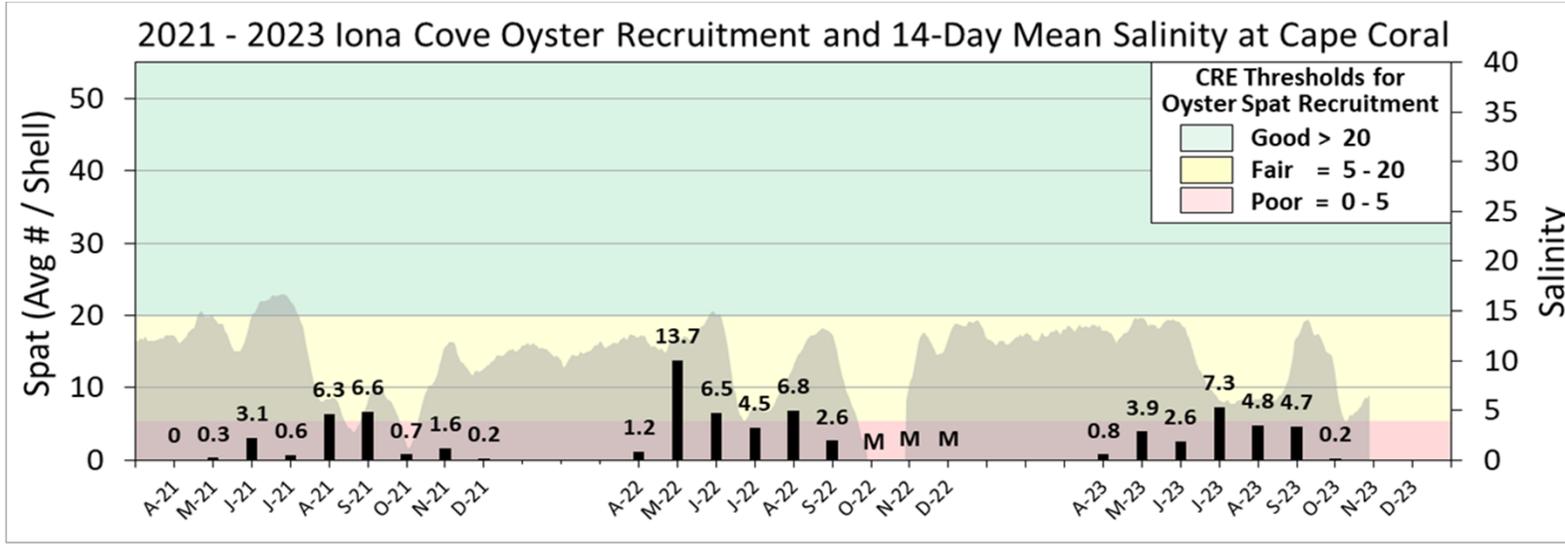
# St. Lucie Estuary Oyster Conditions



2021 - 2023 Rio Oyster Recruitment and 14-Day Mean Salinity at US1 Bridge



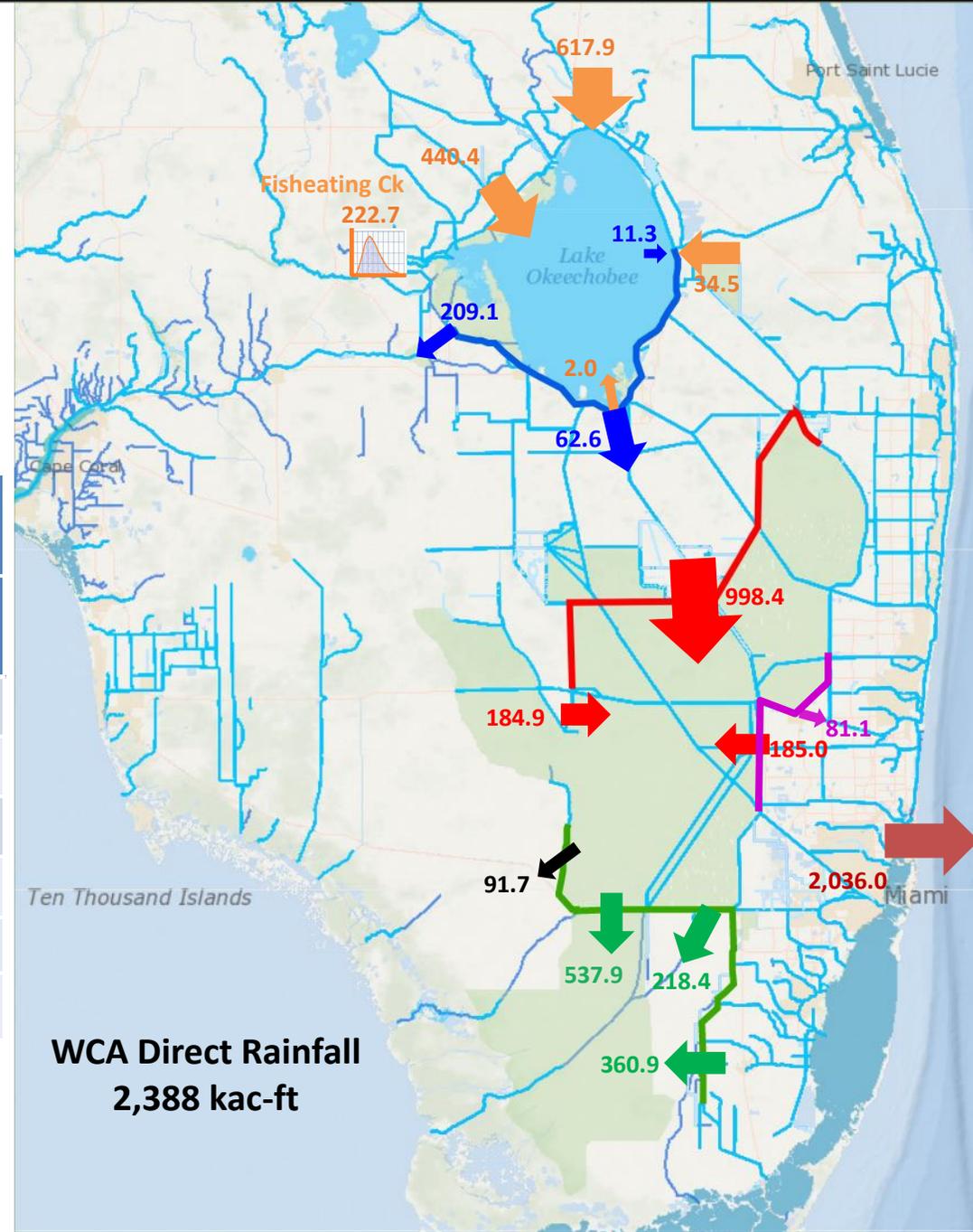
# Caloosahatchee Estuary Oyster Conditions



**SFWMD –Volumes Flowing  
Down the System for the  
Period May 1, 2023 to November 6, 2023**  
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2023	Last Month
	Lake Okeechobee Inflows	1317.5	279.9
	Lake Okeechobee Outflows	283.0	87.4
	WCAs Inflows	1368.4	123.8
	ENP / Detention Cell Inflows	1117.2	245.0
	WCAs to East	81.1	52.4
	Flows to Intracoastal	2036.0	246.6

1,000 acre-feet = 325.9 Million Gallons



**WCA Direct Rainfall**  
**2,388 kac-ft**

**WCA Inflows  
(May 1 – Nov 6)**

**WCA-1**

*Rain*

43.5 inches  
507.0 kac-ft

*STA-1E*

104.3 kac-ft

*STA-1W*

153.8 kac-ft

**WCA-2A**

*Rain*

41.2 in  
359.3 kac-ft

*STA-2*

262.7 kac-ft

*STA-3/4*

137.0 kac-ft

**WCA-3A**

*Rain*

37.0 in  
1,521.7 kac-ft

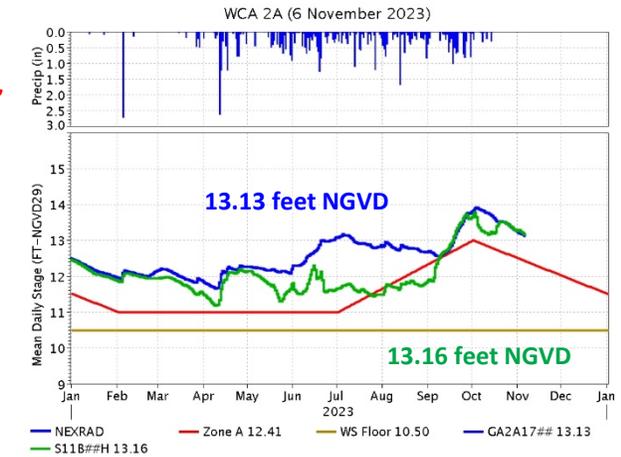
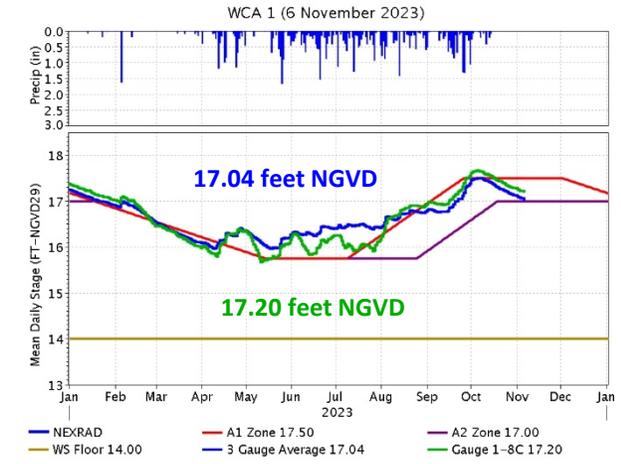
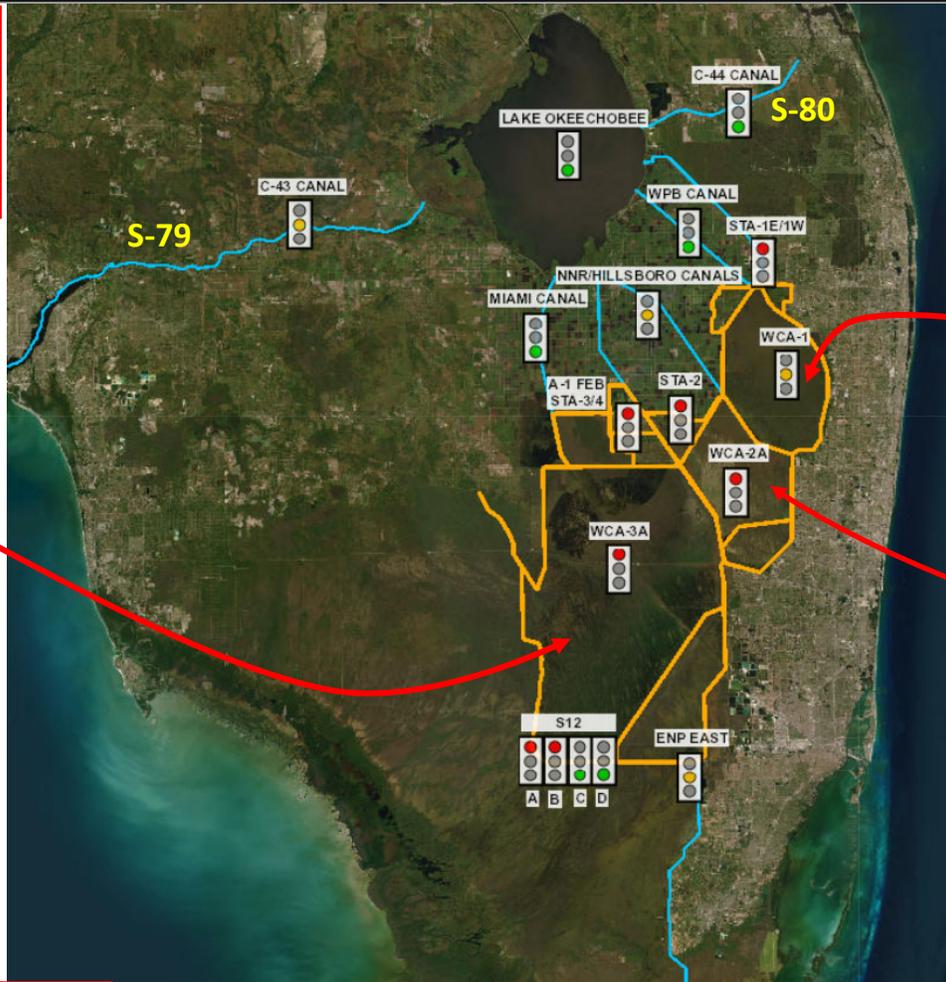
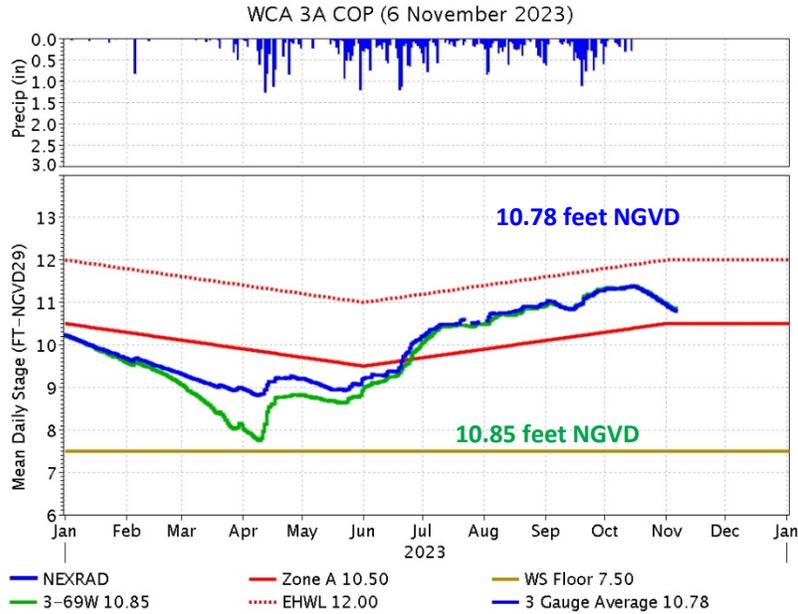
*STA-3/4*

168.8 kac-ft

*STA-5/6*

171.9 kac-ft

Lake Okeechobee stage is in the Low Sub-band of the LORS-2008 Regulation schedule. LORS release guidance suggests No Releases to the WCAs. S-79 up to 450 cfs and S-80 up to 200 cfs. Using LORS 2008 flexibility, USACE started to bank releases lake regulatory on September 16, 2023.

