



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

July 11, 2024

9:00 AM

District Headquarters - B-1 Auditorium

3301 Gun Club Road

West Palm Beach, FL 33406

FINAL

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Special Recognition
 - Farewell to U.S. Army Corps of Engineers, Jacksonville District, Col. James L. Booth and Welcome to Incoming Col. Brandon L. Bowman

Agenda Item Background:

[Col. Booth Bio](#)

[Col. Bowman Bio](#)

4. Employee Recognitions
 - July 2024 Employee of the Month: Robert Wanvestraut, Lead Scientist
 - July 2024 Team of the Month: Vertical Datum Implementation and Deployment Team
 - 25-Year Service Award: John Moorman, Section Leader, Water Quality Monitoring
 - 30-Year Service Award: Erica Tyska-Gould, IT Analyst - Principal
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 June 6, 2024 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 Acquisition, Pal Mar, Martin County (Staff contact, Ray Palmer)

Agenda Item Background:

Pal Mar is located in western Martin County and is generally considered to be a broad flat area of wetlands containing hundreds of small lakes and depression marshes interconnected by seasonal flow ways made up of grassy wet prairies and cypress swamps. The District has been acquiring land on a willing seller basis to preserve and protect this area. Staff is seeking Governing Board approval to acquire five parcels totaling 3.75 acres from willing sellers for a cumulative purchase price of \$60,000.

Recommended Action:

Resolution No. 2024-0701 Acquire land interests in five parcels totaling 3.75 acres, more or less, in the total amount of \$60,000, all located in the Pal Mar Project in Martin County, for which dedicated funds (Lease Revenue) are budgeted.

[Resolution No. 2024-0701](#)

[Resolution Exhibit A Map](#)

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

Agenda Item Background:

The District is required to review canal reservations held by the Board of Trustees of the Internal Improvement Trust Fund and advise the Florida Department of Environmental Protection whether the canal reservations should be released or if there is a present or future need by the District or a local county, city, or drainage district. Applications are reviewed by staff and routed to local governments and water control districts to ascertain if there is a potential need for the reservation.

It has been determined that there is no present or apparent future need for the

reservations listed below, therefore staff asks the Board to consider approval of the following:

Broward County

- Recommend approval of release of TIITF canal reservations for Bergeron US 27, LLC, a Florida limited liability company (File No. 18945) for 10.82 acres; release value N/A (TIITF canal reservations)

Recommended Action:

Resolution No. 2024-0702 Approve recommending release of canal reservations held by the Board of Trustees of the Internal Improvement Trust Fund.

[Memorandum Exhibit A](#)

[Maps](#)

[Resolution No. 2024-0702](#)

17. G-6A Pump Station, Critical Flood Control Infrastructure Project, Palm Beach County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the G-6A Pump Station Project, located in Palm Beach County, will construct an 1,100 cubic feet per second pump station to improve timing of surplus water discharges from the tributary basin and reduce operational dependency placed on the larger existing S-6 pump station. G-6A will allow for one pump unit at S-6 to be out for service while still maintaining the maximum design discharge from the Hillsboro Canal into Stormwater Treatment Area 2 (STA-2) as well as gradual increase and decrease of flow which will benefit STA performance. STA-2 is a major component of the Everglades Construction Project, required by the Everglades Forever Act and Everglades Settlement Agreement. G-6A serves as an auxiliary pump station to S-6, which is the primary inflow pump station into STA-2 with a total pumping capacity of 2,925 cubic feet per second.

The G-6A pump station is Phase III of a multi-phased project to improve critical flood control infrastructure. The area served by this pump station experiences flooding challenges. During events with extreme flooding, excess water instead of being pumped into Lake Okeechobee via the S-2 pump station is delivered to STA-2. The addition of the G-6A pump station can also be used to benefit areas to the east that otherwise could have increased flood potential or would have been required to discharge to tide by adding additional operational flexibility for changing rainfall patterns.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 25, 2024.

Recommended Action:

Resolution No. 2024-0703 Authorize entering into a 1042-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder for the construction of the G-6A Pump Station critical flood control infrastructure

Project, in the amount of \$99,448,892, for which \$200,000 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005019)

[Resolution No. 2024-0703](#)
[Backup Presentation](#)

18. S-169 Demolition / S-169W-MS with Trash Rake (Manatee Structure), Critical Flood Control Infrastructure Project, Hendry County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the S-169 Demolition / S-169W-MS with Trash Rake (Manatee Structure) Project, located in Hendry County, includes construction of a new structure with trash rake debris removal system and manatee barrier. This project is part of the Statewide Resilience Fiscal Year 2024-2025 Plan.

In 2021, the District completed the construction of a new gated control structure, S-169W as part of the relocation of the existing failing S-169 structure. Following completion of the new S-169W structure, the City of Clewiston, per agreement with the District, began construction of a new bridge to access public use facilities along the Herbert Hoover Dike, and the District is required to demolish the existing S-169 structure within six months of the bridge construction completion. The removal of the existing structure makes it possible for manatees to enter the C-21 Canal and advance towards the new S-169W structure. In order to meet the District's goal of zero mortality rate for manatees, the new S-169W structure needed manatee barriers in addition to a trash rake debris removal system.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 26, 2024.

Recommended Action:

Resolution No. 2024-0704 Authorize entering into a 416-day contract with Douglas N. Higgins, Inc., the lowest responsive and responsible bidder, for the S-169 Demolition & S-169W-MS with Trash Rake (Manatee Structure) critical flood control infrastructure Project, in the amount of \$9,572,000, for which \$186,400 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600005021)

[Resolution No. 2024-0704](#)
[Backup Presentation](#)

19. S-25B and S-26 Pump Replacement, Critical Flood Control Infrastructure Project, Miami-Dade County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the S-25B and S-26 Pump Replacement Project, located in Miami-Dade

County, includes replacing four Flygt Pumps, one of which is a spare pump. The S-25BP and S-26P pump stations were constructed in 2004 to maintain flood control discharges to tide out of the C-4 and C-6 Canal Basins. The pump stations supplement the existing gated structures at these locations by operating when downstream stages are too high to pass discharges due to tidal cycles or storm surge. The pump stations were designed to pass 100% of the Standard Project Flood without exceeding upstream flood design stage. Each pump station consists of three 200-cfs submersible pumps.

One Flygt pump was previously replaced at S-26 and two were replaced at S-25B. This project will replace the remaining three existing pumps and provide an additional spare pump that is interchangeable with either pump station location. Dependence on these pumps is critical to flood control operations as these are coastal structures. The Flygt pumps are planned to be received during Fiscal Year 2024-2025 and installed during dry season in Fiscal Year 2025-2026.

These pumps will be procured using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy via piggyback of Pinellas County Contract for Bid 21-0222-B BRW with Xylem Water Solutions U.S.A., Inc.

Recommended Action:

Resolution No. 2024-0705 Authorize the purchase of four Flygt pumps, in support of the S-25B and S-26 Pump Replacement critical flood control infrastructure Project, in the amount of \$1,610,983.47 for which dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and using a special procurement pursuant to Sec. 155-6. of the District's Procurement Policy using Pinellas County Contract for Bid 21-0222-B BRW with Xylem Water Solutions U.S.A., Inc. (Purchase Order No. 4500149576)

[Resolution No. 2024-0705](#)

[Backup Presentation](#)

20. S-71 Navigation Boat Lock Agreement with Seminole Tribe of Florida, Glades County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations & Maintenance Critical Flood Control Infrastructure Capital Program, the S-71 water control structure, located in Glades County, requires full replacement. While coordinating with the Seminole Tribe of Florida (Seminole Tribe) about the replacement structure, the Seminole Tribe inquired about incorporating a navigational boat lock in the design of the new S-71 structure. This agreement includes design and construction of a new Navigation Boat Lock with Improvements, including but not limited to, a separator peninsula, rerouting of the community ditch, realignment of the C-41 Canal, demolition of the existing tailwater weir, relocation and replacement of G-207 water supply pump station, Beck Intake, L-60W Culvert, PC-07 on L-61, 1962 Culvert, and new access road culvert.

Under this agreement, the Seminole Tribe will be responsible for funding 100% of the construction of the Navigation Boat Lock with Improvements, 100% of the operations and maintenance of the Navigation Boat Lock and lock tender facilities, and cost share 50% of the sheet pile installation for construction and future maintenance or

replacement to support the Herbert Hoover Dike level of protection measures from the existing structure to the new structure and navigation boat lock.

Recommended Action:

Resolution No. 2024-0706 Authorize entering into an agreement with the Seminole Tribe of Florida for the purpose of incorporating a Navigation Boat Lock with Improvements in the design and construction of the new S-71 structure. (Contract No. 4600005032)

[Resolution No. 2024-0706](#)

[Backup Presentation](#)

21. S-9 and S-9A Trash Rake and Pump Station Refurbishments, Critical Flood Control Infrastructure Project Change Order No. 8, Broward County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the S-9 and S-9A Trash Rake and Pump Station Refurbishments Project, located in Broward County, consists of a new trash rake bridge and rake system, new generator building, fuel system upgrades, refurbishment of main pump #3 and miscellaneous site and building upgrades and repairs. The upgrades are needed to maintain the pump station's operating efficiency and reliability by replacing or refurbishing equipment that is near its end-of-life cycle. The S-9 and S-9A pump stations were originally constructed in 1956 and 2002, respectively.

On November 10, 2021, the Governing Board awarded the S-9 and S-9A Trash Rake and Pump Station Refurbishments Project contract to Harry Pepper & Associates for \$27,492,651.00 (Contract No. 4600004514). On April 11, 2024, the Governing Board approved Change Order No. 7 (Contract No. 4600004514-CO07) that revised the contract cost to \$31,538,038.01.

During the required construction activities to dismantle the existing pump components, pump system components were observed to show significant corrosion and wear from almost 70 years of use. In order to be proactive and prevent a potential pump station failure in the near future, these components should be replaced now while the pumps are being refurbished. Change Order No. 7 included pre-purchase of the new pump shafts for S-9 and fabrication of four flap gates and discharge pipes for S-9A. Change Order No. 8 includes the refurbishment of impellers and replacement of three 2-piece pump shafts and associated hardware. Additionally, corrosion and damages were discovered that required repair of the service bridge and lead abatement at S-9, and replacement of four flap gates and discharge pipes at S-9A. These changes result in an increase to the Contract price by \$8,768,968.13 for a revised total contract value of \$40,307,006.14 and adds 693 days to the Contract time.

Recommended Action:

Resolution No. 2024-0707 Authorize Change Order No. 8 with Harry Pepper & Associates, Inc., for the construction of the S-9 and S-9A Trash Rake and Pump Station Refurbishments critical flood control infrastructure Project, for an additional amount not to exceed \$8,768,968.13, for which dedicated funds (State Appropriations) and Ad Valorem are budgeted in Fiscal Year 2023-2024.

(Contract No. 460004514-CO08)

[Resolution No. 2024-0707](#)

[Backup Presentation](#)

22. STA 1W Expansion #1 Outflow Structures Backup Generator Project, Critical Flood Control Infrastructure Project, Palm Beach County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations & Maintenance Critical Flood Control Infrastructure Capital Program, the STA 1W Expansion #1 Outflow Structures Backup Generator project, located in Palm Beach County, will allow the District to provide permanent backup power to triple gated spillways G-728, G-730, G-732, and G-734. After the completion of the STA 1W Expansion # 1 project in 2020, an evaluation was done that determined a need for permanent backup generators and related features for the four outflow structures (G-728; G-730; G-732 & G-734). The capability of moving a large portable generator to each of these structures when necessary is not efficient for the outflow (spillway) structures.

This provides uninterrupted service during storm events and power outages to prevent damages to STA infrastructure and surrounding properties. The scope at each structure site includes new precast concrete building with generator room, 45 kW generator, 500-gallon underground liquid propane tank, protection measures around structures, new electrical service connections, and automatic transfer switch.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 17, 2024.

Recommended Action:

Resolution No. 2024-0708 Authorize entering into a 553-day contract with Douglas N. Higgins, Inc., the lowest responsive and responsible bidder, for the STA 1W Expansion #1 Outflow Structures Backup Generator critical flood control infrastructure Project, in the amount of \$2,917,000, for which \$125,000 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 460005024)

[Resolution No. 2024-0708](#)

[Backup Presentation](#)

23. West Palm Beach Field Station Area L-15 Canal - Project Culvert Replacements, Critical Flood Control Infrastructure Project, Palm Beach County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the West Palm Beach (WPB) Field Station (FS) Area L-15 Canal - Project Culvert (PC) Replacements Project, located in Palm Beach County, will replace four PCs, refurbish one PC and remove one PC. These PCs were constructed in the 1960s in a levee system by the USACE and are 6 of 621 such PCs maintained by the District.

The PCs are critical infrastructure providing critical flood control and agricultural irrigation and drainage.

PC09, PC10, PC11, and PC12 include replacement of the existing steel culverts with new aluminum culvert pipes and risers with flashboards, and the levee will be relocated to align with the widened sections of the L-15. Bays will be provided for the risers so that risers are not within the Hillsboro Canal's flow path. PC02 includes a new Cured-In-Place-Pipe lining to refurbish the existing pipe and a new riser with flashboards. PC04 includes full removal of the entire structure and reconstruction of the levee section because the STA-1E Expansion #2 project rendered the PC location obsolete.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 20, 2024.

Recommended Action:

Resolution No. 2024-0709 Authorize entering into a 615-day contract with Dickerson Infrastructure, Inc. DBA Dickerson Florida, Inc., the lowest responsive and responsible bidder, for the West Palm Beach (WPB) Field Station (FS) Area L-15 Canal - Project Culvert (PC) Replacements critical flood control infrastructure Project, in the amount of \$10,039,925, for which dedicated funds (State Appropriations) and Ad Valorem funds in the amount of \$300,000 are budgeted in Fiscal Year 2023-2024, and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005033)

[Resolution No. 2024-0709](#)

[Backup Presentation](#)

24. Contract Renewal, CIGNA Health Care Administrative Services (Staff contact, Jennifer Smith)

Agenda Item Background:

The District has had an active contract with CIGNA Life and Health Insurance Company (CIGNA) to administer the District's self-funded group health care plans - specifically medical, dental, and vision coverage for District employees, retirees, and their eligible dependents since January 1, 2010. The current contract expiration date is December 31, 2024.

The contract with CIGNA provides a multitude of services required to maintain a successful self-funded health plan such as claims processing, plan design, access to CIGNA's network of health care providers; deeply discounted health care provider/facility rates; pharmacy rebates; stop-loss coverage; employee assistance programs, and wellness allowances.

The value of CIGNA's negotiated discounts has been independently validated and its breadth of provider networks ranks it as among the most cost effective and accessible. CIGNA has agreed to continue its existing administrative and access fees unchanged for the next five years, effective January 1, 2025, through December 31, 2029.

Recommended Action:

Resolution No. 2024-0710 Authorize the renewal of administrative services only (ASO) contract with stop-loss coverage with CIGNA Life and Health Insurance Company, for a five-year period with five 1-year renewals, beginning January 1, 2025. (Contract No. 4600001886-A02)

[Resolution No. 2024-0710](#)

25. Fiscal Year 2024-2025 Proposed Tentative Budget and Submission of Proposed Millage Rates (Staff contact, Candida Heater)

Agenda Item Background:

Pursuant to Section 373.536, Florida Statutes, the District shall, on or before July 15 of each year, submit for consideration by the Governing Board a tentative budget.

Pursuant to Section 200.065, Florida Statutes, the District shall, on or before August 4 of each year, advise each county property appraiser within the boundaries of the District of its proposed millage rates for inclusion in the notice of proposed property taxes. The millage rates that are being proposed for Fiscal Year 2024-2025 are the same rates as last year's rates and are not an increase. With these proposed rates, the Fiscal Year 2024-2025 will be the twenty-seventh year that the District has not increased its millage rates. The Fiscal Year 2024-2025 proposed millage rates remain the lowest rates since Fiscal Year 1978-1979.

Recommended Action:

Resolution No. 2024-0711 Consider the Fiscal Year 2024-2025 proposed tentative budget update and authorize submittal of the Fiscal Year 2024-2025 proposed millage rates to county property appraisers for inclusion in the notice of proposed property taxes.

[Resolution No. 2024-0711](#)

26. Governing Board Concurrence on Emergency Order, No. 2024-030-DAO and Order Rescinding Emergency Final Order, No. 2024-039-DAO (Staff contact, Jennifer Smith and Maricruz R. Fincher)

Agenda Item Background:

Pursuant to Rule 40E-7.537(29), F.A.C., building fires on District lands is limited to grills, fireplaces, and fire rings provided by the District or other authorized management agencies, and portable campstoves and grills provided by users. On May 31, 2024, the Executive Director issued Emergency Final Order, No. 2024-030-DAO (Order), based upon a finding that a serious threat to District lands in Charlotte, Collier, Glades, Hendry, Highlands, and Polk Counties existed due to dry windy weather conditions and imminent danger of wildfires. The Order prohibits building fires in fireplaces or fire rings provided by the District or other authorized management agencies, and limits the use of portable campstoves and grills provided by users, the District, or other authorized management agencies to cooking purposes only. On June 21, 2024, the Executive Director issued the Order Rescinding Emergency Final Order, No. 2024-039-DAO, due to improved conditions.

This item requests the Governing Board's concurrence with issuance of Emergency Final Order, No. 2024-030-DAO and Order Rescinding Emergency Final Order, No.

2024-039-DAO in compliance with section 373.119(2) of the Florida Statutes.

Recommended Action:

Concur with Emergency Order, No. 2024-030-DAO and Order Rescinding Emergency Final Order, No. 2024-039-DAO

[2024-030-DAO Emergency Final Order](#)

[2024-039-DAO Order Rescinding Emergency Final Order](#)

27. Governing Board Concurrence on Emergency Final Order Nos: 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO, and Order Rescinding Emergency Final Orders, No. 2024-040-DAO (Staff contact, Jennifer Smith and Maricruz R. Fincher)

Agenda Item Background:

In response to flooding caused by record breaking rainfall in Broward, Collier, Lee, and Miami-Dade counties, the District issued Emergency Final Order Nos: 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO on June 13, 2024. These Orders enabled the District to perform public work and take prudent action to ensure the public's health, safety, and welfare in the wake of severe flooding. On July 2, 2024, the District issued the Order Rescinding Emergency Final Orders, No. 2024-040-DAO, due to improved conditions. Staff requests the Governing Board's concurrence with the issuance of the Emergency Final Orders and Order Rescinding Emergency Final Orders, 2024-040-DAO, in compliance with section 373.119(2) of the Florida Statutes.

Emergency Final Orders:

- SFWMD 2024-034-DAO Emergency Authorization for Repairs, Replacement, Restoration, and certain other measures made necessary by Invest 90L
- SFWMD 2024-035-DAO Emergency Authorization for Pumping and other measures to address flooding caused by Invest 90L
- SFWMD 2024-036-DAO Emergency Authorization Abrogating Time Requirements, Notice Requirements and Deadlines for action on permits and other approvals made necessary by Invest 90L
- SFWMD 2024-037-DAO Emergency Authorization for Procurement of Goods and Services Made Necessary by Invest 90L

Order Rescinding Emergency Final Orders:

- SFWMD 2024-040-DAO Order Rescinding Emergency Final Orders Issued to Address Flooding Caused by Invest 90L

Recommended Action:

Concur on Emergency Final Order Nos: 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO, and Order Rescinding Emergency Final Orders, No. 2024-040-DAO.

[2024-034-DAO Emergency Final Order](#)

[2024-035-DAO Emergency Final Order](#)

[2024-036-DAO Emergency Final Order](#)

[2024-037-DAO Emergency Final Order](#)

[2024-040-DAO Order Rescinding Emergency Final Orders](#)

Discussion Agenda

28. Providing Flood Control with Aging Infrastructure and Changed Conditions (Staff contact, John Mitnik, P.E.)

Agenda Item Background:

This presentation will provide an overview of the District's mission and commitment to providing flood control in the context of the aging infrastructure and changes in environmental conditions. It focuses on the history and mission of the District from 1948 to today, the current state of infrastructure at or approaching their end-of-life cycles, highlights key regions that require repair, refurbishment, and/or replacement, the effects of changing environmental conditions on structures and pump stations, the capital improvement planning process and resiliency efforts, and the need for continued investments to ensure the District's critical flood control infrastructure is operating safely, efficiently, and as intended.

29. 2023-2024 Lower East Coast Water Supply Plan Update Status (Staff contact, Nancy Demonstranti)

Agenda Item Background:

This presentation will provide an overview of the Draft 2023-2024 Lower East Coast (LEC) Water Supply Plan Update; no action is required at this stage. Water supply plans are updated every five years and identify sustainable water supplies for all water users in the region while protecting water resources and related natural systems. Development of the 5-year update is nearing completion for the LEC Planning Area, which includes all of Palm Beach, Broward and Miami-Dade counties, most of Monroe County, and portions of Collier and Hendry counties, and the reservations for the Seminole Tribe of Florida and Miccosukee Tribe of Indians of Florida. The majority of the Draft 2023-2024 LEC Water Supply Plan Update was released for public review in February and the remaining sections in June, and is scheduled for Governing Board consideration and approval in September 2024.

Technical Reports

30. Water and Ecological Conditions Report - John P. Mitnik and Lawrence Glenn

Staff Reports

31. Monthly Financial Report - Candida Heater, Division Director - Administrative Services
32. General Public Comment
33. Board Comment
34. Adjourn

Final Presentations and Project Updates

Agenda Item Background:

10 Bluestone eComment
28 Mitnik Flood Control with Aging Infrastructure
29 Demonstranti Lower East Coast Water Supply Plan
30 Mitnik Glenn Water & Ecological Conditions Report
CERP Project Update
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.



® **U.S. ARMY CORPS OF ENGINEERS**

Col. James Booth
Jacksonville District Commander



Prior to joining the Jacksonville District, Colonel James (Jamie) Booth served as the Engineer Branch Head for the Combined Security Transition Command- Afghanistan. Col. Booth oversaw operations and maintenance support as well as construction oversight for Afghan National Defense and Security Forces infrastructure with an annual portfolio value in excess of \$700 million.

Col. Booth's previous assignments include: Executive Officer to the Commanding General of the United States Army Corps of Engineers; District Commander of the U.S. Army Corps of Engineers, Albuquerque District; Deputy District Commander of the U.S. Army Corps of Engineers, Detroit District; Battalion Operations Officer and Executive Officer of the 4th Brigade Special Troops Battalion, at Fort Stewart, Georgia (with deployment in support of Operation Iraqi Freedom and New Dawn); Observer Controller at the National Training Center Fort Irwin, California; Company Commander and Battalion Adjutant in the 5th Engineer Battalion at Fort Leonard Wood, Missouri (with deployment in support of Operation Iraqi Freedom); Civil Affairs Battle Captain for the Coalition Forces-Land Component Command in Camp Doha, Kuwait and Baghdad, Iraq; and Platoon Leader, Training Officer, Company Executive Officer, and Brigade Logistics Officer in the 130th Engineer Brigade at Hanau, Germany.

Col. Booth holds a Bachelor of Science in Civil Engineering from the Florida Institute of Technology, a Master of Science in Civil Engineering from Missouri University of Science and Technology, and a Master of Arts in Strategy from the Army War College. Col. Booth is a graduate of the Ranger Course and Airborne School. He is also a graduate of the Army Command and General Staff College, Fort Leavenworth, Kansas, and the Engineer Officer Basic and Advanced courses, Fort Leonard Wood, Missouri.

Col. Booth's military awards and decorations include: Bronze Star Medal (two awards), the Defense Meritorious Service Medal, Meritorious Service Medal (six awards), Joint Service Commendation Medal, Army Commendation Medal (two awards), Army Achievement Medal (five awards), National Defense Service Medal, the Afghanistan Campaign Medal, the Iraqi Campaign Medal, the NATO Medal, the Combat Action Badge, the Parachutist Badge, and the Ranger Tab. He is also the recipient of the Army Engineer Association's Bronze Order of the de Fleury Medal

A native of Keystone Heights, Florida, he is happily married to the former Melissa Harrell of Sarasota, Florida, and they have three children: Evan (13), Cali (9), and Alex (8).

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COL Brandon L. Bowman is a native of Lancaster, Pennsylvania. He first enlisted in the United States Army Reserves in 1996 as a carpenter and masonry specialist and later transferred to the Virginia National Guard and served as an infantryman.

His previous assignments include: Operations Officer (G3), Headquarters, U.S. Army Corps of Engineers; Chief of Staff of the U.S. Army Engineer School; Commander of the 5th Engineer Battalion; Command Engineer of the 1st Capabilities Integration Group (Airborne); Facility Program Manager for the White House Military Office; Executive Officer of the 30th Engineer Battalion; Company Commander and Battalion Adjutant in the 37th Engineer Battalion (Airborne); Logistic Officer and Battle Captain for the 20th Engineer Brigade (Airborne); Platoon Leader, Training Officer, and Company Executive Officer in the 27th Engineer Battalion (Airborne).

COL Bowman holds a Bachelor of Science in Civil Engineering from the Virginia Military Institute, a Master of Science in Civil Engineering from Missouri University of Science and Technology, Master of Arts in National Security and Strategic Studies from the Naval War College; Master of Science in National Security and Strategic Studies from the Dwight D. Eisenhower School for National Security and Resource Strategy. He also graduated from the Engineer Officer Basic and Advanced courses, Airborne and Jumpmaster School, and the Ranger Course.

COL Bowman's military awards and decorations include the Bronze Star Medal (1 Oak Leaf Cluster), Defense Meritorious Service Medal, Meritorious Service Medal (3 Oak Leaf Clusters), Army Commendation Medal (1 Oak Leaf Cluster), Army Achievement Medal (1 Oak Leaf Cluster), Iraq Campaign Medal (4 Bronze Stars), Global War on Terrorism Expeditionary and Service Medals, Master Parachutist Badge, Ranger Tab, Presidential Service Badge, and the Army Engineer Association's Bronze de Fleury Medal.

MEMORANDUM

TO: Governing Board Members
FROM: Ray Palmer, Real Estate
DATE: July 11, 2024
SUBJECT: Land Acquisition, Pal Mar, Martin County

Agenda Item Background:

Pal Mar is located in western Martin County and is generally considered to be a broad flat area of wetlands containing hundreds of small lakes and depression marshes interconnected by seasonal flow ways made up of grassy wet prairies and cypress swamps. The District has been acquiring land on a willing seller basis to preserve and protect this area. Staff is seeking Governing Board approval to acquire five parcels totaling 3.75 acres from willing sellers for a cumulative purchase price of \$60,000.

Additional Item Background:

Core Mission and Strategic Priorities:

The proposed acquisitions of privately-owned land within the Pal Mar Project allow the District to achieve ownership consistent with its environmental goals. The acquisitions will consolidate District ownership with other District owned lands.

Funding Source:

The purchase prices for the five parcels do not exceed the respective appraised values. The closing costs will be paid by the sellers. All costs, including acquisition and associated costs, were or will be funded from dedicated funds (Lease Revenue).

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2024-0701](#)

[Resolution Exhibit A Map](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024-07XX

A Resolution of the Governing Board of the South Florida Water Management District to acquire land interests in five parcels totaling 3.75 acres, more or less, in the total amount of \$60,000, all located in the Pal Mar Project in Martin County, for which dedicated funds (Lease Revenue) are budgeted; providing an effective date.

WHEREAS, the South Florida Water Management District is currently acquiring land from willing sellers in connection with the implementation of the Pal Mar Project in Martin County; and

WHEREAS, the South Florida Water Management District desires to purchase land interests in five parcels totaling 3.75 acres, more or less, in the total amount of \$60,000, all located in the Pal Mar Project, as shown on the location map Exhibit "A," attached hereto and made a part hereof, and declare surplus, disposal of, and removal from the asset records, any such structures and improvements deemed unnecessary for the stated purpose for the original land acquisition; and

WHEREAS, all costs are to be funded from the District's Save Our Rivers Capital Projects Fund for the acquisition and associated costs; and

WHEREAS, the South Florida Water Management District is authorized to acquire land, or interests or rights in land, pursuant to Section 373.139, Florida Statutes; and

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 the acquisition of land interests containing; 0.50 acres, more or less, in the amount of \$8,000; 0.50 acres, more or less, in the amount of \$8,000; 0.75 acres, more or less, in the amount of \$12,000; 1.00 acres, more or less, in the amount of \$16,000; and 1.00 acres, more or less, in the amount of \$16,000, for the Pal Mar Project in Martin County, together with associated costs, for which dedicated funds (Lease Revenue) have been budgeted as follows:

Owner	Tract No.	Interest	Acres	Appraised Value	Purchase Price
Mark A. Kennedy, as the sole heir of Betty Carol Kennedy, Deceased	23111-329	Fee	0.50	\$8,000	\$8,000

Robert L. Brandt	23114-338	Fee	0.50	\$8,000	\$8,000
Malcom G. Ward	23109-268	Fee	0.75	\$12,000	\$12,000
Donna Jones	23113-889	Fee	1.00	\$16,000	\$16,000
Oswald E. Fagnoli, as Trustee of the Fagnoli Family Revocable Trust Agreement Dated June 26, 1996	23113-870	Fee	1.00	\$16,000	\$16,000
Total			3.75	\$60,000	\$60,000

Amount	Fund	Fund Center	Functional Area	GL Account #	Account Description
\$60,000	404001	3510144000	AA00	580020	Acquisition

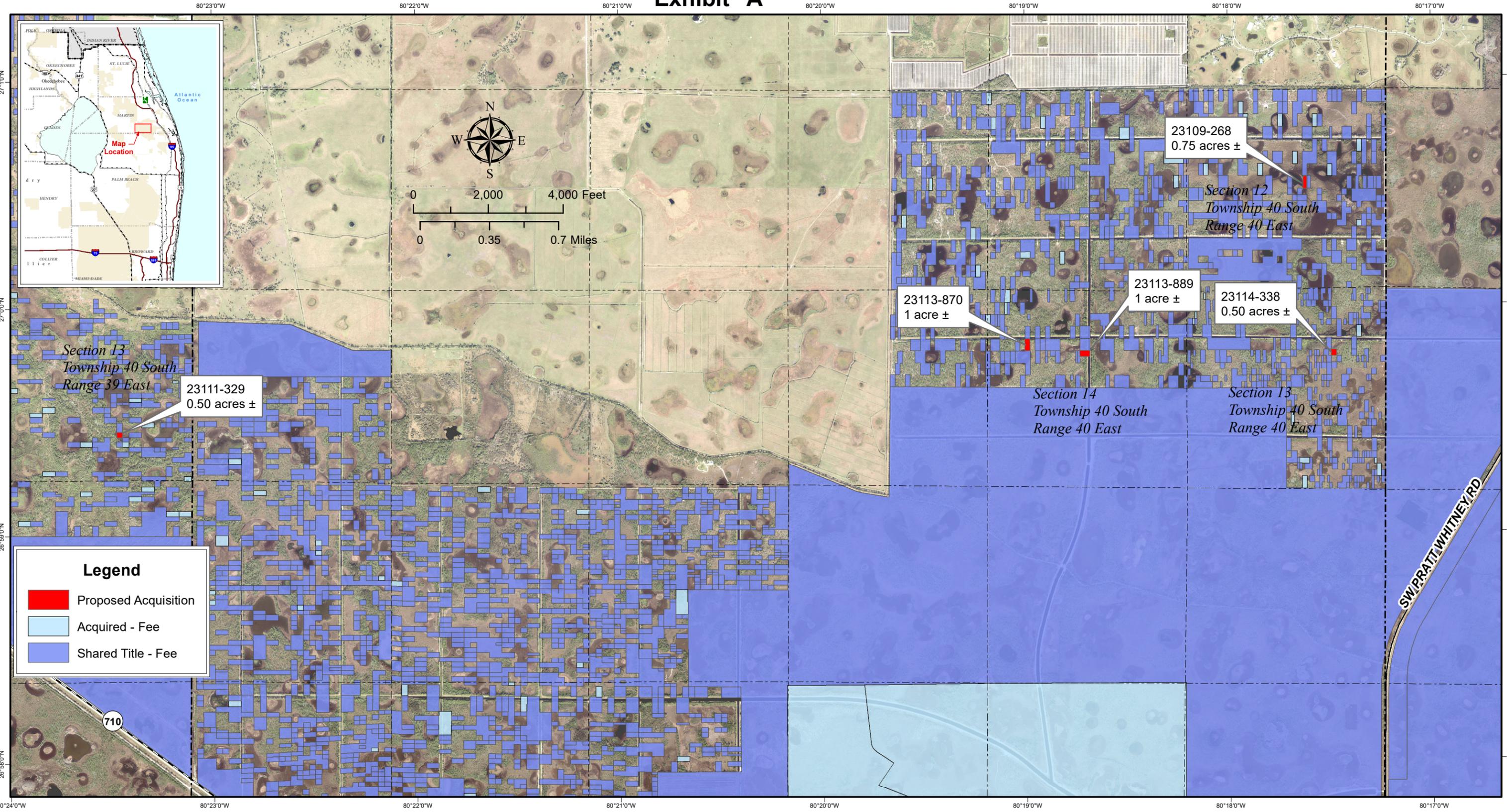
Section 2. The Governing Board of the South Florida Water Management District hereby further approves declaring surplus, disposal of, and removal from the asset records, any such structures and improvements deemed unnecessary for the stated purpose of the original land acquisition.

Section 3. The Governing Board of the South Florida Water Management District hereby authorizes the Chairman or Vice Chairman to execute the Agreement for Sale and Purchase instrument. The Governing Board of the South Florida Water Management District hereby authorizes the Executive Director or the Executive Director's designee to make any determinations in connection with the transaction and execute all other documents necessary to consummate these transactions.

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

PASSED and **ADOPTED** this 11th day of July, 2024.

Exhibit "A"



Legend

- Proposed Acquisition
- Acquired - Fee
- Shared Title - Fee

BASE CREDITS:

- Base map from South Florida Water Mgmt. District, February 2017
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Martin 2023 6IN Aerial

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

Pal Mar

Tracts 23109-268, 23111-329, 23113-870, 23113-889, and 23114-338

Martin County, Florida

IMPORTANT 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.

Map Date: May 2024

MEMORANDUM

TO: Governing Board Members
FROM: Ray Palmer, Real Estate
DATE: July 11, 2024
SUBJECT: Release of Reservations

Agenda Item Background:

The District is required to review canal reservations held by the Board of Trustees of the Internal Improvement Trust Fund and advise the Florida Department of Environmental Protection whether the canal reservations should be released or if there is a present or future need by the District or a local county, city, or drainage district. Applications are reviewed by staff and routed to local governments and water control districts to ascertain if there is a potential need for the reservation.

It has been determined that there is no present or apparent future need for the reservations listed below, therefore staff asks the Board to consider approval of the following:

Broward County

- Recommend approval of release of TIITF canal reservations for Bergeron US 27, LLC, a Florida limited liability company (File No. 18945) for 10.82 acres; release value N/A (TIITF canal reservations)

Additional Item Background:

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

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.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Memorandum Exhibit A](#)

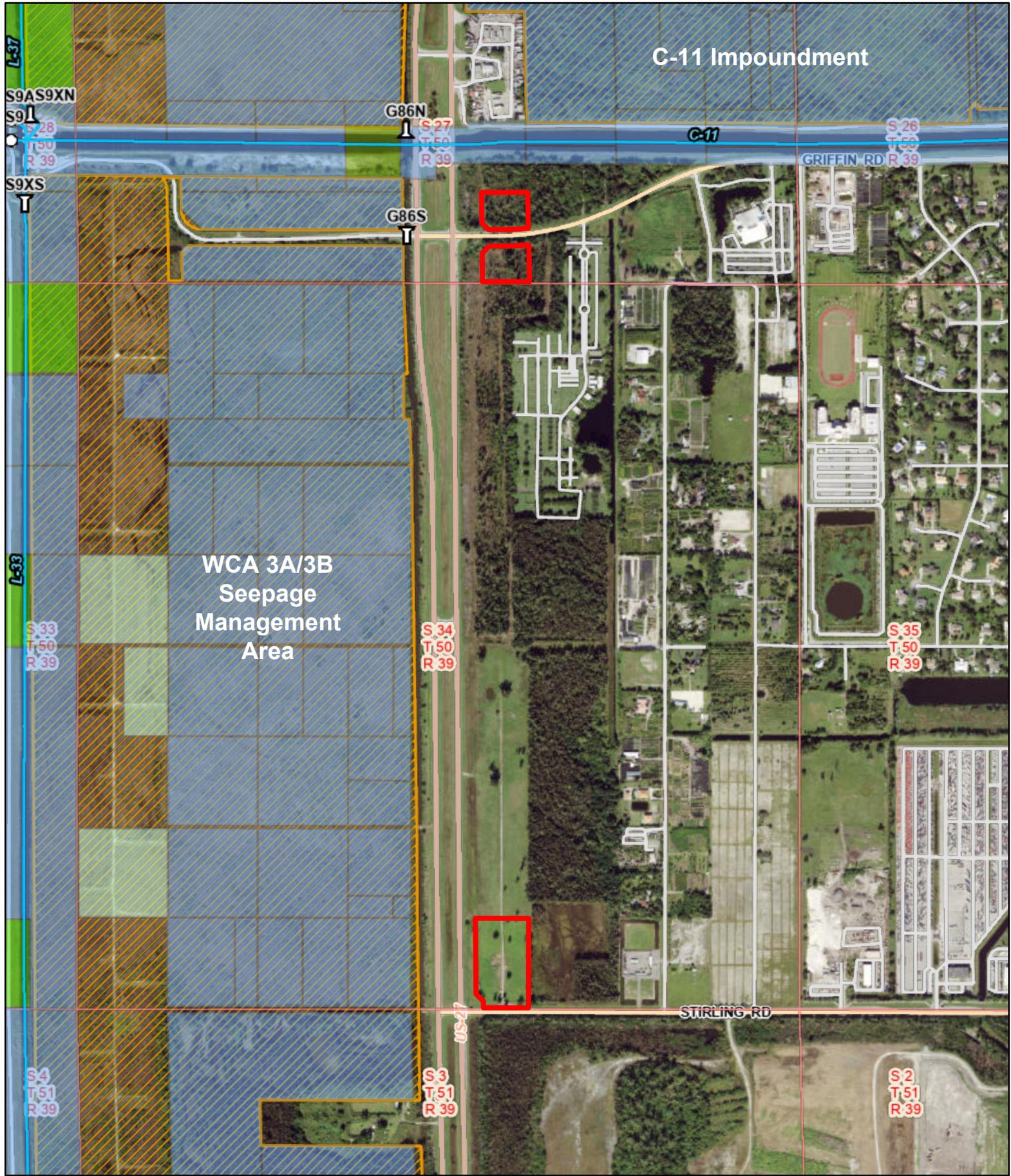
[Maps](#)

[Resolution No. 2024-0702](#)

MEMORANDUM – EXHIBIT “A”

Broward County

File No.: 18945
Applicant: Bergeron US 27, LLC, a Florida limited liability company
Reserving Deeds: 16189 (Deed Book 46, page 252, dated 10/26/1908) and 16189-C (Deed Book 65, page 357, dated 5/14/1912)
Application Fee: \$250.00
Release Value: N/A; TIITF canal reservations
Action: Recommend release of TIITF canal reservations
Acres: 10.82 acres, more or less
Legal Description: Portions of Tracts 51, 52, 61 and 62 in Section 27, Township 50 South, Range 39 East, and all of Tracts 71, 90, 103 and 122, and portions of Tracts 6, 7, 8, 25, 26, 39, 40, 57, 58, 72, 89, 104 and 121 in Section 34, Township 50 South, Range 39 East, all in EVERGLADES LAND COMPANY’S SUBDIVISION, PB 2D-1
Location: Vacant land East of US Highway 27 and South of the C-11 canal, Southwest Ranches, Broward County
Reviewed By: Field Operations Division; Water Supply Development Section; Real Estate Bureau; Right of Way Section; Environmental Resource Permitting Bureau; Ecosystem Restoration Division; Engineering, Construction and Modeling Division; District Resiliency, and South Broward Drainage District



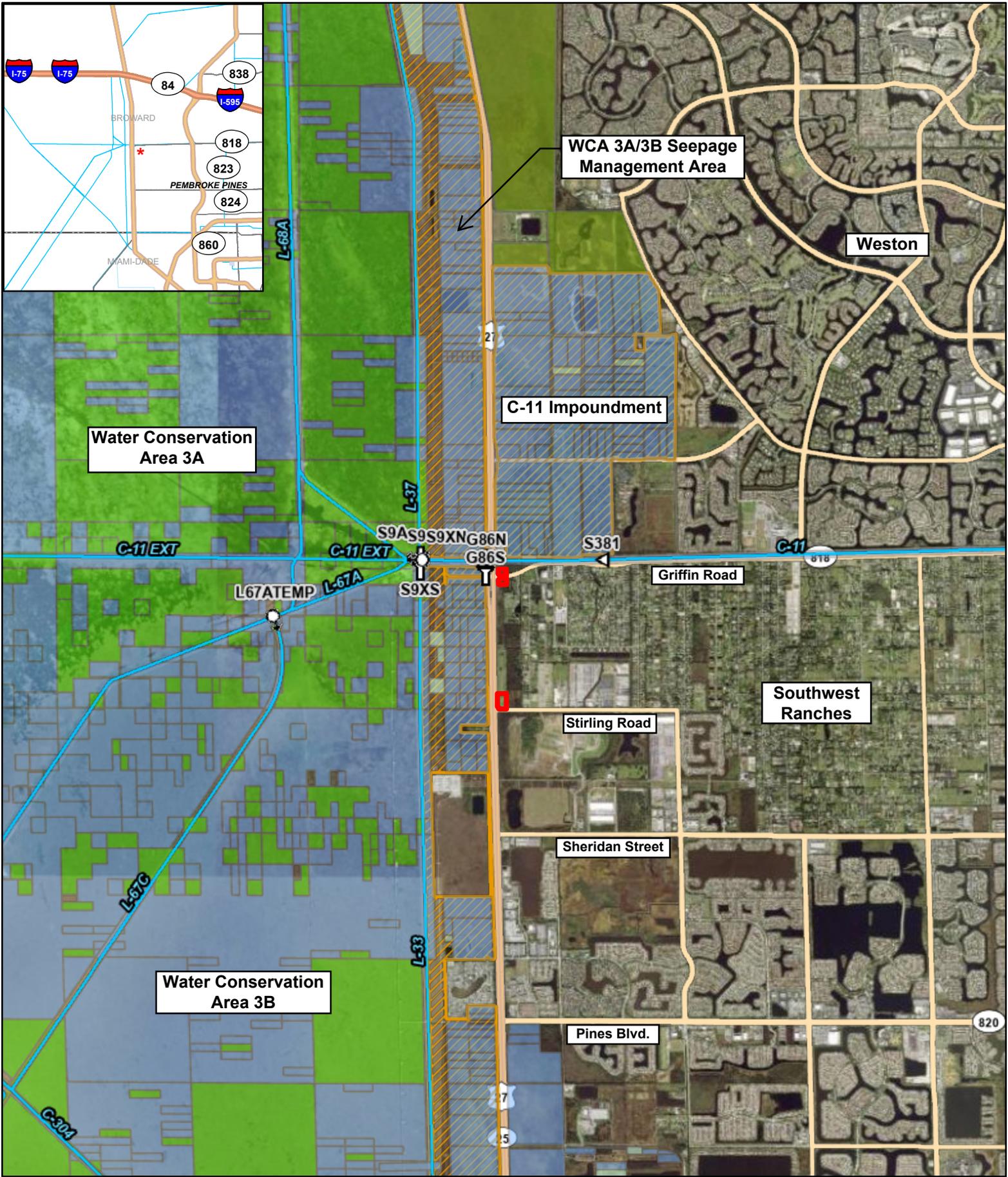
File No. 18945



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



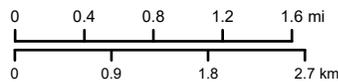
DISCLAIMER:
 This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including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



File No. 18945



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



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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024-07XX

A Resolution of the Governing Board of the South Florida Water Management District to approve recommending release of canal reservations held by the Board of Trustees of the Internal Improvement Trust Fund; providing an effective date.

WHEREAS, the applicant has requested that the South Florida Water Management District advise the Florida Department of Environmental Protection (DEP) on the release of certain canal reservations held by the Board of Trustees of the Internal Improvement Trust Fund (TIITF) in Broward County; and

WHEREAS, the District is empowered to grant such recommendations pursuant to the delegation of TIITF by Florida Administrative Code 18-2.018(3)(e)3., amended March 2, 2016, to the District.

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 recommending release of TIITF canal reservations to DEP, 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 11th day of July, 2024.

RESOLUTION – EXHIBIT “A”

Broward County

File No.: 18945
Applicant: Bergeron US 27, LLC, a Florida limited liability company
Reserving Deeds: 16189 (Deed Book 46, page 252, dated 10/26/1908) and
16189-C (Deed Book 65, page 357, dated 5/14/1912)
Release Value: N/A; TIITF canal reservations
Action: Recommend release of TIITF canal reservations
Acres: 10.82 acres, more or less
Legal Description: Portions of Tracts 51, 52, 61 and 62 in Section 27, Township 50
South, Range 39 East, and all of Tracts 71, 90, 103 and 122,
and portions of Tracts 6, 7, 8, 25, 26, 39, 40, 57, 58, 72, 89, 104
and 121 in Section 34, Township 50 South, Range 39 East, all in
EVERGLADES LAND COMPANY’S SUBDIVISION, PB 2D-1
Location: Vacant land East of US Highway 27 and South of the C-11
canal, Southwest Ranches, Broward County

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: July 11, 2024

SUBJECT: G-6A Pump Station, Critical Flood Control Infrastructure Project, Palm Beach County

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the G-6A Pump Station Project, located in Palm Beach County, will construct an 1,100 cubic feet per second pump station to improve timing of surplus water discharges from the tributary basin and reduce operational dependency placed on the larger existing S-6 pump station. G-6A will allow for one pump unit at S-6 to be out for service while still maintaining the maximum design discharge from the Hillsboro Canal into Stormwater Treatment Area 2 (STA-2) as well as gradual increase and decrease of flow which will benefit STA performance. STA-2 is a major component of the Everglades Construction Project, required by the Everglades Forever Act and Everglades Settlement Agreement. G-6A serves as an auxiliary pump station to S-6, which is the primary inflow pump station into STA-2 with a total pumping capacity of 2,925 cubic feet per second.

The G-6A pump station is Phase III of a multi-phased project to improve critical flood control infrastructure. The area served by this pump station experiences flooding challenges. During events with extreme flooding, excess water instead of being pumped into Lake Okeechobee via the S-2 pump station is delivered to STA-2. The addition of the G-6A pump station can also be used to benefit areas to the east that otherwise could have increased flood potential or would have been required to discharge to tide by adding additional operational flexibility for changing rainfall patterns.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 25, 2024.

Additional Item Background:

Core Mission and Strategic Priorities:

G-6A pump station supports the District's missions of flood control, water supply, water quality and ecosystem restoration.

Funding Source:

G-6A pump station Project will be funded through dedicated funds (State Appropriations) and Ad Valorem funds.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

Resolution No. 2024-0703

Backup Presentation

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 1042-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder for the construction of the G-6A Pump Station critical flood control infrastructure Project, in the amount of \$99,448,892, for which \$200,000 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years' budgets; providing an effective date. (Contract No. 4600005019)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a 1042-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder for the construction of the G-6A Pump Station, in the amount of \$99,448,892.