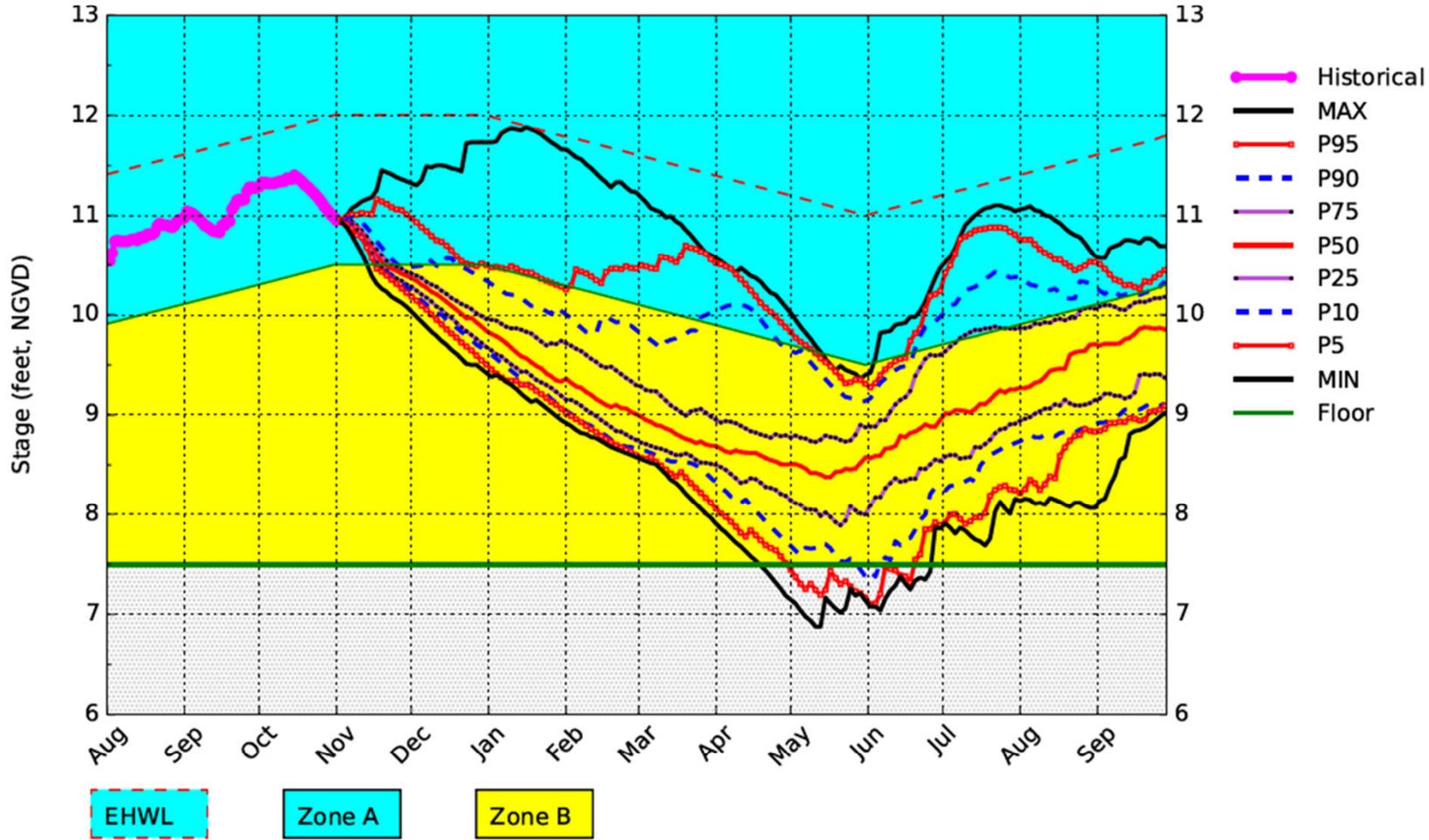


For this week, the Tamiami Trail Flow Formula calls for maximum releases from WCA-3A to NESRS. Current L-29 stage constraint is at 8.3 feet NGVD. South Dade Conveyance System is stable. S-356 remains secured due to L-29 stage constraint. S-332s (B and D) are pumping as needed. S-176 and S-177 are closed. S-18C is currently open and S-197 is closed. LPG-2 stage at 8.5 SMA is below ground. S-357 is pumping as needed to maintain stages 4.5 to 5.0 ft NGVD in the C-357 canal. S-199 S-200 are pumping (no CSSS restrictions).

WCA-1 stage is below regulation schedule; WCA-2A stage is above regulation schedule; WCA-3A stage is above regulation schedule in Zone A. S-10s and S-11s were open but closed now. S12 A&B were closed 11/04/2023 according to COP. S12S (C-D) are fully open. Total S-12s discharge is ~ 1,450 cfs. S-333 and S-333N are limited due to L-29 stage constraint (~ 830 cfs). S-343 A and B closed on 10/01/2023. S-344 is open passing ~ 180 cfs. WCA-1 releases to tide through Hillsboro Canal ended 10/19/2023. WCA-2A reg releases through C-14 (S-38 ~ 400 cfs) ended ~ 11/01/2023. NNR (S-34E ~ 270 cfs) ended by 11/03/2023 and so did WCA-3A passing ~ 400 cfs through S-151, S-31 and S-26 (C-6 Canal) to tide. South Miami-Dade agricultural drawdown operations continue in accordance with the Water Control Plan.

### WCA3A SFWMM November 2023 Position Analysis

Percentiles PA

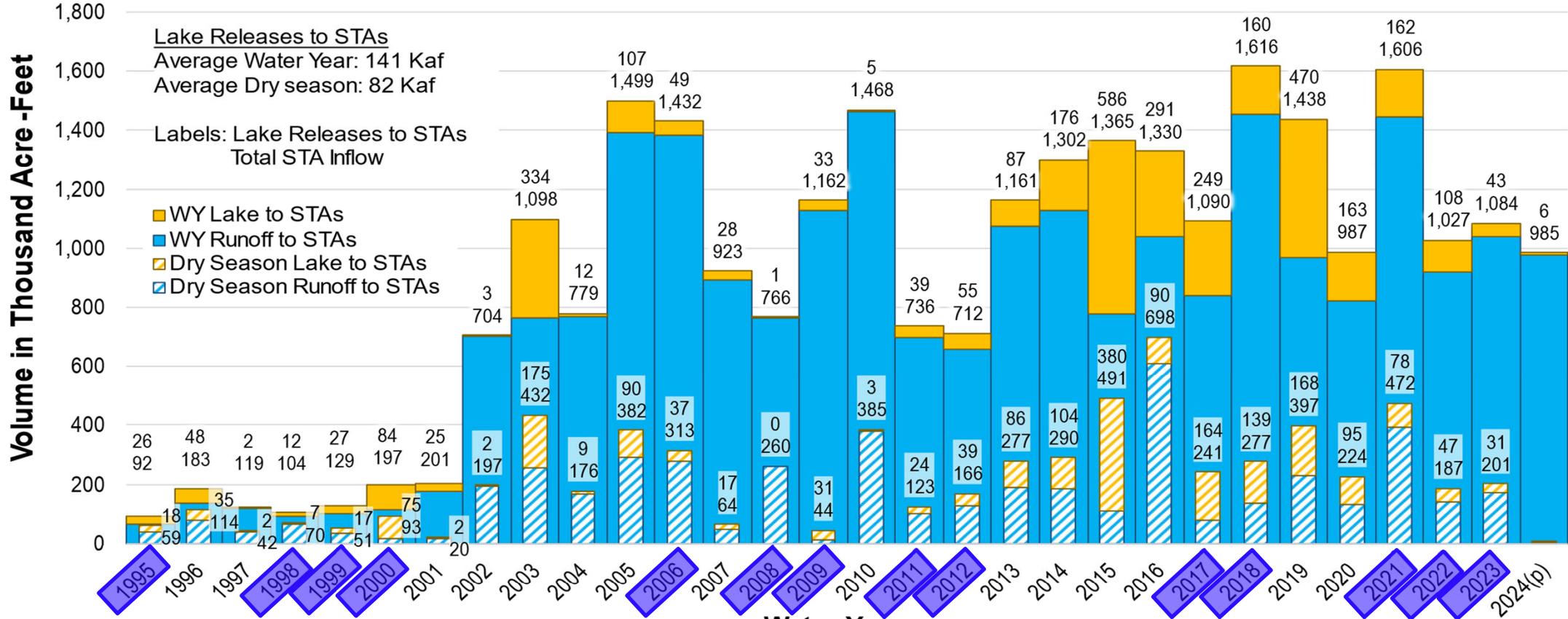


(See assumptions on the Position Analysis Results website)

11/04/23 22:53:29

Presenter: John Mitnik

### Total STA Inflow and Lake Releases to STAs

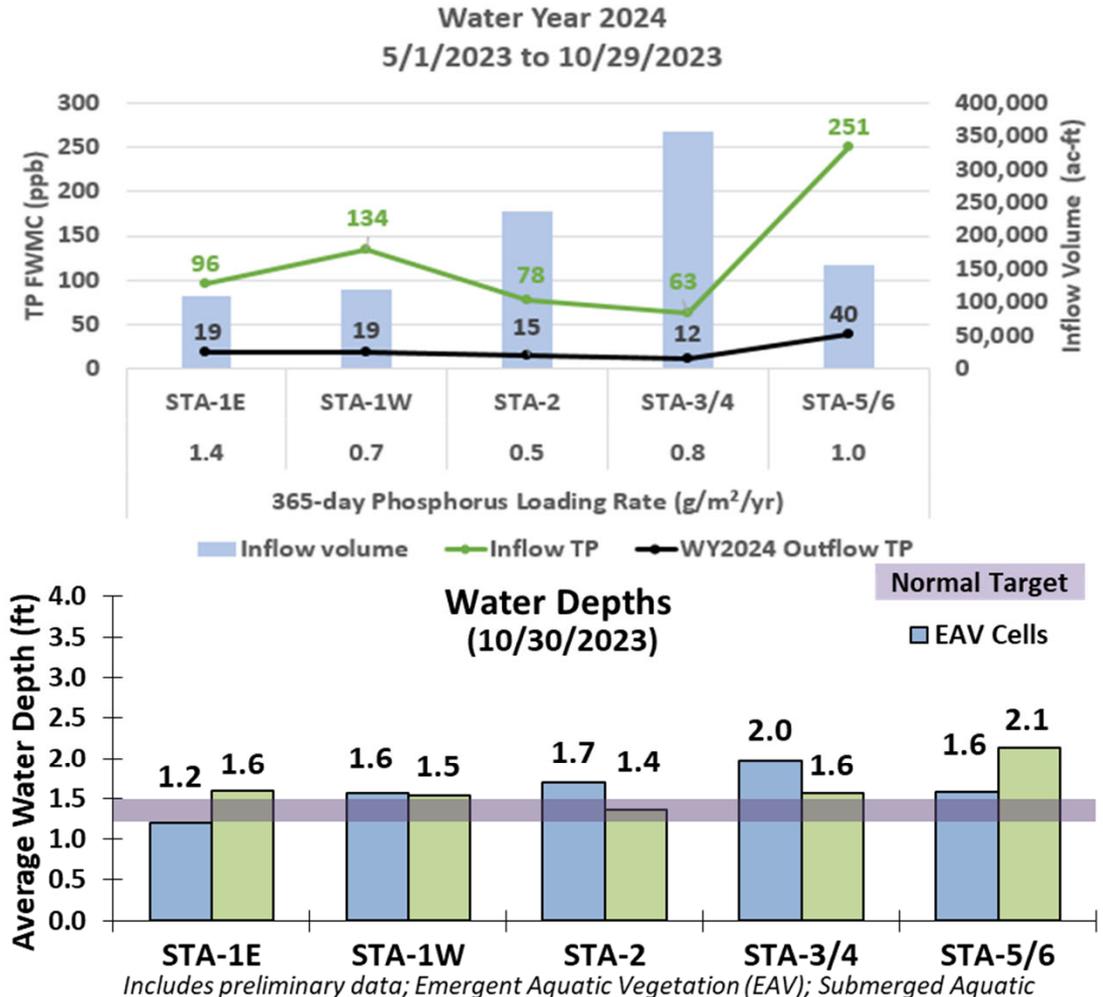


2024(p): Data from May 1, 2023 to Nov 5, 2023.

La Niña Water Years

# Everglades Stormwater Treatment Areas - STAs

- STAs treated basin runoff in October
  - Total WY2024 inflows to STAs (5/1/2023 to 10/29/2023): ~981,000 ac-ft
  - Lake Okeechobee releases to FEB/STAs in WY2024: ~6,000 ac-ft
- Extensive vegetation management activities underway to address stressed and highly stressed vegetation especially in EAV cells
- Most treatment cells are near target depth



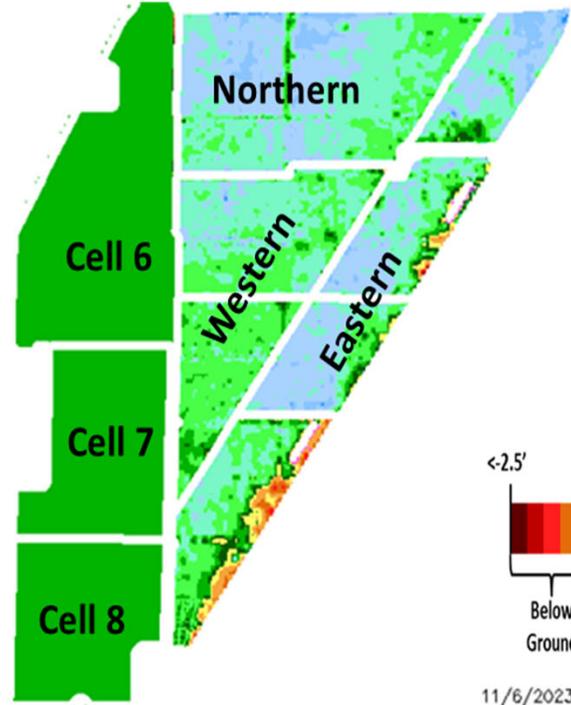
# Stormwater Treatment Areas Water Depths



11/6/2023

Flow-Way	Restrictions
1	On-line
2	On-line; vegetation management
3	On-line
4	On-line; vegetation management
5	On-line

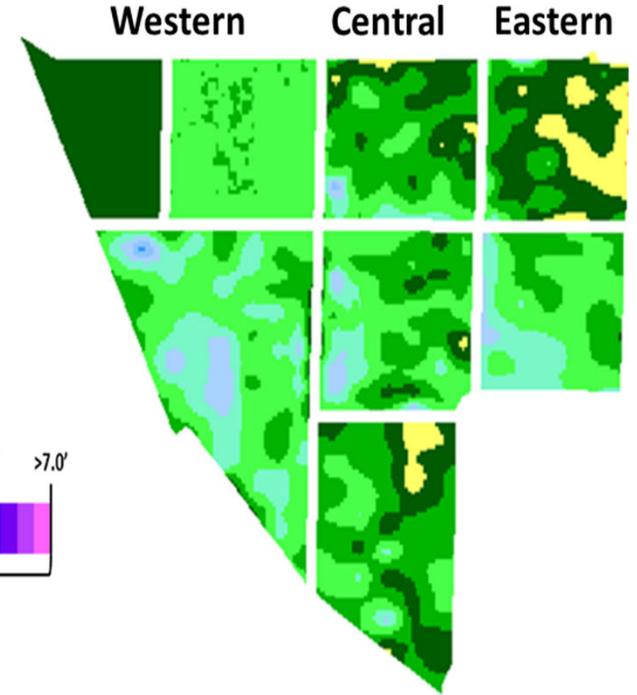
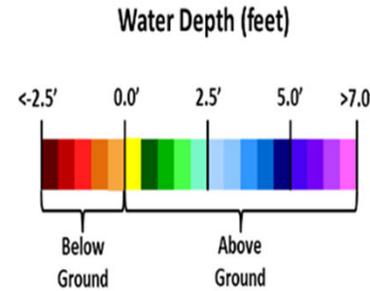
STA-2



11/6/2023

Flow-way	Restrictions
Northern	On-line; vegetation management
Eastern	On-line
Western	On-line
Cell 7	On-line
Cell 8	On-line; construction activities

STA-1W

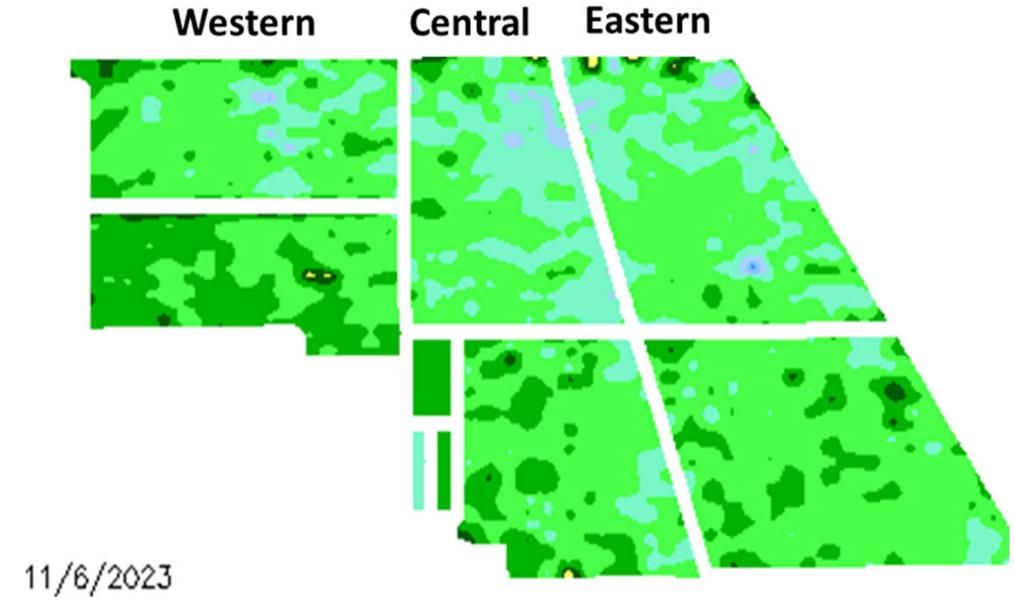
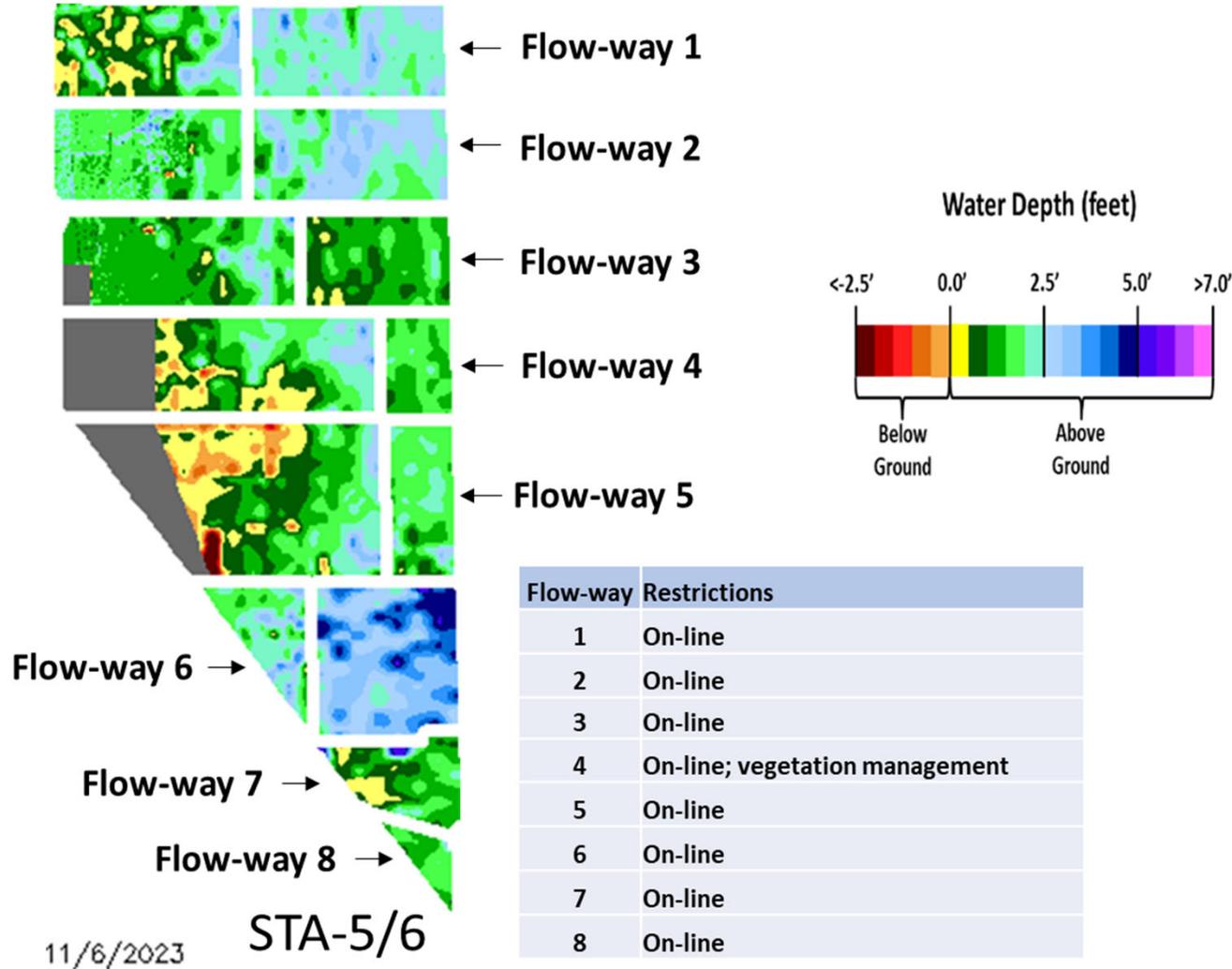


11/6/2023

Flow-way	Restrictions	Back on-line
Western	Off-line; post-construction grow in	November
Central	On-line	
Eastern	On-line	