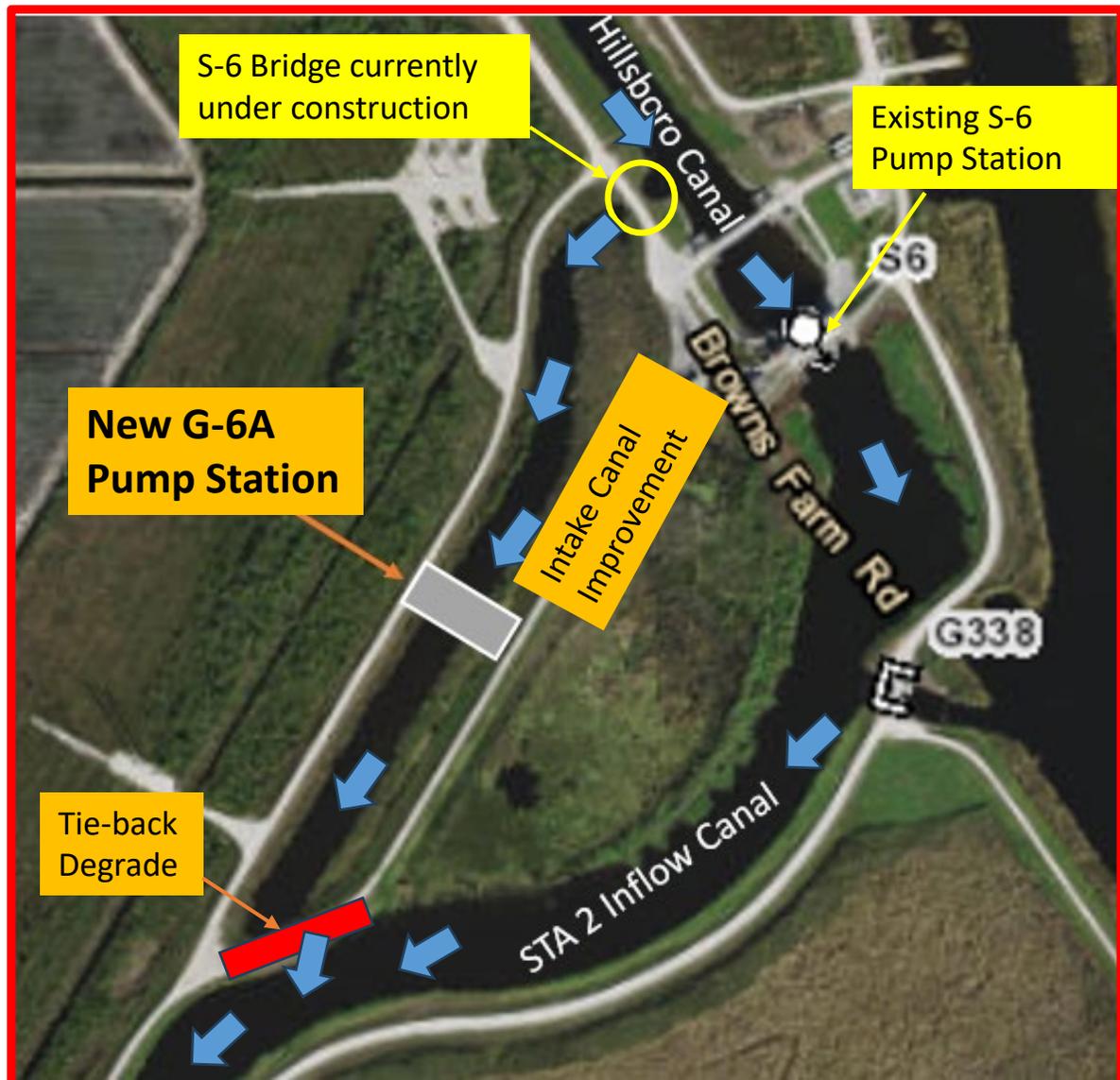
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a 1042-day contract with Harry Pepper & Associates, Inc., the lowest and responsive bidder for the construction of the G-6A Pump Station Project, in the amount of 99,448,892, for which \$200,000 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing approval of future years' budgets. (Contract No. 4600005019).

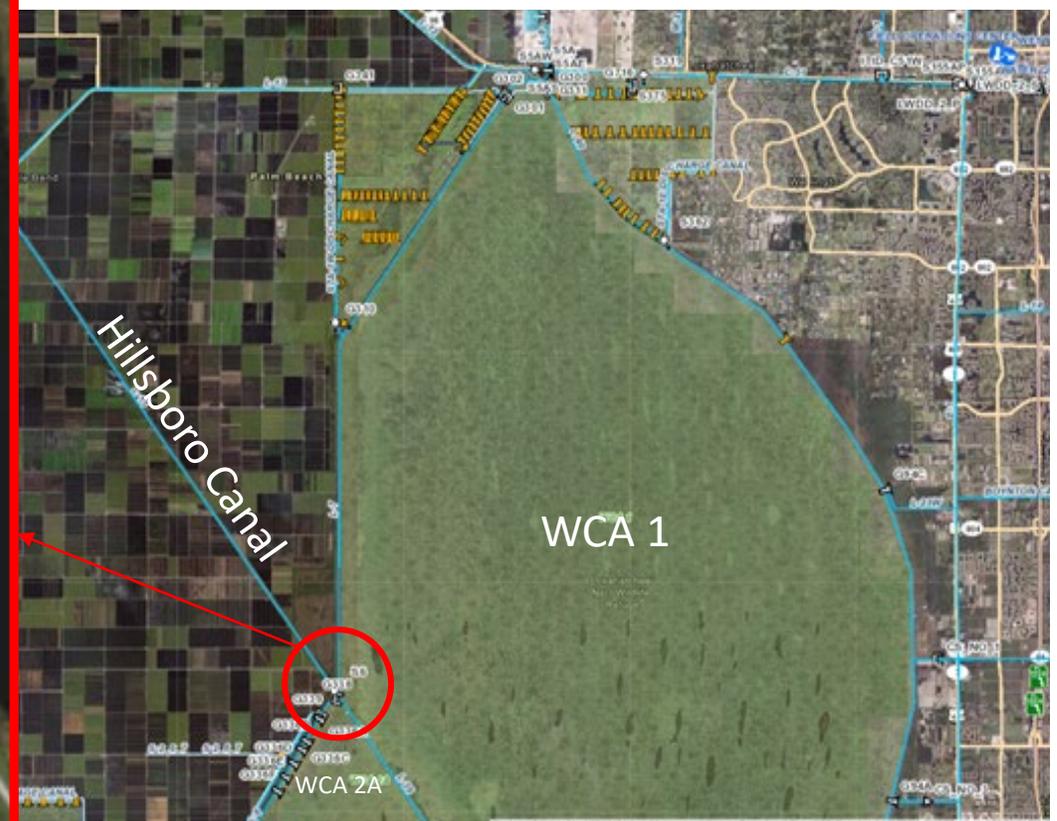
Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 11 day of July, 2024.

Location Map



Location: Palm Beach County



Background

- Existing S-6 pump station, rated at total 2,925 cubic feet per seconds (CFS), provides inflow to Stormwater Treatment Area 2 (STA2)
- New G-6A pump station, rated at total 1,100 CFS, is auxiliary to S-6 pump station with the following purposes:
 - To improve timing of surplus water discharges from the tributary basin and reduce operational dependency placed on the larger S-6 pump station.
 - To allow for one pump unit at S-6 to be out for service while still maintaining the maximum design discharge from the Hillsboro Canal into STA-2
 - To allow for a more gradual increase and decrease of flow from the Hillsboro Canal into STA-2, which could be beneficial for STA performance.

Scope

- G-6A pump station intake canal improvement to meet conveyance requirement.
- G-6A Pump Station rated at total 1,100 (CFS)
 - (2) 475-CFS diesel-driven pumps
 - (1) 100-CFS electric-driven pump for water supply
 - Headwater and tailwater stilling well platforms
 - Autosamplers for G-6A and S-6 pump stations
- Tie back degrade

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: July 11, 2024

SUBJECT: S-169 Demolition / S-169W-MS with Trash Rake (Manatee Structure), Critical Flood Control Infrastructure Project, Hendry County

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the S-169 Demolition / S-169W-MS with Trash Rake (Manatee Structure) Project, located in Hendry County, includes construction of a new structure with trash rake debris removal system and manatee barrier. This project is part of the Statewide Resilience Fiscal Year 2024-2025 Plan.

In 2021, the District completed the construction of a new gated control structure, S-169W as part of the relocation of the existing failing S-169 structure. Following completion of the new S-169W structure, the City of Clewiston, per agreement with the District, began construction of a new bridge to access public use facilities along the Herbert Hoover Dike, and the District is required to demolish the existing S-169 structure within six months of the bridge construction completion. The removal of the existing structure makes it possible for manatees to enter the C-21 Canal and advance towards the new S-169W structure. In order to meet the District's goal of zero mortality rate for manatees, the new S-169W structure needed manatee barriers in addition to a trash rake debris removal system.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 26, 2024.

Additional Item Background:

Core Mission and Strategic Priorities:

S-169 Demolition / S-169W-MS with Trash Rake (Manatee Structure) Project supports the District's core missions of flood control and water supply.

Funding Source:

S-169 Demolition / S-169W-MS with Trash Rake (Manatee Structure) Project will be funded through dedicated funds (State Appropriations) and Ad Valorem funds.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

Resolution No. 2024-0704

Backup Presentation

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 416-day contract with Douglas N. Higgins, Inc., the lowest responsive and responsible bidder, for the S-169 Demolition & S-169W-MS with Trash Rake (Manatee Structure) critical flood control infrastructure Project, in the amount of \$9,572,000, for which \$186,400 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years budgets, providing an effective date. (Contract No. 4600005021)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a 416-day contract with Douglas N. Higgins, Inc., for the S-169 Demolition & S-169W-MS with Trash Rake (Manatee Structure) Project, in the amount of \$9,572,000.

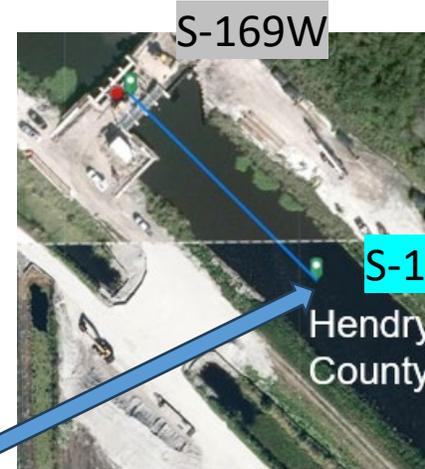
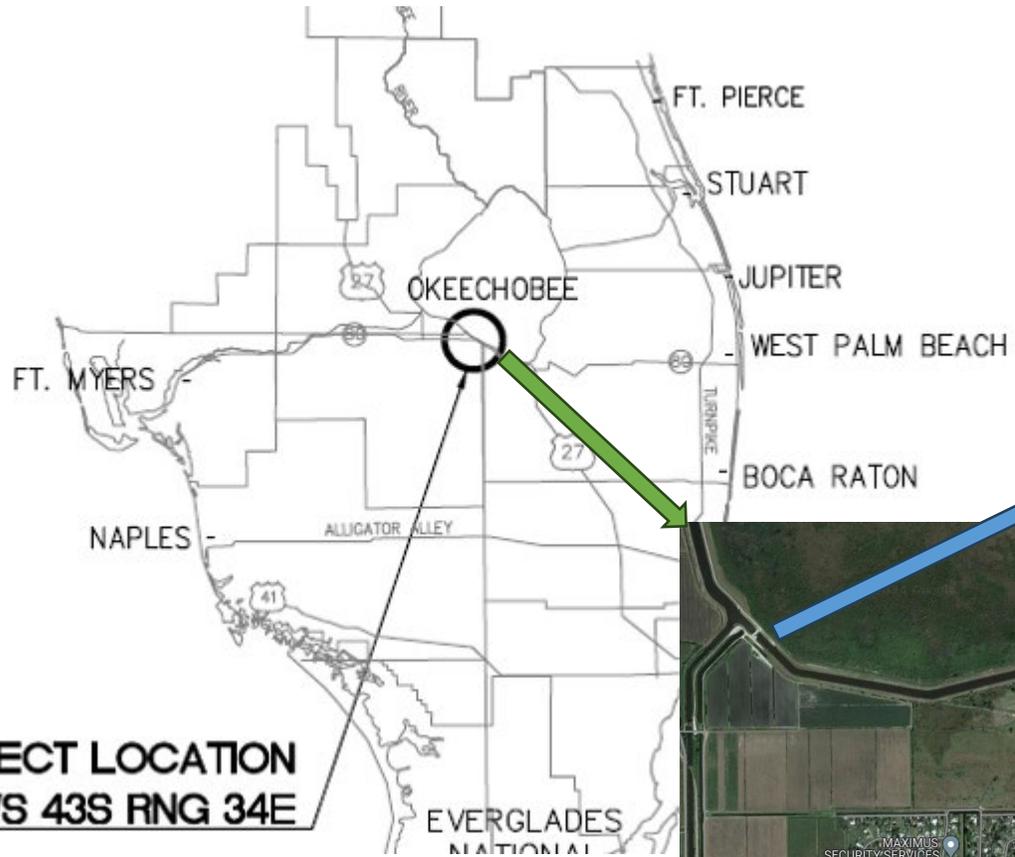
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a 416-day contract with Douglas N Higgins, Inc., the lowest responsive and responsible bidder, for the S-169 Demolition & S-169W-MS with Trash Rake (Manatee Structure) Project, in the amount of \$9,572,000, for which \$186,400 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600005021)

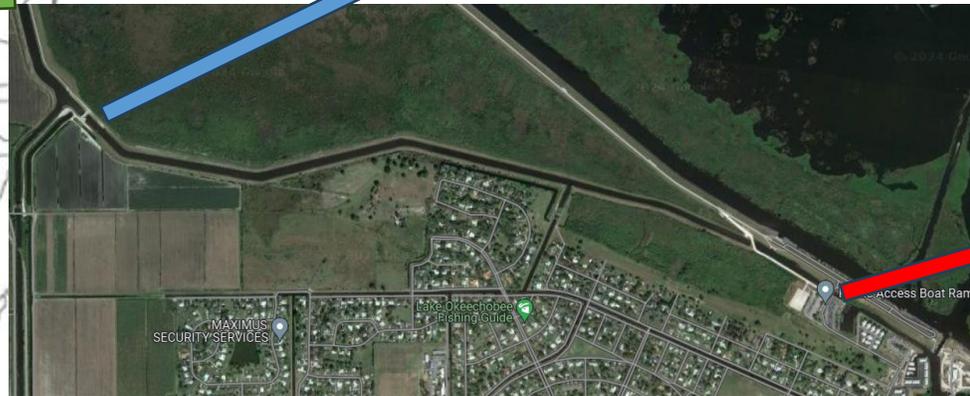
Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 11th day of July, 2024.

Location Map



S-169W-MS

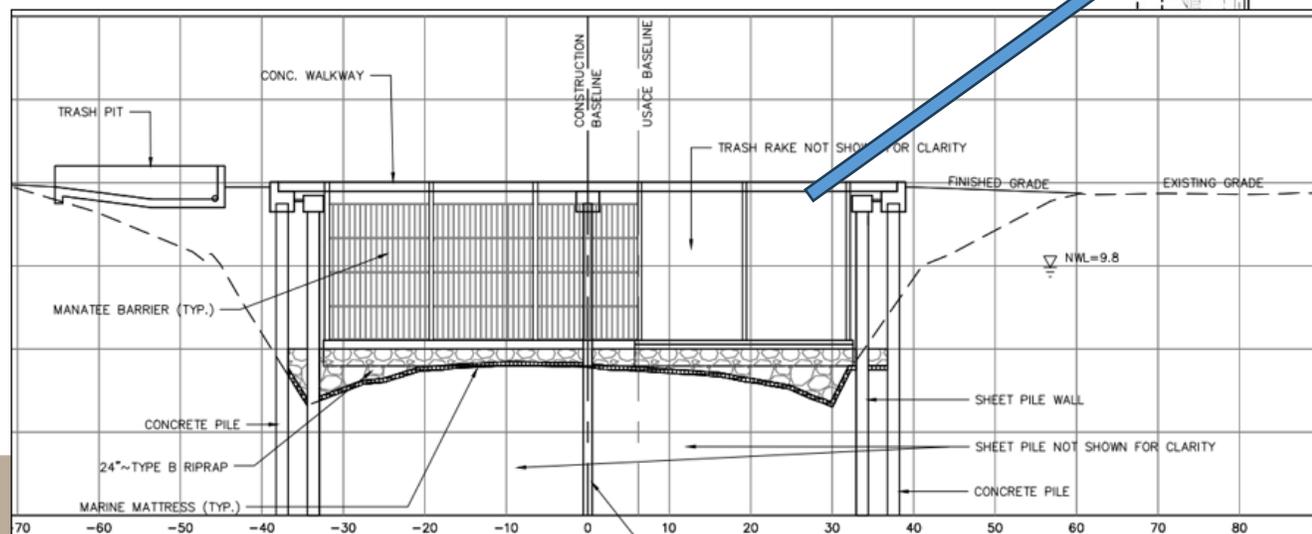
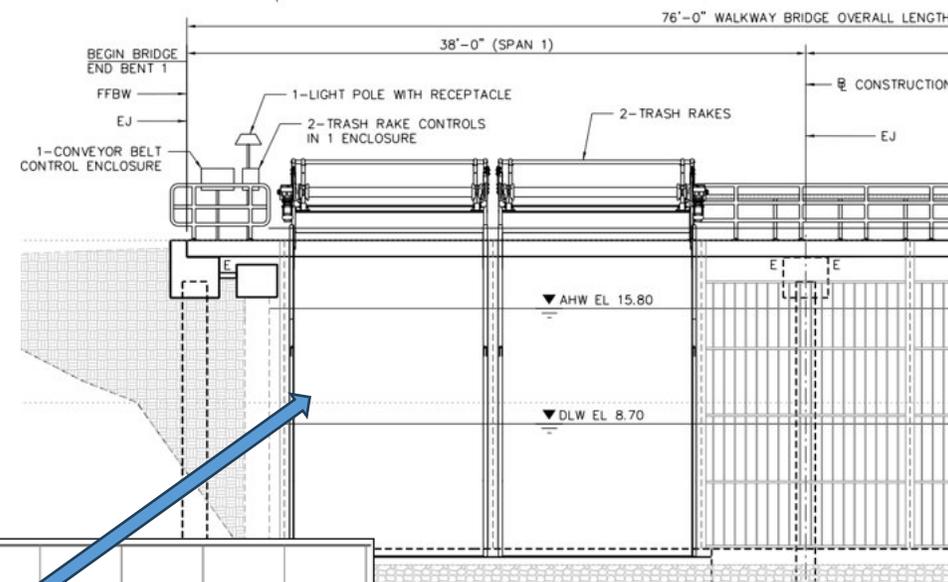


Background

- This Project is located in Hendry County and is part of the District's Operations and Maintenance Critical Flood Control Infrastructure Capital Program.
- In 2021, the District completed the construction of a new gated control structure, S-169W as part of the relocation of the existing failing S-169 gated structure.
- Following completion of the new S-169W structure, the City of Clewiston, per agreement with the District, began construction of a new bridge to access public use facilities along the Herbert Hoover Dike and the District is required to demolish the existing S-169 structure within 6 months of the bridge construction completion.
- The removal of the existing structure makes it possible for manatees to enter the C-21 Canal and advance towards the new S-169W structure. In order to meet the District's goal of zero mortality rate for manatees, the new S-169W structure needed manatee barriers and screens to prohibit their access to the new structure.
- Additionally, the manatee barrier also necessitates the need for a trash rake removal system to collect debris that is trapped on the manatee barrier system.

Scope

- Construction of a main bridge structure
- Installation of two 12.8' wide trash rakes
- Addition of a conveyor system with 30" belt with trash pit
- Installation of three Manatee grates (barriers)
- Power supply from existing gate control building
- New light pole on bridge near control panels
- Control wiring connected to existing S169W structure
- Demolition of the Old S169 bridge structure



MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Ecosystem Restoration & Capital Projects

DATE: July 11, 2024

SUBJECT: S-25B and S-26 Pump Replacement, Critical Flood Control Infrastructure Project, Miami-Dade County

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the S-25B and S-26 Pump Replacement Project, located in Miami-Dade County, includes replacing four Flygt Pumps, one of which is a spare pump. The S-25BP and S-26P pump stations were constructed in 2004 to maintain flood control discharges to tide out of the C-4 and C-6 Canal Basins. The pump stations supplement the existing gated structures at these locations by operating when downstream stages are too high to pass discharges due to tidal cycles or storm surge. The pump stations were designed to pass 100% of the Standard Project Flood without exceeding upstream flood design stage. Each pump station consists of three 200-cfs submersible pumps.

One Flygt pump was previously replaced at S-26 and two were replaced at S-25B. This project will replace the remaining three existing pumps and provide an additional spare pump that is interchangeable with either pump station location. Dependence on these pumps is critical to flood control operations as these are coastal structures. The Flygt pumps are planned to be received during Fiscal Year 2024-2025 and installed during dry season in Fiscal Year 2025-2026.

These pumps will be procured using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy via piggyback of Pinellas County Contract for Bid 21-0222-B BRW with Xylem Water Solutions U.S.A., Inc.

Additional Item Background:

Core Mission and Strategic Priorities:

This project supports the District's core missions of flood control and resiliency.

Funding Source:

The S-25B and S-26 Pump replacement Project will be funded through dedicated funds (State Appropriations) and Ad Valorem funds.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

[Resolution No. 2024-0705](#)

Backup Presentation

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize the purchase of four Flygt pumps, in support of the S-25B and S-26 Pump Replacement critical flood control infrastructure Project, in the amount of \$1,610,983.47 for which dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and using a special procurement pursuant to Sec. 155-6. of the District's Procurement Policy using Pinellas County Contract for Bid 21-0222-B BRW with Xylem Water Solutions U.S.A., Inc., providing an effective date. (Purchase Order No. 4500149576)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to enter into the purchase of four Flygt pumps, including a spare, in the amount of \$1,610,983.47 using Pinellas County Contract for Bid 21-0222-B BRW with Xylem Water Solutions U.S.A., Inc.

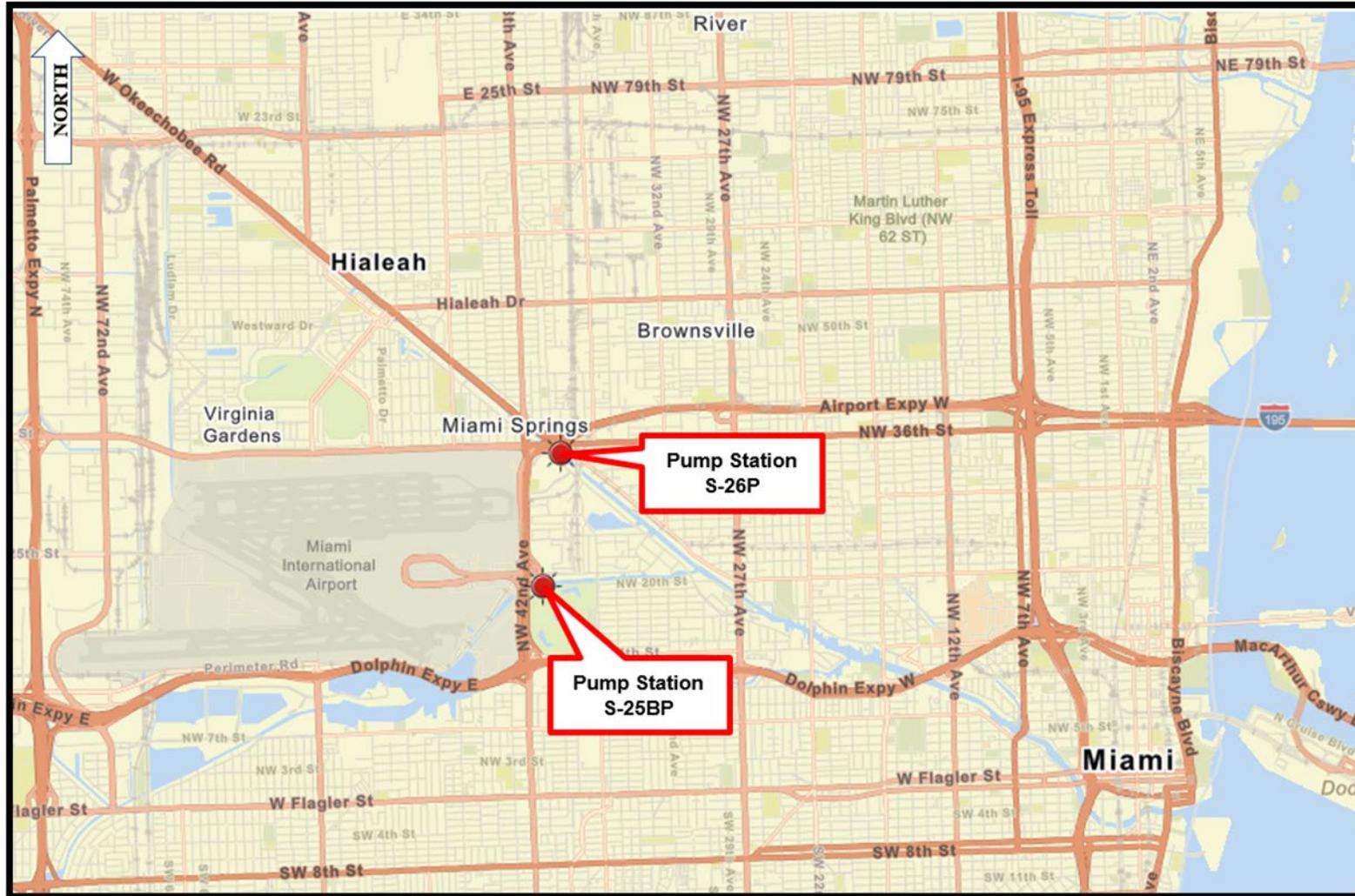
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby approves the purchase of one pump for Pump Station S-25BP, two pumps for Pump Station S-26P and a spare pump, in the amount of \$1,610,983.47 using a special procurement pursuant to Sec. 155-6 of the District's Procurement Policy for which dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024. (Purchase Order No. 4500149576)

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

PASSED and ADOPTED this 11th day of July, 2024.

Location



Background

- The S-25BP and S-26P pump stations, in Miami-Dade County, were constructed in 2004 to maintain flood control discharges to tide out of the C-6 Canal Basin. The pump stations supplement the existing gated structures at these locations by operating when downstream stages are too high to pass discharges due to tidal cycles or storm surge.
- Each pump station consists of three (3) 200-cfs submersible pumps. One Flygt Pump was installed at S-26 in early 2022 and two at S-25B in early 2024, for a total of three Flygt Pumps.
- Dependence on these pumps is critical to flood control operations as these are coastal structures.

Pump Stations for Pump Replacements



Pump Station S-25BP (Upstream)



Pump Station S-26P (Downstream)

Existing 200-cfs Pumps & Newly Installed Pump



Existing 200-cfs Pumps



Newly Installed Flygt Pump at S-25B



Scope

- Purchase of four Flygt pumps to fully equip S-25BP and S-26P pump stations with standardized Flygt pumps, including a spare.
- The Flygt pumps are planned to be received during FY25 and installed during dry season in FY26.
- Pumps will be procured using a special procurement pursuant to Sec. 155-6. of the District's Procurement Policy via piggyback under a Pinellas County Contract for Bid 21-0222-B BRW with Xylem Water Solutions U.S.A., Inc.

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: July 11, 2024

SUBJECT: S-71 Navigation Boat Lock Agreement with Seminole Tribe of Florida, Glades County

Agenda Item Background:

As part of the Operations & Maintenance Critical Flood Control Infrastructure Capital Program, the S-71 water control structure, located in Glades County, requires full replacement. While coordinating with the Seminole Tribe of Florida (Seminole Tribe) about the replacement structure, the Seminole Tribe inquired about incorporating a navigational boat lock in the design of the new S-71 structure. This agreement includes design and construction of a new Navigation Boat Lock with Improvements, including but not limited to, a separator peninsula, rerouting of the community ditch, realignment of the C-41 Canal, demolition of the existing tailwater weir, relocation and replacement of G-207 water supply pump station, Beck Intake, L-60W Culvert, PC-07 on L-61, 1962 Culvert, and new access road culvert.

Under this agreement, the Seminole Tribe will be responsible for funding 100% of the construction of the Navigation Boat Lock with Improvements, 100% of the operations and maintenance of the Navigation Boat Lock and lock tender facilities, and cost share 50% of the sheet pile installation for construction and future maintenance or replacement to support the Herbert Hoover Dike level of protection measures from the existing structure to the new structure and navigation boat lock.

Additional Item Background:

Core Mission and Strategic Priorities:

The S-71 Replacement Project in coordination with the new S-71 Navigation Boat Lock with Improvements supports the District's core missions of flood control and water supply.

Funding Source:

The S-71 Navigation Boat Lock with Improvements will be funded through Ad Valorem and Seminole Tribe.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

[Resolution No. 2024-0706](#)

[Backup Presentation](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an agreement with the Seminole Tribe of Florida for the purpose of incorporating a Navigation Boat Lock with Improvements in the design and construction of the new S-71 structure, providing an effective date. (Contract No. 4600005032)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into this Agreement with Seminole Tribe of Florida (Seminole Tribe); and

WHEREAS, this agreement includes design and construction of a new Navigation Boat Lock with Improvements, including but not limited to, a separator peninsula, rerouting of the community ditch, realignment of the C-41 Canal, demolition of the existing tailwater weir, relocation and replacement of G-207 water supply pump station, Beck Intake, L-60W Culvert, PC-07 on L-61, 1962 Culvert, and new access road culvert; and

WHEREAS, under the agreement, the Seminole Tribe will be responsible for funding 100% of the construction of the Navigation Boat Lock with Improvements, 100% of the operations and maintenance of the Navigation Boat Lock and lock tender facilities, and cost share 50% of the sheet pile installation for construction and future maintenance or replacement to support the Herbert Hoover Dike level of protection measures from the existing structure to the new structure and navigation boat lock.

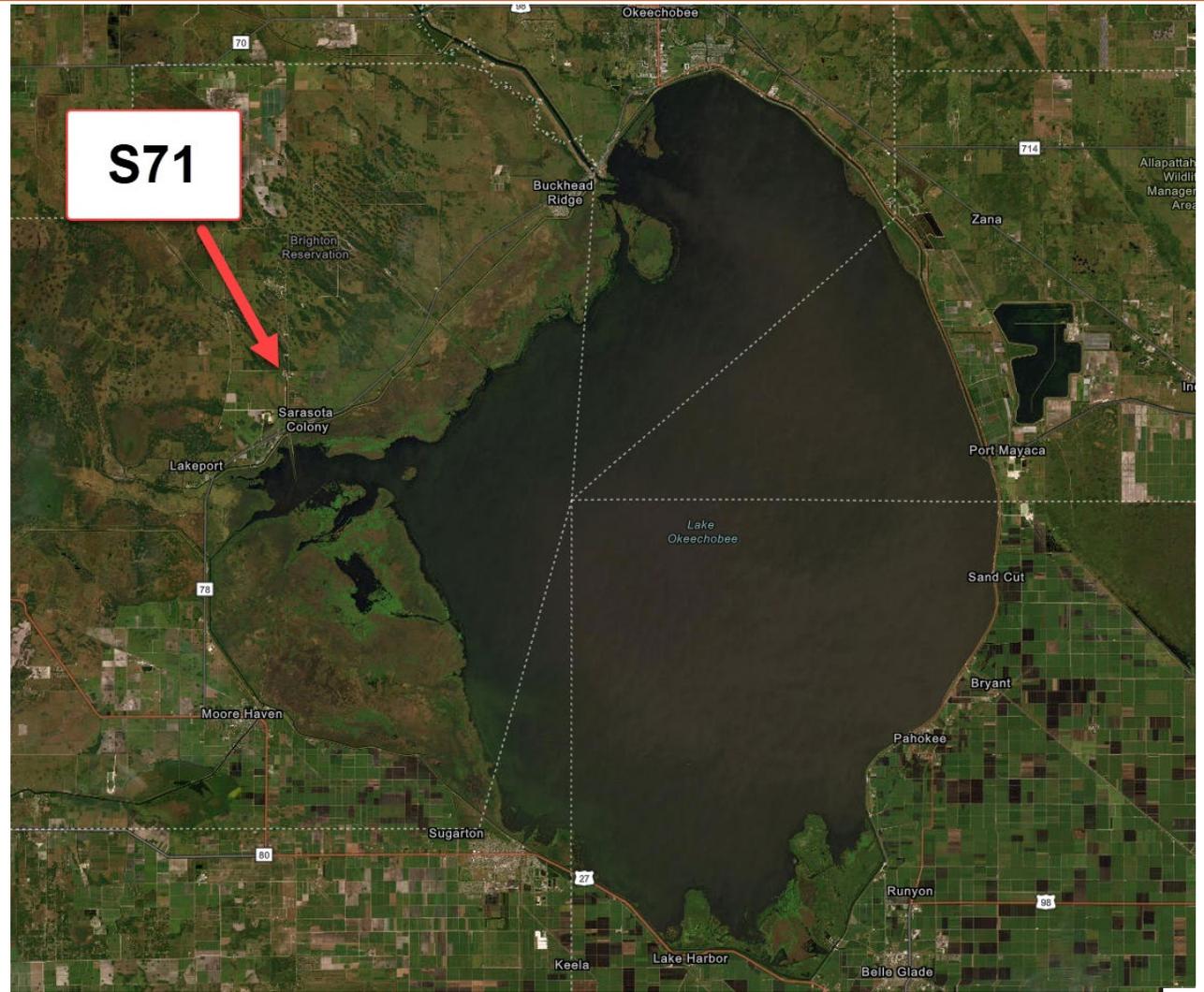
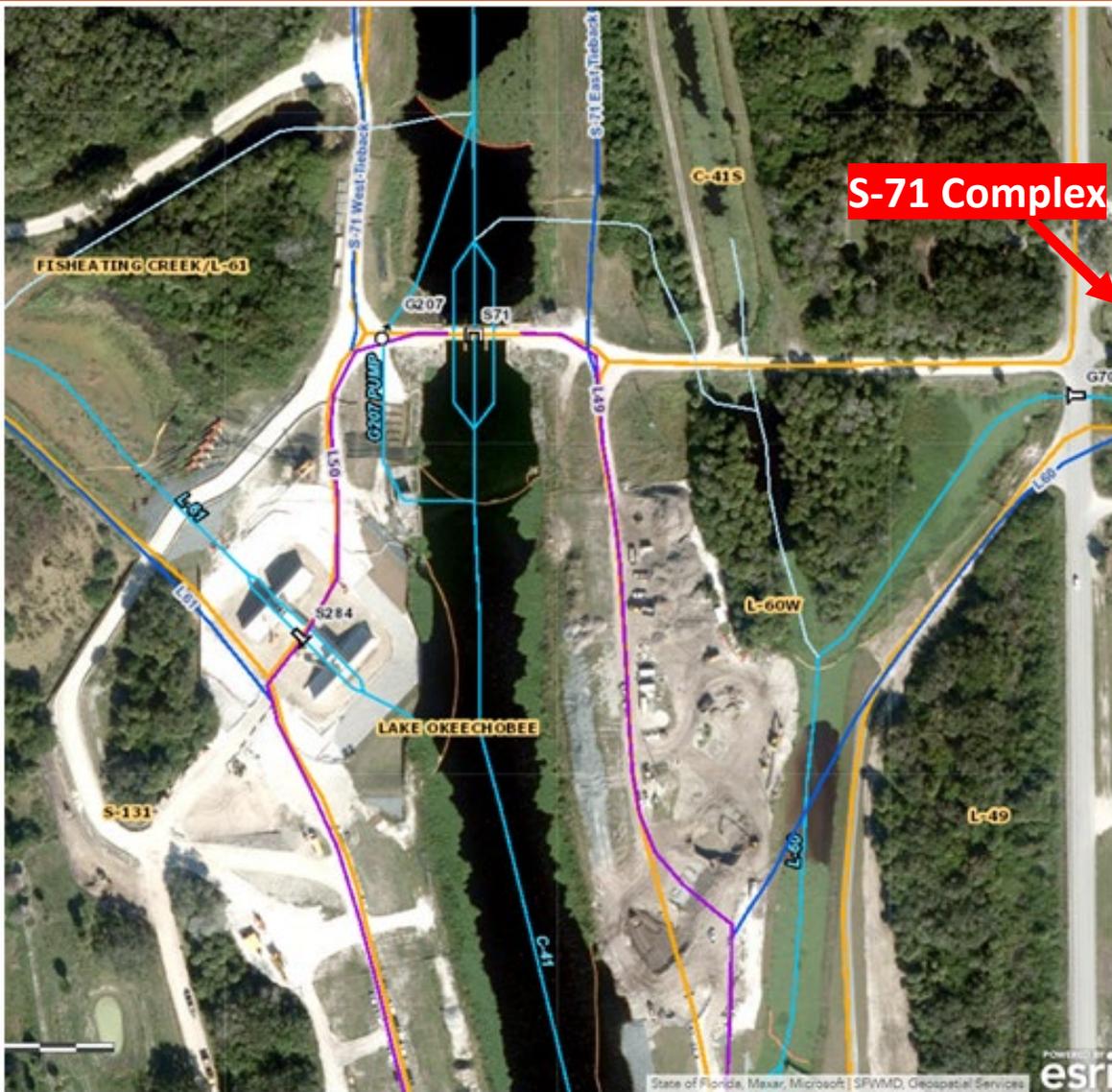
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into an agreement with the Seminole Tribe of Florida for the purpose of incorporating a Navigation Boat Lock with Improvements in the design and construction of the new S-71 structure. (Contract No. 4600005032)

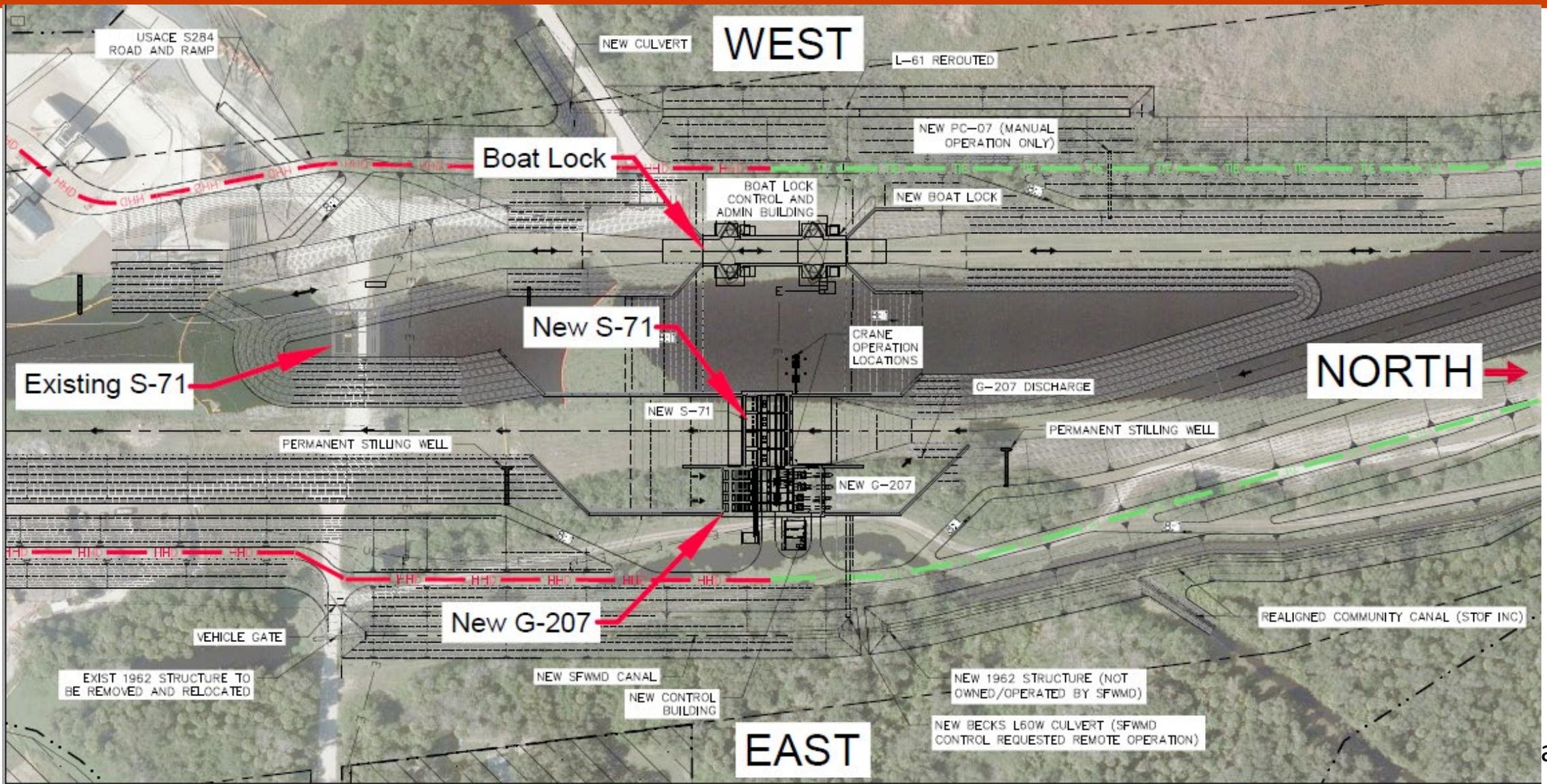
Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 11th day of July, 2024.

Location Map



Conceptual Design Layout



Scope

- Design and Construction:
 - New Navigation Boat Lock and Separator Peninsula
 - Relocation and replacement of G-207 Pump Station, Beck Intake, L-60W Culvert, PC-07 on L-61, 1962 Culvert, and Community Ditch
 - Realignment of the C-41 Canal
 - Demolition of the existing S-71 Tailwater Weir
 - New Access Road Culvert

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: July 11, 2024

SUBJECT: S-9 and S-9A Trash Rake and Pump Station Refurbishments, Critical Flood Control Infrastructure Project Change Order No. 8, Broward County

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the S-9 and S-9A Trash Rake and Pump Station Refurbishments Project, located in Broward County, consists of a new trash rake bridge and rake system, new generator building, fuel system upgrades, refurbishment of main pump #3 and miscellaneous site and building upgrades and repairs. The upgrades are needed to maintain the pump station's operating efficiency and reliability by replacing or refurbishing equipment that is near its end-of-life cycle. The S-9 and S-9A pump stations were originally constructed in 1956 and 2002, respectively.

On November 10, 2021, the Governing Board awarded the S-9 and S-9A Trash Rake and Pump Station Refurbishments Project contract to Harry Pepper & Associates for \$27,492,651.00 (Contract No. 4600004514). On April 11, 2024, the Governing Board approved Change Order No. 7 (Contract No. 4600004514-CO07) that revised the contract cost to \$31,538,038.01.

During the required construction activities to dismantle the existing pump components, pump system components were observed to show significant corrosion and wear from almost 70 years of use. In order to be proactive and prevent a potential pump station failure in the near future, these components should be replaced now while the pumps are being refurbished. Change Order No. 7 included pre-purchase of the new pump shafts for S-9 and fabrication of four flap gates and discharge pipes for S-9A. Change Order No. 8 includes the refurbishment of impellers and replacement of three 2-piece pump shafts and associated hardware. Additionally, corrosion and damages were discovered that required repair of the service bridge and lead abatement at S-9, and replacement of four flap gates and discharge pipes at S-9A. These changes result in an increase to the Contract price by \$8,768,968.13 for a revised total contract value of \$40,307,006.14 and adds 693 days to the Contract time.

Additional Item Background:

Core Mission and Strategic Priorities:

The S-9 and S-9A Trash Rake and Pump Station Refurbishments Project supports the core missions of flood control, water supply, and ecosystem restorations.

Funding Source:

Funded through dedicated funds (State Appropriations) and Ad Valorem funds.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

Resolution No. 2024-0707

Backup Presentation

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize Change Order No. 8 with Harry Pepper & Associates, Inc., for the construction of the S-9 and S-9A Trash Rake and Pump Station Refurbishments critical flood control infrastructure Project, for an additional amount not to exceed \$8,768,968.13, for which dedicated funds (State Appropriations) and Ad Valorem are budgeted in Fiscal Year 2023-2024; providing an effective date. (Contract No. 4600004514-CO08)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize Change Order No. 8 with Harry Pepper & Associates, Inc., for the construction of the S-9 and S-9A Trash Rake and Pump Station Refurbishments Project.

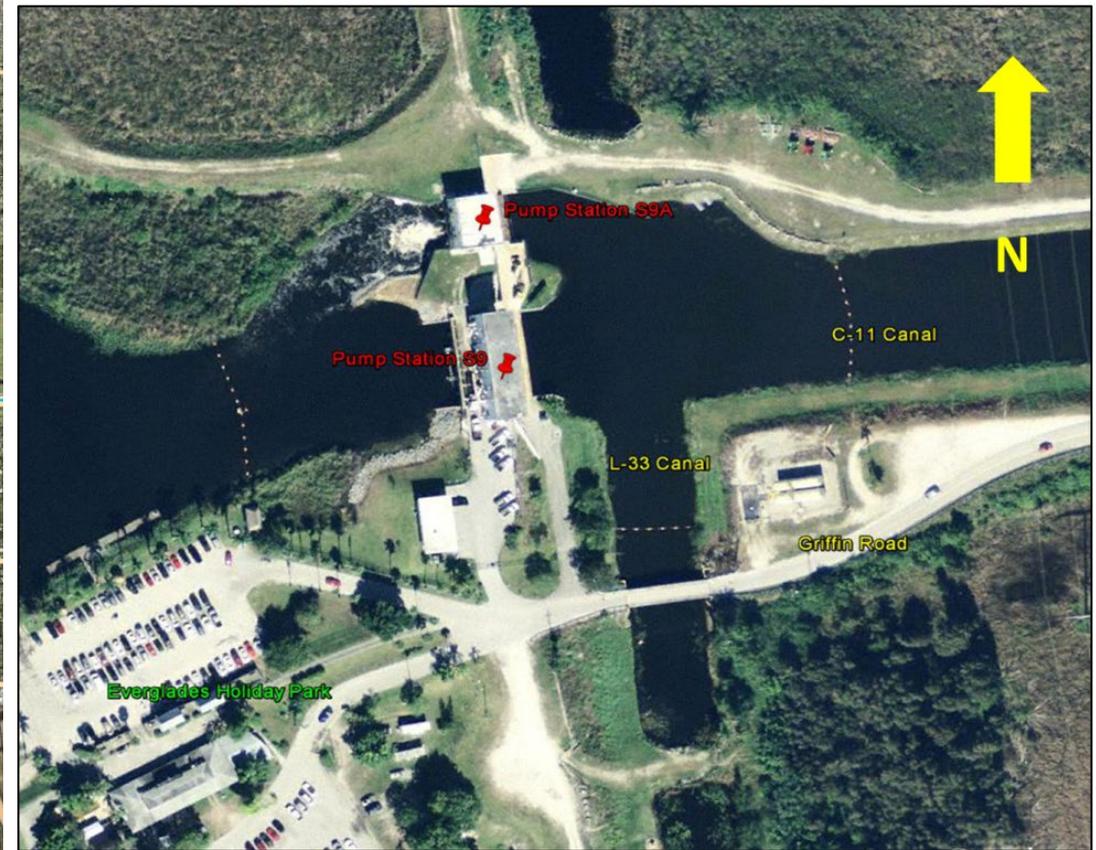
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes Change Order No. 8 with Harry Pepper & Associates, Inc., for an additional amount not to exceed \$8,768,968.13, for which dedicated funds (State Appropriations) and Ad Valorem are budgeted in Fiscal Year 2023-2024. (Contract No. 4600004514-CO08).