STA-1E

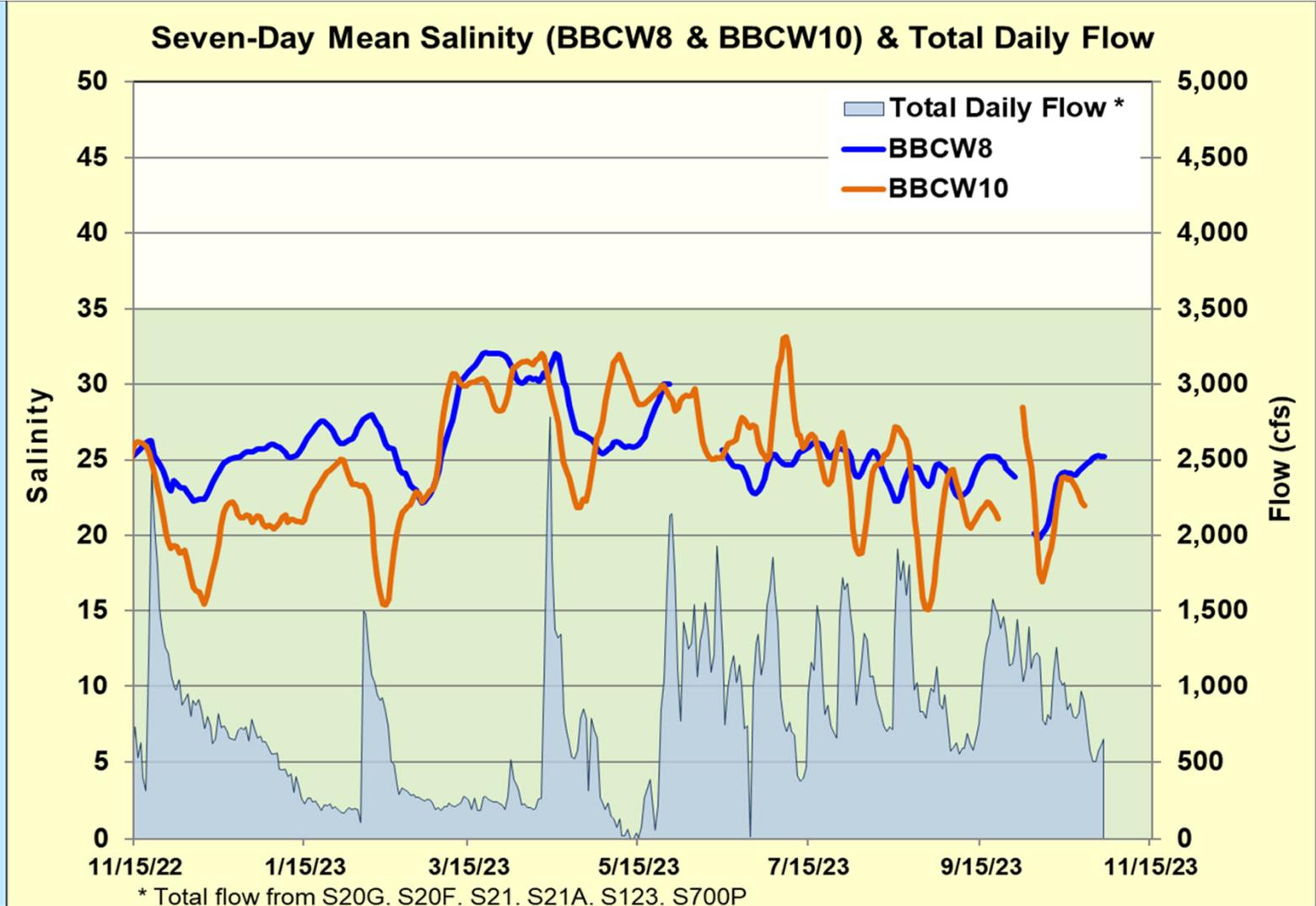
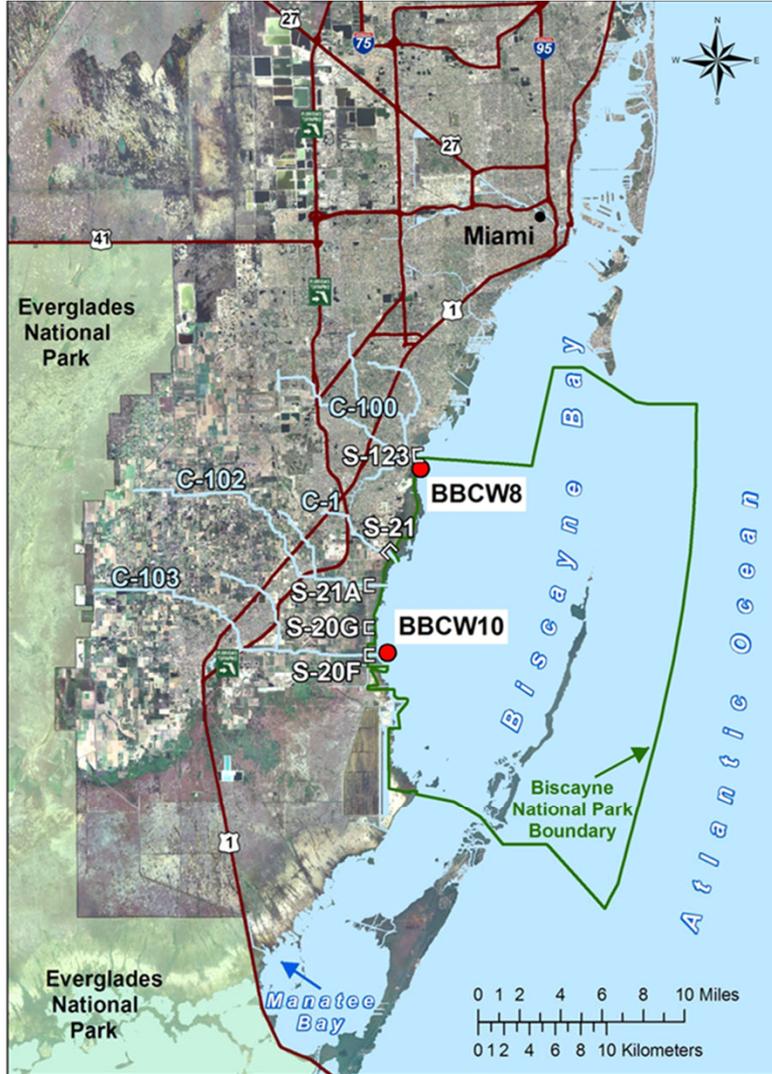
# Stormwater Treatment Areas Water Depths



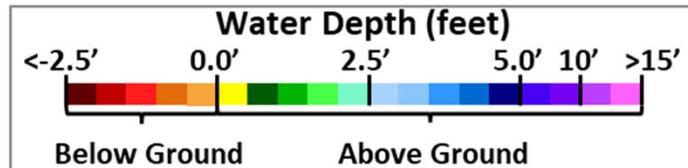
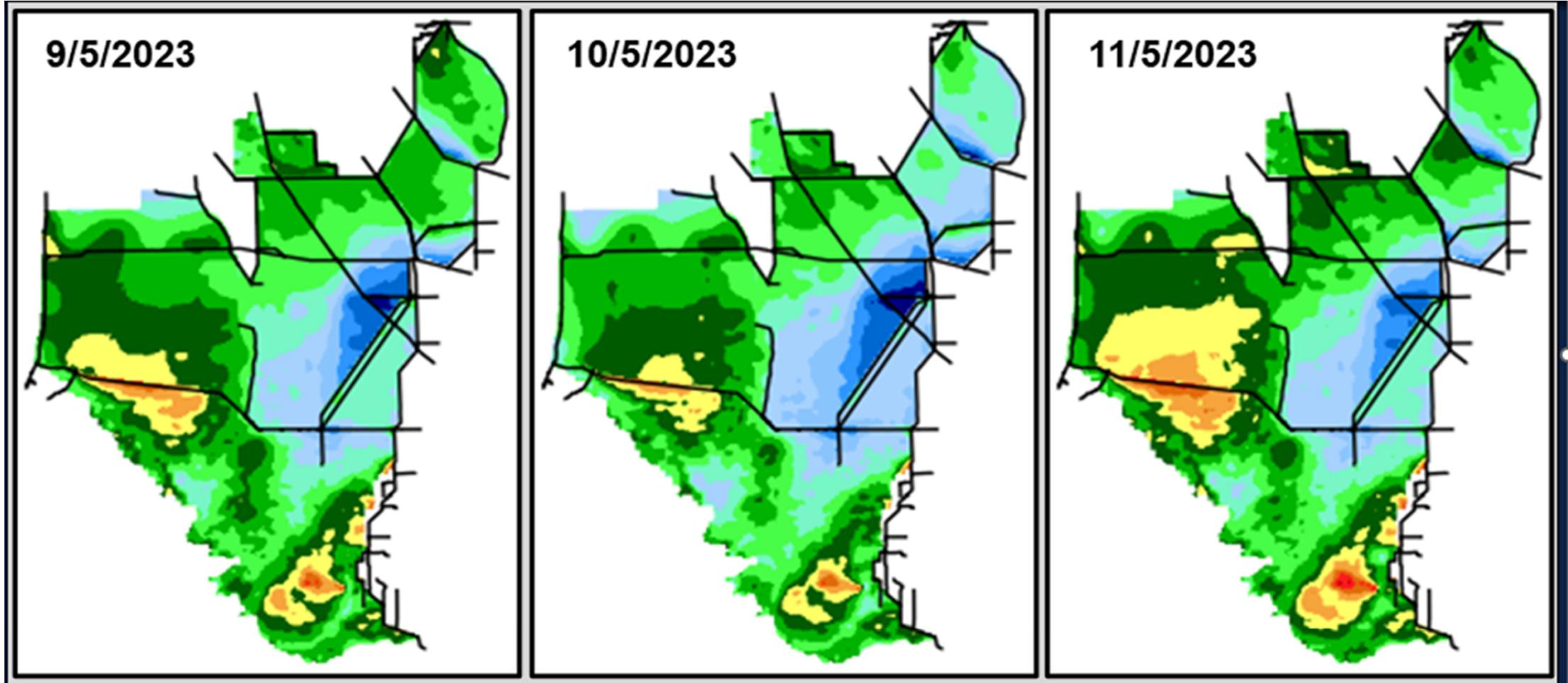
Flow-way	Restrictions
Western	On-line
Central	On-line
Eastern	Online; post-drawdown vegetation grow-in

STA-3/4

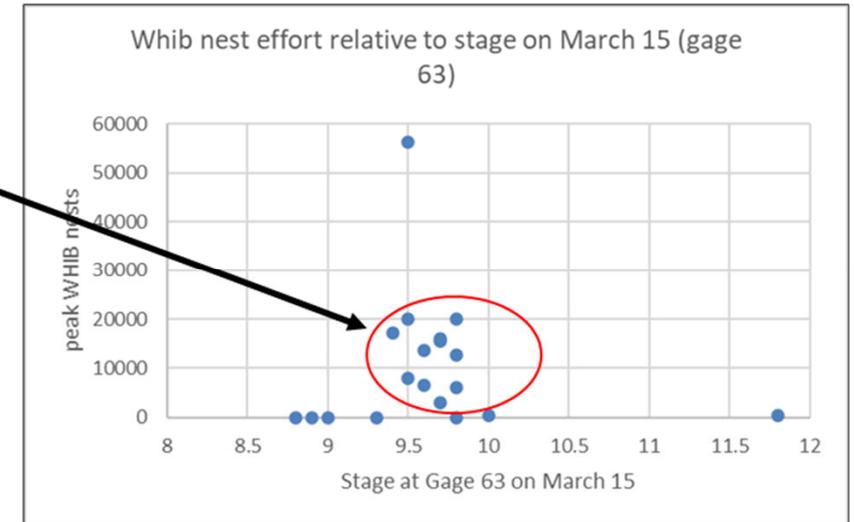
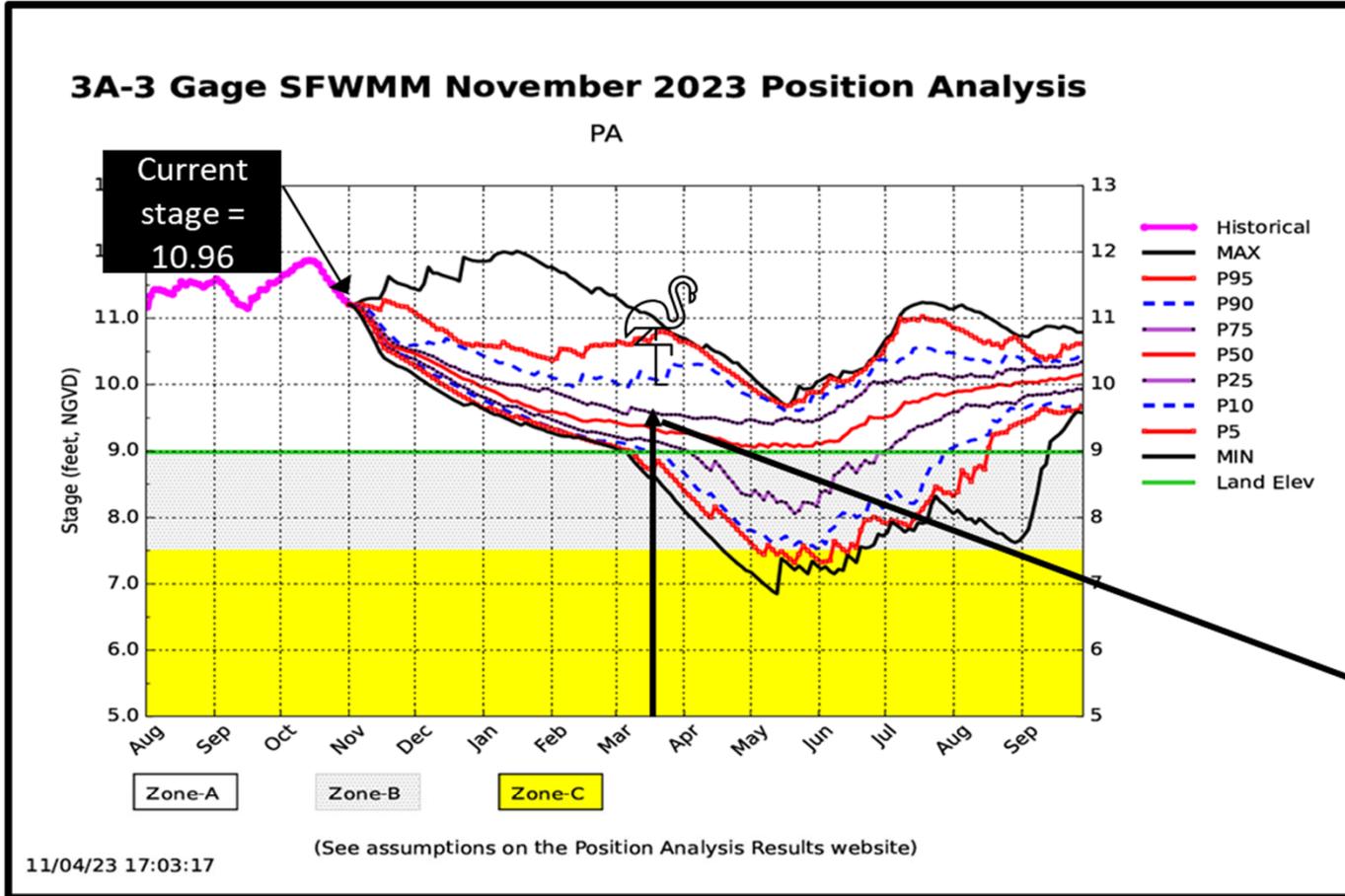
# Biscayne Bay Salinity Conditions