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

PASSED and ADOPTED this 11th day of July, 2024.

Location



Background

- As part of the Operations and Maintenance Capital Program, the S9 and S9A Trash Rake and Pump Station Refurbishments Project, located in Broward County, consists of a new trash rake bridge and rake system, new generator building, fuel system upgrades, refurbishment of main pump #3 and miscellaneous site and building upgrades and repairs.
- On November 10, 2021, the Governing Board awarded the S9 and S9A Trash Rake and Pump Station Refurbishments Project contract to Harry Pepper & Associates for \$27,492,651.00 (Contract No. 4600004514).
- On April 11, 2024, the Governing Board approved Change Order No 7 (Contract No. 4600004514-CO07) that revised the contract cost to \$31,538,038.01.
- Change Order No. 7 included pre-purchase of the S-9 pump shafts to replace existing shafts that exhibit almost 70 years of corrosion and wear and fabrication of S-9A discharge pipe and flap gates.

S-9 & S-9A Trash Rake and Pump Station Progress



New Trash Rake Bridge

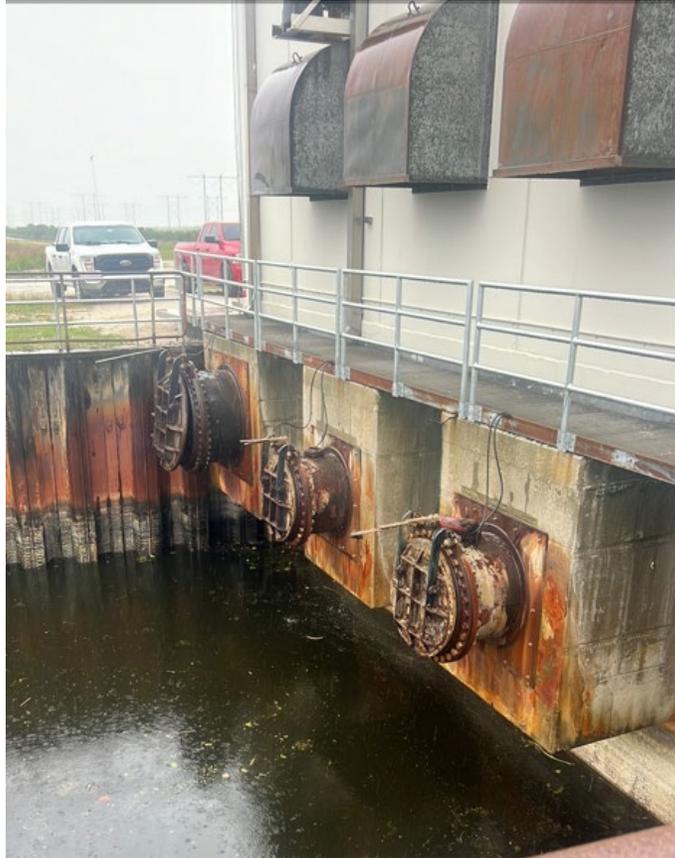


**New Trash Rack Bridge, Stilling Well,
and Control Building**



New Generator Building

S-9A & S-9 Existing Conditions



S-9A Pump Discharge: North Pipes



Service Bridge Needing Repairs



S-9 Pump Observed Shaft Corrosion

Scope of Work

- During removal of the existing pumps and ongoing construction, additional components were uncovered that showed signs of corrosion and wear. This additional work includes:
 - S9 Pump Station
 - Install 2-piece shafts, each at Pump #1, Pump #2, and Pump #3, requires 2 shafts replaced in 1st dry season and 1 shaft in 2nd dry season (purchased under CO No. 7)
 - Refurbish impellers at Pump #1 and Pump #2
 - Repair service bridge per engineering report
 - Paint pumps for lead abatement
 - S9A Pump Station
 - Replace 4 discharge pipes and flap gates (purchased under CO No. 7)
- Change Order No. 8 increases the Contract Price by \$8,768,968.13 and adds 693 days to the contract duration. New Contract Price will be \$40,307,006.14.

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: July 11, 2024

SUBJECT: STA 1W Expansion #1 Outflow Structures Backup Generator Project, Critical Flood Control Infrastructure Project, Palm Beach County

Agenda Item Background:

As part of the Operations & Maintenance Critical Flood Control Infrastructure Capital Program, the STA 1W Expansion #1 Outflow Structures Backup Generator project, located in Palm Beach County, will allow the District to provide permanent backup power to triple gated spillways G-728, G-730, G-732, and G-734. After the completion of the STA 1W Expansion # 1 project in 2020, an evaluation was done that determined a need for permanent backup generators and related features for the four outflow structures (G-728; G-730; G-732 & G-734). The capability of moving a large portable generator to each of these structures when necessary is not efficient for the outflow (spillway) structures.

This provides uninterrupted service during storm events and power outages to prevent damages to STA infrastructure and surrounding properties. The scope at each structure site includes new precast concrete building with generator room, 45 kW generator, 500-gallon underground liquid propane tank, protection measures around structures, new electrical service connections, and automatic transfer switch.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 17, 2024.

Additional Item Background:

Core Mission and Strategic Priorities:

The STA 1W Expansion #1 Outflow Structures Backup Generator Project supports the core missions of water quality, water supply, flood control, and ecosystem restorations.

Funding Source:

STA 1W Expansion #1 Outflow Structures Backup Generator project will be funded through dedicated funds (State Appropriations) and Ad Valorem funds.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

[Resolution No. 2024-0708](#)

Backup Presentation

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 553-day contract with Douglas N. Higgins, Inc., the lowest responsive and responsible bidder, for the STA 1W Expansion #1 Outflow Structures Backup Generator critical flood control infrastructure Project, in the amount of \$2,917,000, for which \$125,000 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years' budgets, providing an effective date. (Contract No. 4600005024)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a 553-day contract with Douglas N. Higgins, Inc., the lowest responsive an responsible bidder, for the STA 1W Expansion # 1 Outflow Structures Backup Generator Project, in the amount of \$2,917,000.

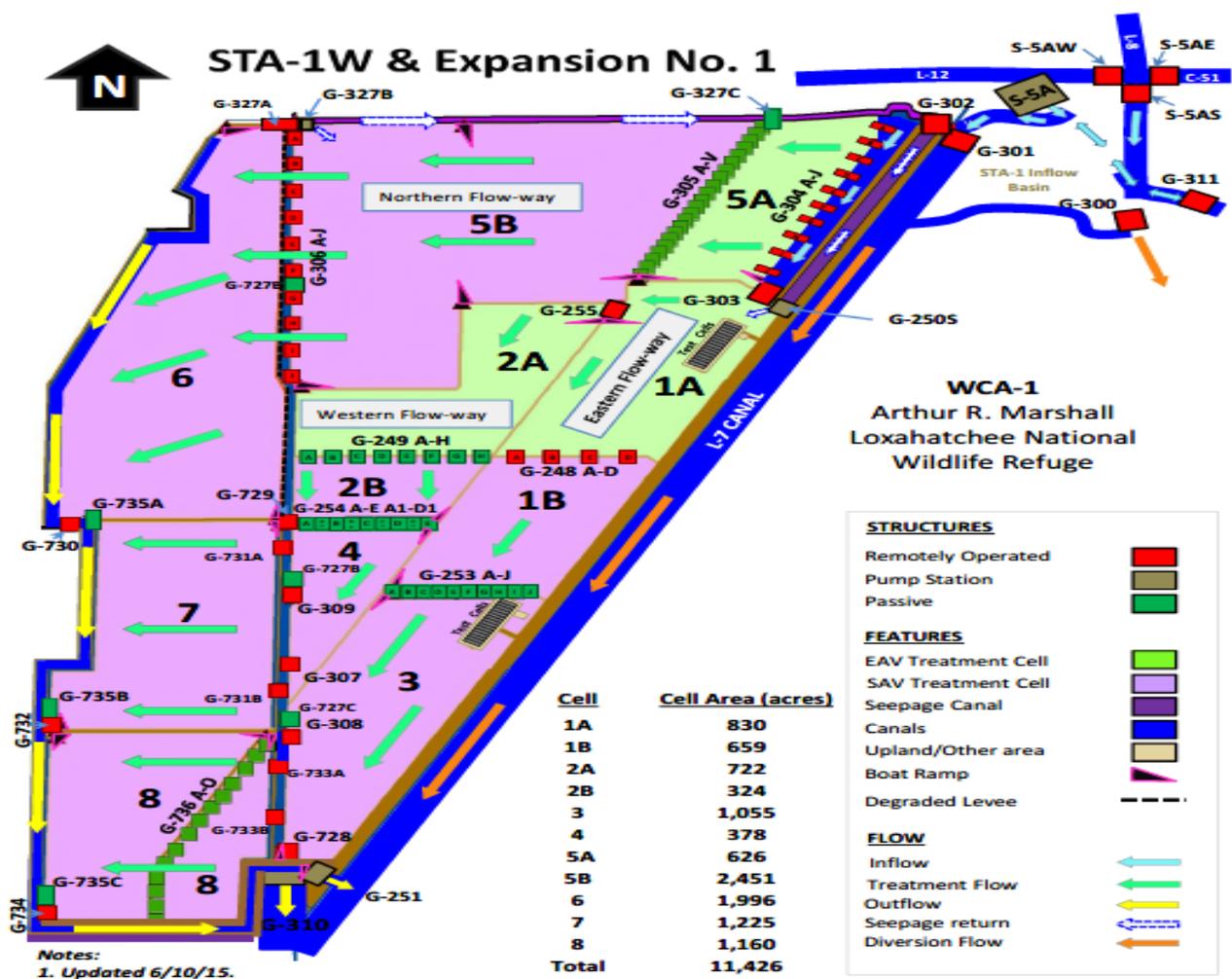
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a 553-day contract with Douglas N. Higgins, Inc., the lowest responsive an responsible bidder, for the STA 1W Exp # 1 Outflow Structures Backup Generator Project, in the amount of \$2,917,000, for which \$125,000 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2023-2024 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005024)

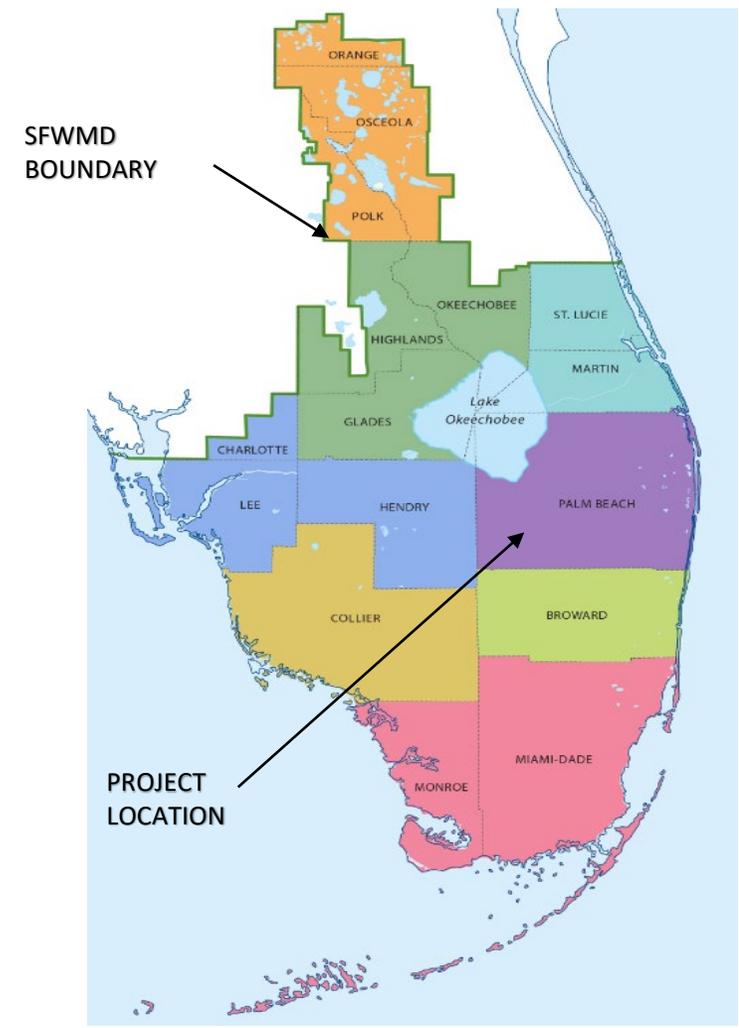
Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** this 11th day of July, 2024.

Location Map



Notes:
 1. Updated 6/10/15.
 2. Drawing Not to Scale.
 3. Cell Areas calculated using digitized levee centerlines and do not include inflow canals.
 4. Cell areas include utility easements and test cells located in Cells 1A, 1B, and 3.



Background

- STA 1W Expansion 1 was completed in September 2020 as part of Restoration Strategies.
- Following completion of the project, an evaluation was done that determined a need for permanent backup generators and related features for the four (4) outflow structures (G-728; G-730; G-732 & G-734).
- The capability of moving a large portable generator to each of these structures when necessary is not efficient for the outflow (spillway) structures.
- This will benefit the District by not placing personnel and portable equipment in harm's way during an event.

Scope

➤ This project has the following main elements:

1. Four (4) 12'-0" x 10'-8" precast concrete generator buildings with generator room;
2. Four (4) 45 kW Generator, each with 500-gallon underground liquid propane (LP) tanks;
3. Protection measures around each building and fuel tank;
4. New electrical service connection to the new controls and generator building, including new automatic transfer switches (ATS)

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: July 11, 2024

SUBJECT: West Palm Beach Field Station Area L-15 Canal - Project Culvert Replacements, Critical Flood Control Infrastructure Project, Palm Beach County

Agenda Item Background:

As part of the Operations and Maintenance Critical Flood Control Infrastructure Capital Program, the West Palm Beach (WPB) Field Station (FS) Area L-15 Canal - Project Culvert (PC) Replacements Project, located in Palm Beach County, will replace four PCs, refurbish one PC and remove one PC. These PCs were constructed in the 1960s in a levee system by the USACE and are 6 of 621 such PCs maintained by the District. The PCs are critical infrastructure providing critical flood control and agricultural irrigation and drainage.

PC09, PC10, PC11, and PC12 include replacement of the existing steel culverts with new aluminum culvert pipes and risers with flashboards, and the levee will be relocated to align with the widened sections of the L-15. Bays will be provided for the risers so that risers are not within the Hillsboro Canal's flow path. PC02 includes a new Cured-In-Place-Pipe lining to refurbish the existing pipe and a new riser with flashboards. PC04 includes full removal of the entire structure and reconstruction of the levee section because the STA-1E Expansion #2 project rendered the PC location obsolete.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on June 20, 2024.

Additional Item Background:

Core Mission and Strategic Priorities:

WPB FS Area L-15 Canal - PC Replacements Project supports the District's core missions of flood control and water supply.

Funding Source:

WPB FS Area L-15 Canal - PC Replacements Project will be funded through dedicated funds (State Appropriations) and Ad Valorem funds.

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

Resolution No. 2024-0709

Backup Presentation

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 615-day contract with Dickerson Infrastructure, Inc. DBA Dickerson Florida, Inc., the lowest responsive and responsible bidder, for the West Palm Beach (WPB) Field Station (FS) Area L-15 Canal - Project Culvert (PC) Replacements critical flood control infrastructure Project, in the amount of \$10,039,925, for which dedicated funds (State Appropriations) and Ad Valorem funds in the amount of \$300,000 are budgeted in Fiscal Year 2023-2024, and the remainder is subject to Governing Board approval of future years' budgets, providing an effective date. (Contract No. 4600005033)

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 Dickerson Infrastructure, Inc. DBA Dickerson Florida, Inc., the lowest responsive and responsible bidder, for the WPB FS Area L-15 Canal - Project Culvert Replacements Project, in the amount of \$10,039,925.

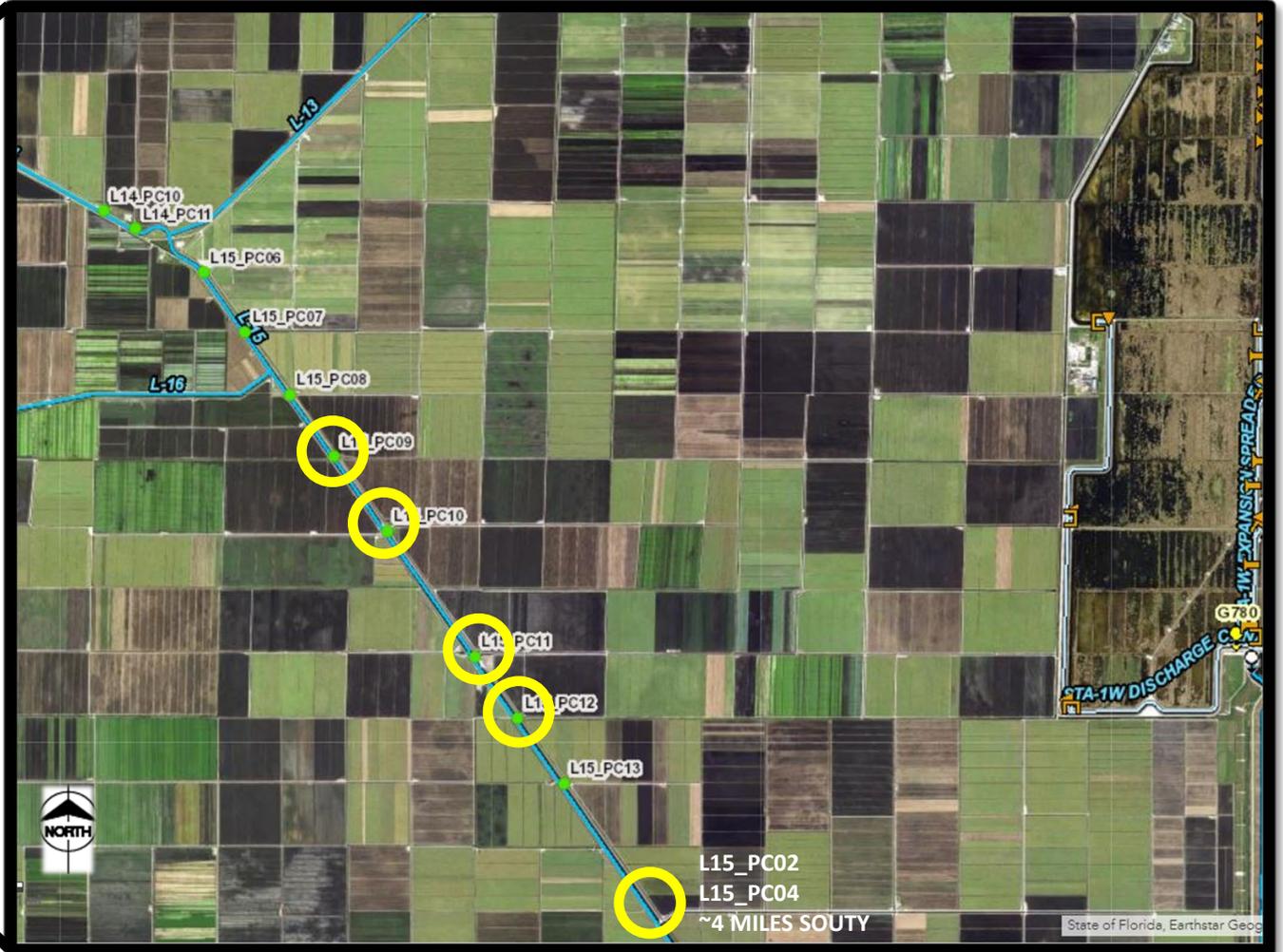
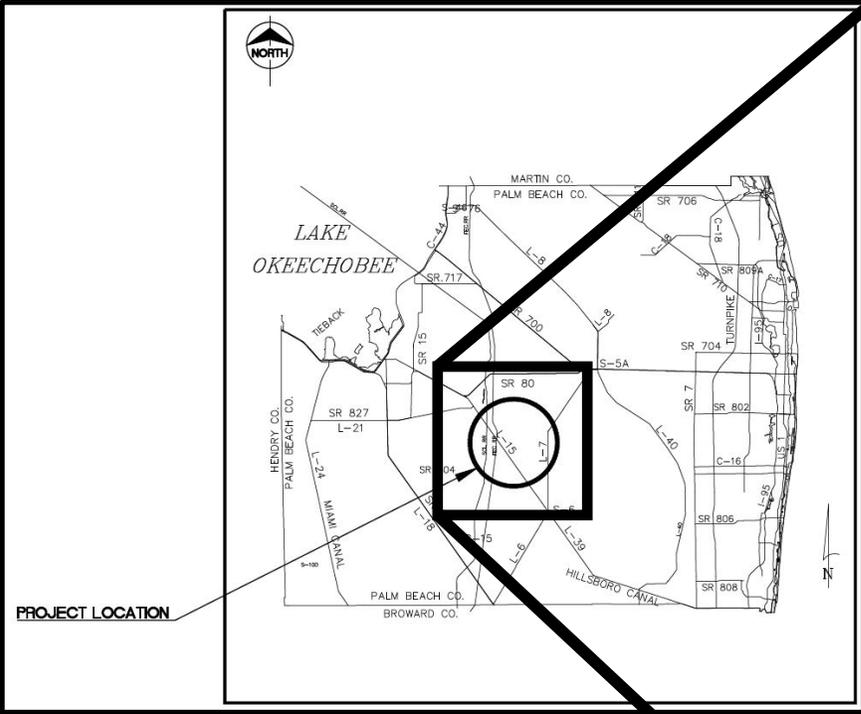
NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a 615-day contract with Dickerson Infrastructure, Inc. DBA Dickerson Florida Inc., the lowest responsive and responsible bidder, for the WPB FS Area L-15 Canal – Project Culvert Replacements Project, in the amount of \$10,039,925, for which dedicated funds (State Appropriations) and Ad Valorem funds in the amount of \$300,000 are budgeted in Fiscal Year 2023-2024, and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600005033)

Section2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 11th day of July, 2024.

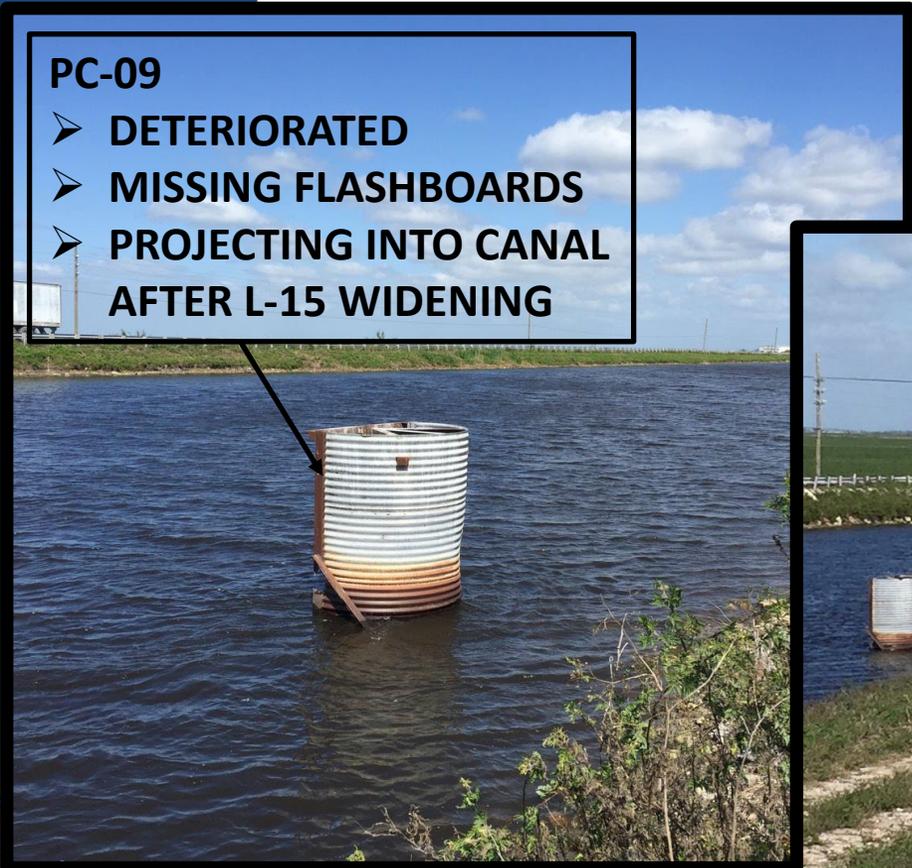
Location Map



Background

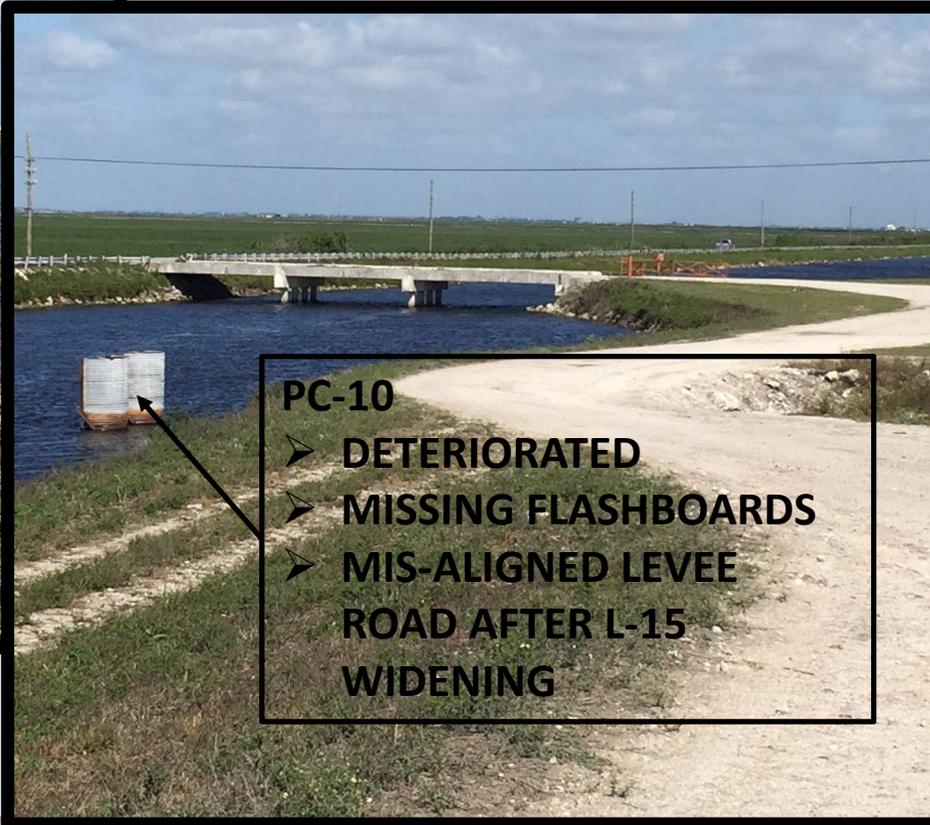
PC-09

- DETERIORATED
- MISSING FLASHBOARDS
- PROJECTING INTO CANAL AFTER L-15 WIDENING



PC-10

- DETERIORATED
- MISSING FLASHBOARDS
- MIS-ALIGNED LEVEL ROAD AFTER L-15 WIDENING



- Part of the C&SF Project
- Constructed in the 1960s by the USACE and are 6 of 621 such PCs maintained by the District.
- Existing steel culvert pipes and risers have reached their end of service life.
- PCs provide flood control and agricultural irrigation and drainage.

Background

PC-11

- DETERIORATED
- MISSING FLASHBOARDS



PC-12

- DETERIORATED
- MISSING FLASHBOARDS
- MIS-ALIGNED LEVEE ROAD AFTER L-15 WIDENING



Scope

- PC09, PC10, PC11, and PC12:
 - Replace with aluminum culvert pipes and risers and flashboards.
 - Levee will be relocated to align with the widened sections.
 - Bays will be provided for the risers so that risers are not within the canal flow path.
- PC02:
 - Provide a new Cured-In-Place-Pipe (CIPP) lining will refurbish the existing pipe and a new riser will be added
- PC04:
 - Remove the entire structure and reconstruct the levee section
 - STA-1E Expn #2 project rendered the PC location obsolete

MEMORANDUM

TO: Governing Board Members

FROM: Jennifer Smith, Chief of Staff

DATE: July 11, 2024

SUBJECT: Contract Renewal, CIGNA Health Care Administrative Services

Agenda Item Background:

The District has had an active contract with CIGNA Life and Health Insurance Company (CIGNA) to administer the District's self-funded group health care plans - specifically medical, dental, and vision coverage for District employees, retirees, and their eligible dependents since January 1, 2010. The current contract expiration date is December 31, 2024.

The contract with CIGNA provides a multitude of services required to maintain a successful self-funded health plan such as claims processing, plan design, access to CIGNA's network of health care providers; deeply discounted health care provider/facility rates; pharmacy rebates; stop-loss coverage; employee assistance programs, and wellness allowances.

The value of CIGNA's negotiated discounts has been independently validated and its breadth of provider networks ranks it as among the most cost effective and accessible. CIGNA has agreed to continue its existing administrative and access fees unchanged for the next five years, effective January 1, 2025, through December 31, 2029.

Additional Item Background:

Core Mission and Strategic Priorities:

The District's compensation and benefits package allows the District to remain competitive in the South Florida and national marketplace. The provision of high-quality, cost effective and competitive employee medical, dental, vision, employee assistance and wellness programs allow the District to achieve one of its major strategic priorities of "recruiting and retaining developing a high-quality, diverse workforce." The Administrative Services Division and Human Resources Bureau are responsible for implementing the District's health and wellness programs.

Funding Source:

Funding associated with this item is provided through a combination of sources such as employee and retiree contributions as well as District ad valorem sources.

Staff Contact and/or Presenter:

Jennifer Smith, jsmith@sfwmd.gov, 561-682-6285

ATTACHMENTS:

[Resolution No. 2024-0710](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize the renewal of administrative services only (ASO) contract with stop-loss coverage with CIGNA Life and Health Insurance Company, for a five-year period with five 1-year renewals, beginning January 1, 2025; providing an effective date. (Contract No. 4600001886-A02)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize the renewal of administrative services only (ASO) contract with stop-loss coverage with CIGNA Life and Health Insurance Company, for a five-year period with five 1-year renewals, beginning January 1, 2025. (Contract No. 4600001886-A02)

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 the renewal of administrative services only (ASO) contract with stop-loss coverage with CIGNA Life and Health Insurance Company, for a five-year period with five 1-year renewals, beginning January 1, 2025. (Contract No. 4600001886-A02)

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

PASSED and ADOPTED this 11th day of July, 2024.

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

Chauncey P. Goss, II
Chairman

Attest:

Legal form approved:
By:

District Clerk/Secretary

Office of Counsel

Print name:

M E M O R A N D U M

TO: Governing Board Members

FROM: Candida Heater, Administrative Services, Budget Bureau

DATE: July 11, 2024

SUBJECT: Fiscal Year 2024-2025 Proposed Tentative Budget and Submission of Proposed Millage Rates

Agenda Item Background:

Pursuant to Section 373.536, Florida Statutes, the District shall, on or before July 15 of each year, submit for consideration by the Governing Board a tentative budget.

Pursuant to Section 200.065, Florida Statutes, the District shall, on or before August 4 of each year, advise each county property appraiser within the boundaries of the District of its proposed millage rates for inclusion in the notice of proposed property taxes. The millage rates that are being proposed for Fiscal Year 2024-2025 are the same rates as last year's rates and are not an increase. With these proposed rates, the Fiscal Year 2024-2025 will be the twenty-seventh year that the District has not increased its millage rates. The Fiscal Year 2024-2025 proposed millage rates remain the lowest rates since Fiscal Year 1978-1979.

Additional Item Background:

Authorization to submit the Fiscal Year 2024-2025 proposed millage rates for TRIM (truth in millage) purposes by the Governing Board is a key milestone within the annual budget development cycle for statutory compliance.

Below are the Fiscal Year 2024-2025 proposed millage rates, which are not increased from last year's rates, to advise each county property appraiser within the boundaries of the District for inclusion in the notice of proposed property taxes:

District-at-Large	0.0948
Okeechobee Basin	0.1026
Everglades Construction Project	0.0327
Okeechobee Basin Total Millage Rate	0.2301

District-at-Large	0.0948
Big Cypress Basin	0.0978
Big Cypress Basin Total Millage Rate	0.1926

For illustration purposes, based on the proposed millage rates, a homeowner residing within the Okeechobee Basin (all counties except Collier and northwest Monroe) with a home assessed at \$350,000 less a \$50,000 homestead exemption will pay \$69.03 in property taxes to the District this upcoming fiscal year. A comparable homeowner in the Big Cypress Basin will pay \$57.78 in property taxes.

The county property appraisers will be notified of these rates for inclusion in the notice of proposed property taxes which is sent to each property owner by the Property Appraiser in each county within District boundaries.

Core Mission and Strategic Priorities:

Certification of the proposed millage rates to county property appraisers for TRIM purposes is statutorily required under Chapter 200, Florida Statutes.

Staff Contact and/or Presenter:

Candida Heater, cheater@sfwmd.gov, 561-682-6486
Julie Maytok, jmaytok@sfwmd.gov, 561-682-6027

ATTACHMENTS:

[Resolution No. 2024-0711](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to consider the Fiscal Year 2024-2025 proposed tentative budget update and authorize submittal of the Fiscal Year 2024-2025 proposed millage rates to county property appraisers for inclusion in the notice of proposed property taxes; providing an effective date.

WHEREAS, Section 373.536, Florida Statutes, provides that on, or before, July 15 of each year, the Governing Board of the District shall receive for consideration a tentative budget; and

WHEREAS, Section 200.065, Florida Statutes, provides that the property appraiser shall certify to each taxing authority the taxable value within the jurisdiction of the taxing authority; and

WHEREAS, Section 200.065, Florida Statutes, provides that within 35 days from July 1, typically by August 4 of each year, each taxing authority shall advise each county property appraiser of its fiscal year proposed millage rates; and

WHEREAS, Section 193.023, Florida Statutes, provides that a county property appraiser may request and receive an approved extension for good cause shown or be required to recertify values beyond the initial July 1 statutory deadline, taxing authorities shall calculate or recalculate the millage rates contingent upon receipt of all certified or recertified values; and

WHEREAS, The millage rates that are being proposed for Fiscal Year 2024-2025 are the same rates as last year's rates and are not an increase; and

WHEREAS, With these proposed rates, the Fiscal Year 2024-2025 will be the twenty-seventh year that the District has not increased its millage rates; and

WHEREAS, The Fiscal Year 2024-2025 proposed millage rates remain the lowest rates since Fiscal Year 1978-1979.

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

Section 1. Pursuant to Section 373.536, Florida Statutes, the Fiscal Year 2024-2025 proposed tentative budget shall be received by the Governing Board on or before July 15.

Section 2. Pursuant to Section 200.065, Florida Statutes, the millage rates for the District are to be calculated based on the certification of taxable values

Resolution No. 2024 - XXXX

from all 16 county property appraisers within the District boundaries.

Section 3. The Governing Board of the South Florida Water Management District hereby authorizes submission of the Fiscal Year 2024-2025 proposed millage rates to the property appraisers for inclusion in the notice of proposed property taxes.

Section 4. The Governing Board of the South Florida Water Management District hereby authorizes submission of the delayed or recalculated millage rates as the Fiscal Year 2024-2025 proposed millage rates to the county property appraisers for inclusion in the notice of proposed property taxes when a county property appraiser recertifies values to the District beyond the initial July 1 statutory deadline.

Section 5. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** this 11th day of July, 2024.

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

Chauncey P. Goss, II
Chairman

Attest:

Legal form approved:
By:

District Clerk/Secretary

Office of Counsel

Print name:

MEMORANDUM

TO: Governing Board Members

FROM: Jennifer Smith and Maricruz R. Fincher, Executive Office

DATE: July 11, 2024

SUBJECT: Governing Board Concurrence on Emergency Order, No. 2024-030-DAO and Order Rescinding Emergency Final Order, No. 2024-039-DAO

Agenda Item Background:

Pursuant to Rule 40E-7.537(29), F.A.C., building fires on District lands is limited to grills, fireplaces, and fire rings provided by the District or other authorized management agencies, and portable campstoves and grills provided by users. On May 31, 2024, the Executive Director issued Emergency Final Order, No. 2024-030-DAO (Order), based upon a finding that a serious threat to District lands in Charlotte, Collier, Glades, Hendry, Highlands, and Polk Counties existed due to dry windy weather conditions and imminent danger of wildfires. The Order prohibits building fires in fireplaces or fire rings provided by the District or other authorized management agencies, and limits the use of portable campstoves and grills provided by users, the District, or other authorized management agencies to cooking purposes only. On June 21, 2024, the Executive Director issued the Order Rescinding Emergency Final Order, No. 2024-039-DAO, due to improved conditions.

This item requests the Governing Board's concurrence with issuance of Emergency Final Order, No. 2024-030-DAO and Order Rescinding Emergency Final Order, No. 2024-039-DAO in compliance with section 373.119(2) of the Florida Statutes.

Staff Contact and/or Presenter:

Jennifer Smith, jsmith@sfwmd.gov, 561-682- 6285
Maricruz R. Fincher, mfincher@sfwmd.gov, 561-682-6457

ATTACHMENTS:

[2024-030-DAO Emergency Final Order](#)

[2024-039-DAO Order Rescinding Emergency Final Order](#)

4:18 pm May 31, 2024

STATE OF FLORIDA
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

SOUTH FLORIDA
WATER MANAGEMENT DISTRICT

AMB

In re: **SFWMD ORDER NO. 2024-030-DAO**

EMERGENCY AUTHORIZATION FOR
TEMPORARY BURN BAN ON DISTRICT
LANDS IN CHARLOTTE, COLLIER,
GLADES, HENDRY, HIGHLANDS, AND POLK
COUNTIES DUE TO DRY WEATHER CONDITIONS
AND IMMINENT DANGER OF WILDFIRES

_____ /

EMERGENCY FINAL ORDER

The Executive Director of the South Florida Water Management District ("SFWMD") enters this Emergency Final Order ("Order"), under sections 120.569(2)(n), 373.016, 373.119(2), and 373.1391, Florida Statutes ("Fla. Stat."), in response to the imminent danger of wildfires due to dry weather conditions and the resulting threat to the public health, safety, and welfare of the citizens of the subject counties, to natural resources, and to recreational use of SFWMD Lands.¹

FINDINGS OF FACT

1. South Florida is experiencing extremely dry conditions and the current weather outlook calls for the threat of fire to remain high in south Florida through the end of fire season.
2. The danger of wildfires will increase dramatically if dry conditions persist.

¹ "SFWMD Lands" shall mean any real property in which the District has an interest and is limited to Management Areas, Stormwater Treatment Areas, Impoundment Areas, Right of Way, and vacant undesignated lands. Fla. Admin. Code r. 40E-7.521(6).

3. The Boards of County Commissioners for Charlotte, Collier, Glades, Hendry, Highlands, and Polk counties, which are within the SFWMD's jurisdiction, have established burn bans in their respective counties.

4. The building or maintaining of fires for recreational purposes on SFWMD Lands open to the public, as provided for under Rule 40E-7.537(9), Florida Administrative Code ("F.A.C."), could result in additional wildfires.

5. Immediate action is necessary to prevent or ameliorate dangers to the public health, safety and welfare, to natural resources, and to recreational use of the SFWMD Lands posed by the increased risk of wildfires during the current dry weather conditions.

ULTIMATE FACTS AND CONCLUSIONS OF LAW

6. The Executive Director of the SFWMD is authorized to issue emergency orders with concurrence of the Governing Board by sections 120.569(2)(n) and 373.119(2), Fla. Stat., and to immediately employ any remedial means necessary to meet the emergency when immediate action is necessary to protect public health, safety, or welfare.

7. Based on the findings recited in this Order and pursuant to section 373.119(2), Fla. Stat., it is hereby concluded that the current dry conditions and increased risk of wildfires threatens the public health, safety and welfare, natural resources, and recreational use of the SFWMD Lands located in the subject counties.

ORDER

Based upon the above Findings of Fact, Ultimate Facts and Conclusions of Law, the Executive Director orders that:

8. Building or maintaining fires on SFWMD Lands, as provided for in Rule 40E-7.537(9), F.A.C., located in Charlotte, Collier, Glades, Hendry, Highlands, and Polk Counties, is hereby prohibited until this Order is rescinded.

9. Using portable camp stoves and grills on SFWMD lands as provided for in Rule 40E-7.537(9), F.A.C., is permitted for cooking purposes only.

10. Failure to comply with the terms of this Order shall constitute a violation of a SFWMD Final Order under Chapter 373, Fla. Stat., and enforcement proceedings may be brought in any appropriate administrative or other applicable court.

11. This Order shall take effect immediately upon execution by the Executive Director of the SFWMD and shall remain in effect until rescinded by the Executive Director or the Governing Board of the SFWMD.

DONE AND SO ORDERED in West Palm Beach, Florida, on this 31st day of May, 2024.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT
By its Executive Director



DREW BARTLETT
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68, Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the SFWMD at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the SFWMD.

3:27 pm Jun 21, 2024

STATE OF FLORIDA
SOUTH FLORIDA WATER MANAGEMENT DISTRICT SOUTH FLORIDA
WATER MANAGEMENT DISTRICT

AMB

In re: SFWMD ORDER NO. 2024-039-DAO

RESCISSION OF EMERGENCY
AUTHORIZATION FOR TEMPORARY BURN
BAN ON DISTRICT LANDS SUBJECT TO
CHAPTER 40E-7, Part V, F.A.C., DUE TO DRY
WINDY CONDITIONS AND IMMINENT
DANGER OF WILDFIRES.

_____ /

ORDER RESCINDING EMERGENCY FINAL ORDER

The South Florida Water Management District (“SFWMD”) enters this Order rescinding SFWMD Order No. 2024-030-DAO (“Emergency Final Order”) under sections 120.569(2)(n), 373.016, 373.119(2), 373.1391, Florida Statutes (“Fla. Stat.”). The Emergency Final Order implemented a burn ban on SFWMD Lands to address an imminent danger of wildfires and concern for the threat to the public health, safety, and welfare of the citizens of the State of Florida, natural resources, and recreational use of SFWMD Lands in certain affected counties.¹

FINDINGS OF FACT

1. On May 31, 2024, SFWMD issued SFWMD Order No. 2024-030-DAO prohibiting the building or maintaining of fires on SFWMD Lands in Charlotte, Collier, Glades, Hendry, Highlands, and Polk counties.
2. Conditions affecting the SFWMD Lands in Charlotte, Collier, Glades,

¹ “SFWMD Lands” shall mean any real property in which the District has an interest and is limited to Management Areas, Stormwater Treatment Areas, Impoundment Areas, Right of Way, and vacant undesignated lands. Fla. Admin. Code r. 40E-7.521(6).

Hendry, Highlands, and Polk counties have improved such that a serious risk of wildfires threatening the public health, safety, and welfare no longer exists.

CONCLUSIONS OF LAW

3. Pursuant to Rule 40E-7.523 and 40E-7.537(9), Florida Administrative Code, and sections 120.569(2)(n) and 373.119(2), Fla. Stat., the Executive Director of the SFWMD, with the Governing Board’s concurrence, is authorized to require actions be taken, such as temporarily banning the building or maintaining of fires on SFWMD Lands, “[w]hen necessary during emergency conditions such as floods, severe weather events, or wildfire for public safety and the protection of natural resources.”

4. Because conditions have improved, the Executive Director may rescind SFWMD Order No. 2024-030-DAO as it is no longer necessary to protect the public health, safety, and welfare.

ORDER

THEREFORE IT IS ORDERED that:

- 5. SFWMD Order No. 2024-030-DAO is rescinded.
- 6. This Order is effective immediately upon execution.

DONE AND SO ORDERED in West Palm Beach, Florida, on this 21st day of June, 2024.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT
By its Executive Director



DREW BARTLETT
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68, Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the SFWMD at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the SFWMD.

MEMORANDUM

TO: Governing Board Members

FROM: Jennifer Smith and Maricruz R. Fincher, Executive Office

DATE: July 11, 2024

SUBJECT: Governing Board Concurrence on Emergency Final Order Nos: 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO, and Order Rescinding Emergency Final Orders, No. 2024-040-DAO

Agenda Item Background:

In response to flooding caused by record breaking rainfall in Broward, Collier, Lee, and Miami-Dade counties, the District issued Emergency Final Order Nos: 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO on June 13, 2024. These Orders enabled the District to perform public work and take prudent action to ensure the public's health, safety, and welfare in the wake of severe flooding. On July 2, 2024, the District issued the Order Rescinding Emergency Final Orders, No. 2024-040-DAO, due to improved conditions. Staff requests the Governing Board's concurrence with the issuance of the Emergency Final Orders and Order Rescinding Emergency Final Orders, 2024-040-DAO, in compliance with section 373.119(2) of the Florida Statutes.

Emergency Final Orders:

- SFWMD 2024-034-DAO Emergency Authorization for Repairs, Replacement, Restoration, and certain other measures made necessary by Invest 90L
- SFWMD 2024-035-DAO Emergency Authorization for Pumping and other measures to address flooding caused by Invest 90L
- SFWMD 2024-036-DAO Emergency Authorization Abrogating Time Requirements, Notice Requirements and Deadlines for action on permits and other approvals made necessary by Invest 90L
- SFWMD 2024-037-DAO Emergency Authorization for Procurement of Goods and Services Made Necessary by Invest 90L

Order Rescinding Emergency Final Orders:

- SFWMD 2024-040-DAO Order Rescinding Emergency Final Orders Issued to Address Flooding Caused by Invest 90L

Staff Contact and/or Presenter:

Jennifer Smith, jsmith@sfwmd.gov, 561-682- 6285
Maricruz R. Fincher, mfincher@sfwmd.gov, 561-682-6457

ATTACHMENTS:

[2024-034-DAO Emergency Final Order](#)

[2024-035-DAO Emergency Final Order](#)

2024-036-DAO Emergency Final Order

2024-037-DAO Emergency Final Order

2024-040-DAO Order Rescinding Emergency Final Orders

11:00 am Jun 13, 2024

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 Gun Club Road
West Palm Beach, Florida

SOUTH FLORIDA
WATER MANAGEMENT DISTRICT *W.S.*

IN THE MATTER OF:

SFWMD ORDER NO. 2024-034-DAO

EMERGENCY AUTHORIZATION
FOR REPAIRS, REPLACEMENT,
RESTORATION, AND CERTAIN
OTHER MEASURES MADE
NECESSARY BY INVEST 90L

EMERGENCY FINAL ORDER

Under the authority of State of Florida Executive Order No. 24-115, incorporated herein by reference, and sections 120.569(2)(n), 252.46, 373.119(2), and 373.439, Florida Statutes, the South Florida Water Management District ("District"), enters this Order authorizing repairs, replacement, restoration, and other emergency measures to address impacts associated with Invest 90L ("the Storm").

FINDINGS OF FACT

1. On June 12, 2024, the Governor of Florida issued Executive 24-115 ("the Executive Order"), declaring a state of emergency based upon the serious threat to the public health, safety, and welfare posed by the Storm. The Governor included the following areas in the Executive Order that are within the District's jurisdiction: Broward, Collier, Lee, and Miami-Dade counties ("the Emergency Areas").

2. The Storm has the potential to cause widespread flooding and poses an immediate danger to the lives and property of persons throughout the Emergency Areas.

3. The Executive Order found that the special duties and responsibilities of some agencies in responding to disasters may require them to deviate from the statutes and rules

they administer. Moreover, the Executive Order permits an agency, including the District, to suspend the provisions of any regulatory statute prescribing the procedures for conducting state business, or the orders or rules of the agency, if strict compliance with the provisions of any such statute, order, or rule would in any way prevent, hinder, or delay necessary action in coping with the Storm.

4. Should a conflict exist between this Order and any similar order issued by the Florida Department of Environmental Protection (“the Department”), then the Department’s Order shall control.

5. As a result of the Storm, immediate action by Florida's citizens and government may be necessary to repair, replace, and restore structures, equipment, surface water management systems, works, and operations damaged by the Storm.

6. The SFWMD finds that the actions authorized under this Order are narrowly tailored to address the immediate need for action and are procedurally fair under the circumstances.

ULTIMATE FACTS AND CONCLUSIONS OF LAW

7. The Executive Director of the District is authorized to issue emergency orders with concurrence of the Governing Board under sections 120.569(2)(n) and 373.119(2), Florida Statutes, and to immediately employ any remedial means necessary to meet the emergency when immediate action is necessary to protect public health, safety, or welfare.

8. The District issues this Order to carry out the directives in the Executive Order.

9. Based on the above findings of fact, and in order to protect the public’s immediate health, safety, and welfare, and not prevent, hinder, or delay necessary action in

coping with the emergency, it is both reasonable and appropriate to suspend the statutes and rules described herein.

ORDER

THEREFORE, IT IS ORDERED that within the Emergency Areas, the following authorizations apply:

1. *Definitions*

a. For the purposes of this Order, the term “structures” includes the following when such structures are within the District’s jurisdiction: utility infrastructure, including wastewater treatment plants, substations, lift stations, solid and hazardous waste facilities, utility lines (including transmission and distribution), poles, towers, support structures, cables, conduits, outfalls, intake structures, and pipelines; roads, bridges, culverts, driveways, sidewalks, bike paths, and other similar public and private infrastructure; public, private, and commercial habitable and non-habitable buildings, and structures ancillary to these buildings, such as garages, cabanas, storage sheds, bath houses, pools, and decks; piers (including docks, boardwalks, observation platforms, boat houses, and gazebos), and pilings; shore-stabilization structures, such as seawalls, bulkheads, revetments, breakwaters, and groins; and fences, signs and billboards; and buoys, navigational aids, and other channel markers.

b. For the purposes of this Order, the term “works” includes ditches, canals, drainage systems, ponds, swales, and other surface water conveyances; wet or dry detention or retention areas, dams, weirs, dikes, and levees; and underdrains, outfalls, and associated water control structures.

2. *Environmental Resource, Dredge and Fill, District Right of Way Occupancy, and Other Surface Water Management Activities, and Coastal Construction Activities*

The following activities may be undertaken to repair, restore, or replace structures, land, works, and submerged contours to the configurations and conditions authorized or otherwise legally existing immediately prior to the Storm, subject to the limitations in this Order. This Order does not authorize the construction of structures that did not exist prior to the Storm, unless specifically authorized below.

Any damage to authorized structures or works may be repaired to the design that was originally authorized by the District. Minor deviations to upgrade structures or drainage systems to current standards also are authorized.

a. *No Notice Required*

The following activities may be conducted without notification to the District and must be commenced before the expiration of this Order or any of its Amendments:

(1) Temporary and permanent repair or restoration of structures and works to the conditions, dimensions, and configurations that were authorized by the District or otherwise legally existing immediately prior to the Storm. The repair and restoration activities shall not result in any expansion, addition, or relocation of the existing works, structures, or systems. However, the use of different construction materials or minor deviations to allow upgrades to current structural and design standards are not precluded. Nothing in this paragraph shall be construed as an exemption for any party performing such repair or restoration to obtain after-the-fact permits or to modify the repair or restoration that was performed, as may be required by any federal agency.

(2) The restoration (regrading, dredging, or filling) by local, regional, and state governments of upland, wetland, works, and submerged land contours to the conditions and configurations that were authorized or otherwise legally existing immediately prior to the Storm, provided the restoration does not result in any expansion or addition of land or deepening of waters beyond that which existed immediately prior to the Storm, and subject to the following limits:

(a) The removal or deepening of plugs formerly separating canals from other waters is not authorized by this Order;

(b) In the case of dredging, all excavated material shall be deposited on a self-contained upland spoil site that is diked or otherwise sloped or designed to prevent any discharge into wetlands or other surface waters, except where such dredged material is used to restore bottom contours and shorelines, excluding sandy beaches fronting the Gulf of Mexico or the Atlantic Ocean, to the conditions existing immediately prior to the Storm. In addition, excavated material shall not be deposited in any location that would obstruct District operations and/or maintenance;

(c) In the case where upland or dredged material is placed in water to restore pre-existing conditions, only clean material (i.e., free from debris and pollutants) from the previous uplands may be used in the restoration, and no change (from pre-existing conditions) in the slope of the land or the type, nature, or configuration of any pre-existing shoreline stabilization materials is authorized. For example, sloping revetments cannot be replaced with vertical seawalls, and rock riprap cannot be replaced with interlocking blocks;

(d) Best management practices and devices such as hay bales, mulch, and floating turbidity screens shall be used to prevent violations of state water quality standards for turbidity during the performance of restoration activities in accordance with the guidelines and specifications in The Florida Stormwater, Erosion, and Sediment Control Inspector's Manual (DEP October 2018), <https://floridadep.gov/dear/florida-stormwater-erosion>, and the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (July 2013), <https://www.fdot.gov/programmanagement/implemented/urlinspecs/flerosionsedimentmanual.shtm>. Best management practices shall also be used to prevent erosion and retain sediment of all newly established or restored exposed shorelines during and after the restoration activities, which may include methods such as planting temporary and permanent vegetation and placing clean natural rock or concrete rubble riprap;

(e) Any fill that is deposited to restore a former shoreline, and any riprap that is used to stabilize a shoreline, must not be placed any farther waterward than the toe of the slope of the shoreline that legally existed immediately prior to the Storm. If the pre-Storm shoreline was stabilized with a functioning seawall or riprap, the seawall or riprap may be restored at its former location or within 18 inches (if, within an aquatic preserve, then one foot) waterward of the location where the seawall or riprap legally existed immediately prior to the Storm, as measured from the face of the existing seawall slab to the face of restored seawall slab or from the front slope of the existing riprap to the front slope of the restored riprap; and

(f) This shall not constitute authorization to fill submerged lands owned by the Board of Trustees of the Internal Improvement Trust Fund.

(3) Removal of debris, including sunken or grounded vessels, vegetation, and structural remains that have been deposited into waters, wetlands, or uplands by the Storm, if such removal will not result in filling of wetlands or other surface waters or dredging that creates or expands surface waters. All removed materials must be deposited on self-contained uplands and must be managed in accordance with other provisions of this Order.

b. Field Authorization Required

(1) District personnel may issue field authorizations for:

(a) the replacement of works or structures that are no longer intact;

(b) regrading, dredging, or filling of the contours of uplands, wetlands, works, and submerged bottoms, by parties other than local, regional, or state governments;

(c) removal of debris, including sunken or grounded vessels, vegetation, and structural remains, that has been deposited into waters, wetlands, or uplands by the Storm, and the removal of which requires filling of wetlands or other surface waters, or requires dredging that creates or expands wetlands or other surface waters. Any wetlands or other surface waters that are dredged or filled to affect such removal must be restored to the contours and conditions that existed immediately prior to the Storm; and

(d) other activities District personnel determines, in writing or verbally, to have the potential to result in only minimal adverse individual or cumulative

impact on water resources, water quality, and District's property interests, including rights of way.

(2) Field authorizations may be issued only to restore works, structures, and property to authorized or otherwise legally existing conditions that existed immediately prior to the Storm, or to a more environmentally compatible design than what existed immediately prior to the Storm, as determined by the District in writing or verbally.

(3) Field authorizations may be requested by providing a notice to the District's local office containing a description of the work requested, the location of the work, and the name, address, and telephone number of the owner or representative of the owner who may be contacted concerning the work. District staff may also issue field authorizations without prior notice. Field authorizations may include specific conditions for the construction, operation, and maintenance of the authorized activities. Failure to comply with the conditions of the field authorization may result in enforcement actions by the District. District staff shall create and maintain written records of all field authorizations.

(4) Other activities not described above shall be regulated in accordance with Part IV of chapter 373, Florida Statutes and the rules adopted thereunder.

3. *Rights-of-Way*

The following activities may be conducted without prior notice to the District:

a. All encroachments on District rights-of-way ("ROWs") authorized pursuant to chapter 40E-6, Florida Administrative Code, may be replaced or repaired as necessary if the replacement and restoration activities do not result in any expansion, addition, or relocation of the authorized encroachments and comply with the provisions set forth in Section 2 of this Order.

b. Local, federal, and state governments in emergency vehicles may use the District's ROWs for emergency access. Utility companies and local, state, and federal governments may access the ROWs to repair structures and to restore utilities during the term of this Order without any requirement for notice to the District.

c. Use of works upon the District's ROWs that are not authorized by the issuance of a Right-of-Way Occupancy Permit prior to the effective date of this Order shall be prohibited unless otherwise determined to be necessary as an emergency repair or restoration for the benefit of public health, safety and welfare by the Executive Director or his/her designee. In such case, the party proposing to perform the emergency repair or restoration ("Applicant") shall contact the District and request issuance of a field authorization so that the appropriate emergency actions can be performed. The Applicant shall be responsible for complying with all terms of the field authorization, including, but not limited to, securing an after-the-fact Right-of-Way Occupancy Permit, obtaining Section 408 authorization from the U.S. Army Corps of Engineers, modifying the emergency actions if required to do so by the District, federal, or other agency permits, and documenting the emergency actions performed.

d. This Order does not authorize placing trash or debris, including vegetation, on any District ROW.

e. In the event any such repair or restoration occurs on the District ROW pursuant to Section 2.a., documentation shall be provided upon completion to the District which includes the party that performed the work, the dates work was performed, the scope of work performed, and the materials and methods employed.

4. Authorization to Use Submerged Lands Owned by the State

Pursuant to chapters 253 and 258, Florida Statutes, and Rule 62-330.075, Florida Administrative Code, the District issues proprietary authorizations to use state-owned submerged lands when the activity permitted by the District occurs on land for which an environmental resource permit is issued by the District (“SLERP Authorization”).

a. Except as otherwise provided in this Order, authorization to use sovereign submerged lands is hereby granted for the repair, replacement, or restoration of the activities and structures located on submerged lands owned by the State when such activities have a previously issued SLERP Authorization. This authorization is subject to the provisions and limitations of Section 2, and is only granted for activities for which a SLERP Authorization was obtained prior to the Storm. The structures and activities authorized under this Order shall be repaired, restored, or replaced in the same location and configuration as was authorized in the SLERP Authorization.

b. This Order does not authorize the reconstruction or repair of unauthorized structures that failed to qualify for the grandfathering provisions of Chapter 18-21, Florida Administrative Code.

5. General Conditions

a. All activities conducted under this Order shall be performed using appropriate best management practices. For activities conducted in or discharging to wetlands or other surface waters, best management practices include properly installed and maintained erosion and turbidity control devices to prevent erosion and shoaling, to control turbidity, to prevent violations of state water quality standards, and to protect the

functions provided by wetlands and other surface waters to fish, wildlife, and listed species.

b. The authorizations in this Order shall not apply to structures and associated activities in the Emergency Areas that were not properly authorized by all applicable agencies before the passage of the Storm.

c. All activities shall be accomplished so as not to disturb marked marine turtle nests or known nest locations or damage existing native salt-tolerant or submerged vegetation.

d. This Order does not convey any property rights or any rights or privileges other than those specified in this Order.

e. This Order serves as relief for the duration of the Order from the regulatory and proprietary requirements of the District only and does not provide relief from the requirements of other federal, state, water management districts, and local agencies. This Order does not negate the need to obtain any other required permits or authorizations.

f. All structures that are rebuilt shall be rebuilt in accordance with all applicable local, state, and federal building standards and requirements of the Federal Emergency Management Act (FEMA).

g. It is recommended that, where possible, owners of property should maintain documentation (such as photos) of the condition of the structures or lands as they existed prior to initiating any activities authorized under this Order and should provide such documentation if requested to do so.

h. This Order does not provide relief from any of the requirements of chapter 471, Florida Statutes, regarding professional engineering.

6. General Limitations

The District issues this Order solely to address the emergency created by the Storm. This Order shall not be construed to authorize any activity within the jurisdiction of the District except in accordance with the express terms of this Order. Under no circumstances shall anything contained in this Order be construed to authorize the repair, replacement, or reconstruction of any type of unauthorized or illegal structure, habitable or otherwise.

7. Suspension of Statutes and Rules

Pursuant to the authorities in the Executive Order, the following provisions of statutes and rules are hereby suspended for the activities authorized by this Order for the duration of this Order:

a. All requirements for permits, leases, consent of uses or other authorizations, including, but not limited to, provisions in chapters 120, 161, 253, 258, 373, 376, and 403, Florida Statutes, and Rules adopted thereunder;

b. All notice requirements, including, but not limited to, notice provisions in chapters 120, 161, 253, and 373, Florida Statutes, and chapters 18-18, 18-20, 18-21, 40E-0, 40E-1, 40E-6, and 62-330, Florida Administrative Code; and

c. All application fee, lease fee, and easement fee requirements, including, but not limited to, provisions in chapters 161 and 373, Florida Statutes, and chapters 18-18, 18-20, 18-21, 40E-1, 40E-2, 40E-6, and 62-330, Florida Administrative Code, provided, however, that such lease and easement fees shall be suspended only in proportion to the percentage loss of functionality of the total area under lease or

easement, and only for the duration of this Order unless otherwise provided in a field authorization issued under Section 2. The duration of the suspension of lease and easement fees under a field authorization may be extended on a showing that contractors or supplies are not available to commence the necessary repairs or replacement, or if additional time is needed to obtain any required authorization from the U.S. Army Corps of Engineers.

8. *Completion of Authorized Activities*

All activities authorized under this Order must be commenced before the expiration of this Order unless otherwise provided in a field authorization or permit. The deadline for commencement under any field authorization or permit issued under this Order may be extended on a showing that contractors or supplies are not available to commence the work, or if additional time is needed to obtain any required authorization from the U.S. Army Corps of Engineers. Any Environmental Resource Permit, Surface Water Management Permit, Dredge and Fill Permit, and/or Right-of-Way Occupancy Permit activities that require a field authorization must be completed by the expiration date of the field authorization. Activities not completed by the expiration date of the field authorization are subject to the regulatory and proprietary authorizations required prior to the execution of this Order.

9. *Expiration Date*

This Order shall take effect immediately upon execution by the Executive Director of the District and shall expire on August 11, 2024, unless otherwise extended or terminated by the Executive Director or the Governing Board.

10. Violation of Conditions of Emergency Final Order

Failure to comply with any conditions set forth in this Order shall constitute a violation of a District Final Order under chapters 120, 161, 253, 258, 373, 376, and 403, Florida Statutes, and enforcement proceedings may be brought in any appropriate administrative or judicial forum.

DONE AND ORDERED on this 13th day of June 2024, in West Palm Beach, Florida.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT

By: 

Drew Bartlett
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68, Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the District at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the District.

10:48 am Jun 13, 2024

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 Gun Club Road
West Palm Beach, Florida

SOUTH FLORIDA
WATER MANAGEMENT DISTRICT *W.S.*

IN THE MATTER OF:

SFWMD ORDER NO. 2024-035-DAO

EMERGENCY AUTHORIZATION FOR
PUMPING AND OTHER MEASURES
TO ADDRESS FLOODING CAUSED
BY INVEST 90L

_____ /

EMERGENCY FINAL ORDER

Under the authority of the State of Florida Executive Order No. 24-115, incorporated herein by reference, and section 120.569(2)(n), Florida Statutes, the South Florida Water Management District ("District or SFWMD"), enters this Order authorizing pumping and other emergency measures to address impacts associated with Invest 90L ("the Storm").

FINDINGS OF FACT

1. On June 12, 2024, the Governor of Florida issued Executive Order 24-115 ("the Executive Order") declaring a state of emergency based upon the serious threat to the public health, safety, and welfare posed by the Storm. The Governor included the following areas in the Executive Order that are within the District's jurisdiction: Broward, Collier, Lee, and Miami-Dade counties ("the Emergency Areas").

2. The Storm has the potential to cause widespread flooding and poses an immediate danger to the lives and property of persons throughout the Emergency Areas.

3. The Executive Order found that the special duties and responsibilities of some agencies, including the District, in responding to disasters may require them to deviate from the statutes and rules they administer. Moreover, the Executive Order permits agencies,

including the District, to suspend the provisions of any regulatory statute prescribing the procedures for conducting state business, or the orders or rules of the agency, if strict compliance with the provisions of any such statute, order, or rule would, in any way, prevent, hinder, or delay necessary action in coping with the Storm and its effects.

4. The District finds that the actions authorized under this Order are narrowly tailored to address the immediate need for action and are procedurally fair under the circumstances.

ULTIMATE FACTS AND CONCLUSIONS OF LAW

5. The District issues this Order to carry out the directives in the Executive Order. Additionally, the District has authority to issue this Order under Sections 120.569(2)(n), 252.46, 373.119(2), and 373.439, Florida Statutes.

6. Based on the above findings of fact, and in order to protect the public's immediate health, safety, and welfare, and not prevent, hinder, or delay necessary action in coping with the Storm and its effects, it is both reasonable and appropriate that the suspension of statutes and rules described herein is required.

ORDER

THEREFORE, IT IS ORDERED that the following activities may be undertaken to address emergency flooding situations resulting from the Storm that require immediate action, subject to the limitations in this Order:

1. *On-Site Discharges – No Notice Required*

Internal movement of water from flooded areas within a project site to other areas within the same project site shall be allowed in the Emergency Areas during the course of this Order. No notice to the SFWMD is required. Examples of activities authorized by

this paragraph include moving water from internal roadways, parking lots, swales, or other on-site areas to on-site surface water management ponds or lakes, or other areas on-site that would not directly discharge off-site. This Order does not authorize pumping or discharging of flood waters to off-site property, canals, or water bodies not completely on-site other than through permitted facilities, subject to permit requirement.

2. Off-Site Discharges – Field Authorization Required

Moving water from flooded project areas to areas off-site may be temporarily allowed only if approved by the SFWMD after a field inspection. Field authorizations shall be granted only if:

a. The off-site discharge is necessary to relieve flooding resulting from the Storm that poses an immediate threat to public health, safety, or welfare. Minor inconvenience flooding, such as standing water in roads, swales or yards, is not considered an immediate threat.

b. Field authorizations may be requested by providing a notice to the local office of the SFWMD containing a description of the discharge requested, the facilities and the water stages, the rate of discharge and the discharge location of the flooded areas and receiving body, the location of the discharge, and the name, address, and telephone number of the owner or representative of the owner who may be contacted concerning the discharge. SFWMD staff may also issue field authorizations without prior notice. SFWMD staff shall create and maintain written records of all field authorizations.

3. Operational Changes by Local Governments or 298 Districts – Notice Required

Water Control Districts authorized under Chapter 298 of the Florida Statutes and local governments may, during the course of this Order, discharge water on-site or off-

site in excess of SFWMD-permitted operational schedules to prepare for the impacts of the Storm and to mitigate flooding impacts resulting from the Storm if:

a. Notice is provided to the SFWMD's Emergency Operations Center. The notice shall:

(1) identify a responsive and responsible representative of the water control district or local government, including title and emergency contact information; and

(2) describe the facilities and the water stages, rate of discharge, and the discharge location of the flooded areas and receiving body.

b. Authorization for the excess discharges is granted, either orally or in writing, by SFWMD staff assigned by the SFWMD Emergency Operations Center to this function.

Local governments or 298 Districts operating under the emergency provisions of this Order shall immediately cease the excess discharge upon notification by the SFWMD to do so.

4. General Conditions

All activities authorized under paragraphs 1, 2, and 3 shall be conducted in accordance with the following conditions and requirements:

a. All activities shall be performed in a manner which minimizes adverse water quality and water quantity impacts. This includes properly installed and maintained erosion and turbidity control devices to prevent erosion and shoaling and to control turbidity, nutrient loading, and sedimentation in off-site receiving waters.

b. Entities operating under this Order shall immediately correct any erosion, shoaling, or water quality problems that result from the activities authorized under this Order.

c. This Order does not convey any property rights or any rights or privileges other than those specified in this Order.

d. This Order serves as relief for the duration of the Order from the specified regulatory requirements of the SFWMD only, and does not provide relief from the requirements of other federal, state, water management districts, or local agencies. This Order therefore does not negate the need for the property owner to obtain any other required permits or authorizations, nor does it negate the need to comply with all the requirements of those permits.

5. *General Limitations*

The SFWMD issues this Order solely to address the emergency created by the Storm. This Order shall not be construed to authorize any activity within the jurisdiction of the SFWMD except in accordance with the express terms of this Order.

6. *Suspension of Statutes and Rules*

The following provisions of statutes and rules are hereby suspended for the activities authorized by this Order for the duration of this Order:

a. All requirements for permits, leases, consent of uses or other authorizations, including, but not limited to, provisions in chapters 120, 161, 253, 258, 373, 376 and 403, Florida Statutes, and Rules adopted thereunder; and

b. All notice requirements, including, but not limited to, provisions in chapters 120, 161, 253, and 373, Florida Statutes, and chapters 18-18, 18-20, 18-21, 40E-0, 40E-1, 40E-6, and 62-330, Florida Administrative Code.

7. Expiration Date

This Order shall take effect immediately upon execution by the Executive Director of the SFWMD, and shall expire on August 11, 2024, unless otherwise extended or terminated by the Executive Director or Governing Board.

8. Violation of Conditions of Emergency Final Order

Failure to comply with any condition set forth in this Order shall constitute a violation of chapters 120, 161, 253, 258, 373, 376, and 403, Florida Statutes, and enforcement proceedings may be brought in any appropriate administrative or other judicial forum.

DONE AND ORDERED on this 13th day of June, 2024, in West Palm Beach, Florida.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT

By: _____


Drew Bartlett
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68, Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the SFWMD at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the SFWMD.

10:51 am Jun 13, 2024

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 Gun Club Road
West Palm Beach, Florida

SOUTH FLORIDA
WATER MANAGEMENT DISTRICT *W.S.*

IN THE MATTER OF:

SFWMD ORDER NO. 2024-036-DAO

EMERGENCY AUTHORIZATION
ABROGATING TIME REQUIREMENTS,
NOTICE REQUIREMENTS AND
DEADLINES FOR ACTION ON
PERMITS AND OTHER APPROVALS
MADE NECESSARY BY INVEST 90L

EMERGENCY FINAL ORDER

Under the authority of the State of Florida Executive Order No. 24-115, incorporated herein by reference, and 120.569(2)(n), 252.46, 373.119(2), and 373.439, Florida Statutes, the South Florida Water Management District ("District"), enters this Order abrogating time requirements, notice requirements, and deadlines for actions on permit applications and other approvals due to the impacts and time constraints caused by Invest 90L ("the Storm").

FINDINGS OF FACT

1. On June 12, 2024, the Governor of Florida issued Executive Order 24-115 ("the Executive Order") declaring a state of emergency based upon the serious threat to the public health, safety, and welfare posed by the Storm. The Governor included the following areas in the Executive Order that are within the District's jurisdiction: Broward, Collier, Lee, and Miami-Dade counties ("the Emergency Areas").

2. The Storm has the potential to cause widespread flooding and poses an immediate danger to the lives and property of persons throughout the Emergency Areas.

3. The Executive Order found that the special duties and responsibilities of some agencies in responding to disasters may require them to deviate from the statutes and rules they administer. More specifically, the Executive Order gave all agencies of the state, including the District, the authority to abrogate the time requirements, notice requirements, and deadlines for final action on applications for permits and other approvals under any statute or rule that deems such applications approved unless disapproved in writing by specified deadlines.

4. Given the widespread potential impact of the Storm, District staff will spend extensive time addressing matters resulting from the Storm, including staffing emergency operations, performing field authorizations, and approving work necessary to address the Storm's impacts. Consequently, it is not feasible for District staff to effectively respond to all Storm-related impacts and simultaneously address all existing and new regulatory actions for projects not related to the Storm within the requisite timeframes under Florida law.

ULTIMATE FACTS AND CONCLUSIONS OF LAW

5. The Executive Director of the District is authorized to issue emergency orders with concurrence of the Governing Board by sections 120.569(2)(n) and 373.119(2), Florida Statutes, and to immediately employ any remedial means necessary to meet the emergency when immediate action is necessary to protect public health, safety, and welfare.

6. The District issues this Order to carry out the directives in the Executive Order.

7. The Executive Order permits an agency, such as the District, to suspend the provisions of any regulatory statute prescribing the procedures for conducting state business or the orders or rules of the agency, if strict compliance with the provisions of any such statute, order, or rule would in any way prevent, hinder, or delay necessary action in coping with the emergency. The Executive Order gave agencies the authority to take formal action by emergency rule or order to cope with the emergency.

8. Based on the above findings of fact, and in order to protect the public's immediate health, safety, and welfare, and not prevent, hinder, or delay necessary action in coping with the emergency, it is both reasonable and appropriate to suspend and toll time requirements, notice requirements, and deadlines for action on applications for permits and other approvals until August 11, 2024.

ORDER

THEREFORE, IT IS ORDERED that:

1. The time requirements, notice requirements, and deadlines for the District to act on applications for permits and other approvals are suspended and tolled.

2. Any deadlines specified in statutes, rules, agreements, or District orders, under which the District is required by law to take action within a specified time period, and under which failure by the District to timely take such action could result in any type of default binding on the District, including the time to request additional information on permit applications, are hereby suspended and tolled until August 11, 2024, provided such deadline has not expired as of the effective date of this Order.

DONE AND ORDERED on this 13th day of June, 2024, in West Palm Beach, Florida.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT

By: 

Drew Bartlett
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the District at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the District.

10:55 am Jun 13, 2024

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 Gun Club Road
West Palm Beach, Florida

SOUTH FLORIDA
WATER MANAGEMENT DISTRICT *W.S.*

IN THE MATTER OF:

SFWMD ORDER NO. 2024-037-DAO

EMERGENCY AUTHORIZATION
FOR PROCUREMENT OF GOODS
AND SERVICES MADE NECESSARY
BY INVEST 90L

_____ /

EMERGENCY FINAL ORDER

Under the authority of the State of Florida Executive Order No. 24-115, incorporated herein by reference, and section 120.569(2)(n), Florida Statutes, the South Florida Water Management District ("District"), enters this Order authorizing the emergency procurement of goods and services and suspending rules and policies requiring advertisement or competition, due to the impacts and time constraints caused by Invest 90L ("the Storm").

FINDINGS OF FACT

1. On June 12, 2024, the Governor of Florida issued Executive Order 24-115 ("the Executive Order") declaring a state of emergency based upon the serious threat to the public health, safety, and welfare posed by the Storm. The Governor included the following areas in the Executive Order that are within the District's jurisdiction: Broward, Collier, Lee, and Miami-Dade counties ("the Emergency Areas").

2. The Storm has the potential to cause widespread flooding, may continue to impact the operational capability of critical infrastructure, and poses an immediate danger to the lives and property of persons throughout the Emergency Areas.

3. The Executive Order found that the special duties and responsibilities of some agencies, including , in responding to disasters may require them to deviate from the statutes and rules they administer. More specifically, the Executive Order gives each political subdivision of the State authority to waive the procedures and formalities otherwise required of the political subdivision by law pertaining to:

- a. Performing public work and taking necessary action to ensure the health, safety, and welfare of the community;
- b. Entering into contracts;
- c. Incurring obligations;
- d. Employing permanent and temporary workers;
- e. Utilizing volunteer workers;
- f. Renting equipment;
- g. Acquiring and distributing, with or without compensation, supplies, materials, and facilities; and,
- h. Appropriating and expending public funds.

4. The Executive Director has determined that an immediate danger to the public health and safety or other substantial loss to the public exists because the Storm poses a serious and imminent threat to canals, works, lands, equipment, and facilities within the such that operational capability of the Big Cypress Basin, Central & Southern Florida Flood Control System, and other functions may be jeopardized.

ULTIMATE FACTS AND CONCLUSIONS OF LAW

5. The District issues this Order to carry out the directives in the Executive Order. The District has authority to issue this Order under sections 120.569(2)(n), 252.46, 373.119(2), and 373.439, Florida Statutes.

6. The Executive Order permits agencies, including the District, to suspend the provisions of any regulatory statute prescribing the procedures for conducting state business or the orders or rules of the agency if strict compliance with the provisions of any such statute, order, or rule would in any way prevent, hinder, or delay necessary action in coping with the emergency. The Executive Order gives agencies the authority to take formal action by emergency rule or order to cope with the emergency.

7. Based on the above findings of fact, and to protect the public's immediate health, safety, and welfare, and not prevent, hinder, or delay necessary action in coping with the emergency, it is both reasonable and appropriate to waive any statute, including, but not limited to, chapters 255 and 287, Florida Statutes, and any District rule, policy, or order pertaining to the procurement of equipment, services, and commodities necessitated by this emergency.

ORDER

THEREFORE, IT IS ORDERED that:

1. Effective upon execution of this Order, all requirements for advertisement and competition for the procurement of equipment, services, and commodities set forth in any statute, including, but not limited to, chapters 255 and 287, Florida Statutes, and any District rule, policy, or order are hereby waived for the duration of this Order.

2. District staff may procure equipment, services, and commodities necessitated by this emergency without advertisement or competition as described below:

a. The procurement of all goods and services necessary to prepare, maintain, and restore District canals, works, lands, equipment, and facilities to full operational condition.

b. All such procurements shall be reported to the Governing Board prior to or at the next regularly scheduled Governing Board meeting.

c. This authorization shall expire on August 11, 2024, unless otherwise extended or terminated by the Executive Director or Governing Board.

DONE AND ORDERED on this 13th day of June, 2024, in West Palm Beach, Florida.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT

By:



Drew Bartlett
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68, Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the DISTRICT at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the DISTRICT.

**STATE OF FLORIDA
SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

In re:

SFWMD ORDER NO. 2024-040 DAO

RESCISSION OF EMERGENCY
AUTHORIZATIONS SFWMD 2024-034-DAO,
SFWMD 2024-035-DAO, SFWMD 2024-036
-DAO, AND SFWMD 2024-037 TO ADDRESS
FLOODING CAUSED BY INVEST 90L

**RECEIVED
DISTRICT CLERK'S OFFICE**

3:21 pm Jul 2, 2024

**SOUTH FLORIDA
WATER MANAGEMENT DISTRICT**

YMB

**ORDER RESCINDING EMERGENCY FINAL ORDERS
ISSUED TO ADDRESS FLOODING CAUSED BY INVEST 90L**

The South Florida Water Management District ("SFWMD") enters this Order rescinding SFWMD Order Nos. 2024-034-DAO, 2024-035-DAO, 2024-036-DAO and 2024-037-DAO ("Emergency Final Orders") under sections 120.569(2)(n), 373.016, 373.119(2), 373.1391, Florida Statutes ("Fla. Stat."). The Emergency Final Orders enabled the District to perform public work and take prudent action to ensure the public's health, safety, and welfare in the wake of the flooding caused by Invest 90L.

FINDINGS OF FACT

1. On June 12, 2024, the Governor of Florida issued Executive Order 24-115 ("the Executive Order") declaring a state of emergency based upon the serious threat to the public health, safety, and welfare posed by the Invest 90L.
2. On June 13, 2024, SFWMD issued the following Emergency Orders for Broward, Collier, Lee, and Miami-Dade counties:
 - a. SFWMD Order No. 2024-034-DAO providing emergency authorization for repairs, replacement, restoration, and certain other measures made necessary by Invest 90L;

b. SFWMD 2024-035-DAO providing emergency authorization for pumping and other measures to address flooding caused by Invest 90L;

c. SFWMD 2024-036-DAO providing emergency authorization abrogating time requirements, notice requirements and deadlines for action on permits and other approvals made necessary by Invest 90L; and

d. SFWMD 2024-037-DAO providing emergency authorization for procurement of goods and services made necessary by Invest 90L.

3. Conditions affecting the SFWMD Lands in Broward, Collier, Lee, and Miami-Dade counties have improved such that a serious risk of floods threatening the public health, safety, and welfare no longer exists.

CONCLUSIONS OF LAW

4. Pursuant to Sections 120.569(2)(n), 252.46, 373.119(2), and 373.439, Fla. Stat., the Executive Director of the SFWMD, with the Governing Board's concurrence, is authorized to require actions be taken "[w]hen necessary during emergency conditions such as floods, severe weather events, or wildfire for public safety and the protection of natural resources."

5. Because conditions have improved, the Executive Director may rescind SFWMD Order Nos. 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO as they are no longer necessary to protect the public health, safety, and welfare.

ORDER

THEREFORE IT IS ORDERED that:

6. SFWMD Order Nos. 2024-034-DAO, 2024-035-DAO, 2024-036-DAO, and 2024-037-DAO are rescinded.

7. This Order is effective immediately upon execution.

DONE AND SO ORDERED in West Palm Beach, Florida, on this 2nd day of July, 2024.

SOUTH FLORIDA WATER
MANAGEMENT DISTRICT
By its Executive Director



DREW BARTLETT
Executive Director

NOTICE OF RIGHTS

Any party substantially affected by this Order has the right to seek judicial review under section 120.68, Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the SFWMD at 3301 Gun Club Road, West Palm Beach, Florida 33406, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the Clerk of the SFWMD.

M E M O R A N D U M

TO: Governing Board Members

FROM: John Mitnik, P.E., Chief District Engineer

DATE: July 11, 2024

SUBJECT: Providing Flood Control with Aging Infrastructure and Changed Conditions

Agenda Item Background:

This presentation will provide an overview of the District's mission and commitment to providing flood control in the context of the aging infrastructure and changes in environmental conditions. It focuses on the history and mission of the District from 1948 to today, the current state of infrastructure at or approaching their end-of-life cycles, highlights key regions that require repair, refurbishment, and/or replacement, the effects of changing environmental conditions on structures and pump stations, the capital improvement planning process and resiliency efforts, and the need for continued investments to ensure the District's critical flood control infrastructure is operating safely, efficiently, and as intended.

Staff Contact and/or Presenter:

John Mitnik, P.E., jmitnik@sfwmd.gov, 561-682-2679

ATTACHMENTS:

M E M O R A N D U M

TO: Governing Board Members

FROM: Nancy Demonstranti, Water Resources Division

DATE: July 11, 2024

SUBJECT: 2023-2024 Lower East Coast Water Supply Plan Update Status

Agenda Item Background:

This presentation will provide an overview of the Draft 2023-2024 Lower East Coast (LEC) Water Supply Plan Update; no action is required at this stage. Water supply plans are updated every five years and identify sustainable water supplies for all water users in the region while protecting water resources and related natural systems. Development of the 5-year update is nearing completion for the LEC Planning Area, which includes all of Palm Beach, Broward and Miami-Dade counties, most of Monroe County, and portions of Collier and Hendry counties, and the reservations for the Seminole Tribe of Florida and Miccosukee Tribe of Indians of Florida. The majority of the Draft 2023-2024 LEC Water Supply Plan Update was released for public review in February and the remaining sections in June, and is scheduled for Governing Board consideration and approval in September 2024.

Staff Contact and/or Presenter:

Nancy Demonstranti, ndemonst@sfwmd.gov, 561-682-2563

ATTACHMENTS:

From: noreply@granicusideas.com
To: [Brown, Molly](#); [Fretwell, Angela](#); [Bonilla, Yvette](#); [Salomon, Wildad](#)
Subject: New eComment for Governing Board
Date: Friday, July 5, 2024 12:20:21 PM

[Please remember, this is an external email]

[South Florida Water Management District](#)

New eComment for Governing Board

Robert Bluestone submitted a new eComment.

Meeting: Governing Board

Item: 10) General Public Comment

eComment: For many, many years the South Florida Water Management District provided a comprehensive proprietary "Spaghetti Model" that tracked potential hurricane activity. This was found on the South Florida Water Management District Website under "Hurricane Model Plots", under the subheading the same, "Hurricane Model Plots". This information is NO LONGER available on the subject location on the webpage. Regardless of the concern or reason, any information created at the taxpayer expense must be made available upon request or as a matter of course. I am formally requesting that the subject information be restored to the website and again be made available to the public just as it has been for many, many years. I am hopeful this information can be restored without the requirement of action via regulatory or legal means.
Thank you

[View and Analyze eComments](#)

This email was sent from <https://sfwmd.granicusideas.com>.

[Unsubscribe](#) from future mailings

Providing Flood Control with Aging Infrastructure and Changed Conditions

July 11, 2024

Governing Board Meeting



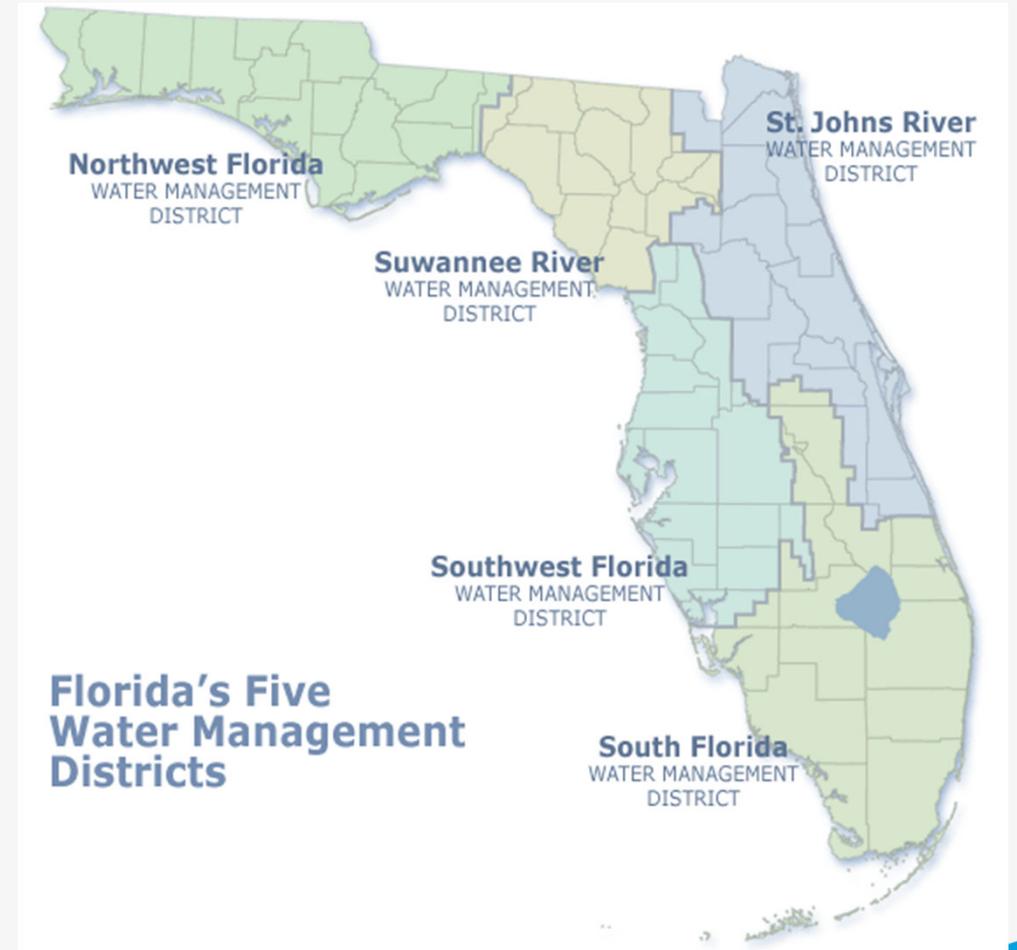
John P. Mitnik, P.E.

**Chief District Engineer and Assistant Executive Director
South Florida Water Management District**

South Florida Water Management District

- Created in 1949, oldest and largest of the state's five water management districts
- Majority of structures used for flood control operations today were built in the 1950s and 1960s
- 16 counties from Orlando to the Florida Keys
- Serves a population of ~9 million residents

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.



TYPES OF STRUCTURES OPERATED AND MANAGED BY THE DISTRICT



STA-1E

➤ **Stormwater Treatment Areas (STAs):** Large, constructed wetlands designed to remove nutrient pollution from water using natural aquatic plants.



S-69 Weir

➤ **Reservoirs and Impoundments:** Human-made water bodies used for water storage. A Flow Equalization Basin (FEB) is a type of impoundment designed to temporarily capture and hold water.

➤ **Weirs:** Structures across a canal or stream that block the flow of water until the water flows over the structure.

➤ **Pump Stations:** Control structures that force the movement of water using pumps.



S-155A Spillway

➤ **Spillways:** Structures that allow movement of water between water bodies by use of gates.

➤ **Dikes & Levees:** A barrier that diverts or restrains the flow of water. Large earthworks that surround Lake Okeechobee are generally referred to as dikes. Smaller earthworks surrounding canals and Water Conservation Areas are generally called levees.



C-18 Canal Culvert

➤ **Culverts:** Structures that allow the flow of water between two areas. They are typically placed under roads or levees.

➤ **Canals:** A system of human-made trenches used for the movement of water.