# Everglades Water Depths

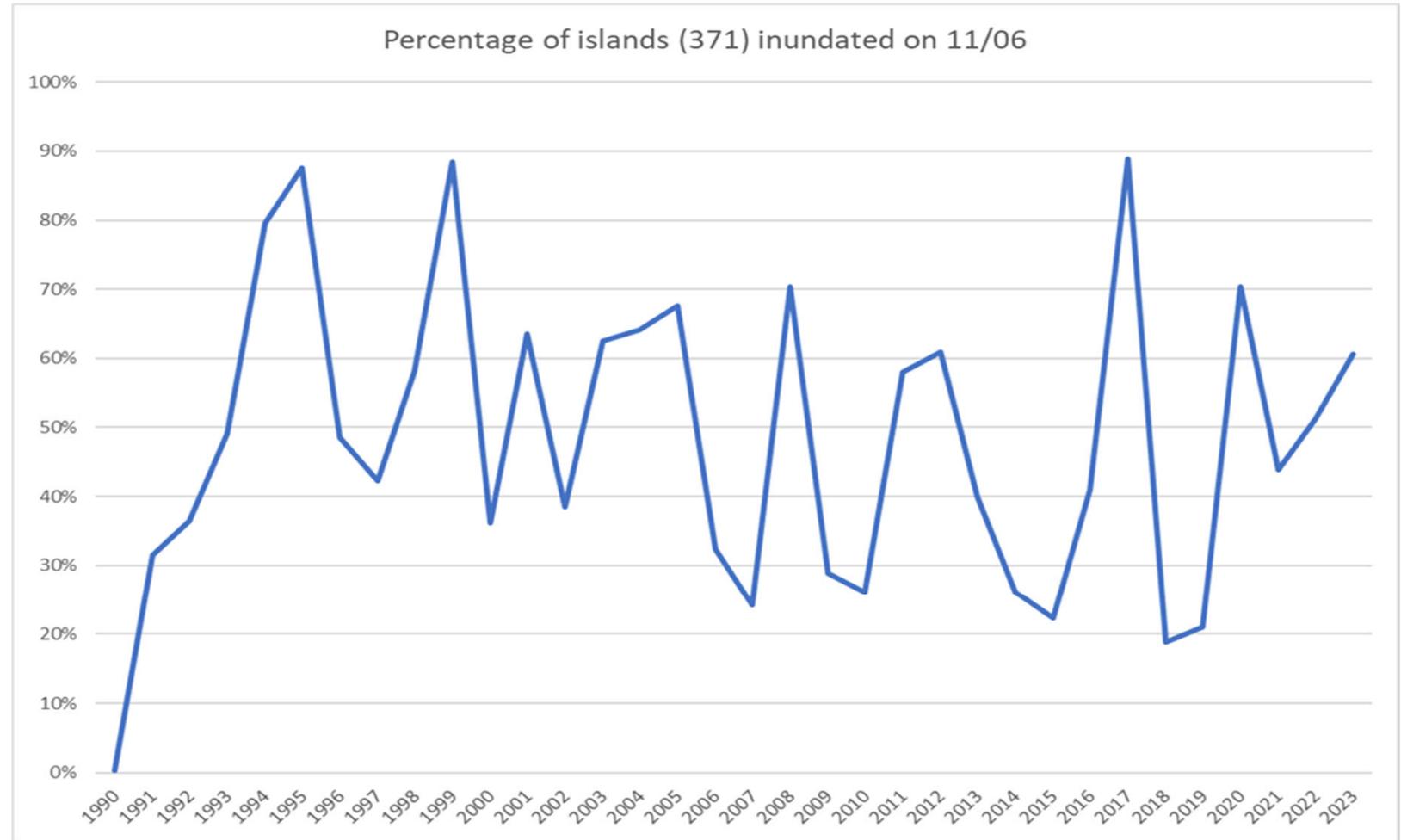
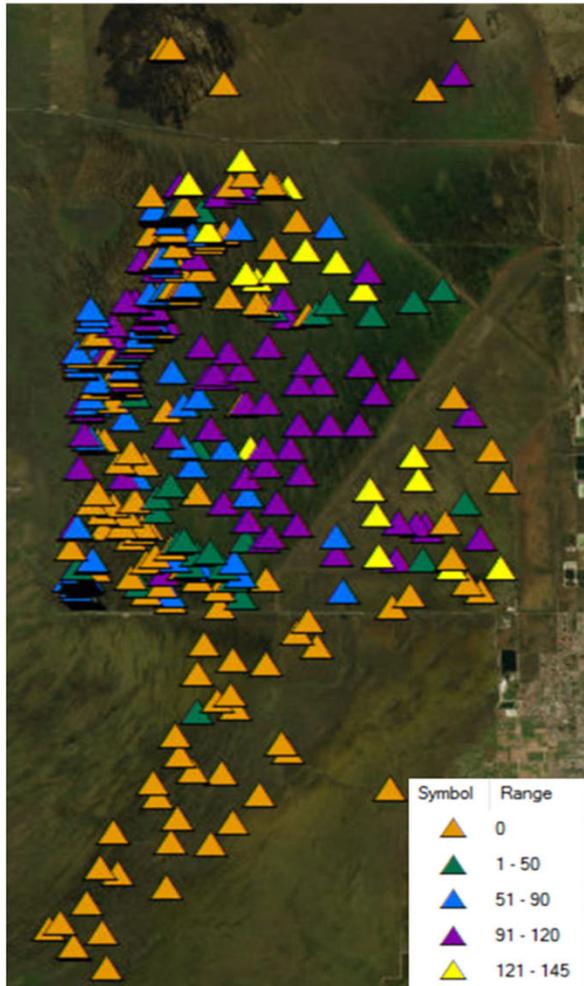


# Ally North Wading Bird Colony Conditions

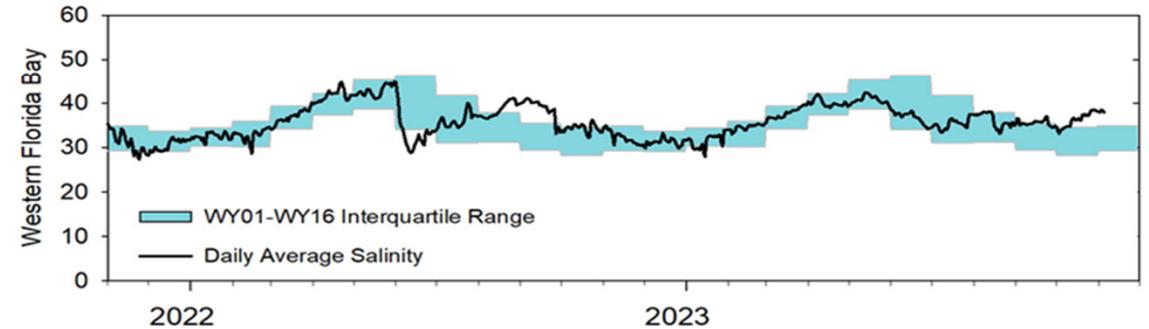
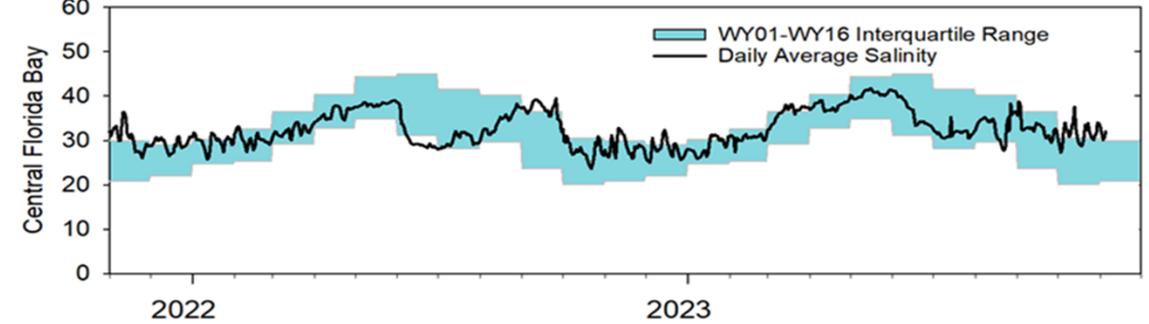
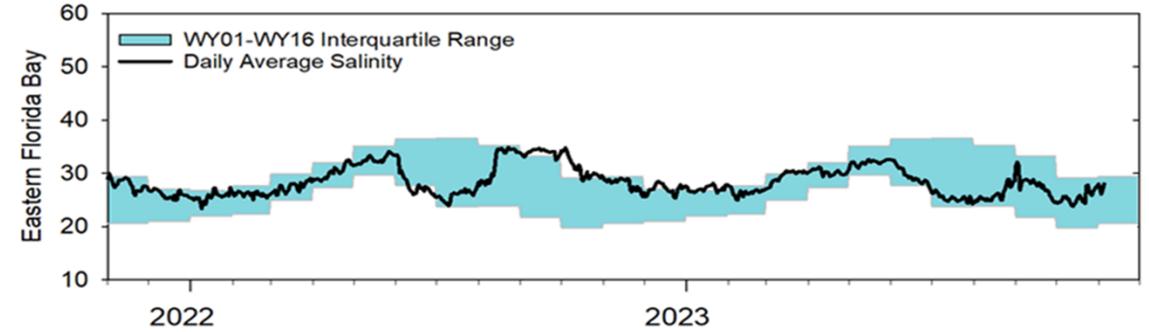
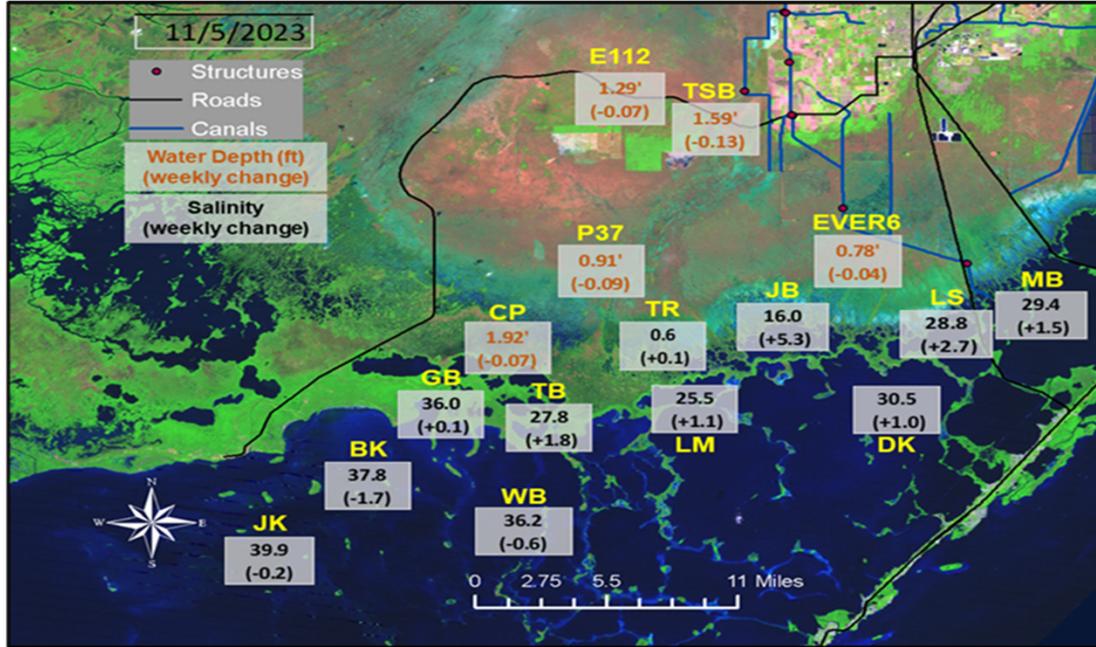


Aim for ~11.5 ft on October 1 and min of 9.4 on Mar 15  
 166 days between Oct 1 and Mar 15 so average recession would be 0.09 ft/wk  
 Optimal recession rate is 0.05-0.12 ft wk