C-44 Reservoir



G-251 Pump Station



Herbert Hoover Dike

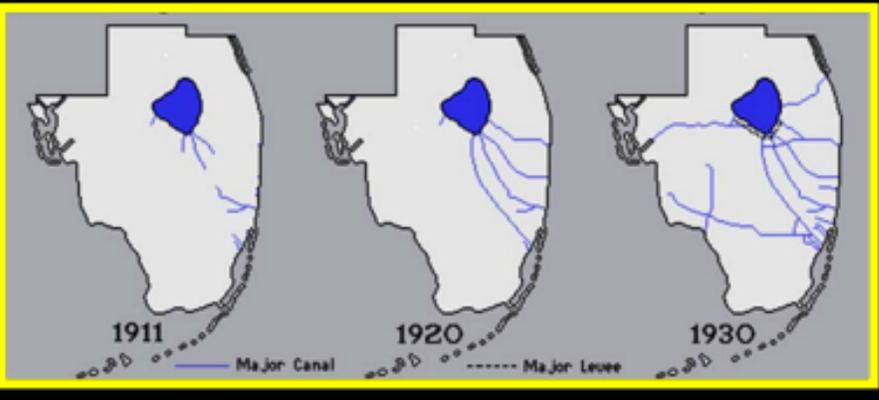


C-59 Canal

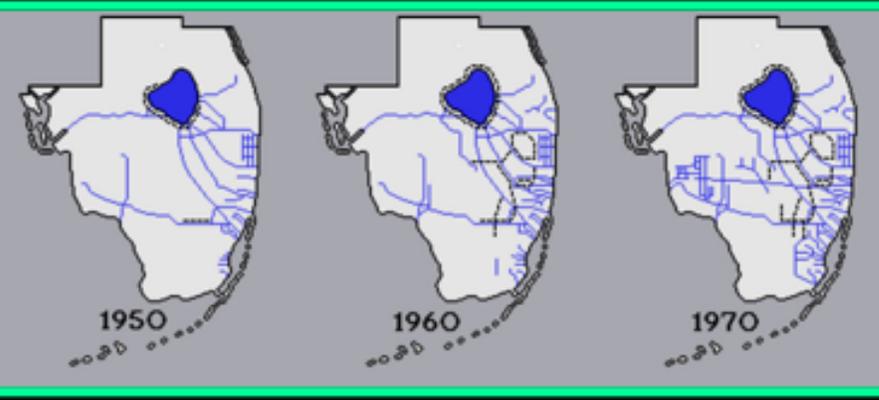
- On average the flood control system moves more than 20-million-acre feet of water each year.
- More than 2,175 miles of canals
- More than 2,130 miles of levees/berms
- 90 pump stations
- More than 915 water control structures
- More than 620 project culverts
- Each year new capital projects add more infrastructure:
 - Comprehensive Everglades Restoration Plan
 - Northern Everglades and Estuaries Protection Plan
 - Dispersed Water Storage
 - Restoration Strategies

Recognizing Changing Conditions

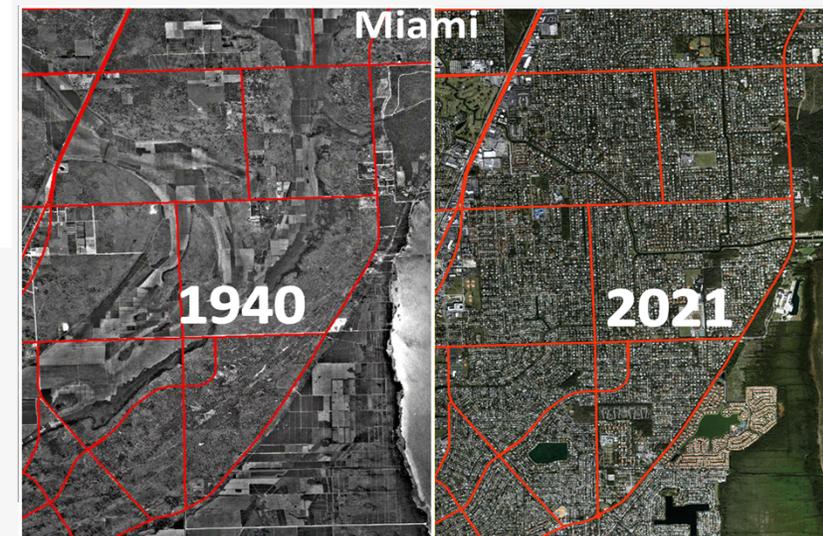
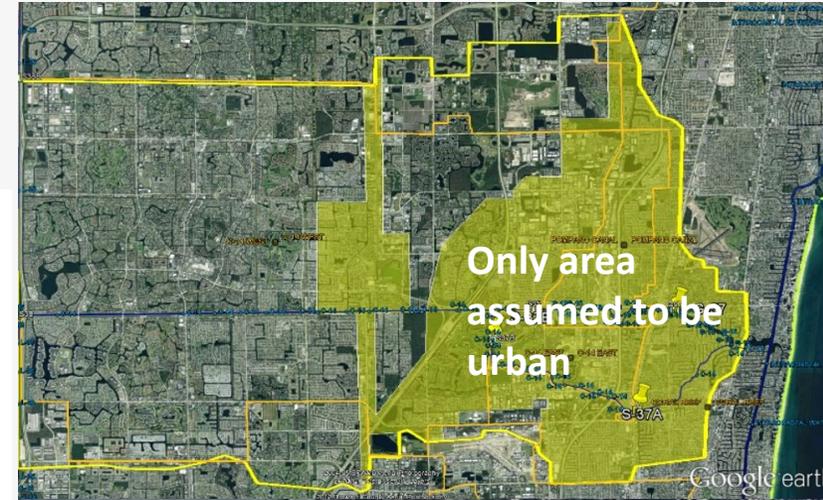
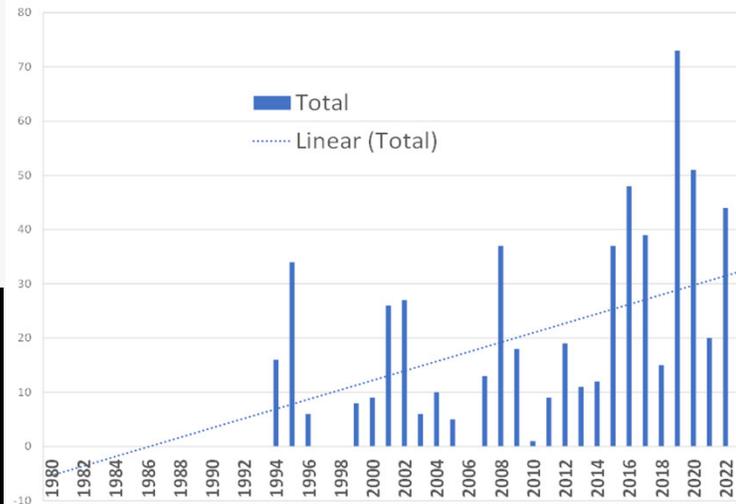
Pre-1948 Drainage Projects



Post-1948 C & S Florida Project



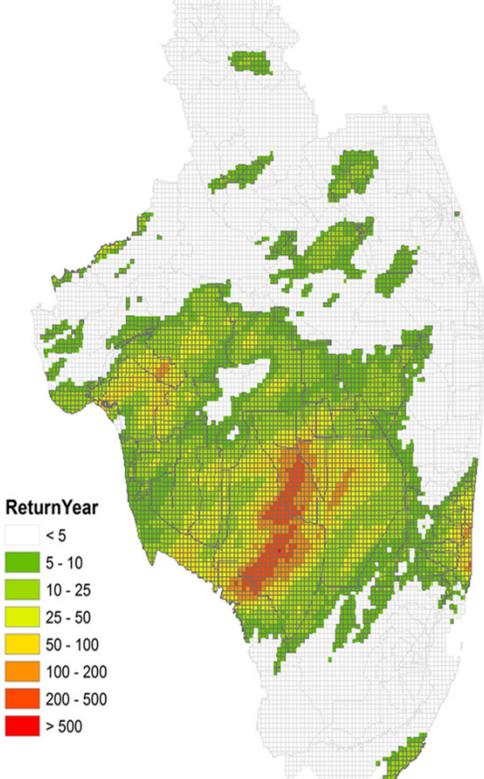
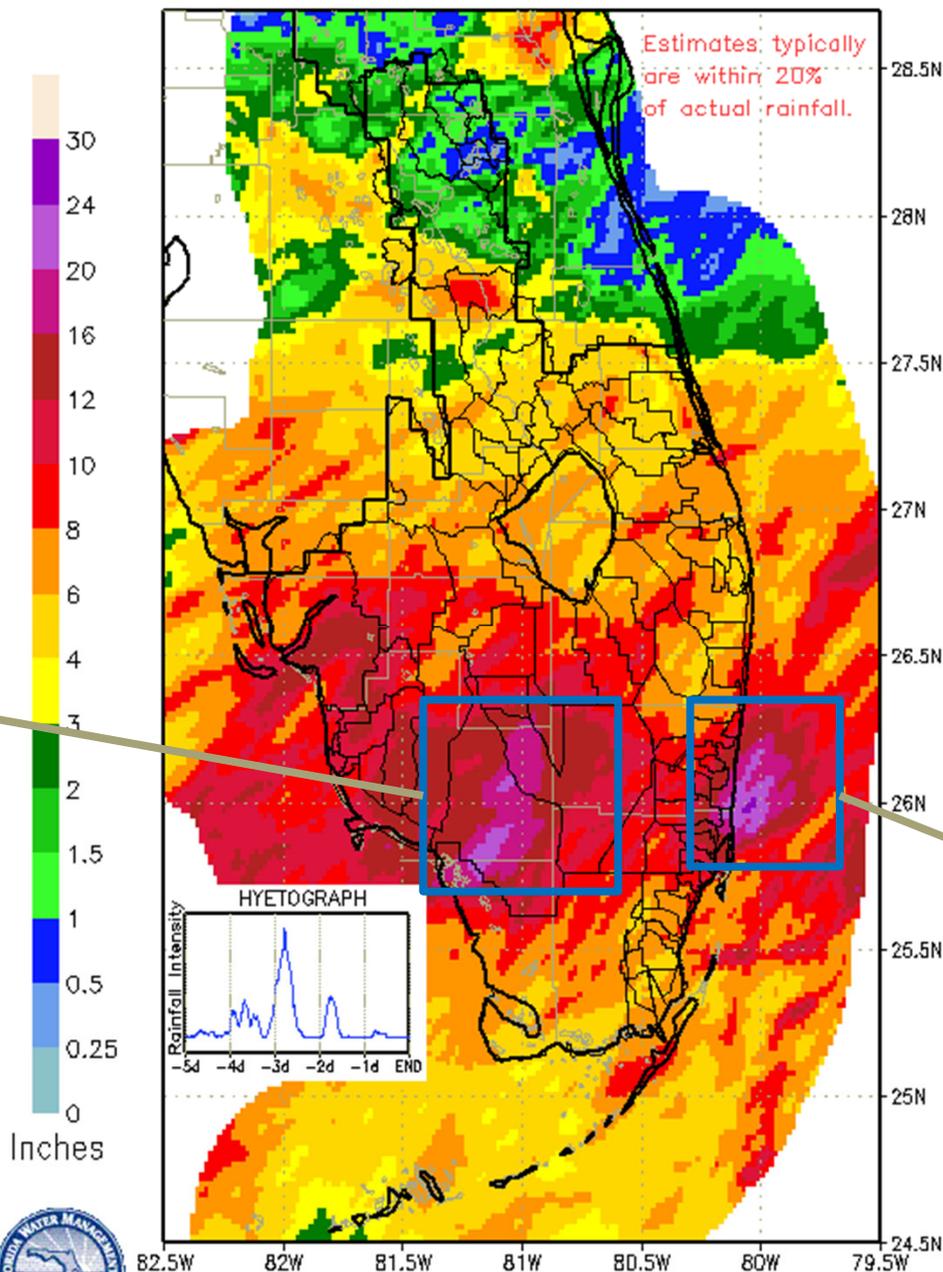
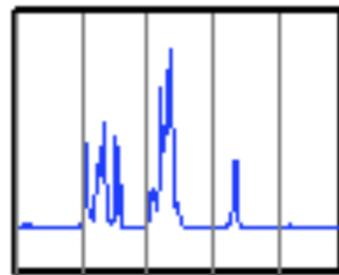
S28 - Number of Days in a Year where TW > HW



Rainfall Intensification

EAST_COLLIER

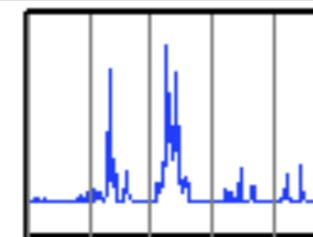
Max: 22.970"
 Avg: 14.795"



(North Biscayne Bay)

COASTAL_MIAMI-DADE

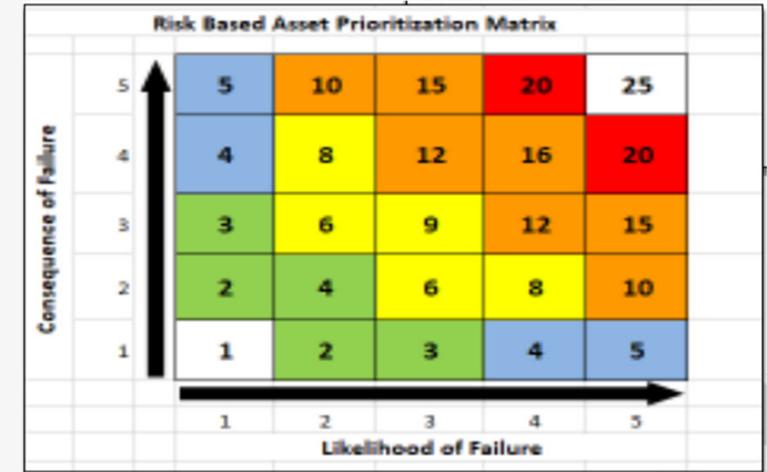
Max: 23.420"
 Avg: 11.955"



DISTRICT-WIDE RAINFALL ESTIMATE: 8.031"

Structure Inspection Program

- Structures inspected every 5 to 7 years
- Overall inspection rating provides infrastructure condition
- Risk ranking score guides prioritization of corrective actions based on flood control failure risk
- Ensure safe and reliable operations and recommend infrastructure investments for the Capital Improvement Plan
- Capital Improvement Plan: repairing, refurbishing, enhancing, and upgrading infrastructure for efficiency
- Build 5-year Capital Improvement Plan utilizing inspection score, risk rankings and conceptual scope and estimated costs for refurbishment or replacement



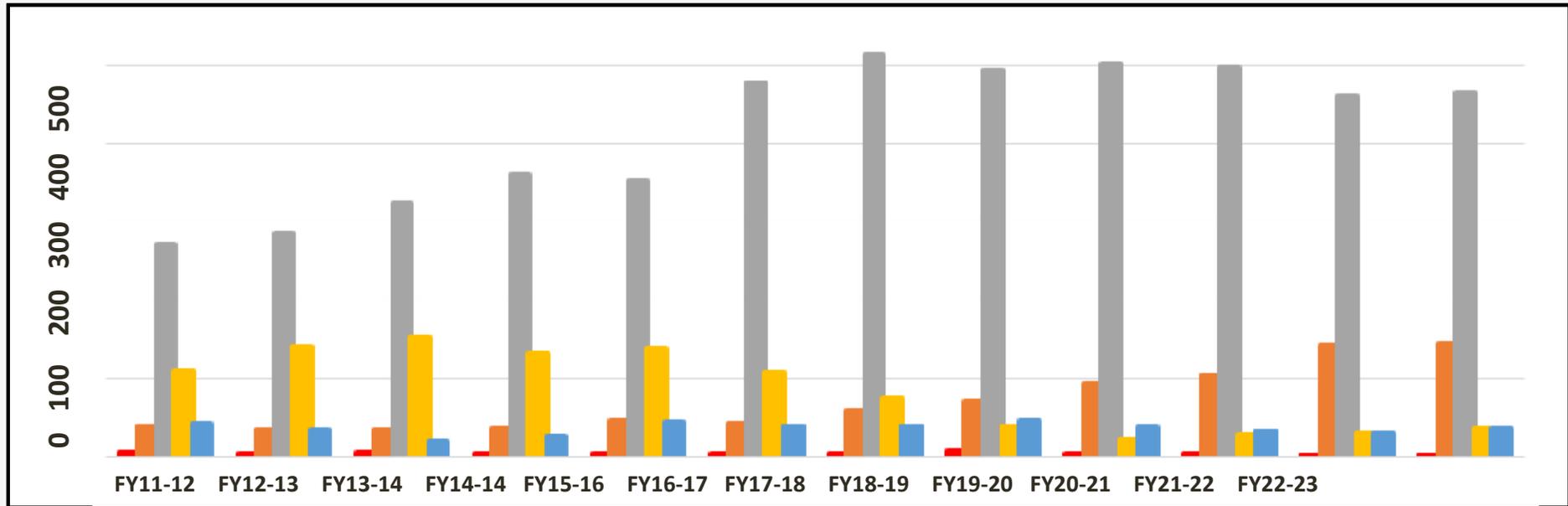
Inspector Information				
Lead Inspector: Tim Kunard	Inspection Date: 1-6-20	Phone: 561-882-6305		
Previous Inspection Date: 2-12-15	Previous Inspector: Gary Dunmyer			
F/S Superintendent: Sean Smith	F/S Bureau Chief: Jesus Carrasco			
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>			
Structure Details				
Description: Spillway	# Gates: 3	# Pumps: 0	# Barrels: 0	Lifting Mechanism: Hydraulic

Figure 1 – Aerial image of the S20F Structure site



Structure Inspection Program

- C-5** Repair within one year
- C-4** Repair within 18 months
- C-3** Repair within two years
- C-2** Monitor
- C-1** No Action



Rating	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FY2015-16	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FY2021-22	FY2022-23	Quantity Change from FY2011-12 to FY2022-23
C-5	5	4	5	3	3	3	3	6	4	4	2	2	-3
C-4	38	34	33	35	45	41	58	70	93	103	142	143	105
C-3	271	285	324	360	353	478	514	494	503	497	461	466	195
C-2	108	140	152	131	137	107	74	39	21	28	29	36	-72
C-1	42	34	19	26	43	39	39	44	37	32	29	35	-7
Total	464	497	533	555	581	668	688	653	658	664	663	682	218



Infrastructure Common Failure Modes

- Acid attack on structural concrete and rebar failure
- Undermining of wingwalls, foundation slab, and structure apron
- Corrosion, metal loss and pitting of structural steel, pump components and structure gates
- Obsolescence of major machinery: engines, gearboxes, generators, instrumentation and control panels and electrical equipment
- Downstream scour and canal bank erosion impacting structure stability



S-8 Engine Control Panel Upgrades

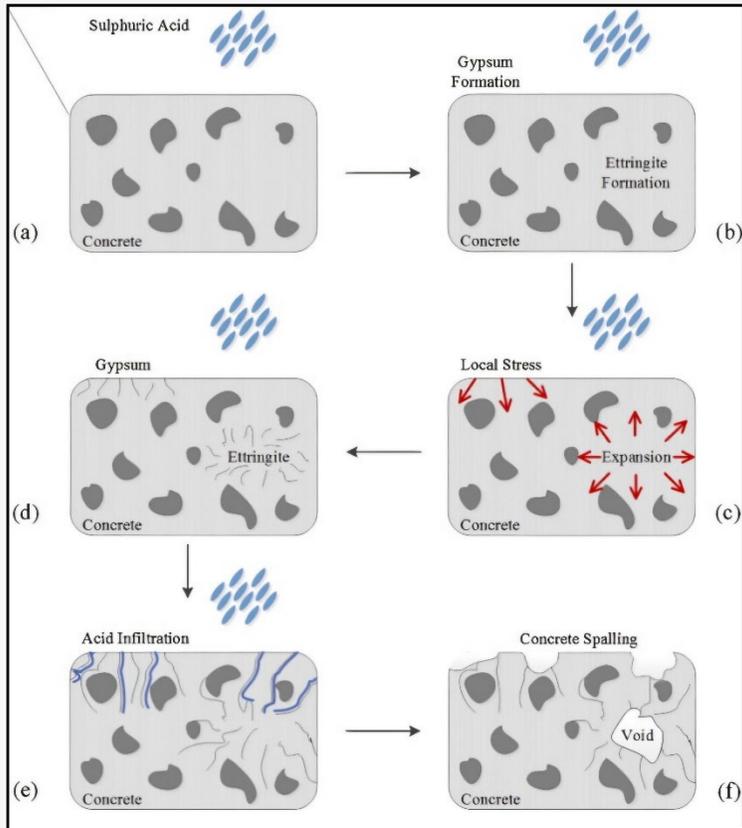


Obsolete Detroit Diesel 2 - stroke Engines



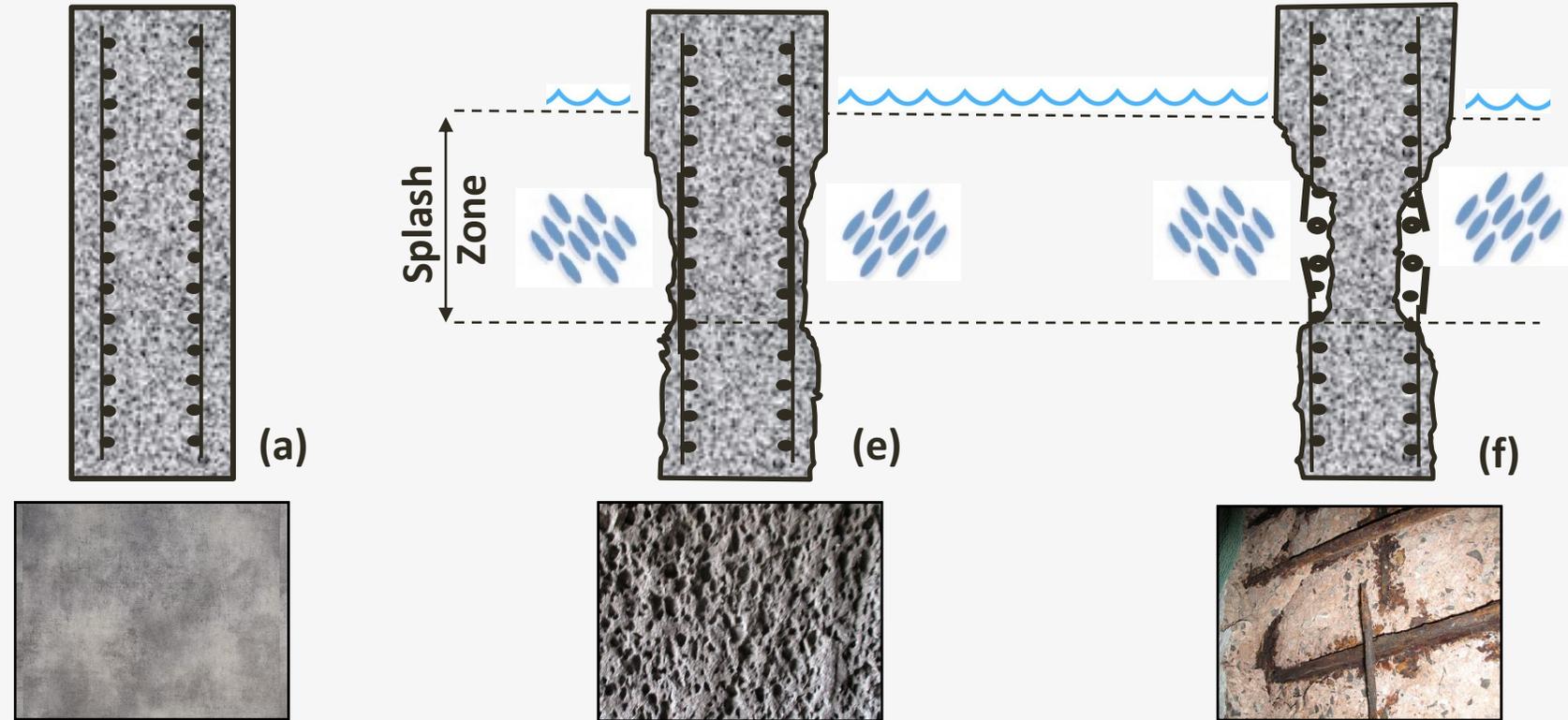
Electric Motor Damaged Stator

Structure Deficiencies: Acid Attack on Structural Concrete



Phases of Concrete Acid Attack

Typical Structure Abutment Wall Sections



Unaffected Concrete

Acid Infiltration
Loss of Aggregate
Corrosion of Rebar Begins

Concrete Spalling
Fractured Rebar
Loss of Strength

Structure Deficiencies: Acid Attack on Structural Concrete



Deterioration of concrete resulting loss of aggregate



Deterioration of concrete is accelerated in the splash zone



Scaling, pitting & deterioration of the concrete within the gate well



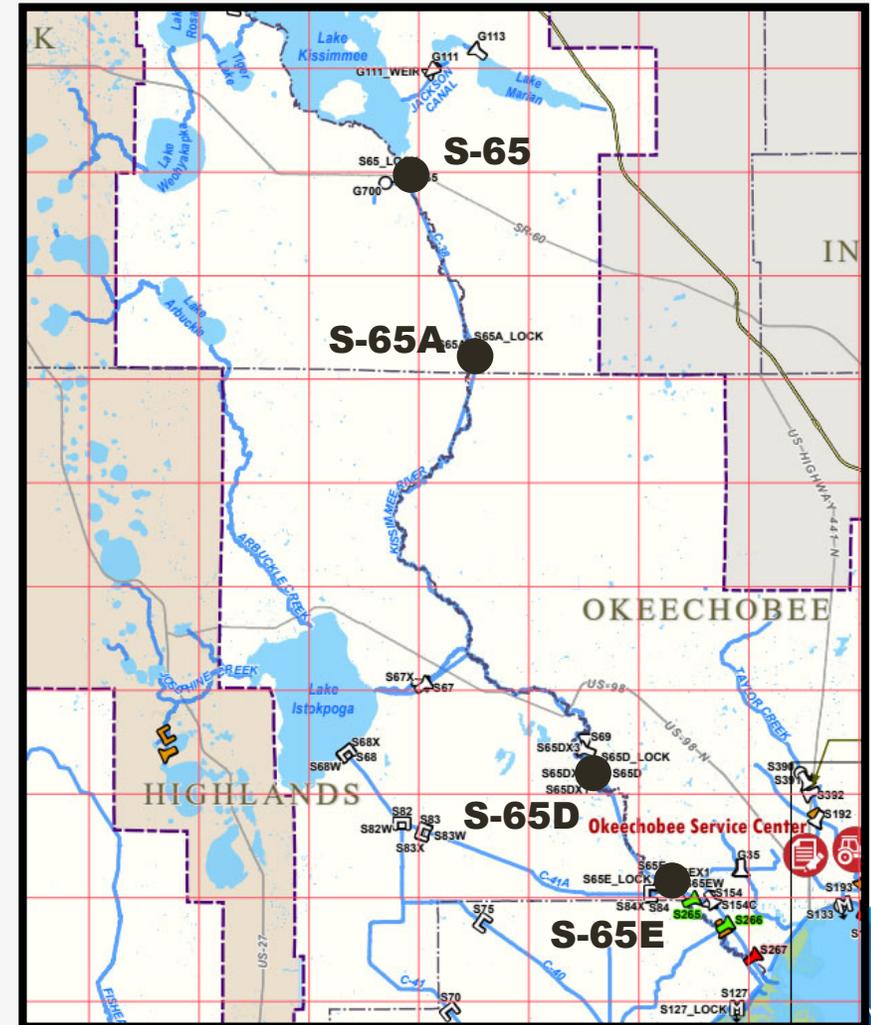
Scaling, pitting & deterioration of concrete with exposed rebar

Upper Chain of Lakes and Kissimmee River Structure Deficiencies

Structures experiencing degradation in the structural concrete due to “acid attack” requiring structure refurbishment or replacement in Polk and Okeechobee Counties:

- S-65
- S-65A
- S-65D
- S-65E

Note: Structures needing refurbishment in this region play a vital flood protection and water level management role. Loss of one of these structures would greatly impact the ability to provide flood control and the ability to manage water levels for water supply, recreation and agriculture.



Upper Chain of Lakes and Kissimmee River

S-65 Structure Spillway Deficiencies

- Concrete refurbishment and wingwall replacement
- Notable deficiencies include generalized concrete deterioration with exposed rebar
- Structure design and condition may require full replacement
- Structure became operational 1962 - currently rated C4



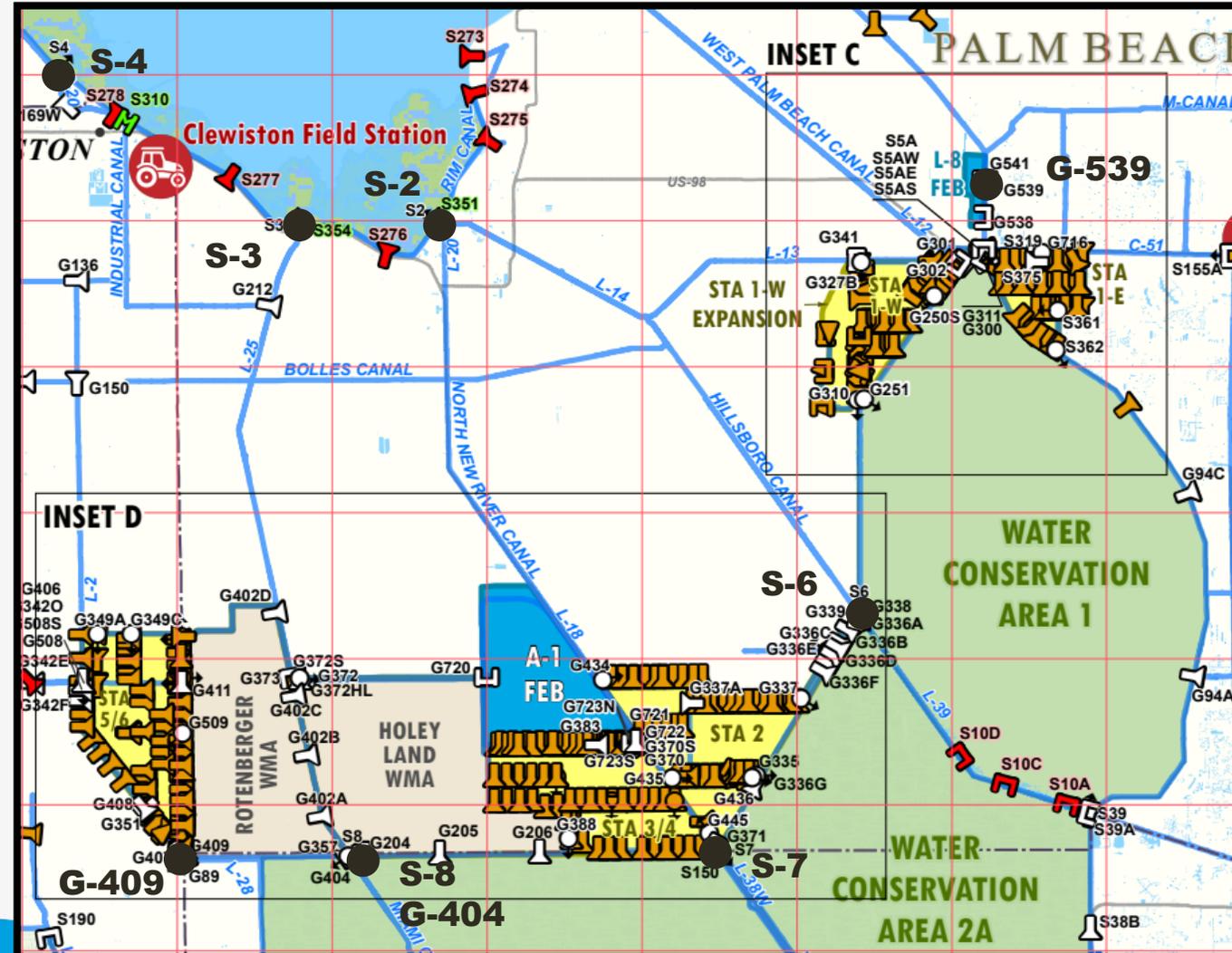
**Concrete piers have deteriorated
due to acid attack**

Everglades Agricultural Area / Pump Station Deficiencies

Major Pump Stations located in the Everglades Agricultural Area that need major refurbishment or replacement in Hendry and Palm Beach Counties:

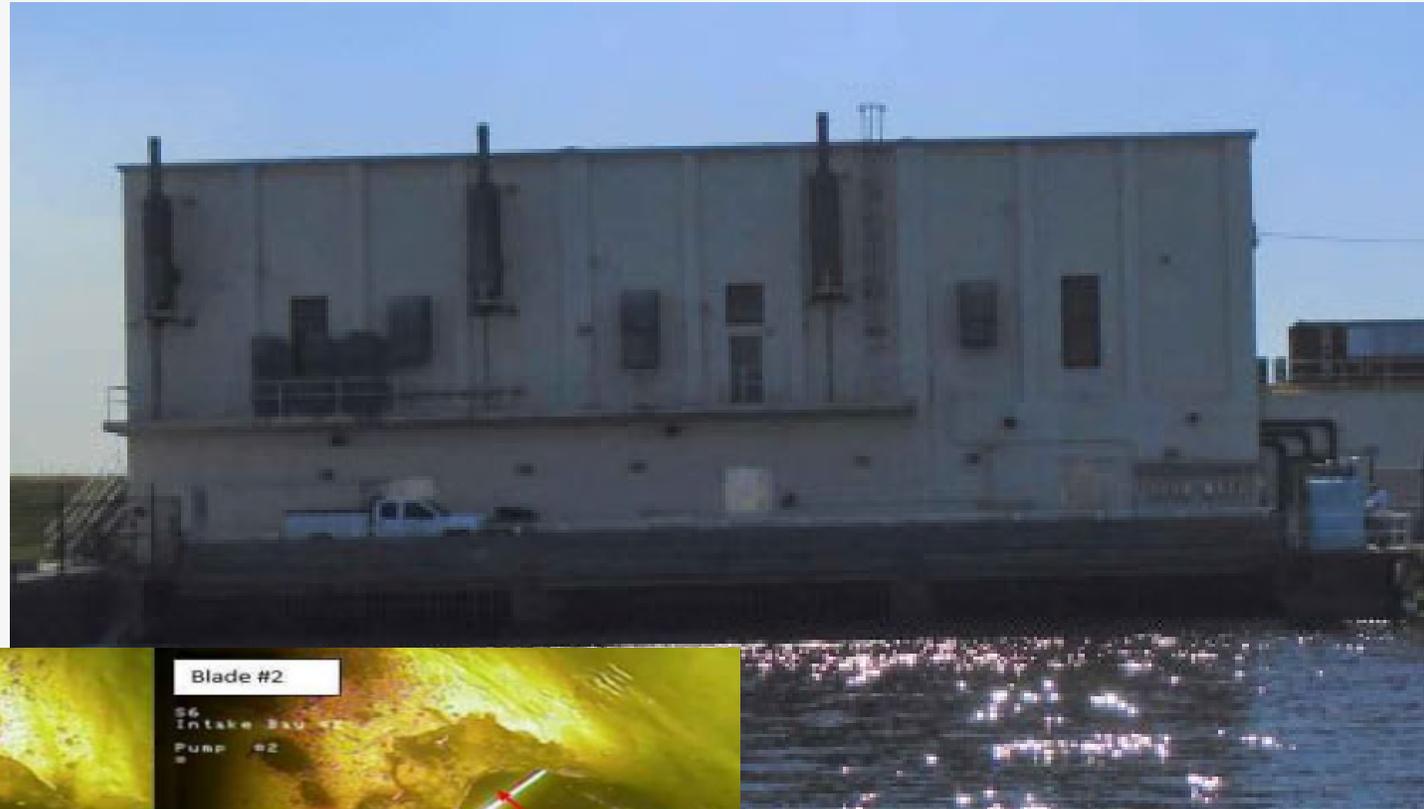
- S-2, S-3, S-4
- S-6
- S-7
- S-8
- G-409
- G-539
- G-404

Note: Pump Stations needing refurbishment in this agricultural region play a vital flood protection and water level management role. Loss of one of these pump stations would greatly impact the ability to provide flood control and the ability to send water south.



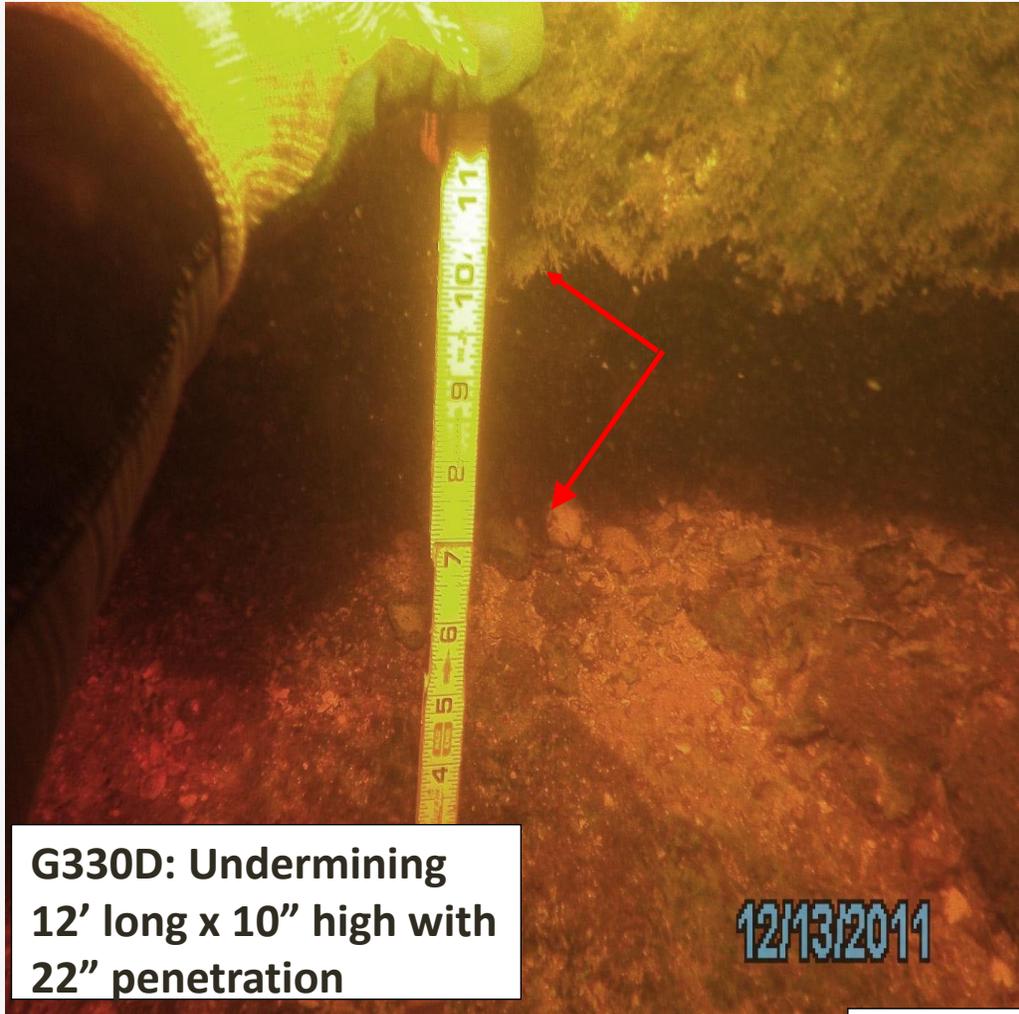
S-6 Pump Station Deficiencies

- Major refurbishment of the pump including replacement of the impeller, the impeller housing and pump shaft
- Refurbishment will also include repair of the pump diffuser and recoating of the pump casing
- Structure became operational 1957
Currently rated C4



Significant metal loss
on the impeller blades

Stormwater Treatment Area 2



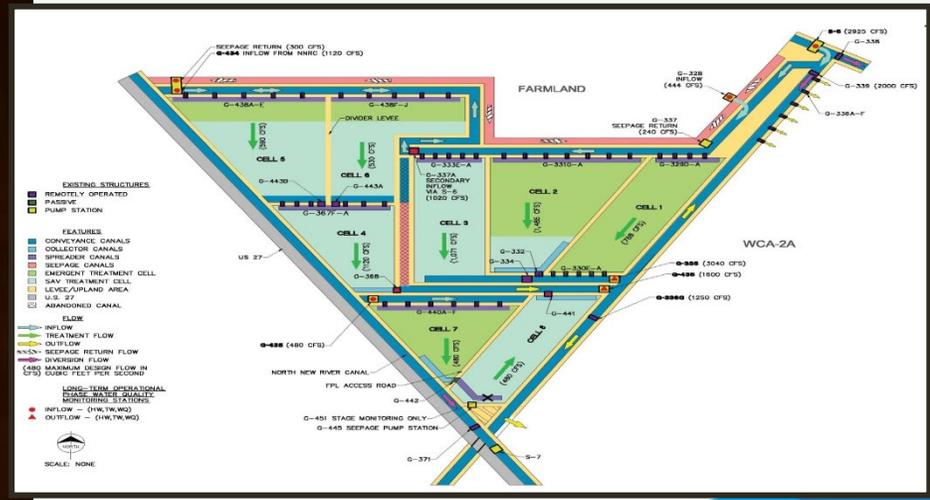
G330D: Undermining
 12' long x 10" high with
 22" penetration



G368B: Corrosion with 1/4" scale and 1/8" penetration over 90%



G330G:
 Separation 4"
 wide x 2ft long

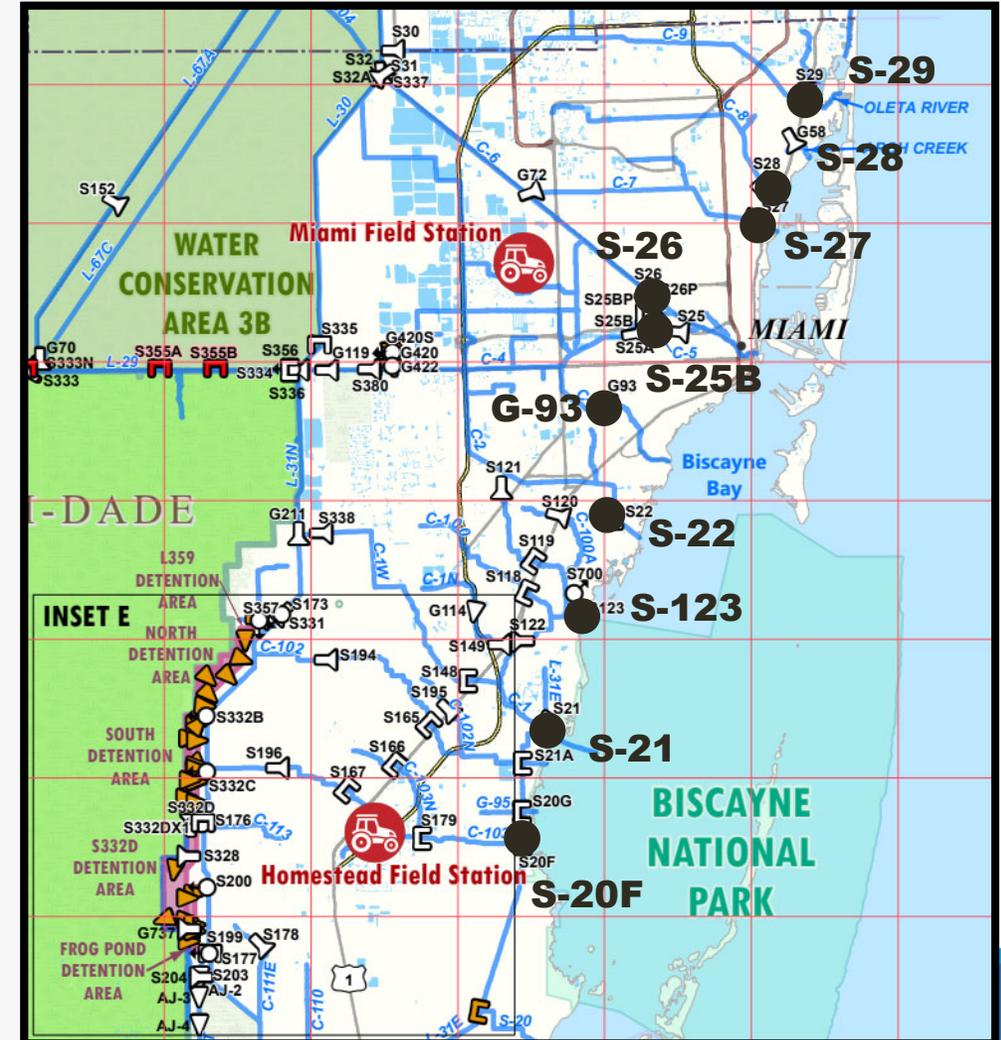


Miami-Dade County Coastal Structure Deficiencies

Major Structures needing refurbishment and resiliency improvements to mitigate sea level rise in Miami-Dade County:

- S-29
- S-28
- S-27
- S-26
- S-25B
- G-93
- S-21
- S-22
- S-123
- S-20F

Note: Structures needing refurbishment in this urbanized region play a vital flood protection and water level management role. Loss of one of these structures would greatly impact the ability to provide flood control and the ability to manage water levels for recreation, water supply, saltwater intrusion and agriculture.



S-29 Structure Deficiencies & Future Resiliency Pump Station

- Refurbishment of the structure including replacement of the service bridge, gates, retaining walls and gate control systems
 - Notable deficiencies include serious cracking and failure of concrete on service bridge, failing retention walls, and moderate to severe corrosion on metal components
 - Resiliency improvements to replace gates and other metals with stainless-steel materials and raise structure components and gates above the tidal zone and construct a forward pump station
 - Structure became operational 1954
Currently rated C4
- Erosion and undermining of retaining wall**



Deterioration of concrete with exposed rebar on service bridge

S-27 Structure Deficiencies & Future Resiliency Pump Station

- Replacement of the sheet piles and service bridge
- Notable deficiencies include sheet pile corrosion with section loss, horizontal crack in composite retaining wall, and soil erosion on west downstream bank
- Resiliency improvements to replace gates and other metals with stainless-steel materials and raise structure components and gates above the tidal zone and construct a forward pump station
- Structure became operational 1961
Currently rated C4



Break in retention wall on downstream eastside

S-25B Structure & Pump Station Deficiencies

- Structure: replacement of the sheet pile walls, service bridge, roller gates, and hydraulic gate lifting mechanism.
- Pump Station: replacement of pumps and generators
- Notable deficiencies include concrete deterioration and exposed rebar at pile caps, voids between sheet piling and exposed filter fabric on banks
- Resiliency improvements include new larger capacity pump station and structure
- Structure became operational 1977
Currently rated C4



Concrete with large honeycomb areas



Exposed rebar along the bottom section of the north wingwall

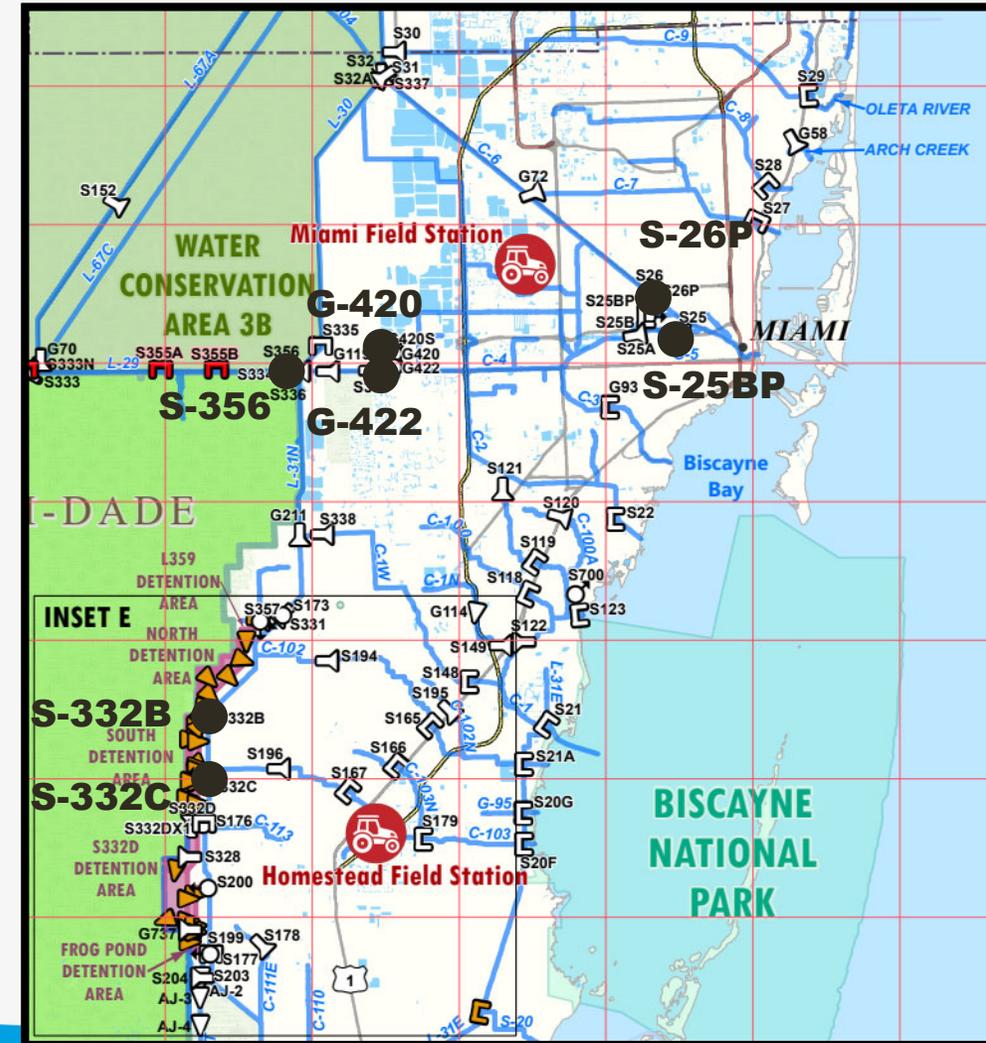


Miami-Dade County Pump Station Deficiencies

Major pump stations needing refurbishment or replacement in Miami-Dade County:

- G-420
- G-422
- S-356
- S-332B
- S-332C

Note: Pump stations needing refurbishment in this urbanized region play a vital flood protection and water level management role. Loss of one of these pump stations would greatly impact the ability to provide flood control and the ability to manage water levels for recreation, water supply and agriculture.



C-111 South Dade / S-332B&C Pump Station Deficiencies

- Pump stations were designed to be temporary and have outlived their design life
- Replacement Pump Stations are necessary to bring the stations up to current design standards including all electrical, mechanical and structural systems
- Lined concrete channel instead of metal pipes
- Structures became operational 2000 - Currently rated C4/C5
- S-332C currently offline with emergency repairs



Sinkhole over discharge pipe #4

S-21 Structure Deficiencies Repaired

- Coastal structures face severe corrosion and failure due to salinity
- Rebar corrosion is site specific, however splash zones and lower platforms are more prone to corrosion
- Requires more resilient design incorporating stainless-steel rebar, concrete additives, sealing concrete surfaces, and raising structure components above the tidal zone
- Structure refurbishment completed

**Bay 2 Lower Platform,
Bottom Rebar, Downstream**



Bay 3 Lower Platform



Delivering Water to Loxahatchee River (G-160)

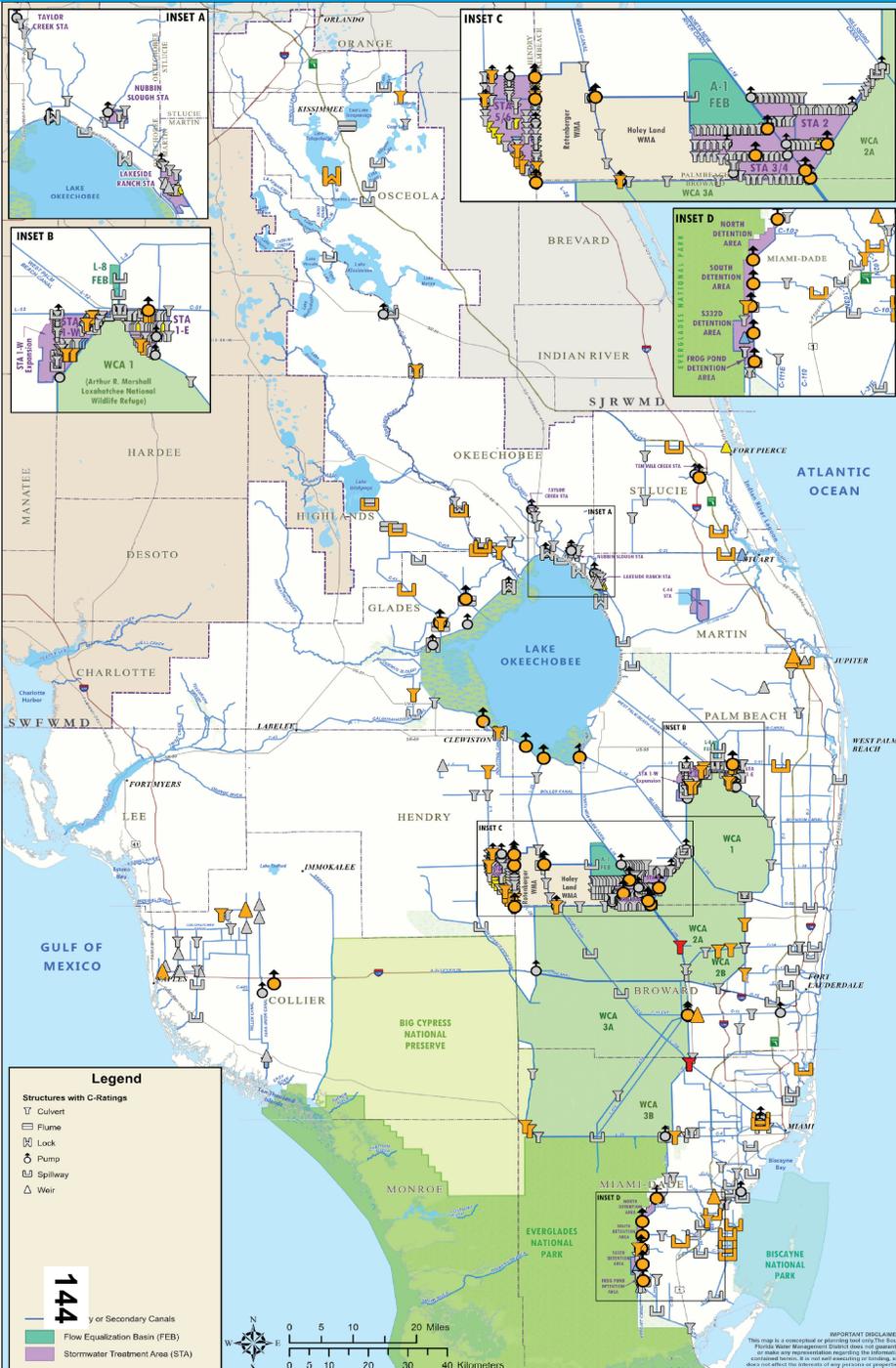
- Gate failure due to horizontal stiffeners fractured at welds
- Prevented full operation of structure on the C-18 Canal
- Emergency repairs and gate replacement completed



Weld Fracture

Infrastructure Overview

- Infrastructure portfolio has increased since 2006
- 50% of original C&SF infrastructure at end of life
- Some structure designs prevent refurbishments and require full replacements
- Highly urbanized flood zones require adaptation
- Additional high priority infrastructure on the way with Reservoirs, FEBs and STAs



Infrastructure Type	% Change (2006 - 2024)	10-Year (2015-2024)
Project Culverts	0%	0%
Miles of Canals\Levees	119%	5%
Structures	84%	35%
Pump Stations	78%	27%
Total	87%	8%



Capital Improvement Plan Funding Sources

- Ad Valorem
- Senate Bill 1638 – General Revenue
- Federal Emergency Management Administration - Building Resilient Infrastructure and Communities and Mitigation Grants
- Florida Department of Environmental Protection - State Resiliency Program
- United States Army Corps of Engineers Planning Studies



SE FLORIDA FLOOD RISK MANAGEMENT STUDIES

Reach A: Broward and Hillsboro Basins

- Section 203 Study by SFWMD for WRDA2026 (In partnership with Broward County)
- G-57, S-37A, S-36, S-33, S-13 and G-54, G-56

Reach B: Little River and Nearby Basins

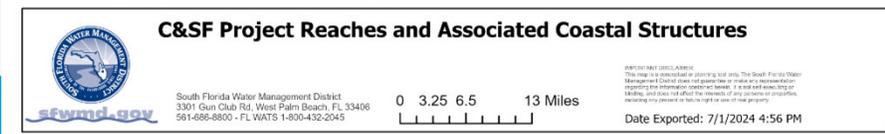
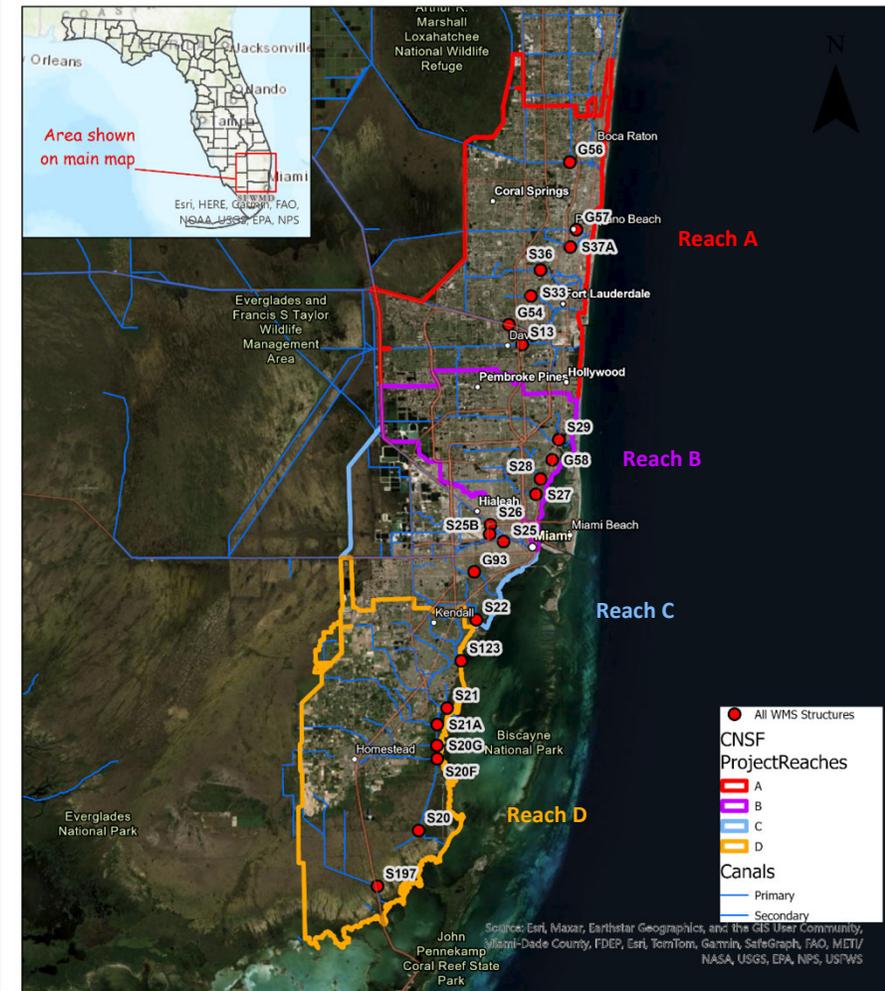
- FEMA BRIC Awards to SFWMD (through FDEM) (In partnership with Miami Dade County)
- S-29, S-28 and S-27 (G-58 to come next)

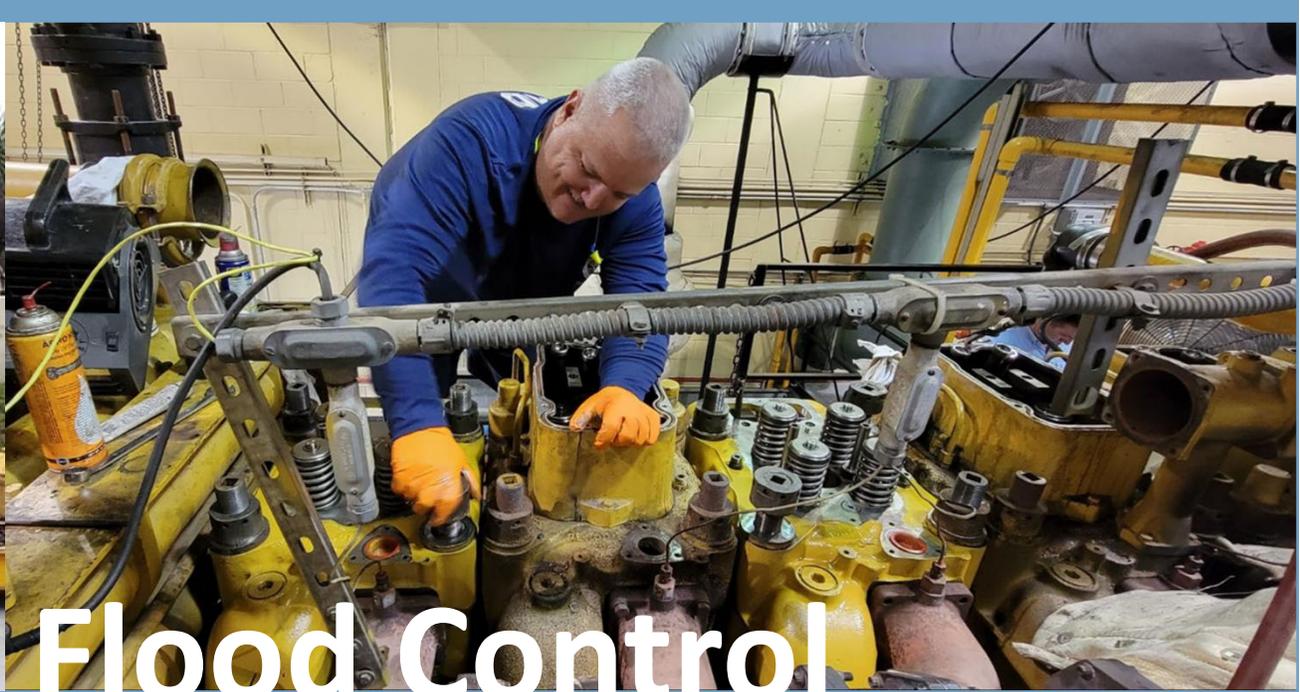
Reach C: Miami River and Nearby Basins

- Pursue C&SF Flood Resiliency Study (Section 216)
- S-26, S-25B, G-93, and S-22 (S-25 to come next)

Reach D: South Miami Basins

- Future Authorization via new Section 216 Study or Comprehensive Study
- S-123, S-21, S-21A, S-20G, S-20F, S-29 and S-197





Committed to Flood Control

Operations and Maintenance is Forever



2023-2024 Lower East Coast Water Supply Plan Update



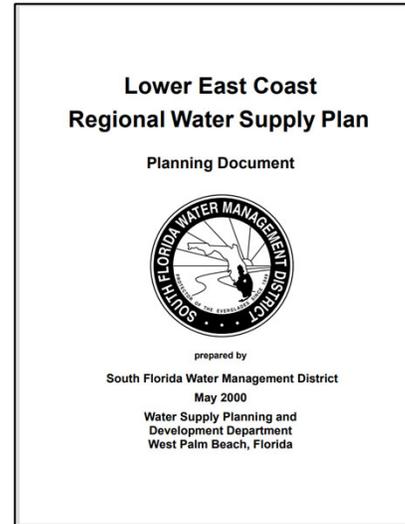
Nancy Demonstranti, P.G.
Water Supply Bureau

Governing Board Meeting
July 11, 2024

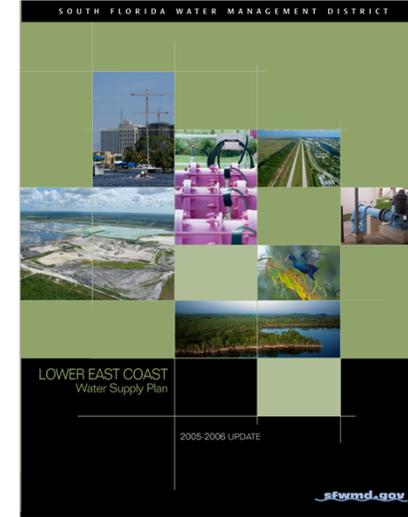


Water Supply Planning in Florida

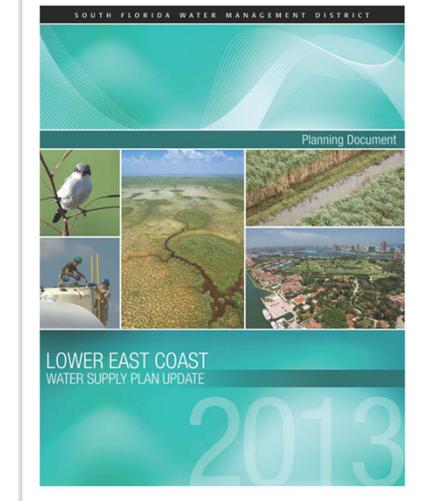
- SFWMD initiated water supply planning in the early 1990s
- Required by Florida Statute since 1997
- The first LEC Water Supply Plan was completed in 2000
- This is the fourth update!
- Planning horizon for this update is 2021 to 2045



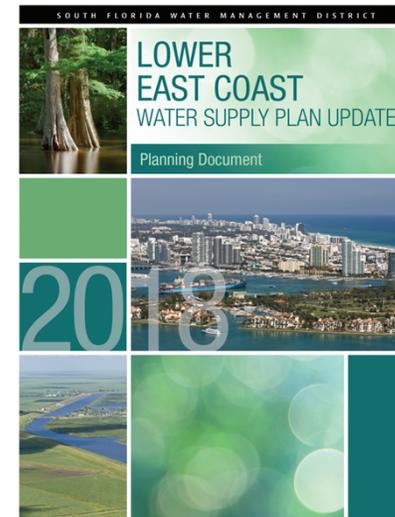
2000



2005-2006



2013



2018



2023-2024

Regional Water Supply Plan

What It Does

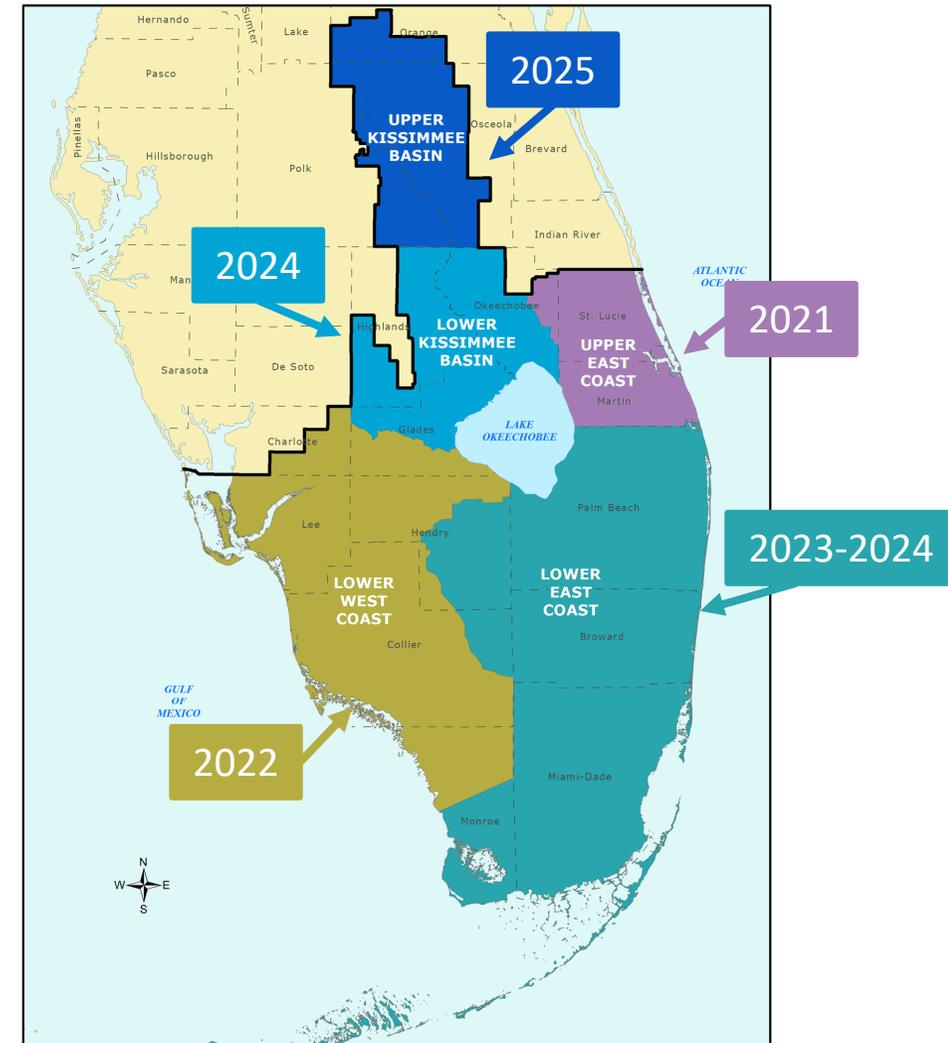
- Provides a road map to meet future water needs for 6 categories
- Conducts a planning-level approach
- Projects future water demands at 5-year increments
- Identifies and evaluates water source options
- Triggers requirement for local governments to update their Water Facilities Workplans

What It Does NOT Do

- Does not authorize consumptive use permits
- Does not establish minimum flows and minimum water levels (MFLs)
- Does not adopt rules
- Does not address water quality issues

Water Supply Plan Requirements

- 20-year planning period
- Demand estimates and projections
- Resource analyses
- Issue identification
- Evaluation of water source options
- Water resource development
 - Responsibility of water management district
- Water supply development
 - Responsibility of water users
- Environmental protective and restoration strategies
 - Review/update prevention and recovery strategies for minimum flows and minimum water levels (MFLs)



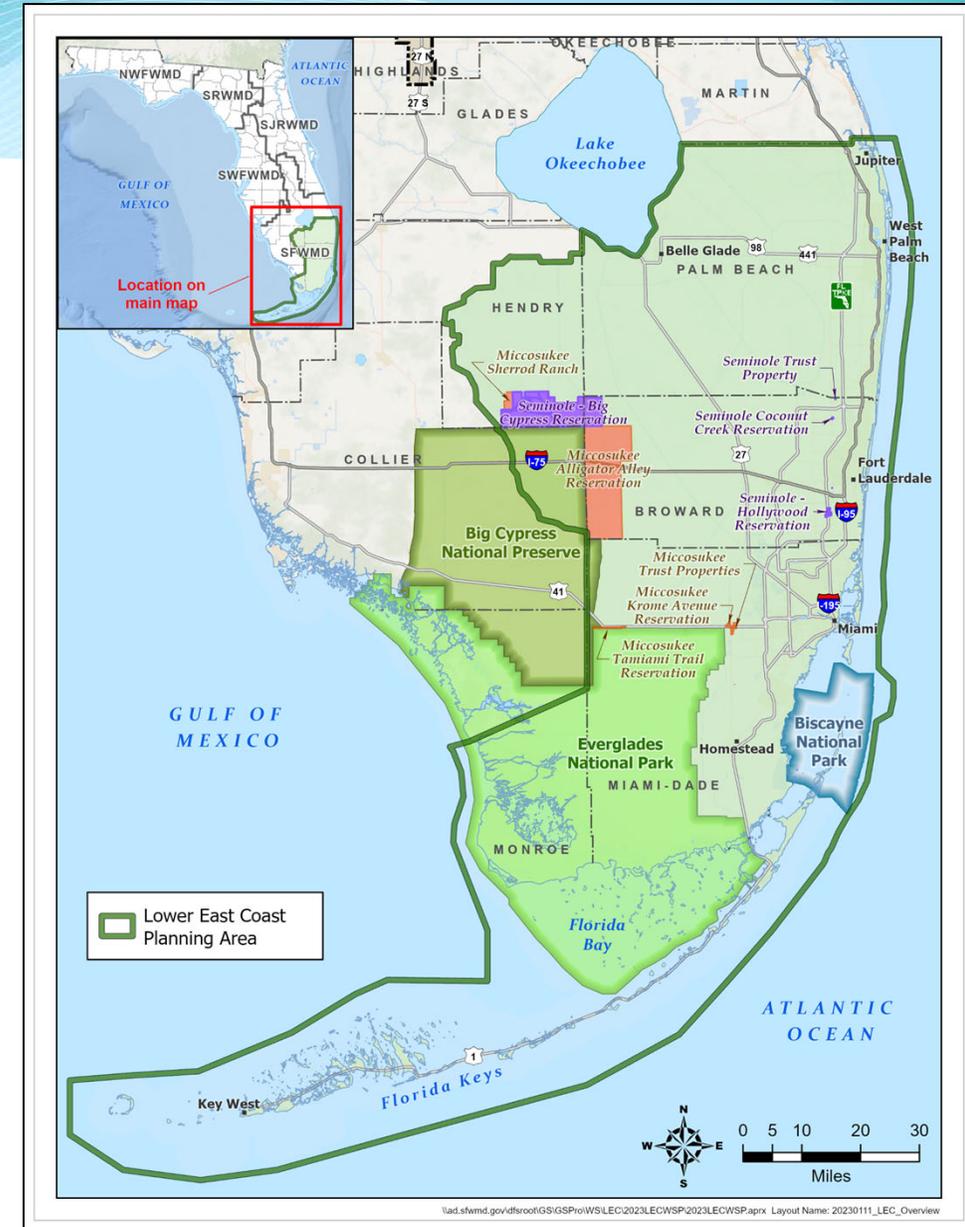
Public Participation

- Three stakeholder workshops
- Discussions with local and tribal governments, agricultural, and utility representatives
- Governing Board updates
- Draft plan documents posted online February and June for public comment

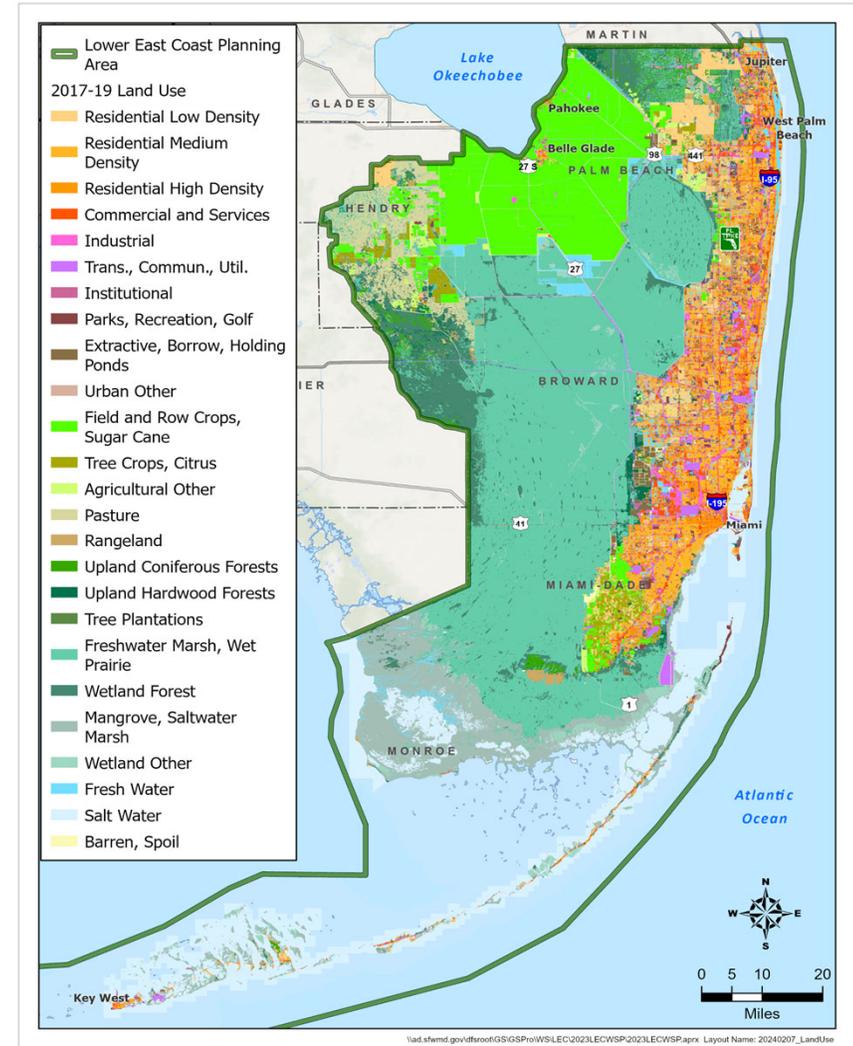
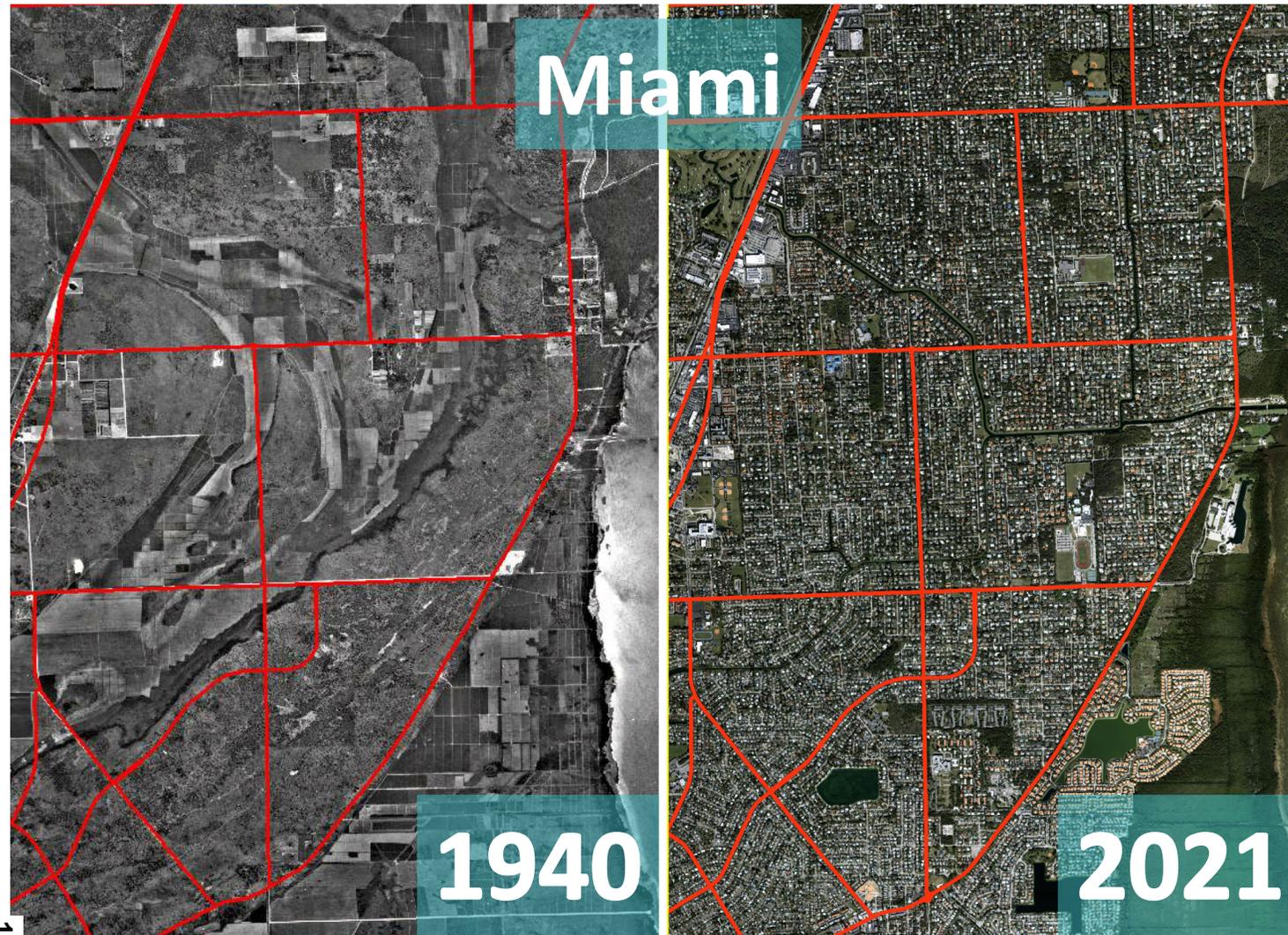


Planning Area

- Palm Beach, Broward, and Miami-Dade counties, most of Monroe County, and the eastern portions of Hendry and Collier counties
- Seminole Tribe of Florida Big Cypress Reservation and Miccosukee Tribe of Indians of Florida multiple reservations
- Growing population
- Major agricultural industry
- Important natural and water resources
 - Lake Okeechobee
 - 2 National Parks: Everglades and Biscayne
 - Loxahatchee River
 - Florida Bay



Land Use



Gross Demand Projections

Population

2021 6,222,707 residents

2045 7,294,265 residents

17% increase



Irrigated agricultural acres

2021 566,162 acres

2045 554,697 acres

2% decrease

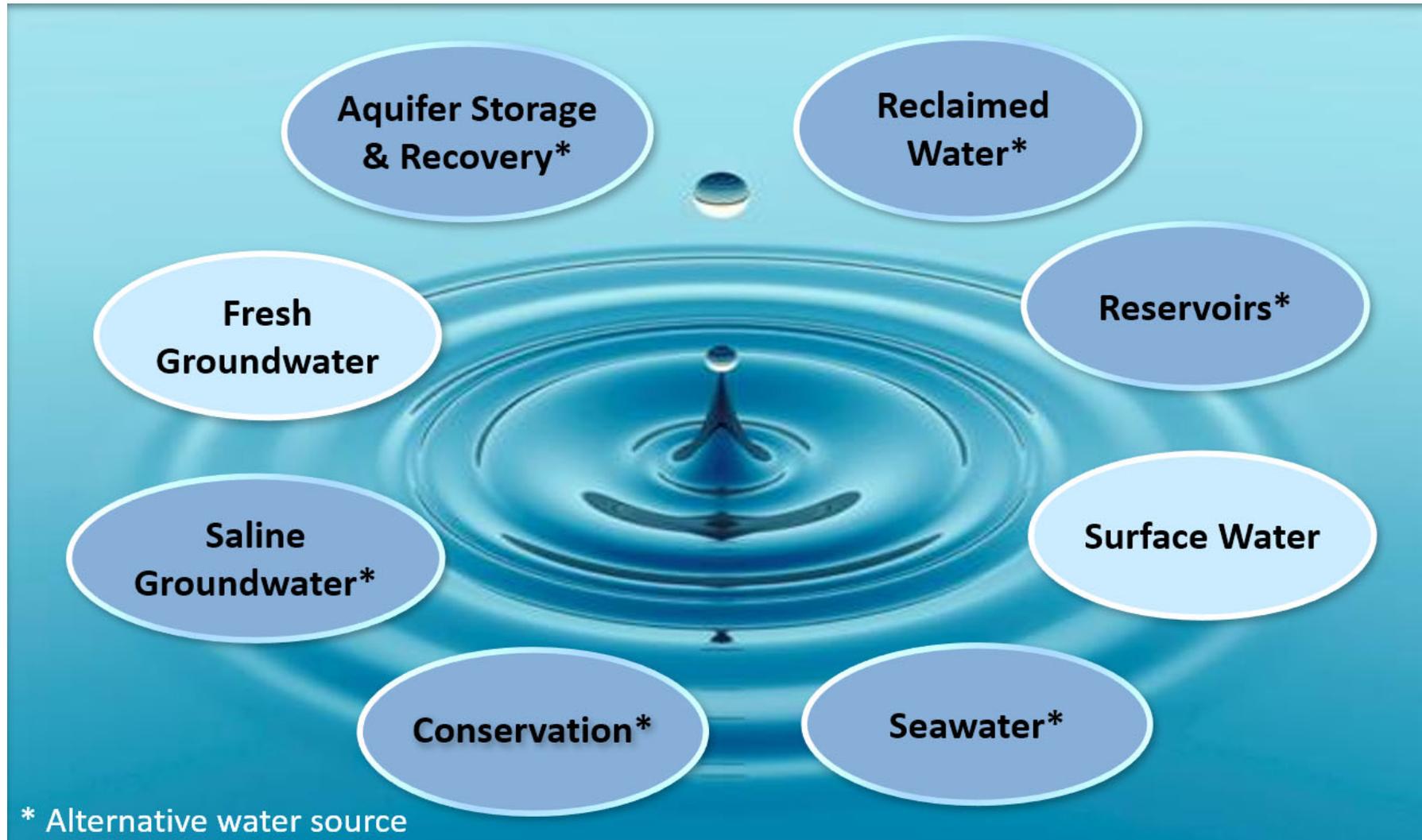


	Public Supply	Domestic Self-Supply	Agriculture	Commercial/ Industrial/ Institutional	Landscape/ Recreational	Power Generation	Total
2021	890.57	10.55	645.20	87.35	178.65	42.20	1,854.52
2045	1,047.19	14.45	637.65	102.56	199.18	62.33	2,063.36

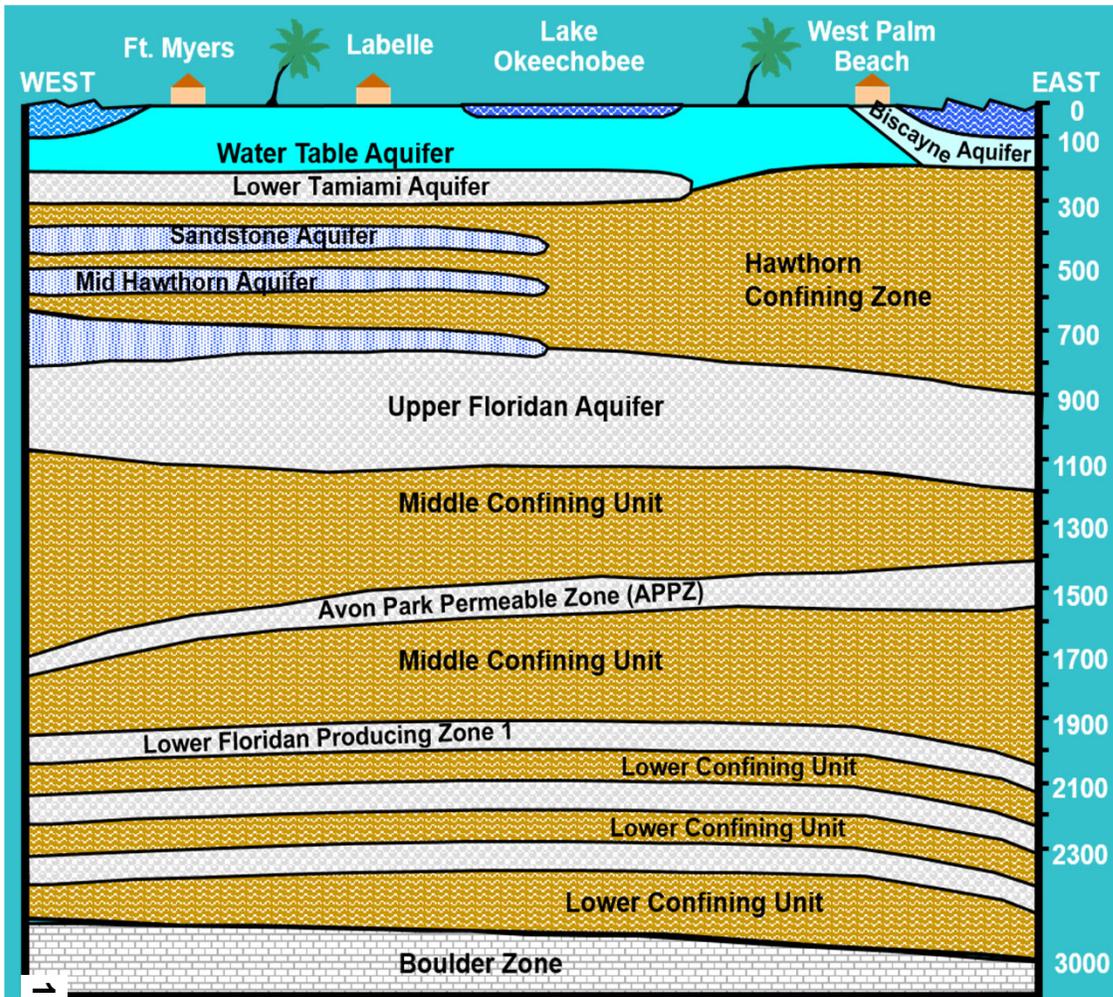
Demands under average rainfall conditions, in million gallons per day.

11% increase in demands from 2021 to 2045

Water Source Options and Alternatives



Groundwater Sources



- Fresh Groundwater (Surficial Aquifer System)
 - Water Table aquifer
 - Biscayne aquifer
 - Lower Tamiami aquifer
- Saline Groundwater (Floridan Aquifer System) (*chloride >250 mg/L*)
 - Upper Floridan aquifer
 - Avon Park Permeable Zone
 - Lower Floridan aquifer
- Seawater (*chloride >19,000 mg/L*)
 - Boulder Zone

Resource Evaluation and Analysis

➤ Data sources

- Water use permit information
- Regulatory limits
- Groundwater level and salinity monitoring data
- Demand estimates and projections

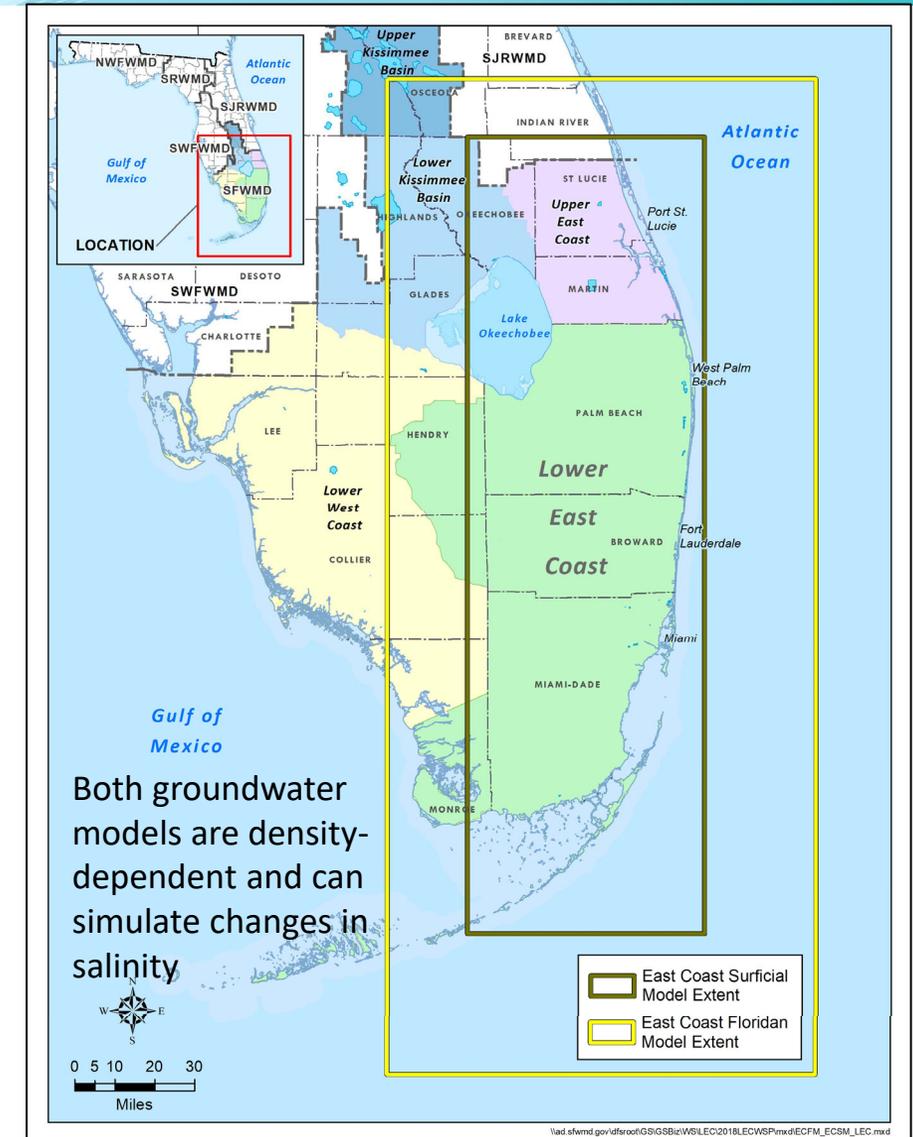
➤ Regional surface water simulation model (RSM)

➤ East Coast Floridan Model (ECFM)

- 2045 demands similar in magnitude to the 2040 demands in 2018 Plan Update
- Previous demand simulations still representative

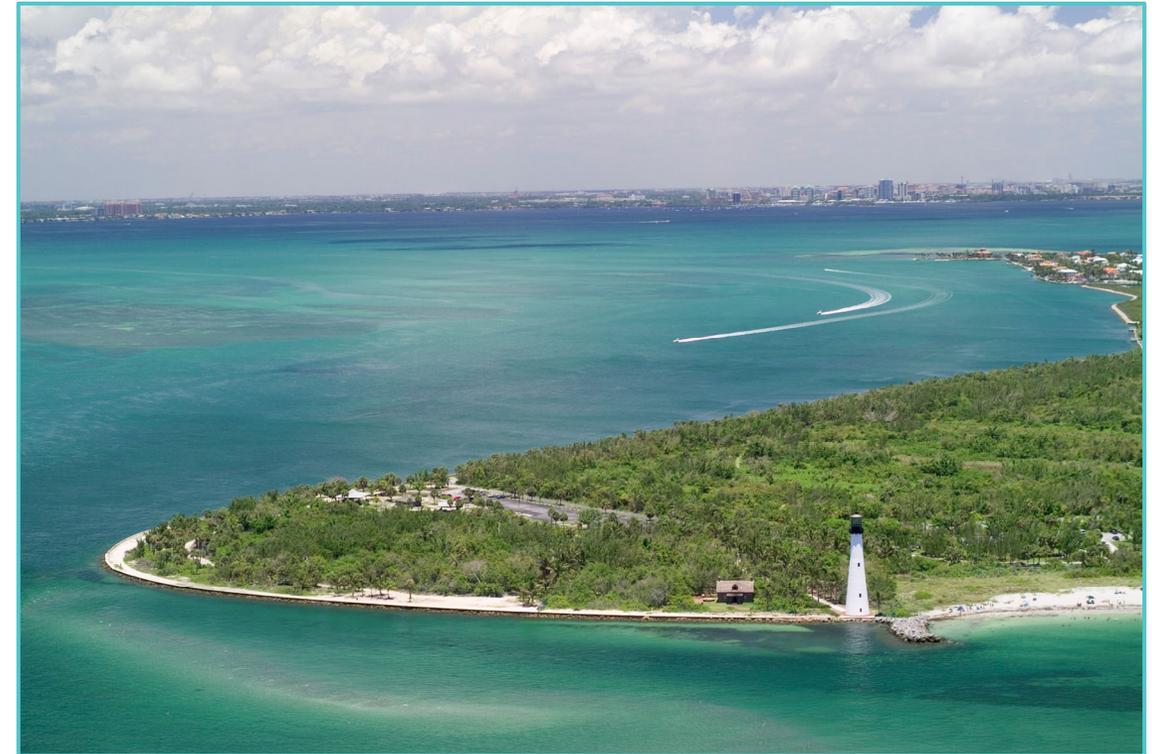
➤ East Coast Surficial Model (ECSM)

- Under development
- Simulations results will be shared when completed



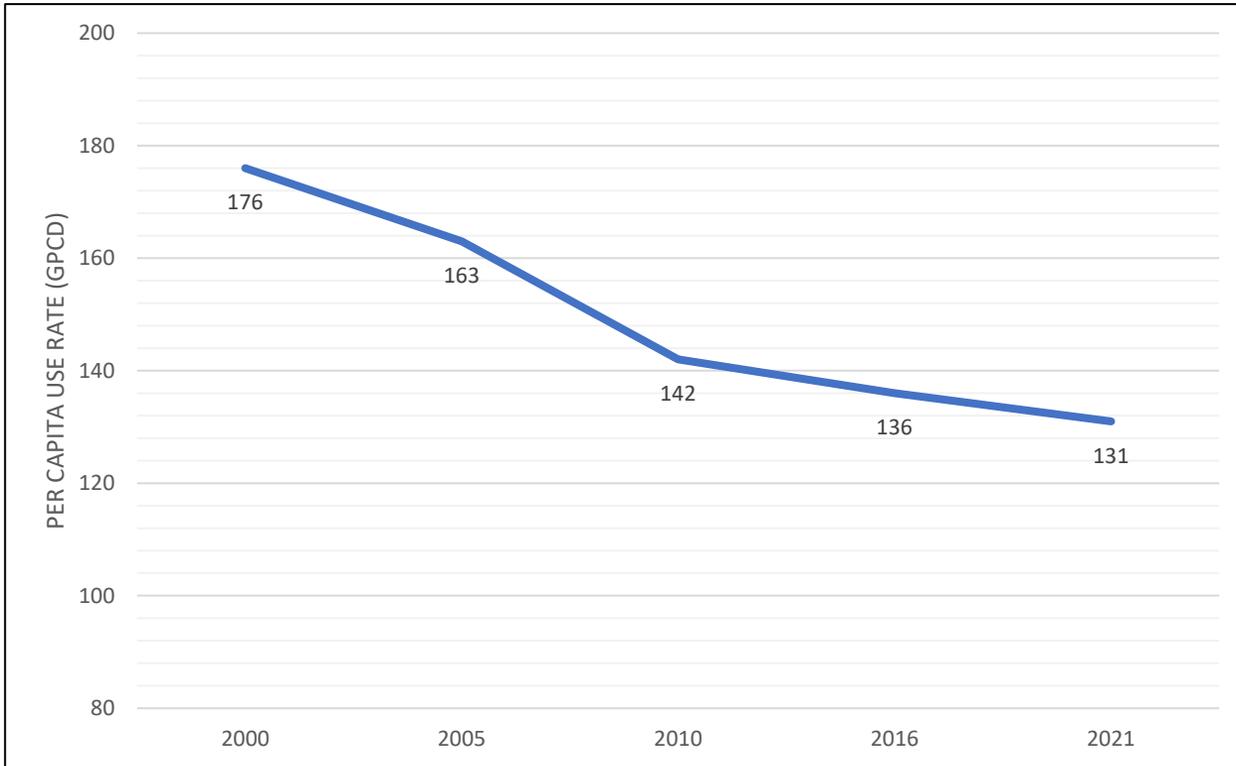
Water Resource Considerations

- Withdrawals from the shallow aquifers are limited due to potential harm to natural systems and saltwater intrusion
- Regulatory limitations on surface water availability
 - Lake Okeechobee Service Area
 - Freshwater discharges affecting coastal resources
 - Timing and volume of flows
- Long-term availability of the Floridan aquifer system
- Climate change and sea level rise



Biscayne Bay, Bill Baggs Cape State Park

LEC Water Conservation



➤ Public supply

- Indoor and outdoor programs
- Conservation rate structures

➤ Public supply per capita use rate (gallons per capita per day)

2000	176	➤ 26% decrease
2021	131	

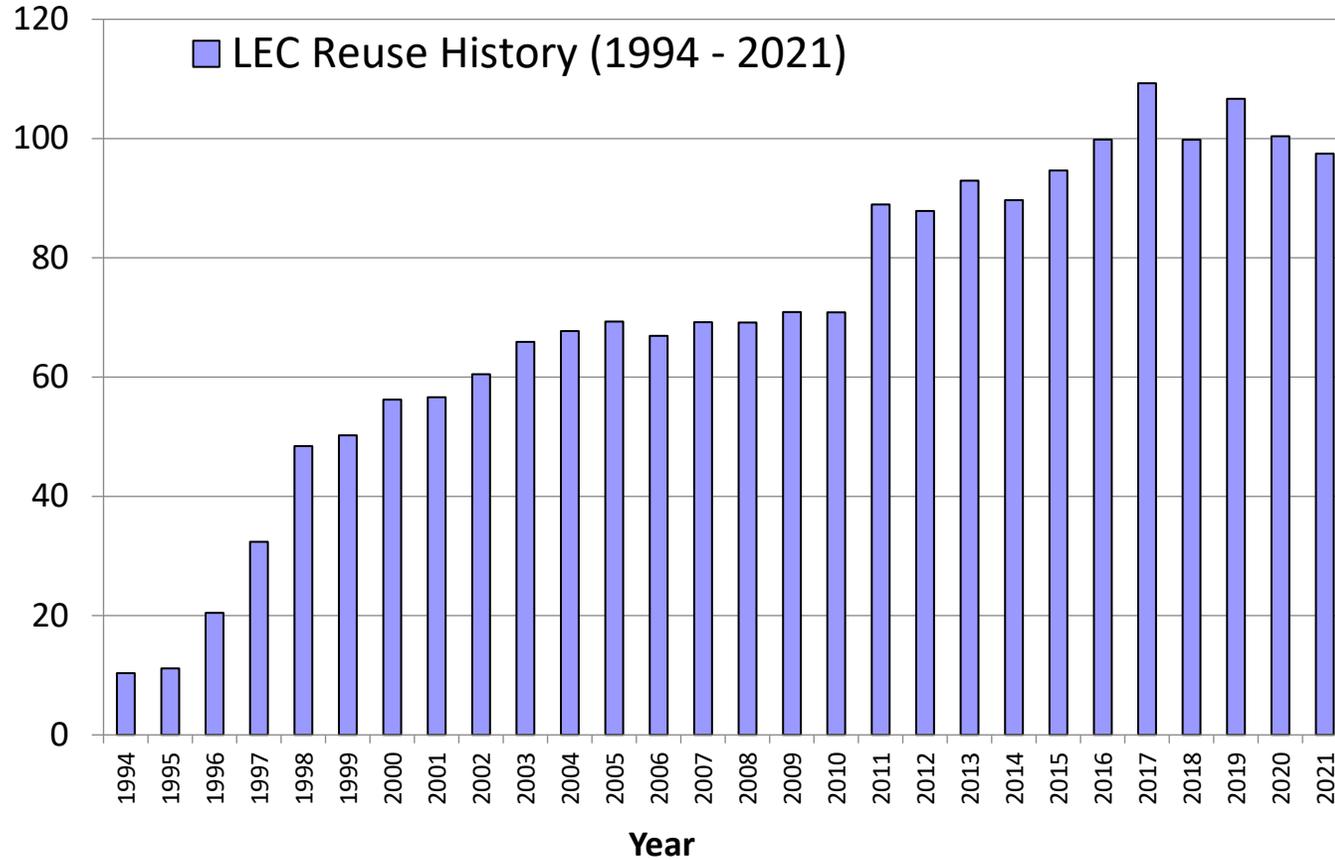
➤ Potential conservation savings of 62 mgd through 2045

- Urban 46 mgd
- Agriculture 16 mgd*

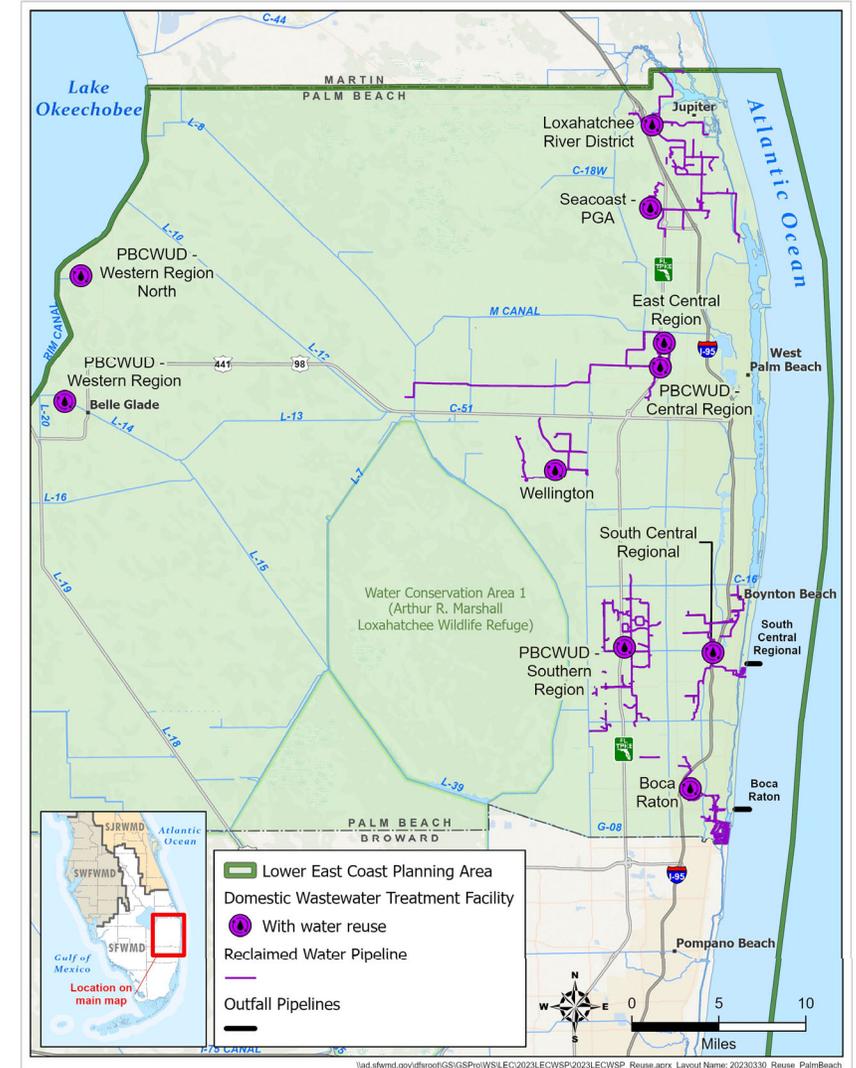
*estimated by FDACS

The cheapest gallon of water is the gallon we don't use.