# Tree Island Inundation – 11/6/23

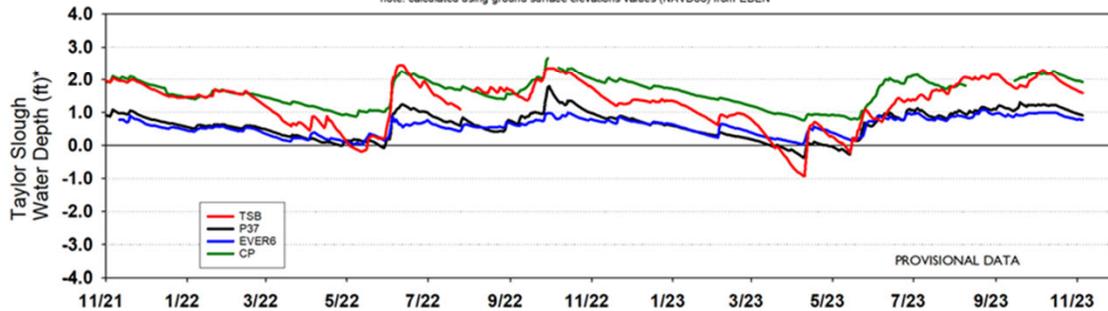


# Florida Bay Salinity



Taylor Slough Water Depths

\*note: calculated using ground surface elevations values (NAVD88) from EDEN

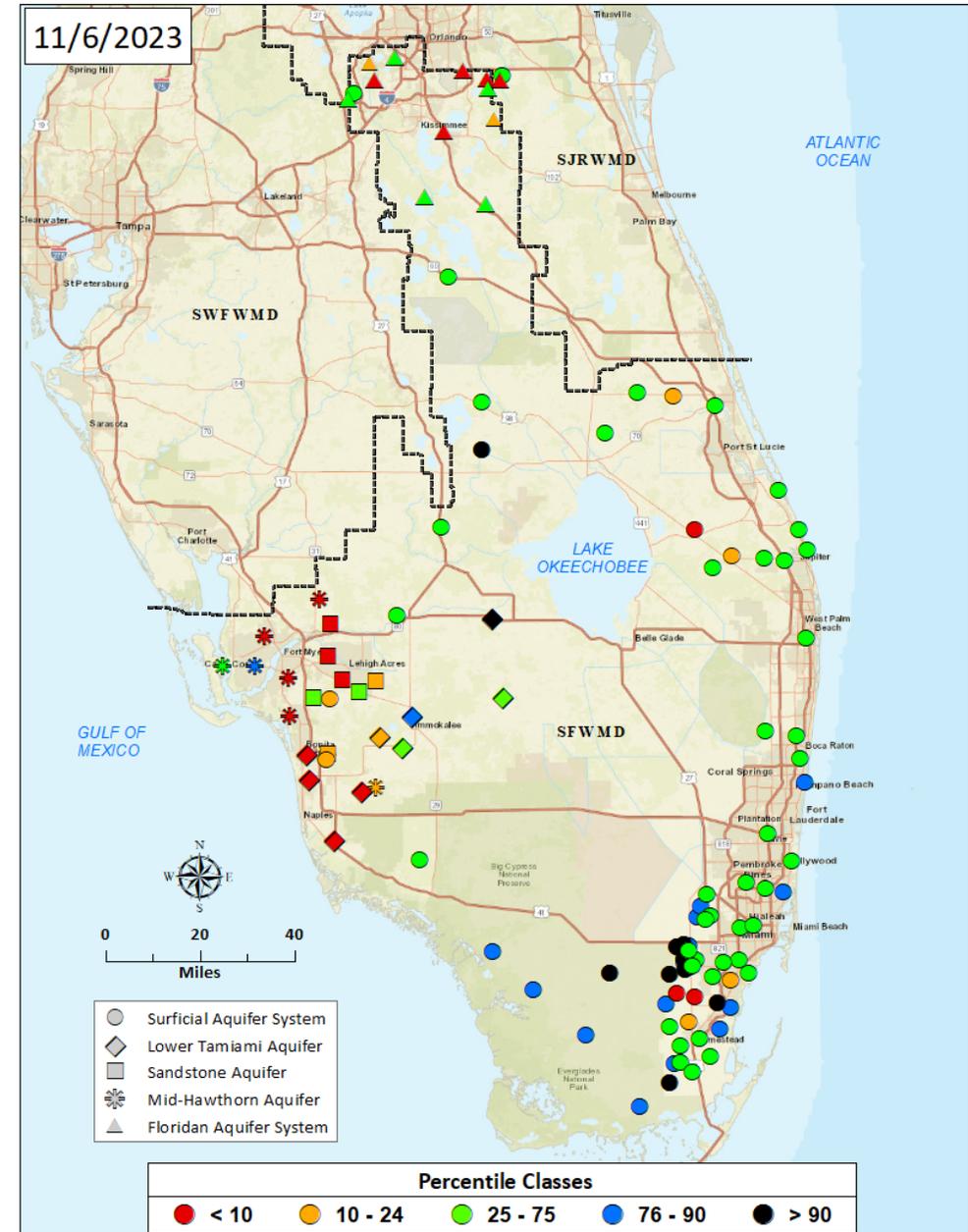


# Status of Groundwater Conditions

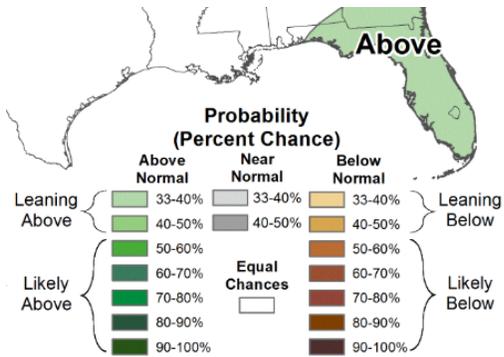
- Approximately 40 percent of the Floridan aquifer wells in the Upper Kissimmee Basin are in the median percentile range and the rest are in the lower percentile ranges. All of the surficial aquifer wells in the Upper and Lower Kissimmee Basin are in the median and upper percentile ranges for this time of year.
- Upper East Coast surface and groundwater levels showed mixed trends during the last week. About two-thirds of the UEC wells are in the median percentile range and the rest are in the lower percentile ranges for this time of year.
- About 85 percent of the surface and groundwater stations in the Lower East Coast recorded decreasing water levels over the last week. Approximately 90 percent of the LEC surficial aquifer system stations are in the median and upper percentile ranges for this time of year.
- Groundwater levels decreased in all the Lower West Coast (LWC) stations over the last week. Approximately two-thirds of the Surficial aquifer system wells are in the upper percentile ranges for this time of year. About 60 percent of the Lower Tamiami, 70 percent of the Sandstone and 70 percent of the Mid-Hawthorn aquifer wells are in the lower percentile ranges for this time of year.

The map to the right shows a statistical comparison between current groundwater levels and long term monthly average groundwater levels:

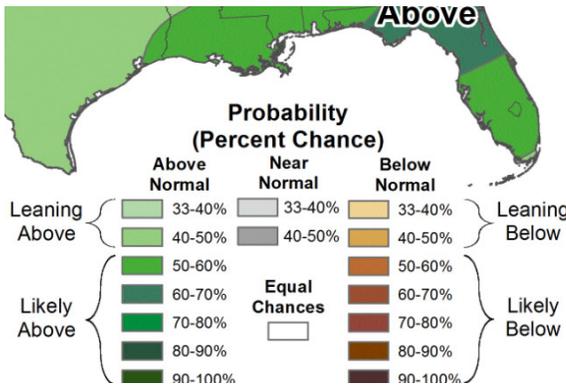
- Each colored symbol represents a monitoring well that continuously records groundwater levels.
- Color coding represents a statistical comparison of current water levels to long-term monthly historical water levels for this time of the year. The percentile rankings are based on monthly long-term groundwater level averages. The red symbols represents water levels that are in the lowest 10<sup>th</sup> percentile range, orange 10<sup>th</sup> to 24<sup>th</sup> percentile range, green the median range, blue is the 76<sup>th</sup> to 90<sup>th</sup> percentile range and black shows those stations about the 90<sup>th</sup> percentile range.



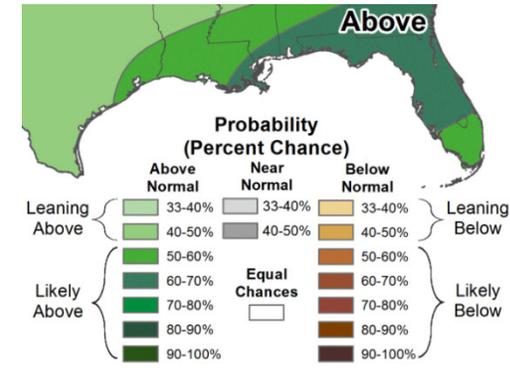
# CPC Precipitation Outlook for South Florida



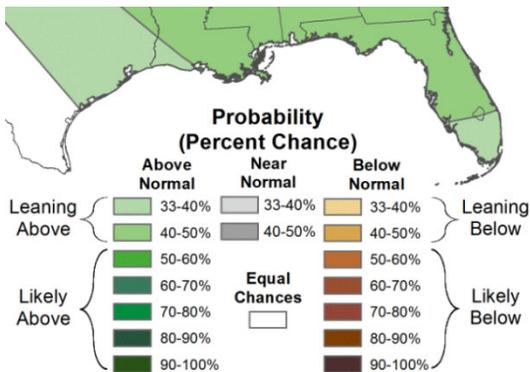
Nov 2023



Nov 2023 – Jan 2024



Dec 2023 – Feb 2024



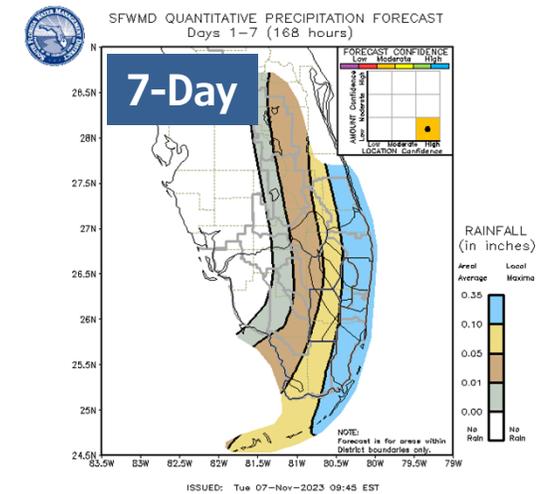
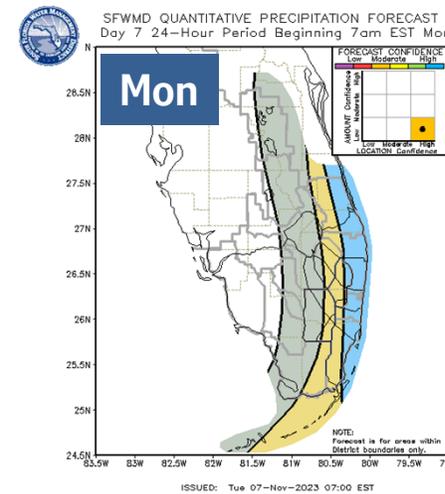
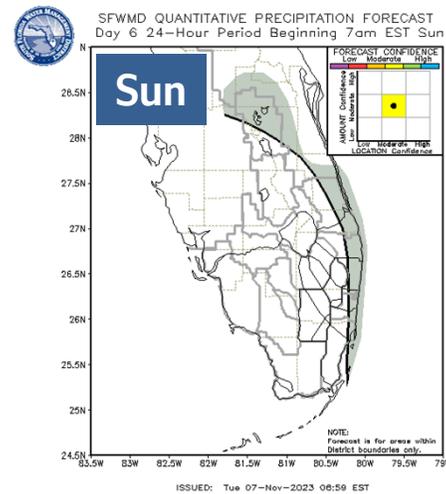
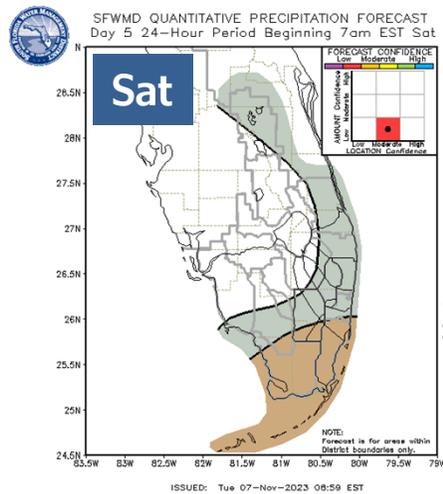
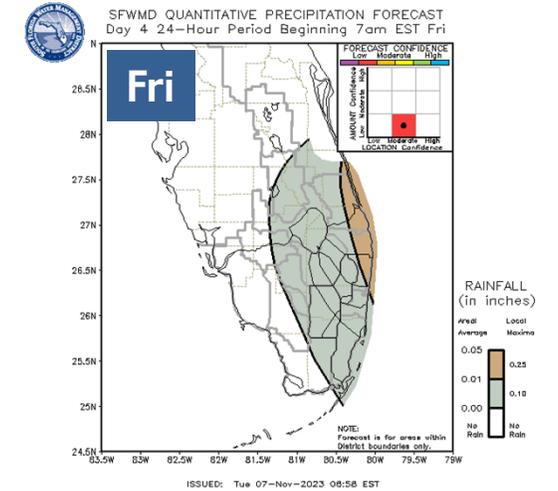
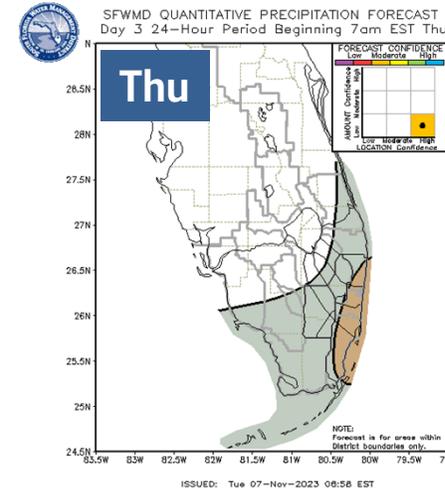
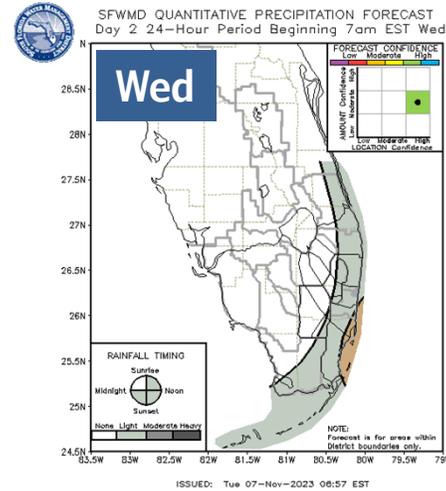
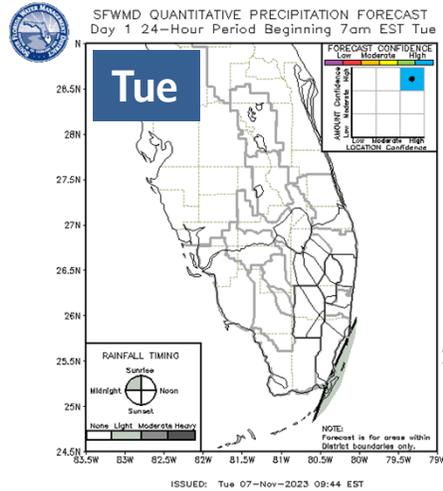
Mar 2024 – May 2024

Updated October 30, 2023

- The most recent CPC precipitation outlook for South Florida for November 2023 is for slightly increased chances of above normal rainfall (33-40%). The 3-month window of Nov 2023 – Jan 2024 indicates substantially increased probabilities of above normal rainfall (50-60%).
- The outlook patterns for the 3-month windows of Dec 2023 - Jan 2024, Jan 2024 – Mar 2024 and Feb 2024 – Apr 2024 show substantially increased chances of above normal rainfall (50-60%) for the lower half of the District, and a major increase in the probability of above normal rainfall (60-70%) for the upper half of the District. The transition between these two zones is through the middle of Lake Okeechobee, south EAA boundary and south of the lake, for the above 3-month windows.
- The outlook for the 3-month windows Mar 2024 – May 2024 is for slightly increased chances of above normal rainfall (37-40%) for the lower half of the District and increased probability of above normal rainfall (40-50%) for the upper half of the District.
- All the 3-month windows from Apr 2024 – Jun 2024 into the transition to the 2024-2025 Dry Season show equal chances of below, normal and above normal rainfall.