Reclaimed Water Usage



14% of wastewater in LEC was reused in 2021

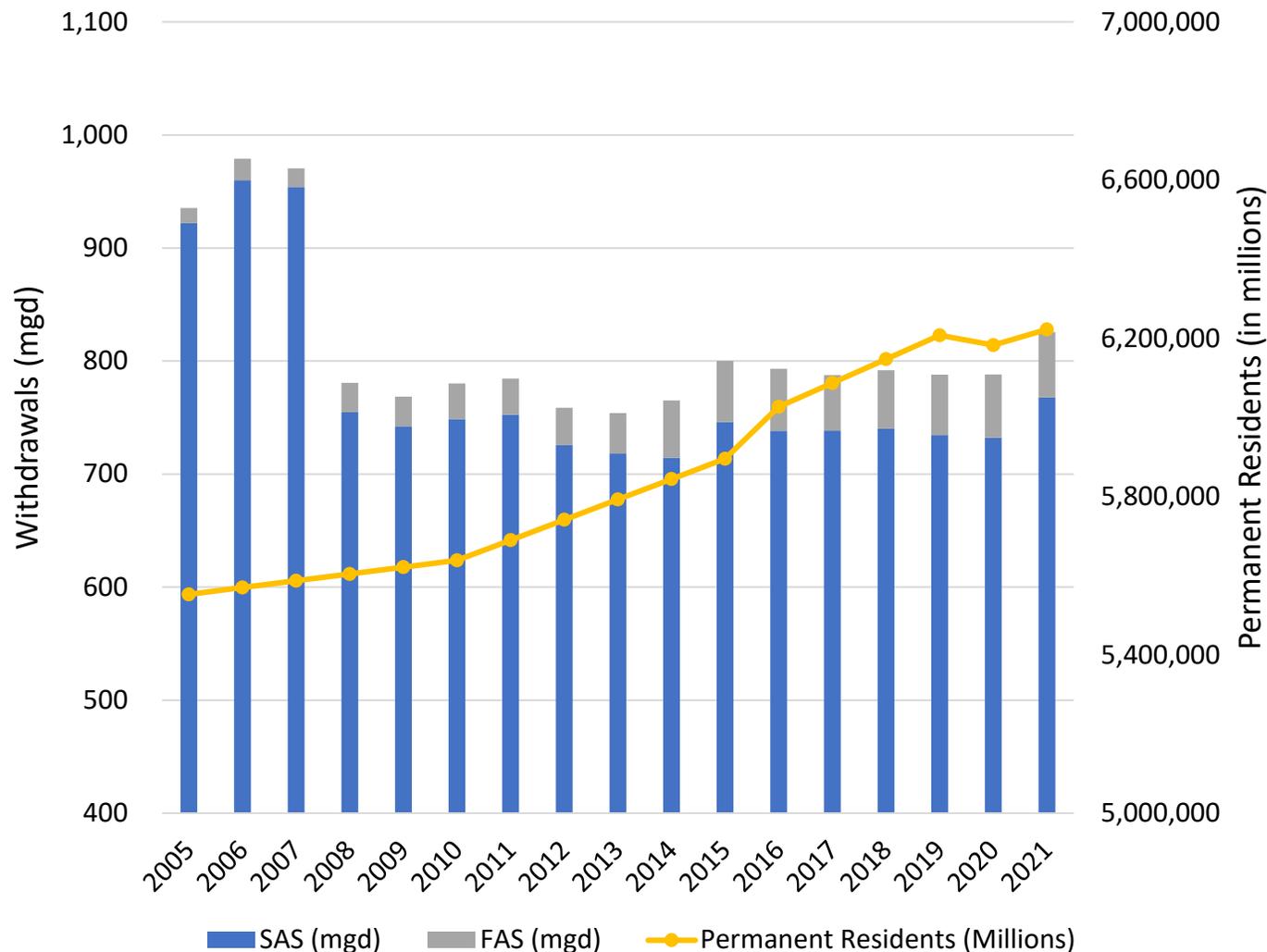


Public Supply Groundwater Use

Historic Trends:

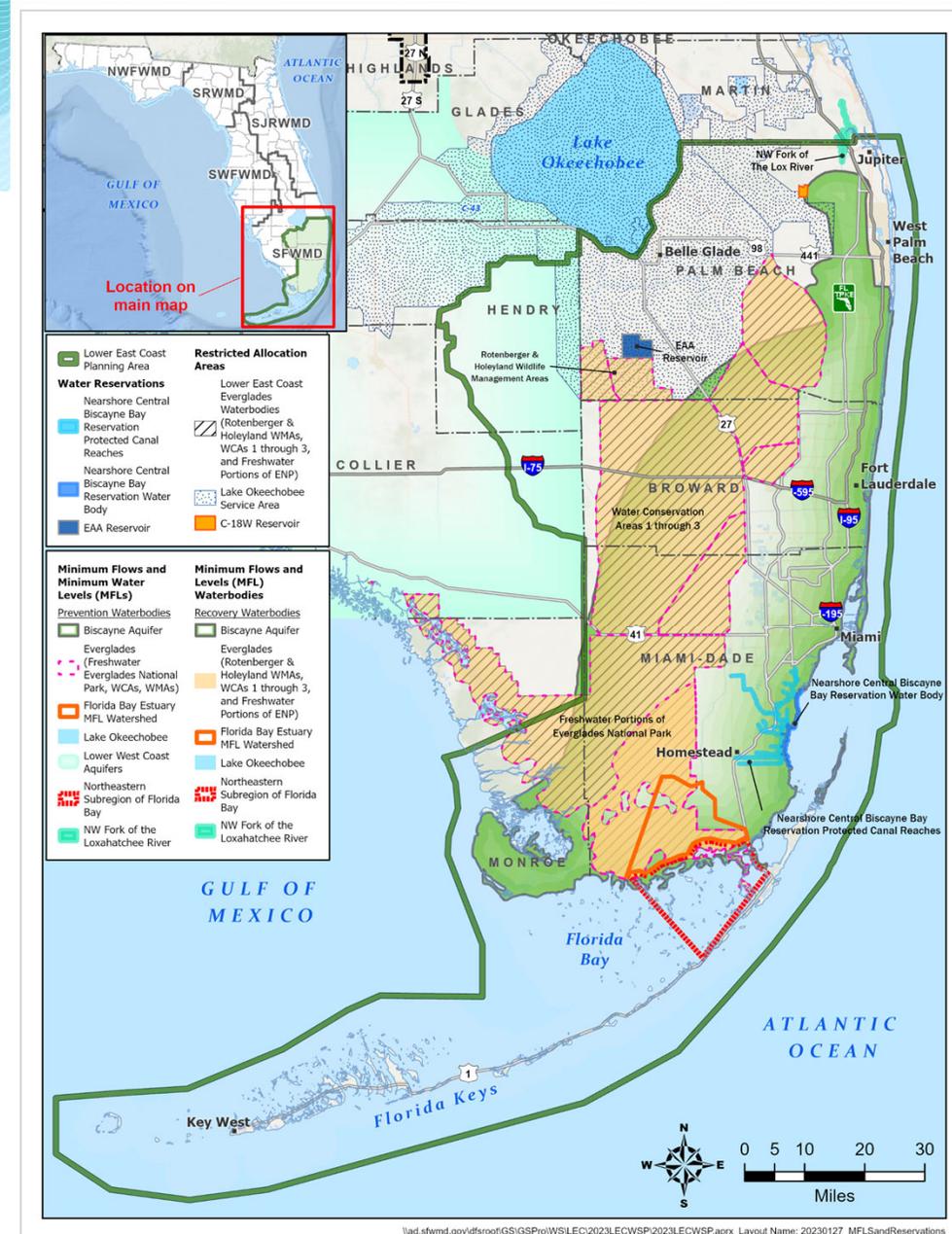
- Conservation, reclaimed water and source diversification have been beneficial
- Surficial aquifer system (SAS) use has remained stable
- Floridan aquifer system (FAS) use has increased to supply population growth

Population increased 11% while withdrawals increased only 6% since 2008



Water Resource Protection

- Water Use Permitting Criteria
- Restricted Allocation Areas (RAA)
 - L-1, L-2, and L-3 Canal System
 - North Palm Beach County/Loxahatchee River Watershed Waterbodies
 - Lower East Coast Everglades Waterbodies
 - Lake Okeechobee Service Area
 - ASR Storage Horizon Near the C-18W Reservoir
- Water Reservations
 - Nearshore Central Biscayne Bay/Canal Reaches
 - EAA Reservoir



Water Resource Protection

(cont.)

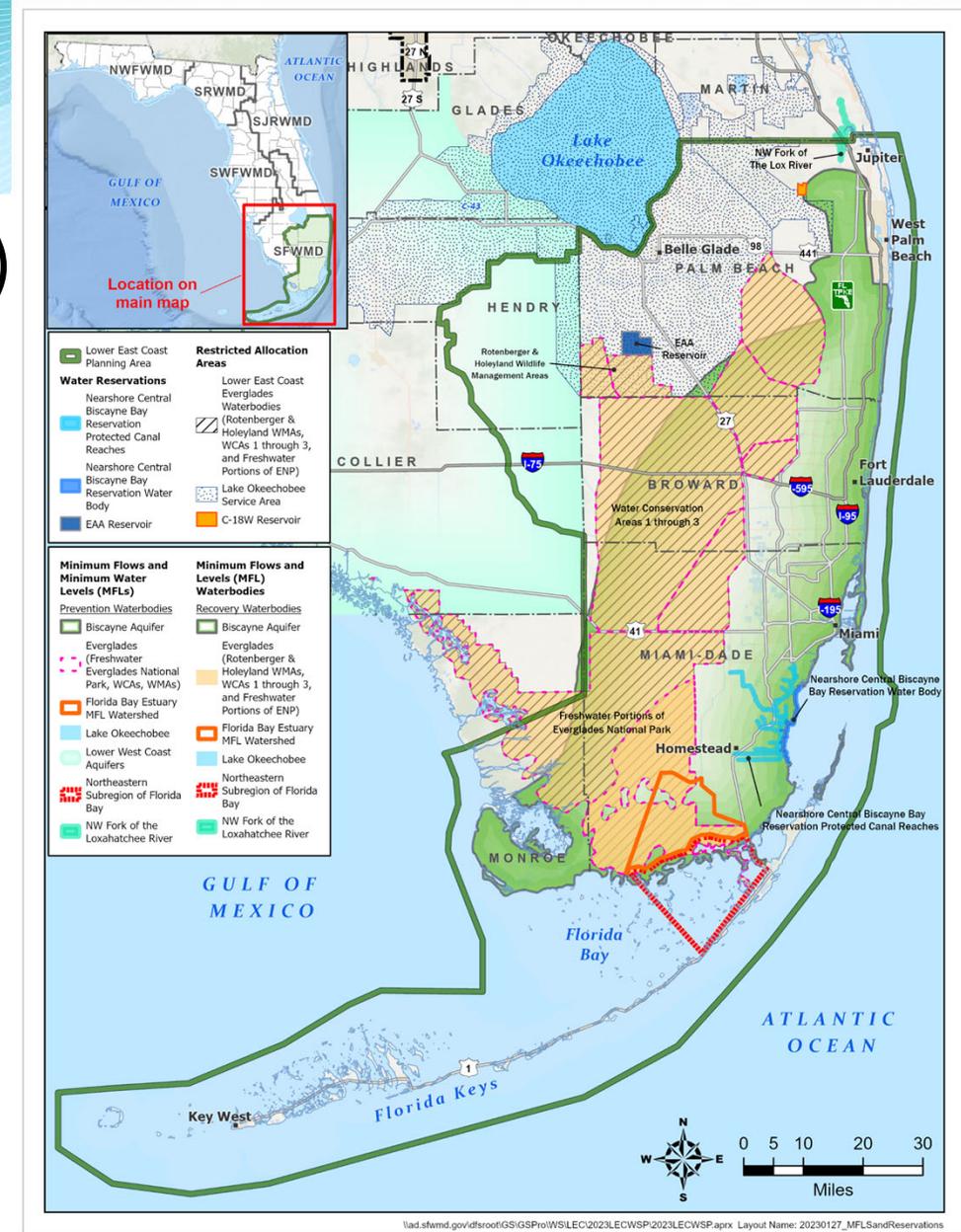
Minimum Flows and Minimum Water Levels (MFL)

➤ Recovery Strategy Waterbodies

- Lake Okeechobee
- Everglades
- Northwest Fork of the Loxahatchee River

➤ Prevention Strategy Waterbodies

- Florida Bay
- Biscayne aquifer
- Lower West Coast aquifers
 - Hendry and Collier counties within the LEC



Considerations for 2023-2024 LEC Plan

Lake Okeechobee MFL Recovery Strategy

- Record of Decision for LOSOM is pending
 - Analysis of selected LOSOM schedule indicates the MFL will remain in recovery phase
- Executive Order 23-06, Achieve Even More Now for Florida's Environment
 - Directs SFWMD to develop additional storage north of Lake Okeechobee
 - District advancing Component A Reservoir (LOCAR) planning process under federal Section 203 authority
- Additional capital projects are being planned and constructed
 - Includes storage north and south of the Lake and other approved projects

Proposed Lake Okeechobee MFL Revised Recovery Strategy

1. Environmental enhancement projects to be implemented during extreme low lake stages
 - *Native vegetation planting, sediment scraping, prescribed burns, etc.*
2. Regulatory criteria for consumptive uses of lake water
 - *Lake Okeechobee Service Area (LOSA) RAA Rule*
3. Water shortage restrictions
 - *Phases 1 through 4 as needed*
4. Capital projects in support of MFL recovery strategy
 - *Lake Okeechobee Component A Reservoir (LOCAR)*
 - *Lake Okeechobee Watershed Restoration Project (55 ASR wells)*
 - *Central Everglades Planning Project (CEPP) A-2 Reservoir and STA*
 - *CERP Component F – future LOSOM updates*

Draft Plan Conclusion

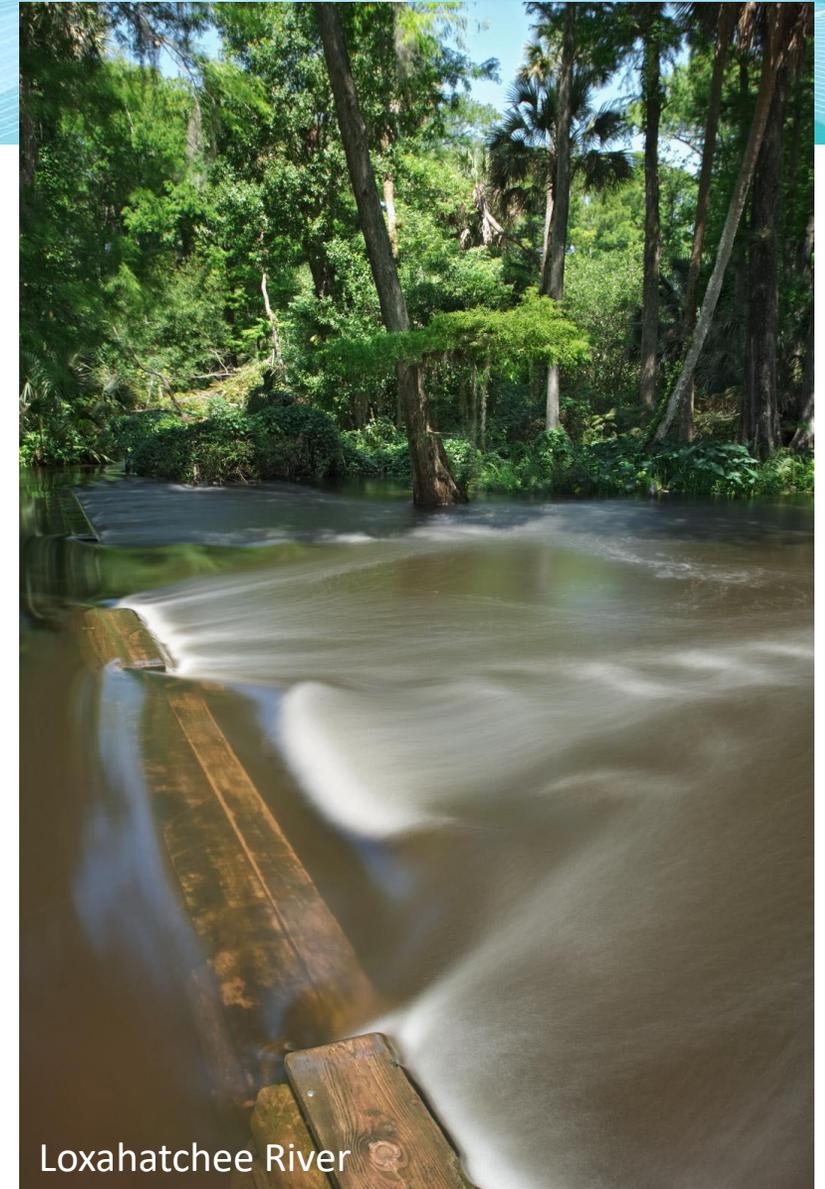


The future water supply and ecosystem needs of the region can continue to be met through the 2045 planning horizon with appropriate management, conservation, and implementation of projects in this plan.

- Construction of water supply development projects by Public Supply utilities
- Implementation of CERP storage and other ecosystem restoration projects including projects identified in MFL prevention and recovery strategies

Future Direction

- Continue implementation of:
 - Aquifer monitoring programs
 - Water conservation programs
 - Alternative water supply development projects
 - CERP and other ecosystem restoration projects
- Implement long-term management measures for the FAS in coordination with utilities
- Evaluate, monitor, and design solutions in response to sea level rise and climate trends
- Coordinate with other agencies, local and tribal governments, and utilities on water supply elements



Loxahatchee River

Regional and Local Planning Linkage

After the District Governing Board approves the water supply plan update:

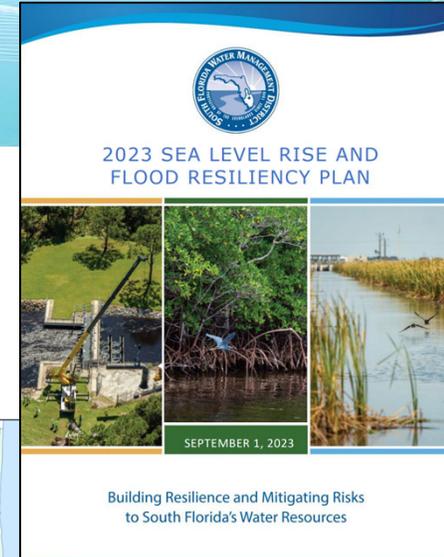
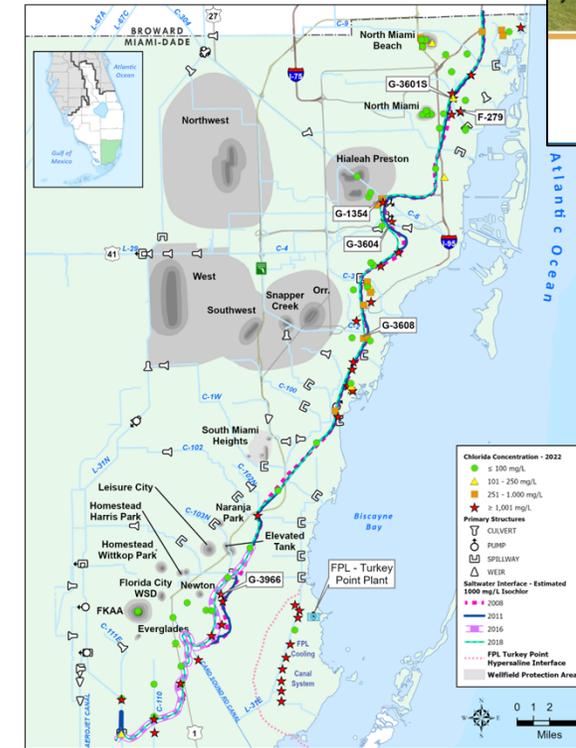
- All local governments must amend their Comprehensive Plan to update their Water Supply Facilities Work Plan within 18 months of the plan update's approval
- Utilities identify the projects to be developed
- Utility annual progress reports due in November



Miami - Biscayne Bay

Long-term Water Supply Vulnerability Assessment

- 50-year look ahead
- Changing conditions
 - Increased demands
 - Rainfall patterns & Evapotranspiration
 - Sea level rise
- The SFWMD is preparing by:
 - Conducting research
 - Developing ECSM groundwater simulations
- Identify overall water supply vulnerabilities including saltwater intrusion in coastal wellfields



Website: <https://www.sfwmd.gov/our-work/district-resiliency>

Next Steps/Questions

- *February 7/June 25* *Posted draft documents*
- July 11 Draft Plan to Governing Board
- July 12 Stakeholder meeting #3
- **July 31** **Deadline for Written Public Comments**
- September 12 Final plan to Governing Board for consideration

Water and Ecological Conditions Summary

South Florida Water Management District Governing Board Meeting July 11, 2024

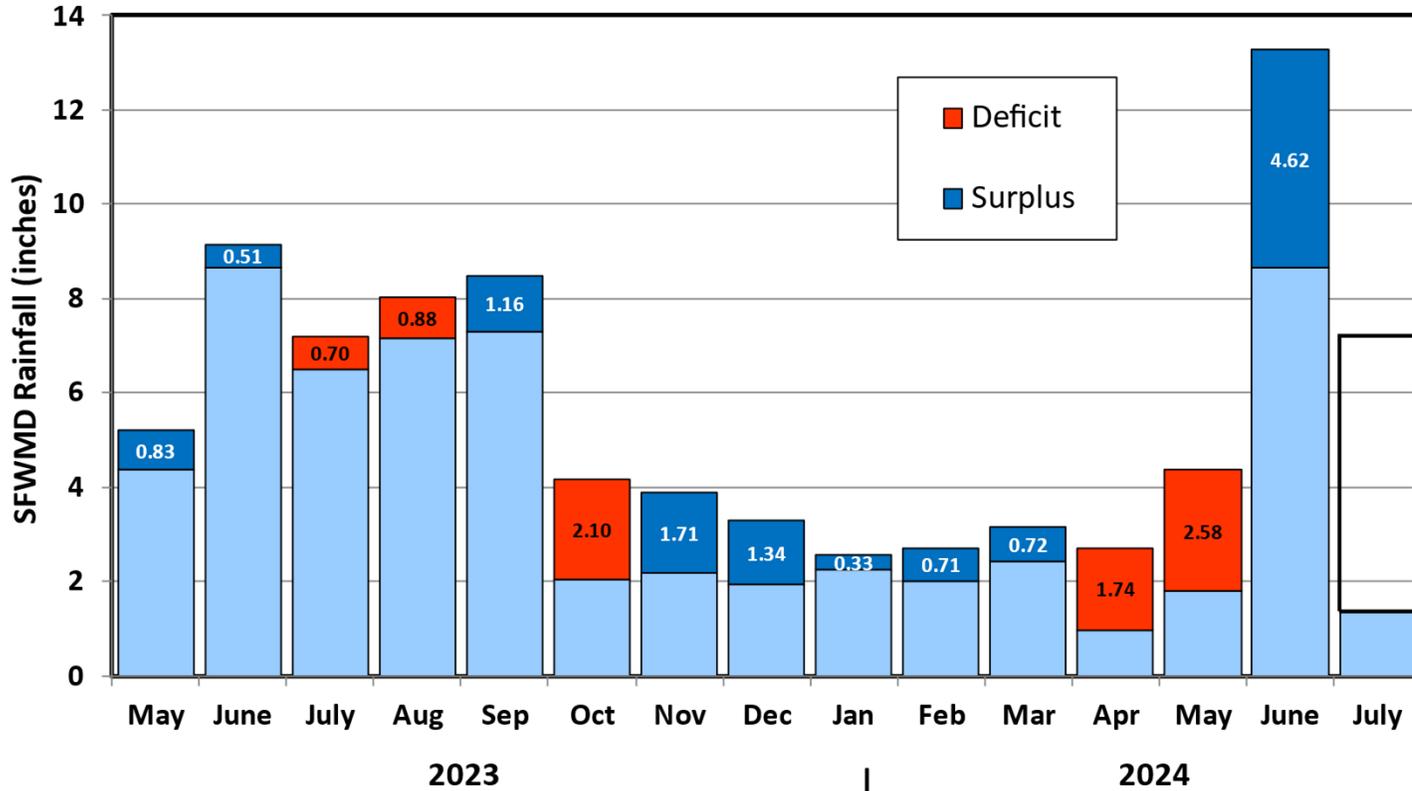


John P. Mitnik, PE
Chief District Engineer
Assistant Executive Director



Lawrence Glenn
Division Director
Water Resources

SFWMD Rainfall Distribution Comparison (May 2023 - July 2024)



Dry-Season Rainfall

- Total rainfall 98% of normal since the start of the 2023-24 dry season (01 Oct)
- Oct was dry (~20th percentile)
- Nov – Mar were wet (avg. 70th percentile) due to a strong El Niño
- April was dry (~15th percentile)

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

2023 WET SEASON

- Started 5/14/2023 ended 9/30/2023
- May, June and September were above Normal
- July and August were below Normal
- 8% above Normal overall

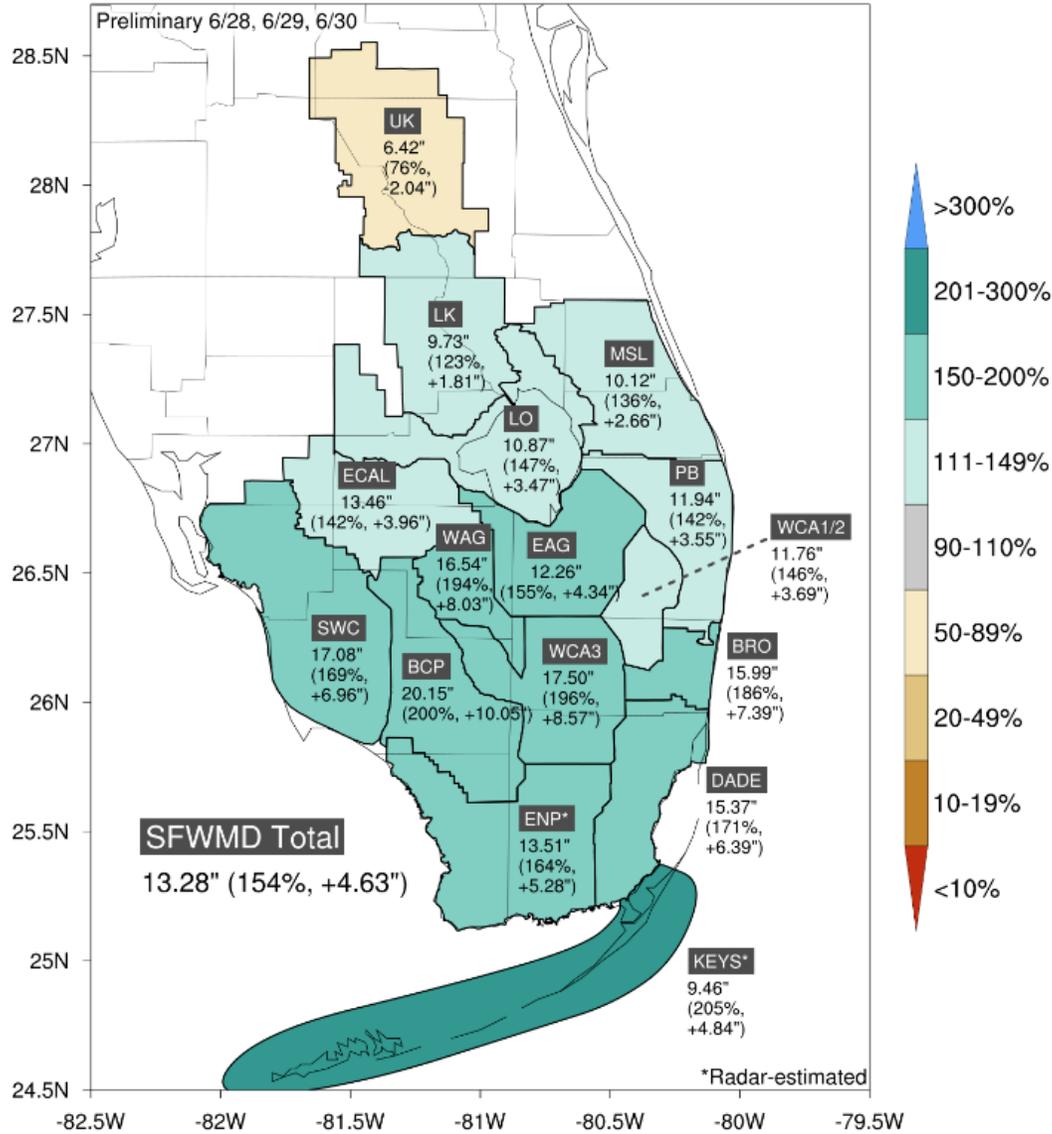
2023-2024 DRY SEASON

- Started 10/01/2023 ended 5/12/2024
- October 2023 and April 2024 were extremely dry
- Large isolated rainfall events November to March
- November 2023 through March 2024 above normal

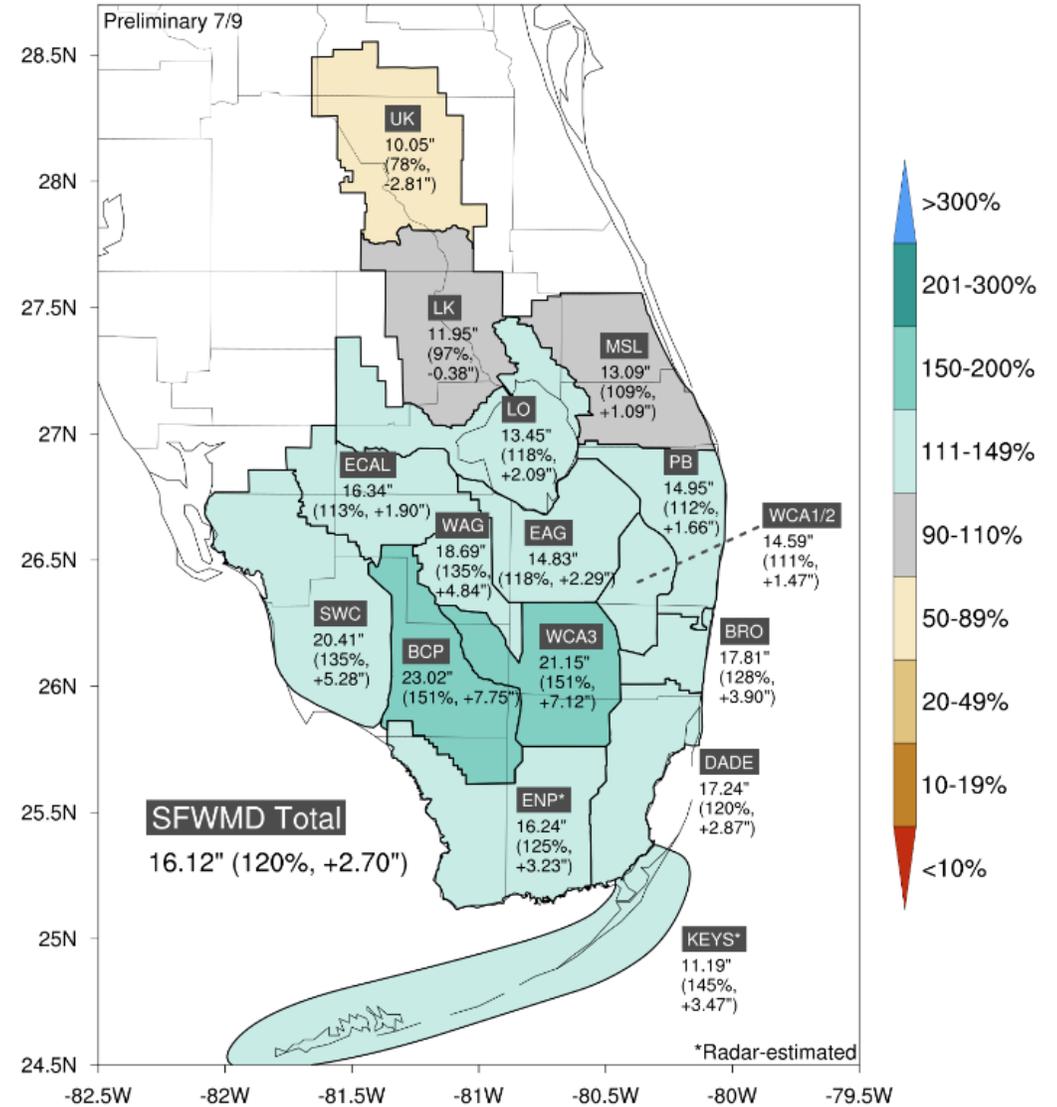
2023 WET SEASON

- Started 5/13/2023
- May was extremely dry (41% normal)
- June was 150% of normal
- Most of the rain falling Jun. 10 to 14

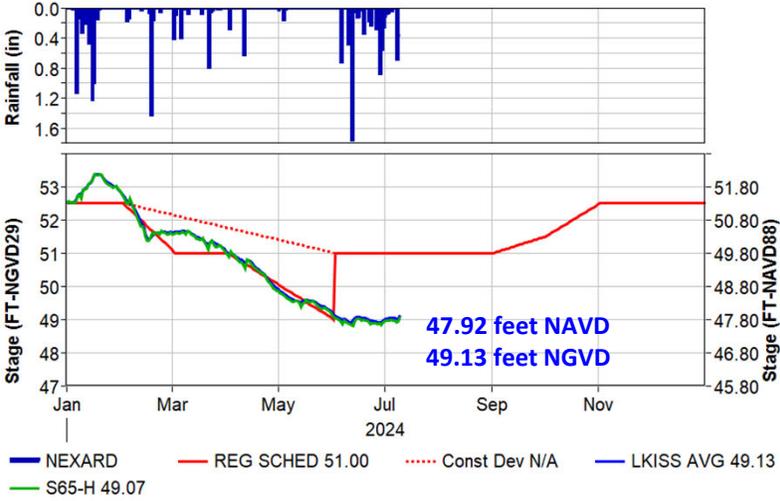
June 2024 (6/1/24 to 6/30/24)
 Rainfall, Percent of Normal, and Departures



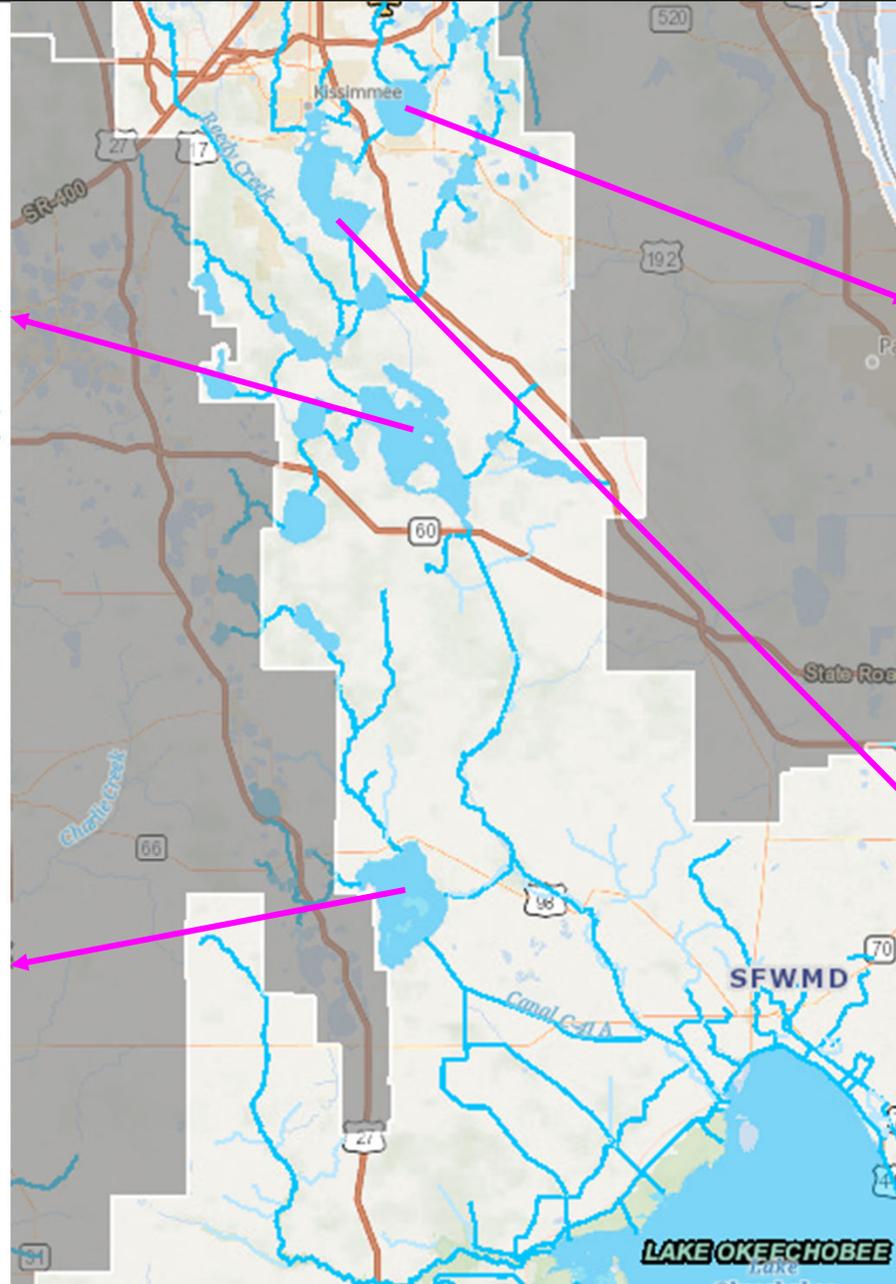
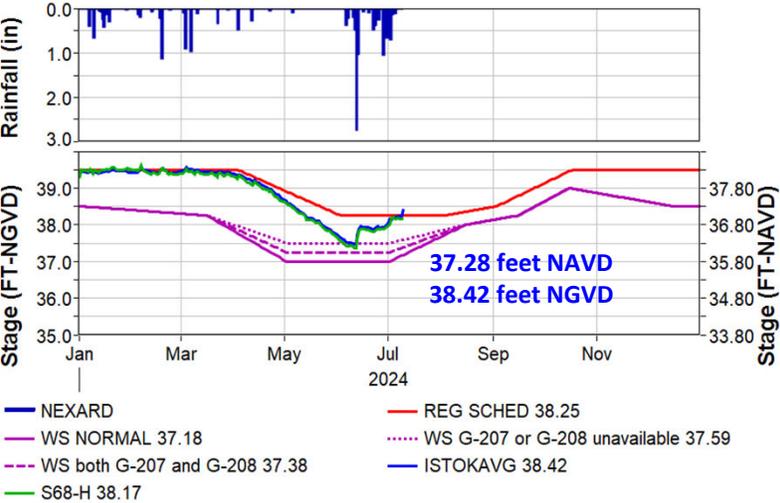
2024 Dynamic Wet Season (5/13/24 to 7/9/24)
 Rainfall, Percent of Normal, and Departures



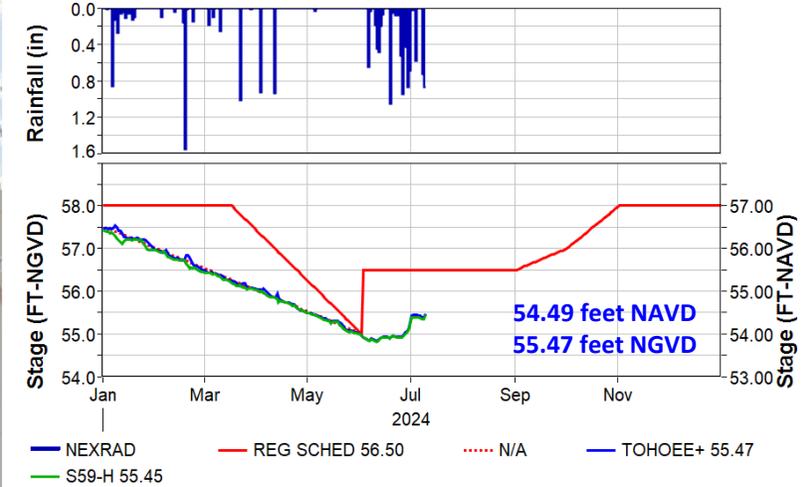
Lake Kissimmee (09 July 2024)