<https://www.cpc.ncep.noaa.gov/products/predictions/30day/>

# Short-, Medium-, & Extended-Range Outlooks



## Weekly Summary

Week 1 (Historical Avg: 0.55"): Much below normal  
 Week 2 (Historical Avg: 0.49"): Near to below normal

# Questions

*Mating nurse sharks in the shallow waters off the mangrove-lined Shark Point in the Everglades National Park, Florida. Photograph courtesy of Mark Cook.*



Construction of C-43 Reservoir.

# CERP Construction and Planning Projects

## Progress Report

South Florida Ecosystem Restoration Projects including the Comprehensive Everglades Restoration Plan (CERP) are authorized when a planning study is approved by Congress as part of a Water Resource Development Act (WRDA). Responsibility for design and construction of CERP and other restoration projects is shared between the U.S. Army Corps of Engineers (USACE) and the South Florida Water Management District (SFWMD), based on coordination between the two agencies, the Integrated Delivery Schedule (IDS), and the Project Partnership Agreement for each project. This document reports on the USACE's progress on CERP efforts for the restoration of the Greater Everglades as directed by Governor DeSantis in Executive Order 23-06, as well as the SFWMD's continued efforts to expedite Everglades restoration projects and improve water quality and quantity.

### Biscayne Bay Coastal Wetlands – Cutler Wetlands Component

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2025

**Project Description:** The Biscayne Bay Coastal Wetlands Project – Cutler Wetlands Component will improve the health of Biscayne Bay, aid in wetland rehydration, build coastal resiliency and improve water quality. The Cutler Wetlands Component is the final component of the Biscayne Bay Coastal Wetlands Project.

**Status:** Construction.

- Contract 6A – Pump Station S-701 under construction
- Contract 6B – Design package out for bids, contract award in Q1 FY 2024

### Biscayne Bay Coastal Wetlands – L-31 East Flowway

**Lead Agency:** USACE

**Anticipated Completion Year:** 2026

**Project Description:** The project restores freshwater flows to southern Biscayne Bay and Biscayne National Park while improving salinity distribution near the shore. It also restores historical freshwater wetland habitat adjacent to the Bay, which acts like a sponge, soaking up water in the wet season and slowly releasing it in a more natural pattern.

**Status:** Construction; Operational Testing and Monitoring Period.

- Contract 4 – Pump Station S-709: Construction is complete. Operation Testing and Monitoring Period is underway.
- Contract 5A – Pump Station S-705: Contractor is still working with FPL to install permanent power. On Sept. 28, 2023, USACE, SFWMD, FDEP, and the Contractor conducted a final inspection of the pump station located on the L-31E Canal at the intersection with the C-102 Canal. S-705 has the capacity of pumping 100 cfs.
- Contract 5B – Pump Station S-703 and Recreational Sites: Excavation of the intake vault is complete. In addition, the installation of all sheet piles and king piles are completed, spreader canal excavation is ongoing and forming work for the caps continues.
- Contract 5C – Pump Stations S-710 and S-711, Seepage Canal C-711W: Piling and auguring are ongoing for S-711 and are complete for S-710. Clearing and grubbing for the spreader canal continues. Seepage Canal berm construction is complete.

### Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)

**Lead Agency:** USACE

**Anticipated Completion Year:** 2026

**Project Description:** The BBSEER Project aims to restore natural areas in southeastern Miami-Dade County, including the Model Lands, Southern Glades, nearshore estuarine habitats of Biscayne Bay, and the associated coastal and freshwater wetlands.

**Status:** Planning; The confirmation of a Tentatively Selected Plan is scheduled for June 2024.

### Broward County Water Preserve Areas

**Lead Agency:** USACE

**Anticipated Completion Year:** 2034

**Project Description:** This project will reduce water loss from the Central Everglades. It is designed to perform two primary functions: reduce seepage loss from Water Conservation Area (WCA) 3A/3B to the C-11 and C-9 basins; and capture, store and distribute surface water runoff from the western C-11 basin that has been discharged into WCA 3A/3B.

**Status:** Design.

- Contract 2 – C-11 Impoundment Embankment: Final design is in progress and the construction award is expected in Q4 FY 2024.
- Contract 3 – C-11 Impoundment Pump Station: Design is in progress, and the construction award is expected in late FY 2025.
- Contract 4 – WCA3A Seepage Management Area: Design to begin in Q1 FY 2024.
- Contract 5 – C-9 Impoundment: Design to begin in Q3 FY 2024.



Biscayne Bay

## Caloosahatchee (C-43) Reservoir

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2025

**Project Description:** The project will capture excess C-43 Basin runoff and regulatory releases from Lake Okeechobee during the wet season and release water from the reservoir during the dry season. It includes development of one aboveground reservoir, with a total storage capacity of approximately 170,000 acre-feet. The project will reduce the extreme salinity changes in the Caloosahatchee River Estuary by providing a more consistent flow of freshwater discharging into the estuary.

**Status:** Construction.

- Package 1 – Embankment Preloading at 6 critical structures around the dam and demolition of existing infrastructure work is complete.
- Package 2 – S-476 Pump Station replaces the original irrigation pump station located on the header canal that supplied water to existing water users work is complete.
- Package 3 – S-470 Inflow Pump Station which pulls water from the Caloosahatchee River through the Townsend Canal to the Reservoir work is complete.
- Package 4 – Reservoir: Completed construction of collector ditches, concrete work at S-475, S-473, S-478, & Local Access Bridge, soil cement proof of concept, and sheet pile installation at S-474 and S-482. Began Phase I Soil Bentonite Wall in Segment F5 and Townsend Canal sheet pile installation.

## Central Everglades Planning Project (CEPP) Everglades Agricultural Area (EAA) Reservoir

**Lead Agency:** USACE

**Anticipated Completion Year:** 2030

**Project Description:** CEPP includes four phases of projects that help restore the natural flow of water south from Lake Okeechobee to the Central & Southern Everglades. The CEPP EAA Phase will store, treat and send new water to the Everglades. The EAA Reservoir reduces damaging discharges from Lake Okeechobee to the Northern Estuaries. The 10,000-acre reservoir component includes 240,000 acre-feet of storage and delivers water to the 6,500-acre A-2 STA for water quality treatment. The project provides an additional average annual 370,000 acre-feet of clean water sent to the Everglades.

**Status:** Design; Construction.

- Contract 11B - Embankment, outlet structures and spillway: Final design expected to be completed in Nov. 2023, with the construction award expected at the end of FY 2024.
- Contract 11C - S-636 Seepage Pump Station: Design began in March 2023, and the construction award is expected in Sept. 2026.
- Contract 10A - Seepage Inflow/Outflow Canal: Environmental monitoring and pre-construction survey work continues. Dewatering within the footprint of the inflow/outflow canal is ongoing. De-mucking, clearing, and grubbing activities began in March 2023. Excavation of the canal footprint is underway, and 7.2 miles of canals have been constructed from North New River Canal and Miami Canal.
- Contract 11A - Foundation Preparation & Cutoff Wall: Contractor mobilized to the site in Aug. 2023 and began setting up temporary facilities. Clearing, grubbing and de-mucking of borrow pit area 3 is ongoing. The dewatering plan is under development.
- Contract 12: S-623 Reservoir Inflow Pump Station: In design and will be in construction by SFWMD in mid-2024.

## Central Everglades Planning Project (CEPP) Everglades Agricultural Area (EAA) Stormwater Treatment Area (STA)

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2024

**Project Description:** The 6,500-acre STA will clean water stored in the 240,000 acre-foot EAA Reservoir and allow it to be moved south to the Everglades. Stormwater Treatment Areas use aquatic vegetation to remove harmful nutrient pollution from the water. Sending more clean water south will support the ecological health of the Everglades and Florida Bay.

**Status:** Construction.

- Contract 9B - STA Cells: In construction. Initial filling commences end of Jan. 2024.
- Contract 9B - STA Inflow-Outflow Canal: Construction completed in FY 2023.

## Central Everglades Planning Project (CEPP) Everglades Agricultural Area (EAA) Canal Conveyance Improvements

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2027

**Project Description:** The North New River Canal Conveyance increases canal capacity by 200 cfs. The Miami Canal Conveyance Improvements increase canal capacity by 1,000 cfs.

**Status:** Design.

- Contract 9A - EAA North New River Canal Improvements: Design package is out for bids, contract award early FY 2024.
- Contract 9A - EAA Miami River Canal Improvements Phase 1: Design is ongoing and construction award by end of FY 2024.
- Contract 9A - EAA Miami River Canal Improvements Phase 2: Design is ongoing and construction award in early FY 2025.

## Central Everglades Planning Project (CEPP) New Water Seepage Barrier Wall Project

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2024

**Project Description:** The CEPP New Water Seepage Barrier Wall Project extends the successful underground wall that was built as part of the 8.5 Square Mile Area Seepage Wall Project. The project supports ongoing restoration efforts to move water south through the Everglades and into Florida Bay while mitigating potential flooding impacts in communities outside of Everglades National Park.

**Status:** Construction.

- Contract 13 - CEPP Seepage Wall: In construction. Trenching is complete. CB wall is 79% complete.



Construction is wrapping up on the CEPP New Water Seepage Wall

## Central Everglades Planning Project (CEPP) North Phase

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2030

**Project Description:** CEPP North will restore water levels in the northern portion of the Central Everglades and improve our water resource resiliency in South Florida. The features within the CEPP plan include a reservoir, a stormwater treatment area and water flow improvements.



CEPP North Phase

**Status:** Design; Construction.

- Contract 7A - L-6 Diversion: A groundbreaking for S-620 was held in May 2023. S-622 is in design and contract award is in Q1 FY2025.
- Contract 7A - L-4 Canal Improvements & Distribution Features & S-8A Modifications are in design.
- Contract 7B - S-8 Pump Station Modifications is in design and contract award is in Q1 FY2024.
- Contract 8A - L-5 Canal Improvements is in design to be constructed in 2 packages.
- Contract 8B - Miami Canal Backfill and Vegetated Hammocks survey is ongoing.

## Central Everglades Planning Project (CEPP) South Phase

**Lead Agency:** USACE

**Anticipated Completion Year:** 2031

**Project Description:** CEPP South removes water flow barriers to allow natural flow of water south into Everglades National Park. Components include the construction of a pump station, the installation of culverts and spillways and the removal of a roadway and levees that will all help increase the flow of clean water south from WCA 3A to Everglades National Park.

**Status:** Design; Construction.

- Contract 1AR - L-67A Culverts: The contractor has mobilized the processing equipment to S-631 and has begun test crushing, screening and configuring equipment for the proper gradations for use in cofferdam. Temporary cofferdam construction has begun and geogrid placement started in Oct. 2023.
- Contract 2A - Pump Station S-356E and S-334E Gated Spillway: Design is complete with Contract Award rescheduled from March 2024 to June 2024.
- Contract 3B - S-355W Gated Spillway in L-29 Canal: Final design is complete. The contract award has been rescheduled from Dec. 2023 to March 2024.
- Contract 5 - Blue Shanty Flowway: Final design is scheduled to be complete in FY 2026, and the contract award is scheduled for FY 2026.
- Contract 6 - L-29 Levee Removal: Design is scheduled to begin in FY 2024, and the contract award is scheduled for FY 2028.

## Indian River Lagoon South – C-23 Estuary Discharge Diversion Canal

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2025

**Project Description:** This interconnect canal project will divert harmful discharges from the C-23 Canal and send it south to the C-44 Reservoir. It improves water quality in the St. Lucie Estuary and helps bring flows to the Estuary closer to its natural pattern.

**Status:** Construction.

## Indian River Lagoon South – C-23/24 North Reservoir

**Lead Agency:** USACE

**Anticipated Completion Year:** 2030

**Project Description:** The C-23/24 North Reservoir is a component of the IRL South Project, encompassing more than 2,000 acres. Once completed, it will store approximately 32,000 acre-feet of water.

**Status:** Design.

- Contract 1 – S-426 Pump Station, Afterbay, S-245 Culvert, PC-37 Canal and Structure: The draft final design is complete, and the contract award is scheduled for Q2 FY 2024.
- Contract 2 – Reservoir Embankment Construction: The draft final design is expected May 2024.

## Indian River Lagoon South – C-23/24 South Reservoir

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2030

**Project Description:** The C-23/24 South Reservoir is a component of the IRL South Project, encompassing more than 3,500 acres. Once completed, it will store approximately 57,000 acre-feet of water.

**Status:** Design is ongoing by the SFWMD. Two construction contracts will begin in 2024 and one will begin in 2025.

## Indian River Lagoon South – C-23/24 STA

**Lead Agency:** USACE

**Anticipated Completion Year:** 2025

**Project Description:** The 2,700-acre C23/24 STA is designed to treat water from the C-23 and C-24 Basins. Its purpose is to reduce the sediment, phosphorus, and nitrogen going to the St. Lucie River Estuary and the southern portion of the Indian River Lagoon.

**Status:** Construction; Nine of 17 water control structures underway. Contractor is completing embankment around cells 1 and 2. Levee construction in Cell 5 has started. Ring levee modification awarded in Sept. 2023.



C-23/C-24 STA Groundbreaking

## Indian River Lagoon South C-25 Reservoir and STA

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2028

**Project Description:** The C-25 Reservoir and STA will capture, store and treat local stormwater runoff from the C-25 Canal. The project reduces the rate of harmful flows to downstream estuaries and improves water quality in the estuary and lagoon.

**Status:** Design.

## Indian River Lagoon South – C-44 Reservoir

**Lead Agency:** USACE

**Completion Year:** 2021

**Project Description:** The C-44 Reservoir will store 50,000 acre-feet of water, including local basin runoff and Lake Okeechobee releases. This will reduce harmful releases reaching the St. Lucie Estuary that can fuel harmful algal blooms.

**Status:** Construction Complete, in Operational Testing and Monitoring. Repairs to S-402 complete. Designing additional seepage management feature to be constructed under separate contract.

## Indian River Lagoon South – C-44 STA

**Lead Agency:** SFWMD

**Completion Year:** 2019

**Project Description:** The 6,400-acre C-44 STA will remove harmful nutrients and provide regional water quality benefits. It will treat the water stored in the reservoir before it is released into the estuary.

**Status:** Construction Complete, in Operational Testing and Monitoring.

## Indian River Lagoon South Natural Water Quality Storage Areas and Muck Removal

**Lead Agency:** SFWMD

**Anticipated Completion Year:** TBD

**Project Description:** This project is part of Indian River Lagoon – South Phase II and will work together with other IRL-South components to protect and restore the lagoon and estuary. It will create natural storage by preserving and restoring lands in the contributing basins of the north and south forks of the St. Lucie River and the estuary.

**Status:** Planning; Acquiring Lands.

## Lake Okeechobee System Operating Manual (LOSOM)

**Lead Agency:** USACE

**Anticipated Completion Year:** 2024

**Project Description:** The USACE is updating the Lake Okeechobee operations manual to reevaluate and define operations for the Lake Okeechobee regulation schedule that takes into account additional infrastructure that will soon be operational.

**Status:** Planning; The WCP will go into effect once the record of decision (ROD) is signed by USACE, South Atlantic Division. Additional coordination is still underway within USACE, and the Final Environmental Impact Statement (EIS) will not be finalized until resolution of the remaining coordination is completed. The Final WCP will be released with the Final EIS once it is completed.

## Lake Okeechobee Watershed Restoration Project (LOWRP)

**Lead Agency:** SFWMD

**Anticipated Completion Year:** TBD

**Project Description:** LOWRP is an Everglades restoration planning effort that will improve water levels in Lake Okeechobee; improve the quantity and timing of discharges to the St. Lucie and Caloosahatchee estuaries; restore degraded habitat for fish and wildlife throughout the study area; and increase the spatial extent and functionality of wetlands.

The Florida Legislature appropriated a total of \$150 million for the LOWRP during the previous three legislative sessions. During the 2021 legislative session, the Florida Legislature also passed Senate Bill 2516 to further support and expedite the implementation of LOWRP. This funding was provided to the SFWMD for the design, engineering and construction of specific LOWRP components designed to achieve the greatest reduction in harmful discharges to the Caloosahatchee and St. Lucie Estuaries.

**Status:** Planning; Design, Well Testing and ASR Science Plan. The USACE is targeting a Chief's Report for the wetlands restoration in 2024.

## Loxahatchee River Watershed Restoration Project

**Lead Agency:** SFWMD

**Anticipated Completion Year:** 2032

**Project Description:** The Loxahatchee River Watershed Restoration Project will restore and sustain the overall quantity, quality, timing and distribution

of fresh water to the federally designated "National Wild and Scenic" Northwest Fork of the Loxahatchee River for current and future generations. This project also seeks to restore, sustain and reconnect the wetlands and watersheds that form the historic headwaters for the river. These areas include Jonathan Dickinson State Park, Pal Mar East/Cypress Creek, DuPuis Wildlife and Environmental Management Areas, J.W. Corbett Wildlife Management Area, Grassy Waters Preserve, Loxahatchee Slough, the Northwest Fork of the Loxahatchee River and the Loxahatchee River Estuary.

**Status:** Design.

- Flowway 1: Anticipated to execute design contract in FY 2024.
- Flowway 2 and 3: In design, survey and geotechnical work underway.

## Picayune Strand Restoration Project

**Lead Agency:** USACE

**Anticipated Completion Year:** 2025

**Project Description:** This project restores the natural water flow across 85 square miles in western Collier County that were drained in the early 1960s in anticipation of extensive residential development. The restoration involves plugging 48 miles of canals, removing 260 miles of crumbling roads, and constructing three major pump stations, all of which will restore more than 55,000 acres of natural habitat.

**Status:** Construction.

- Miller Tram and Road Removal: Road removal is complete. Once the contract is closed the project feature will be turned over to SFWMD to maintain.
- Southwest Protection Feature Levee: Four of six lifts for the full seven miles are complete and the fifth lift is underway.
- Conveyance Features (Design/Build Contract): Construction completion in mid-Oct. 2023 for construction efforts under U.S. 41. Final Design will be complete for CR-92 in Oct. 2023 and construction will start in Oct. 2023. Overall construction completion is expected in June 2024.

## Southern Everglades

**Lead Agency:** USACE/SFWMD

**Anticipated Completion Year:** TBD

**Project Description:** The Southern Everglades project aims to provide substantial amounts of freshwater to improve the quantity, timing, and distribution of freshwater in the Greater Everglades and Everglades National Park wetlands and Florida Bay.

**Status:** Planning; The Draft 2023 Integrated Delivery Schedule indicates the study will kick off in 2025.

## Western Everglades Restoration Project (WERP)

**Lead Agency:** USACE/SFWMD

**Anticipated Completion Year:** TBD

**Project Description:** The Western Everglades Restoration Project is an Everglades restoration planning effort that aims to improve the quantity, quality, timing, and distribution of water in the western Everglades. The study area covers approximately 1,200 square miles, bounded by the L-1 Canal to the north; the L-2 Canal, Stormwater Treatment Area (STA) 5/6, and the eastern boundary of the Miccosukee Tribe of Indians of Florida Reservation to the east; a natural watershed boundary to the west; and portions of U.S. Highway 41, Loop Road, and the southern Miccosukee Tribe of Indians of Florida Reservation area to the south.

**Status:** Planning; The release of the Draft Project Implementation Report/ Environmental Impact Statement is planned for Dec. 2023 and the USACE is targeting a Chief's Report in 2024.



# Northern Everglades and Estuaries Protection Program (NEEPP)

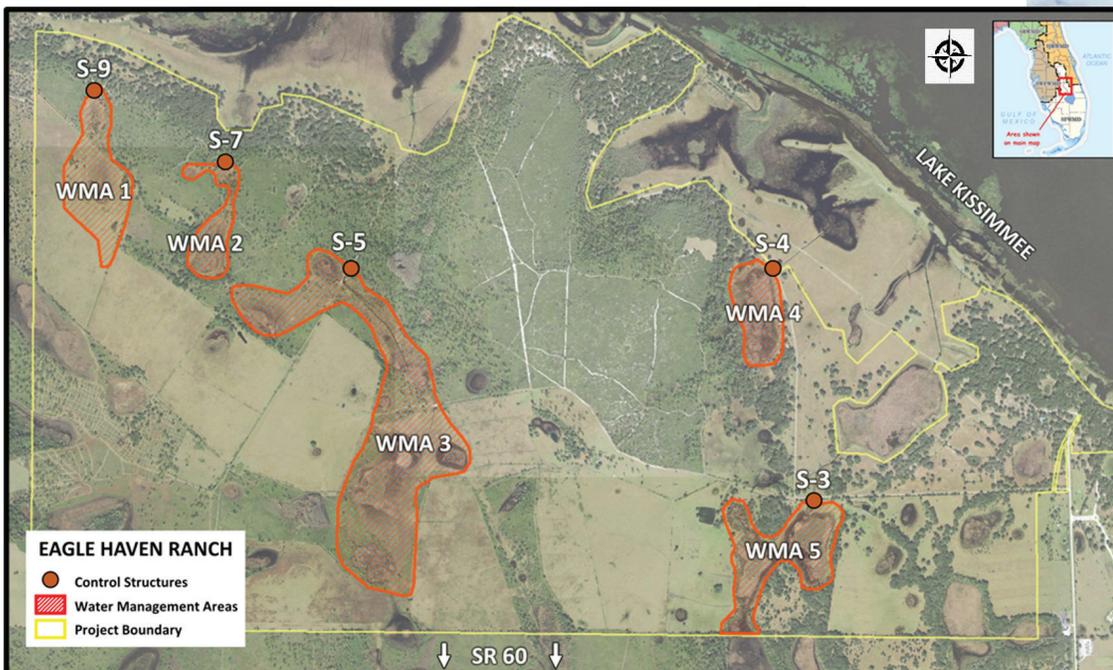
Progress Update – November 2023

## SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) PROGRESS UPDATE

As part of the Northern Everglades Water Retention and Nutrient Load Reduction Projects approved by the Governing Board in May 2022, SFWMD is executing a 10-year, public-private partnership agreement in October 2023 for the Eagle Haven Ranch project (formerly known as Lost Oak Ranch) to extend its operations through 2033. Situated in the Upper Kissimmee Subwatershed adjacent to Lake Kissimmee, this passive storage project consists of water control structures and related infrastructure across five water management areas totaling ~730 acres that retain stormwater runoff to help reduce harmful discharges to Lake Okeechobee (see figure). While the project was originally designed to provide an estimated storage benefit of 374 acre-feet per year and no prior defined water quality benefit, the actual estimated storage during Water Year 2023 was 758 acre-feet – more than two times its planned storage goal – with an estimated average water quality benefit of 0.1 metric tons of total phosphorus and 1.2 metric tons of total nitrogen.

### INTERAGENCY SPOTLIGHT

The Coordinating Agencies' NEEPP Annual Progress Report for the **Draft 2024 South Florida Environmental Report (SFER) – Volume I, Chapter 8A**, along with the Watershed Protection Plan annual reviews for the Lake Okeechobee, St. Lucie River, and Caloosahatchee River Watersheds (Chapters 8B-8C-8D) were published on October 9, 2023. This year's consolidated report highlights the many accomplishments and successes among our agencies during the 2023 reporting period. The public and peer review comment period closes on November 8, 2023; the complete three-volume, final report will be published on March 1, 2024 [SFWMD.gov/SFER](http://SFWMD.gov/SFER).



Eagle Haven Ranch, Polk County



## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) PROGRESS UPDATE

DEP continues to collect draft Wastewater Treatment Plans (WWTP) and Onsite Sewage Treatment and Disposal Systems (OSTDS) Remediation Plans to fulfill Clean Waterways Act (CWA) requirements for upcoming nutrient BMAP updates, which will be published by July 1, 2025.

In October, reminders were sent to stakeholders that draft plans are due by February 1, 2024, and final plans are due by August 1, 2024. DEP has set up a [webpage](#) that includes a [Q&A document](#) covering key stakeholder information on CWA requirements for WWTP and OSTDS Remediation Plans, as well as helpful resources for stakeholders.

DEP has brought more than 98% of agricultural parcels referred to the department into compliance through education and enforcement action. No parcels referred to DEP greater than 40 acres remain out of compliance. Currently, 45 agricultural parcels (representing less than 550 acres) remain out of compliance. Most of these parcels are less than 10 acres and only six are greater than 25 acres. DEP will continue enforcement action until all parcels referred to the agency are in compliance.

## FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES (FDACS) PROGRESS UPDATE

As of October 1, 2023, FDACS has completed 82% of required implementation verifications (IVs) for agricultural operations within NEEPP boundaries (in accordance with IV deferrals). This reflects a 4% decrease from last month though increases are expected as a result of the IV site visit process being reestablished. FDACS continues to collect and retain required nutrient application records as IVs are conducted.