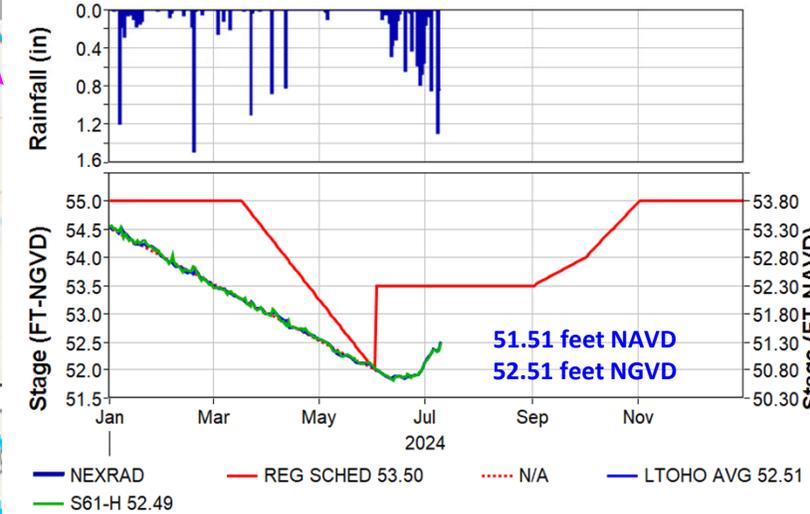
Lake Istokpoga (09 July 2024)



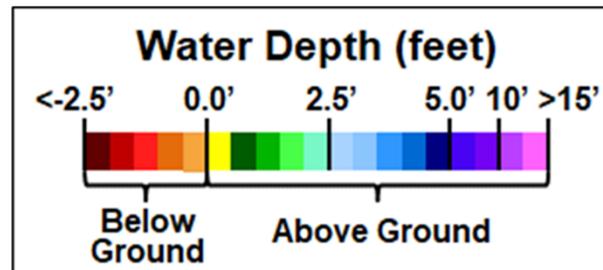
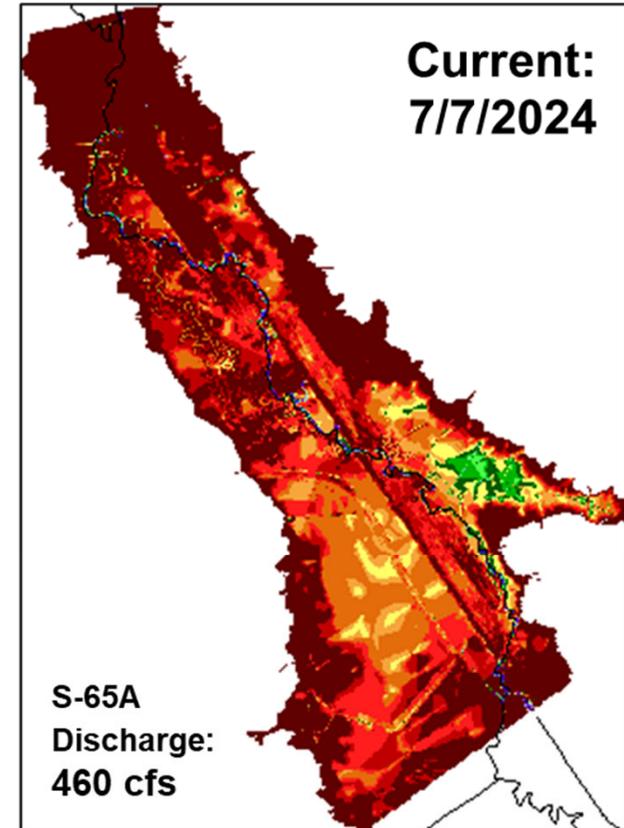
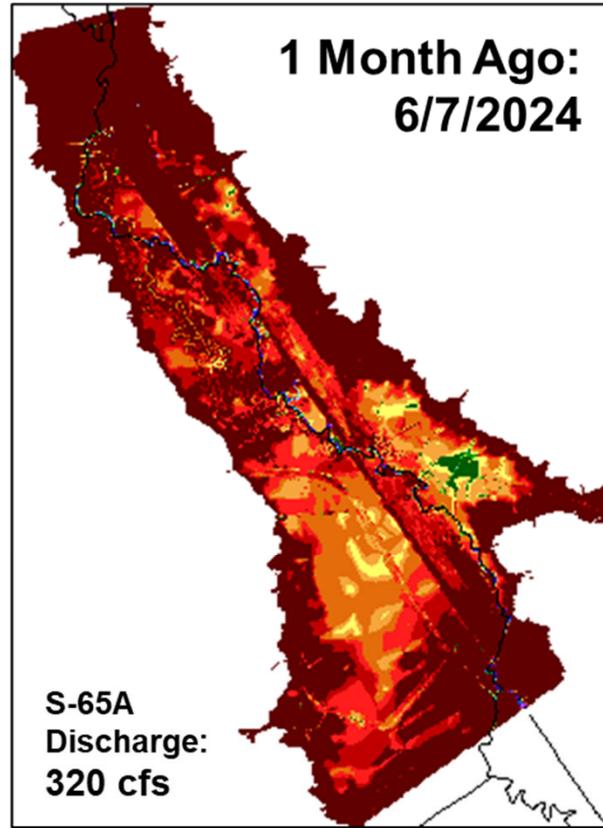
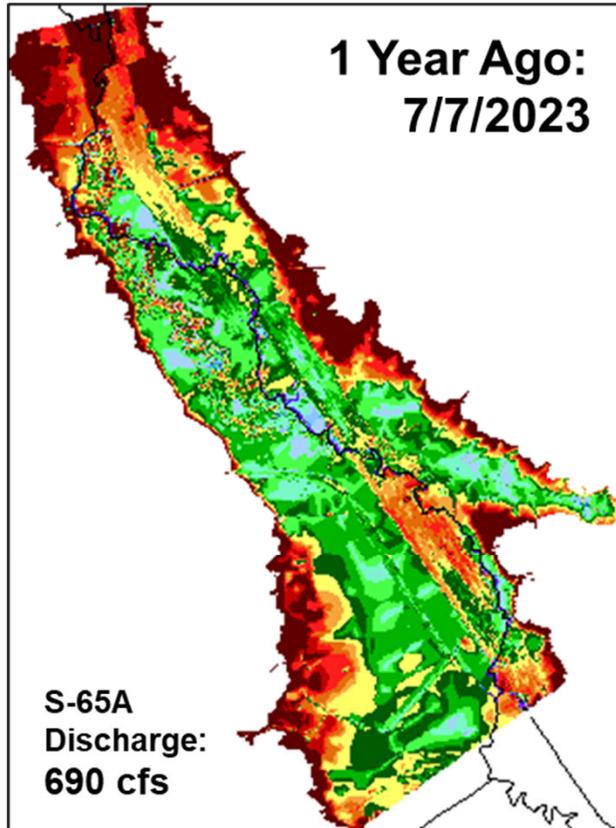
Lake East Tohopekaliga (09 July 2024)



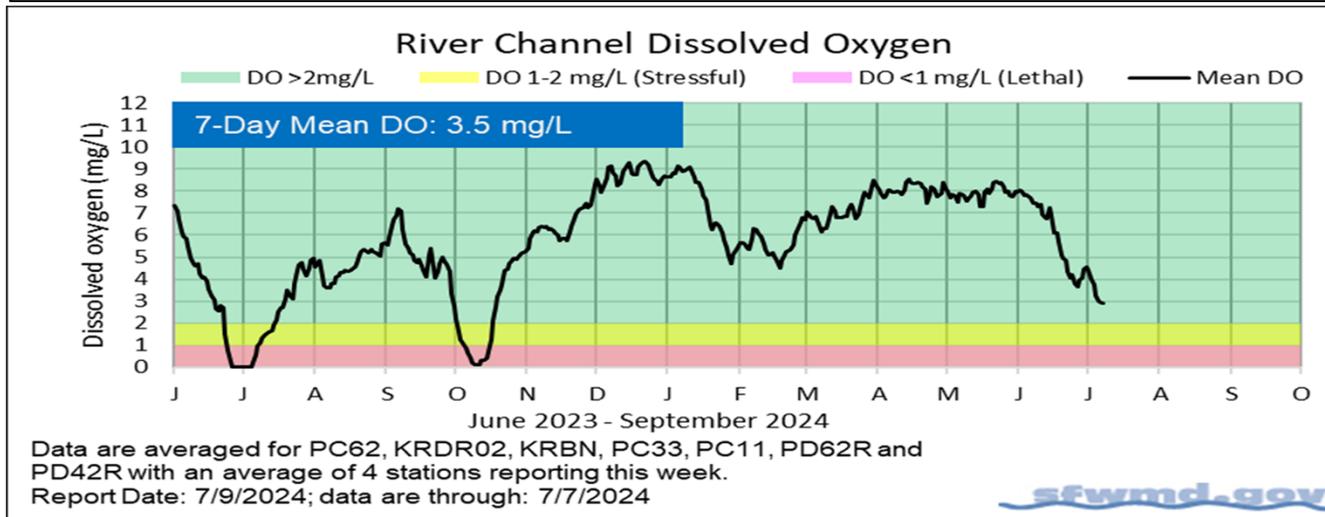
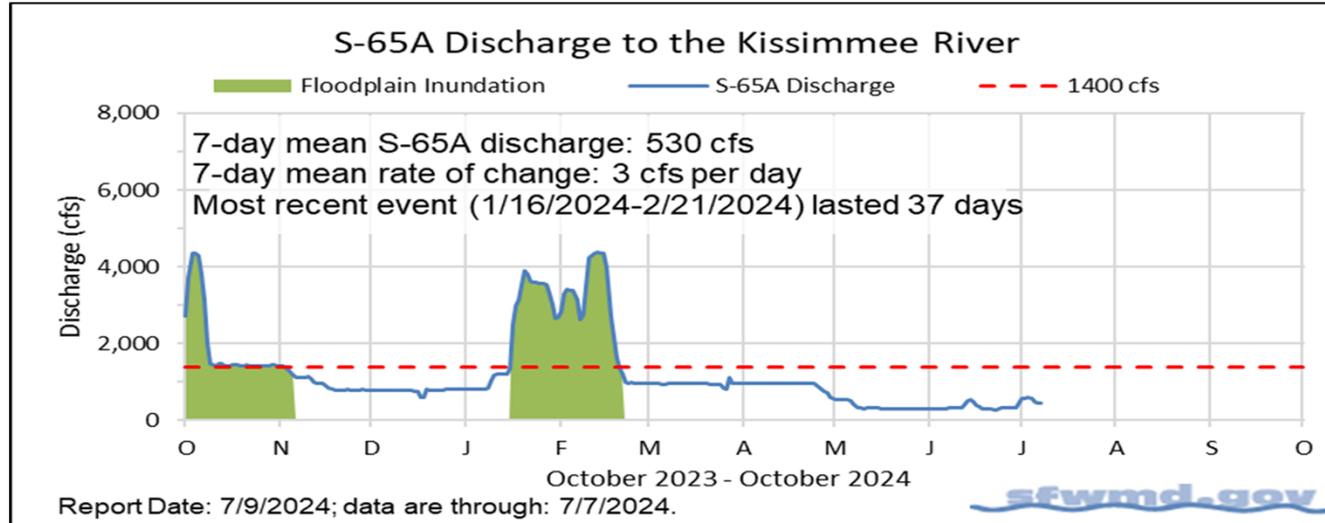
Lake Tohopekaliga (09 July 2024)



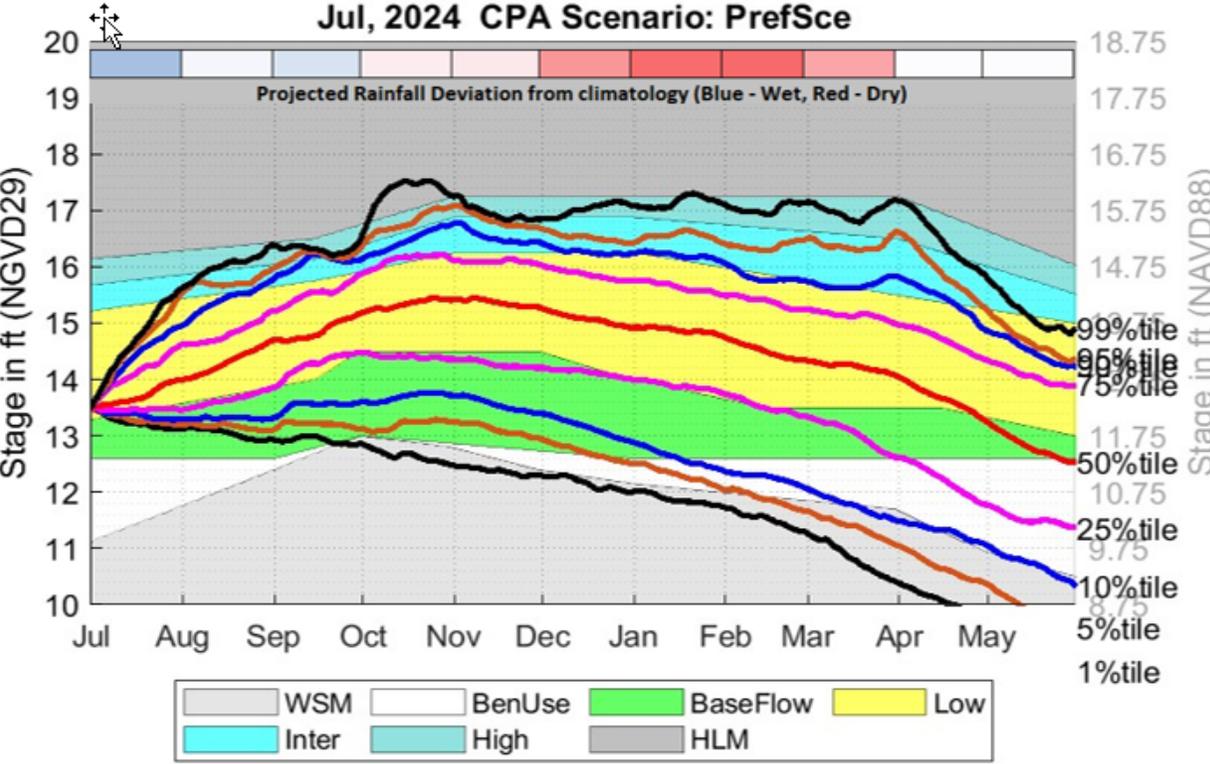
Kissimmee River Floodplain Inundation



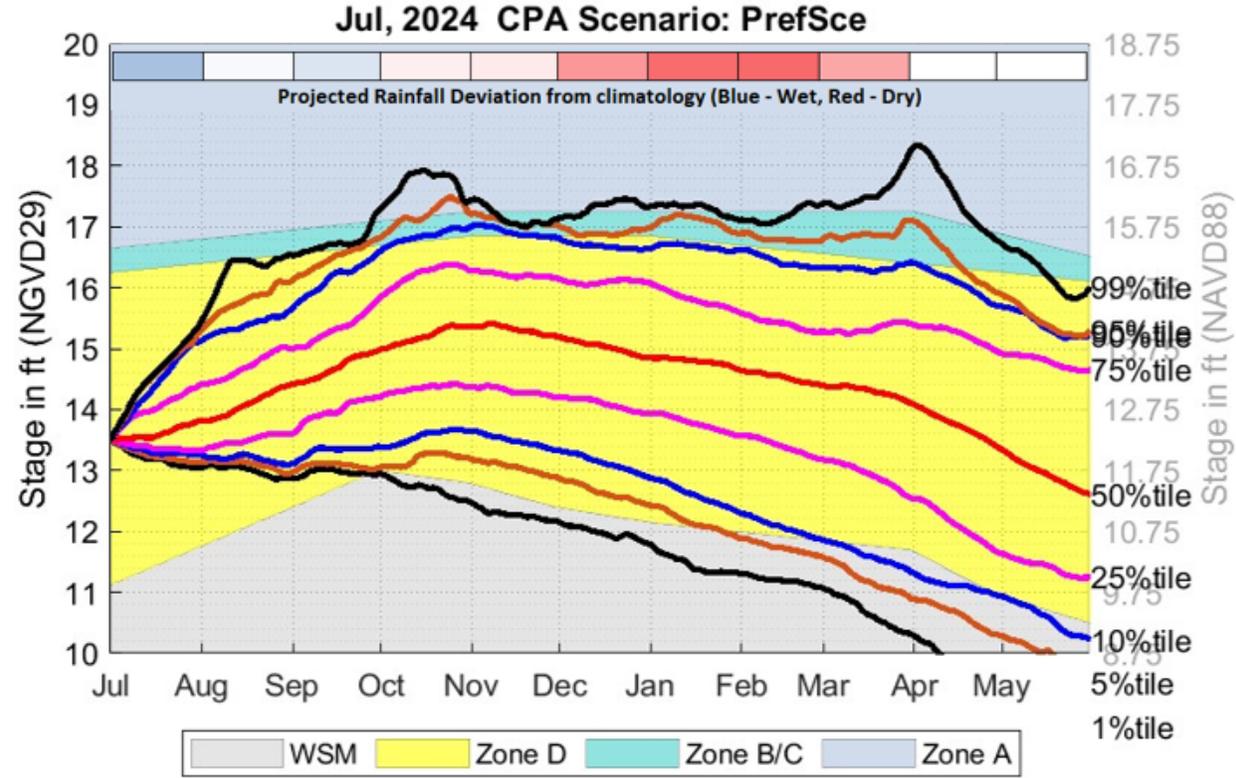
Kissimmee River Discharge and Dissolved Oxygen



Conditional Position Analysis (CPA)



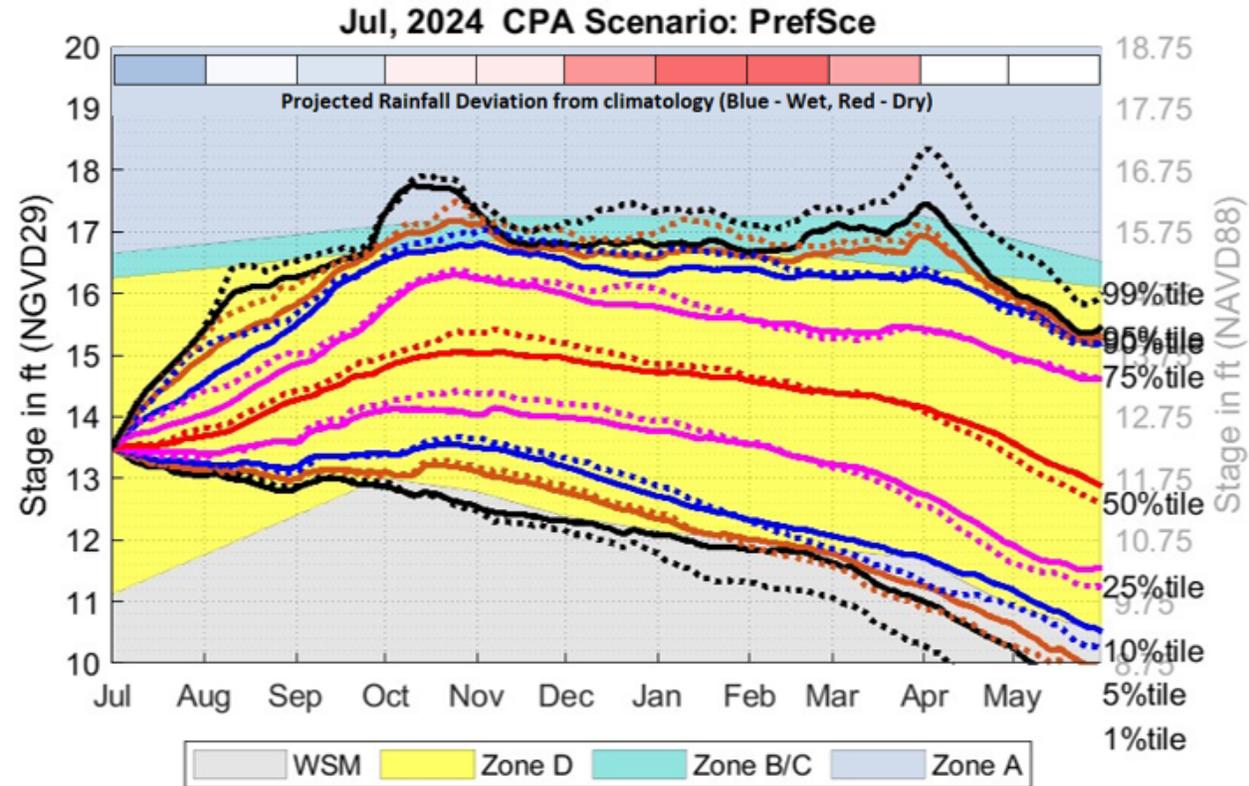
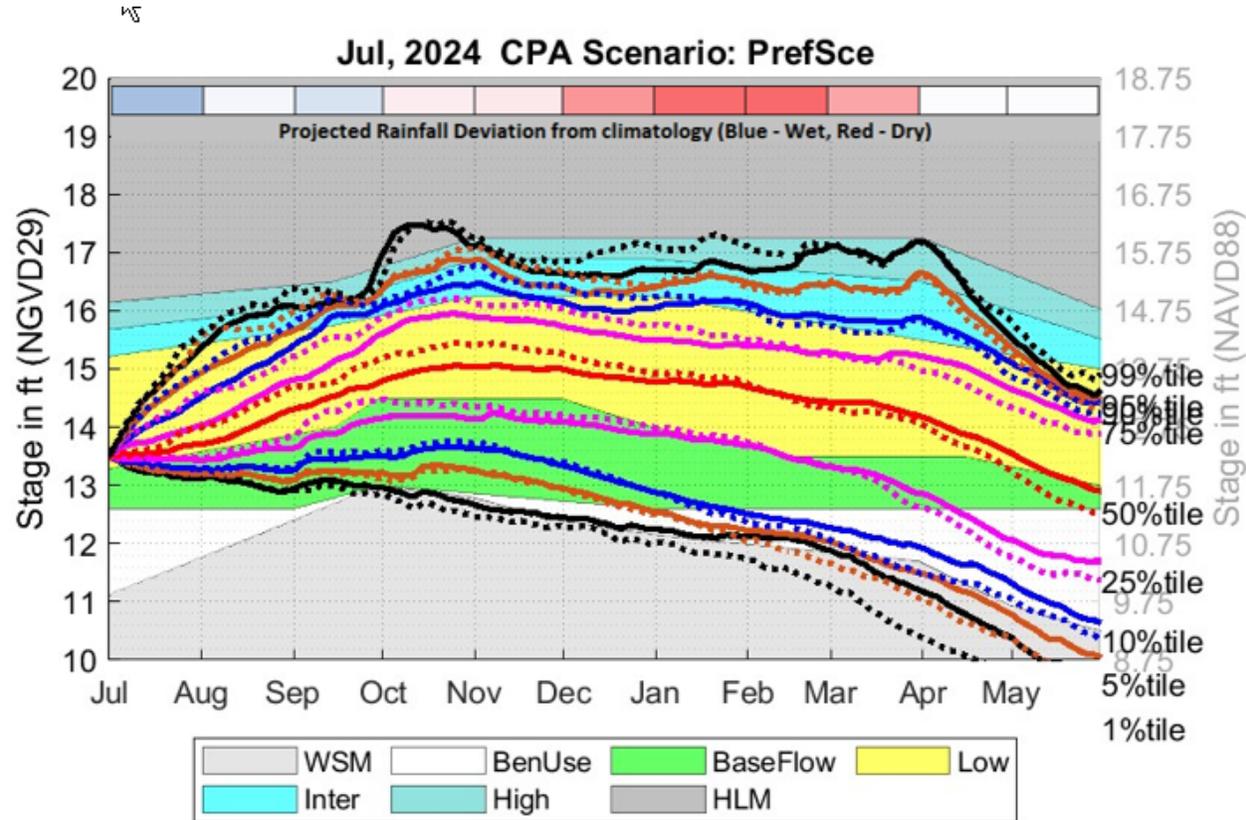
Current Lake Okeechobee Regulation Schedule (LORS2008)



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

- Dynamic Position Analysis (DPA) forecasts stages in the system based on current operational protocols and historical rainfall.
- Conditional Position Analysis (CPA) improves DPA predicted stages by taking into account the anticipated rainfall conditions.
- Conditional Position Analysis (CPA) is a stochastic technique that utilizes robust and well-established approaches, such as Monte Carlo simulation and NonLinear Programming, to correctly apply the rainfall to stage Transition Probability Matrix and recognize non-unique solutions.

Conditional Position Analysis (CPA)

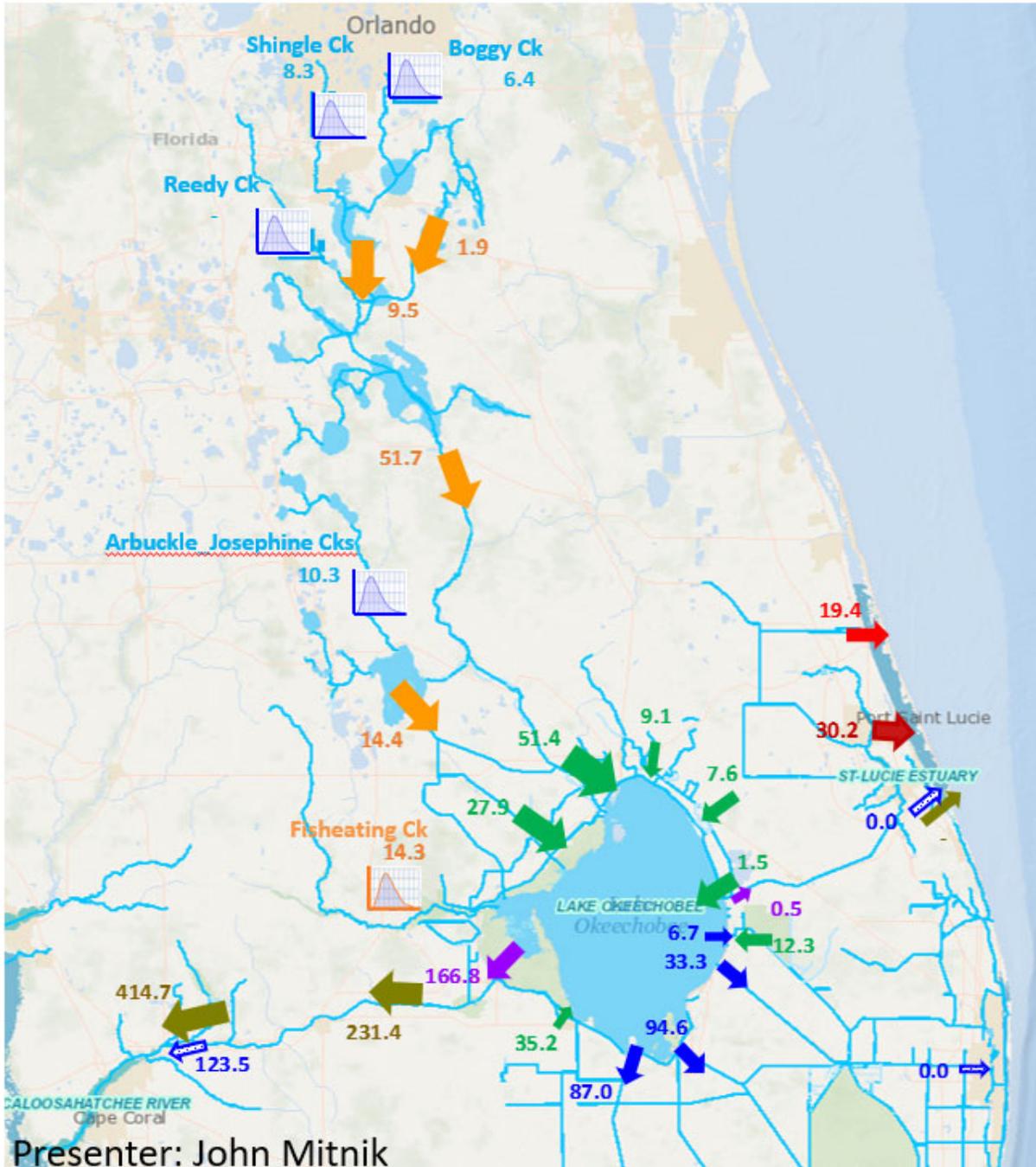


Current Lake Okeechobee Regulation Schedule (LORS2008)

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

Secondary vertical axes show stages in NAVD88. These stages are based on Agreed Upon Regulation Schedule Conversion Offsets between NGVD29 and NAVD88 (1.25 ft for Lake Okeechobee).

Dotted lines are climate adjusted (CPA) and solid lines are climatological (DPA)



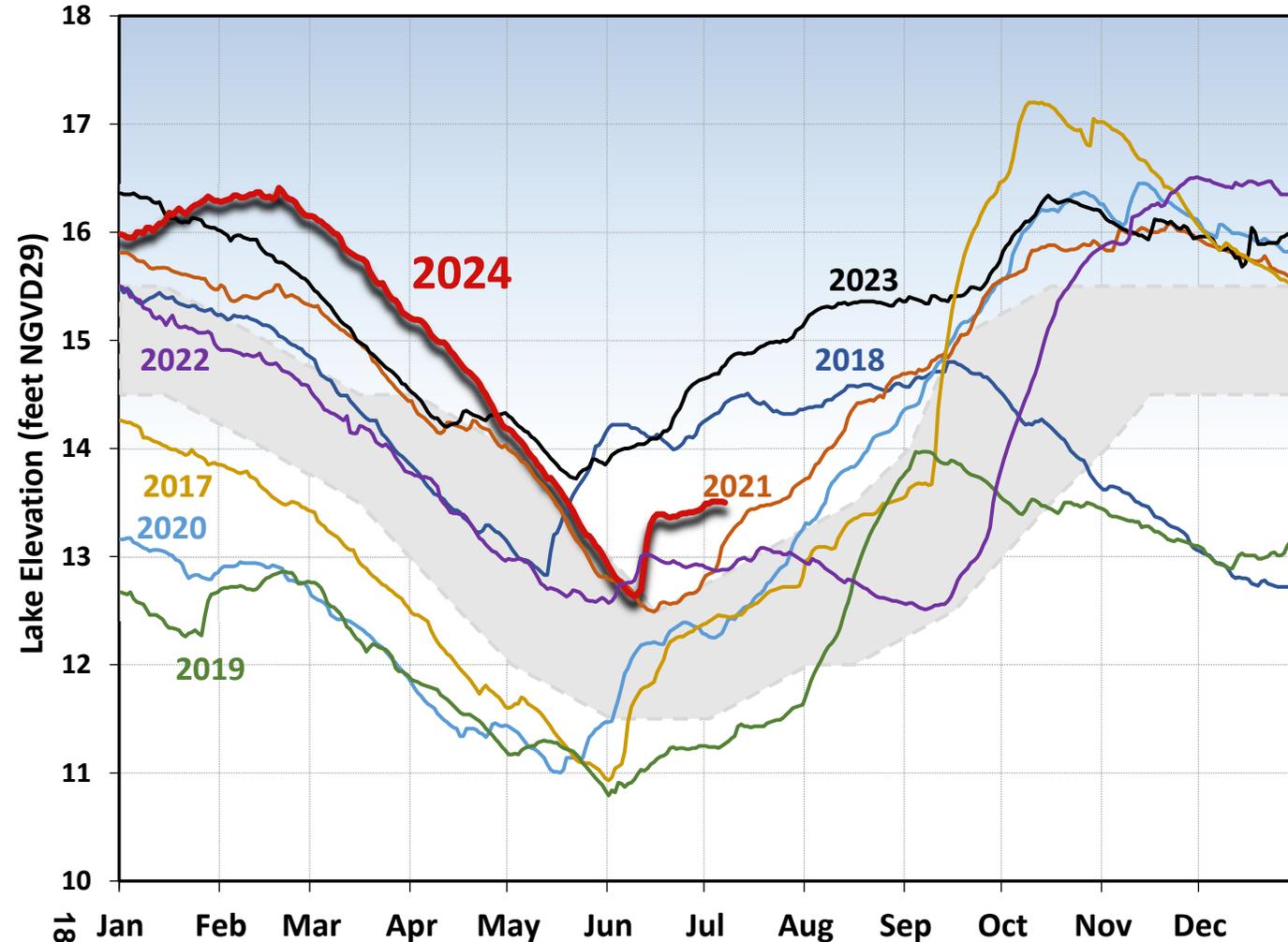
SFWMD – Selected Release Volumes for the Period May 1, 2024 to July 9, 2024
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2025	Last Month
	Upper Kissimmee to Lower Kissimmee	51.7	24.0
	Inflows to Lake Okeechobee (including Fisheating Creek)	159.4	135.2
	Lake Releases and Basin Runoff	414.7	262.7
	Lake Releases East and West	167.3	13.1
	Lake Flood Control to Estuaries	123.5	12.8
	Total Lake Releases South	221.7	0.2
	Releases to Indian River Lagoon	19.4	19.4
	Upper East Coast discharges to St. Lucie Estuary	30.2	30.2
	Uncontrolled flows - Creeks (does not include Fisheating Creek)	25.0	20.2

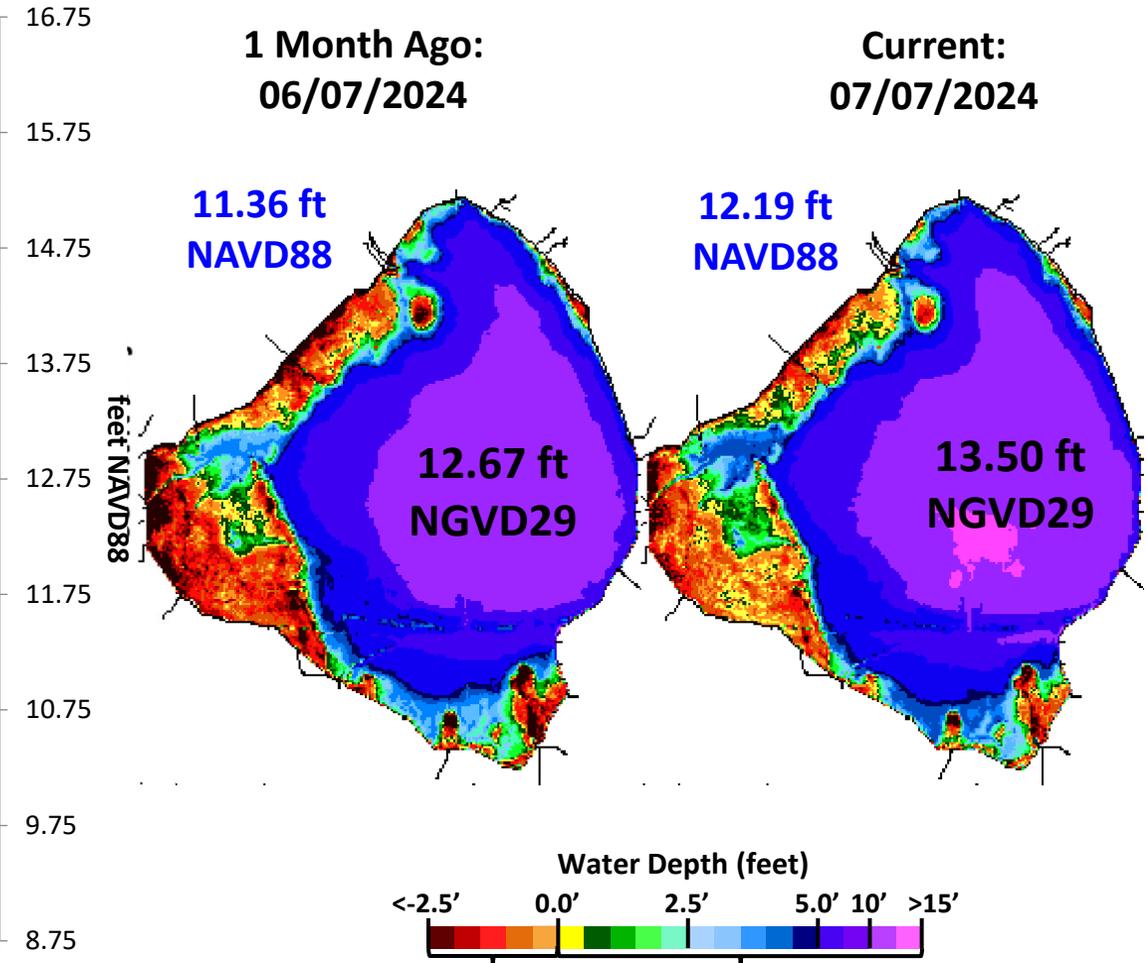
1,000 acre-feet = 325.9 Million Gallons

Ecological Envelope and Water Depths

Lake Okeechobee Stage vs Ecological Envelope



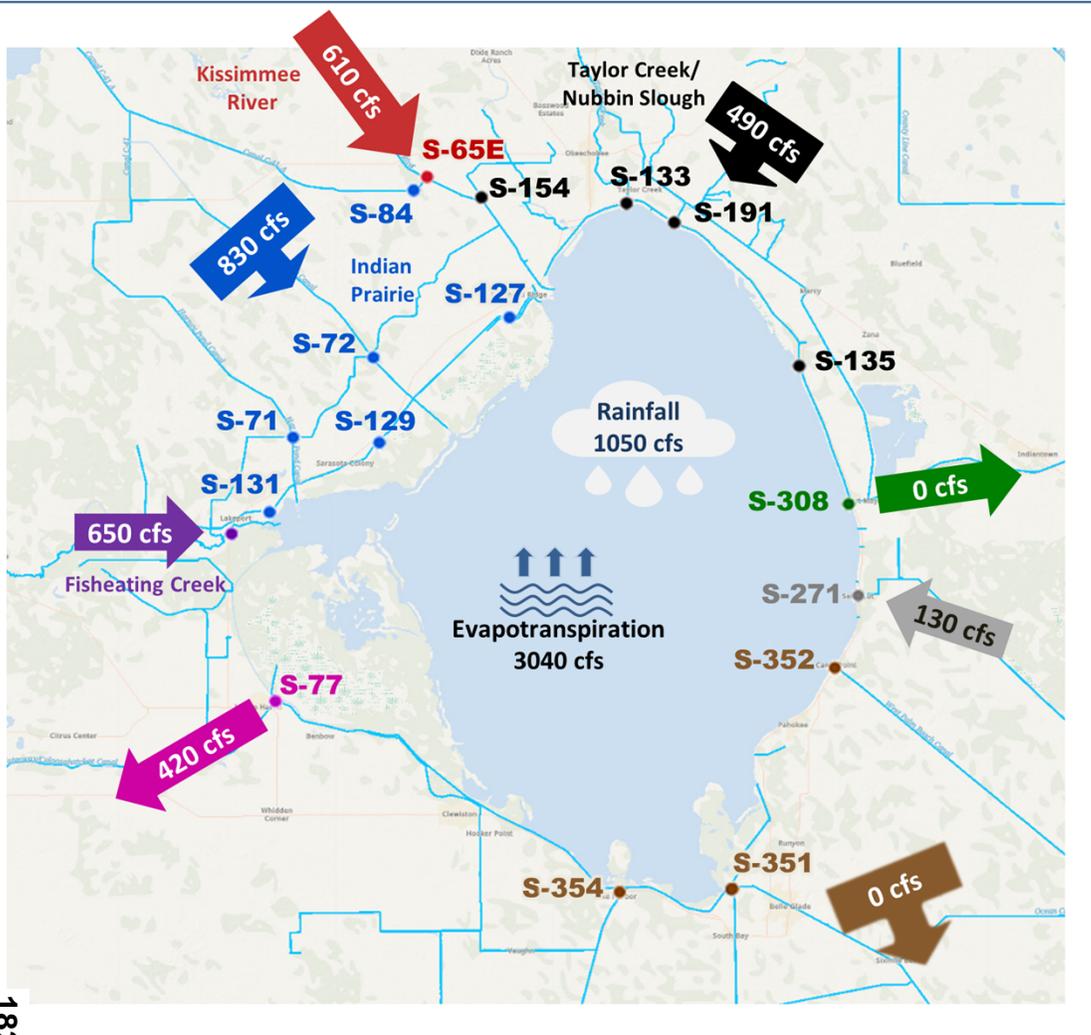
Changes in Water Depth



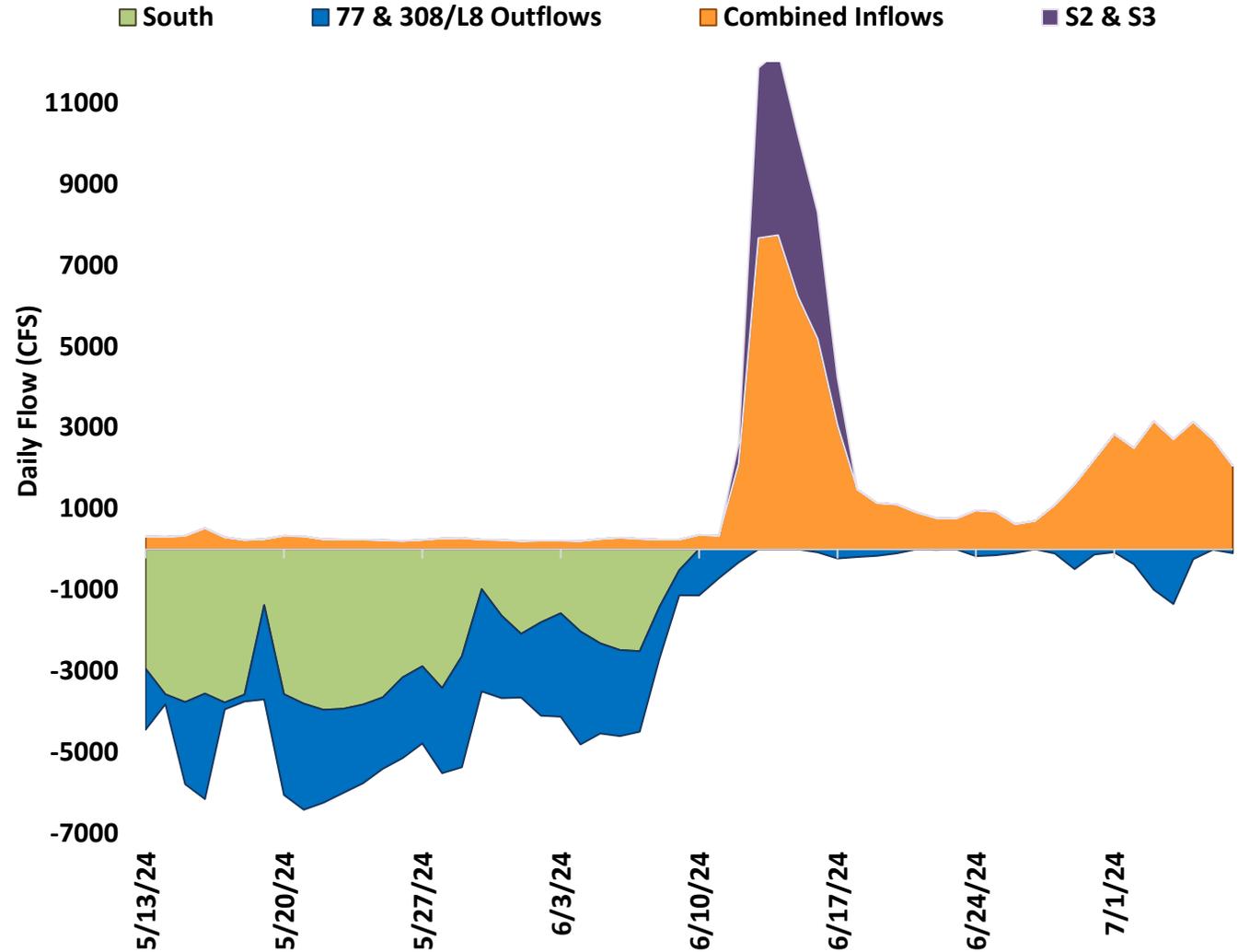
Lake Okeechobee Hydrology

(*Provisional Data)

July 01 – 07, 2024 Inflows and Outflows

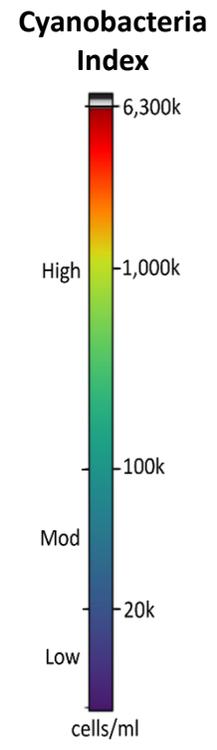
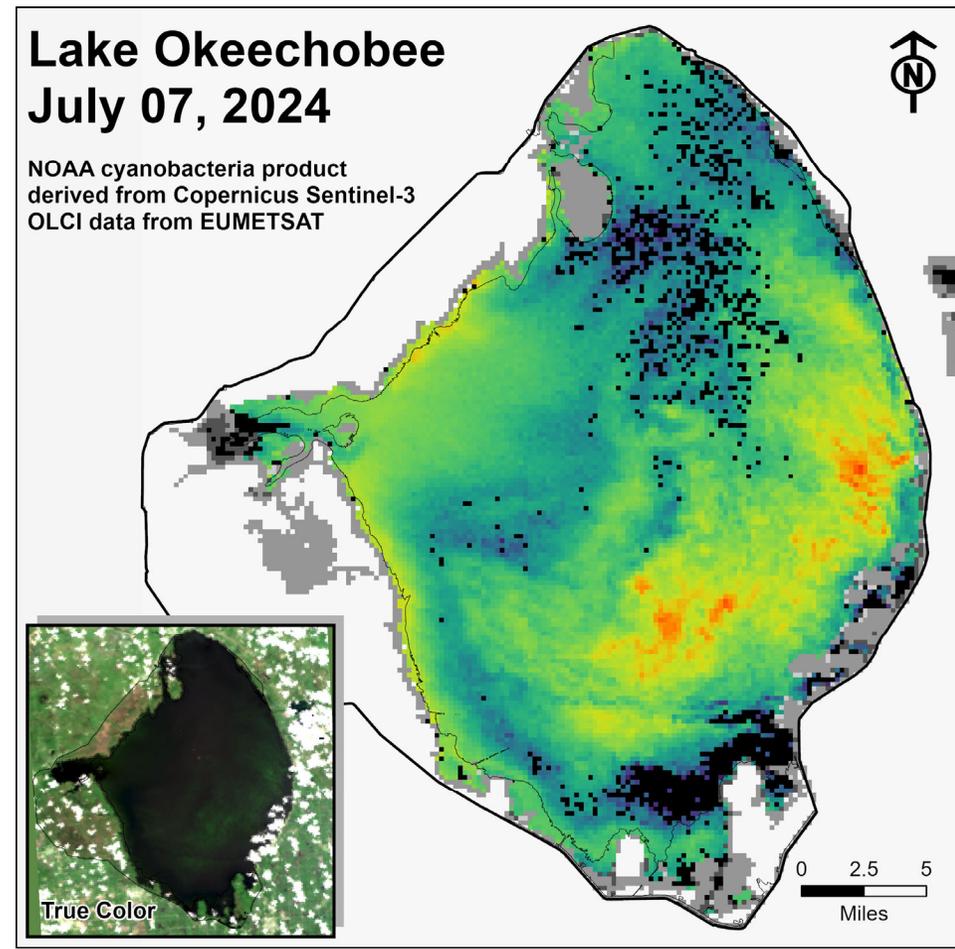
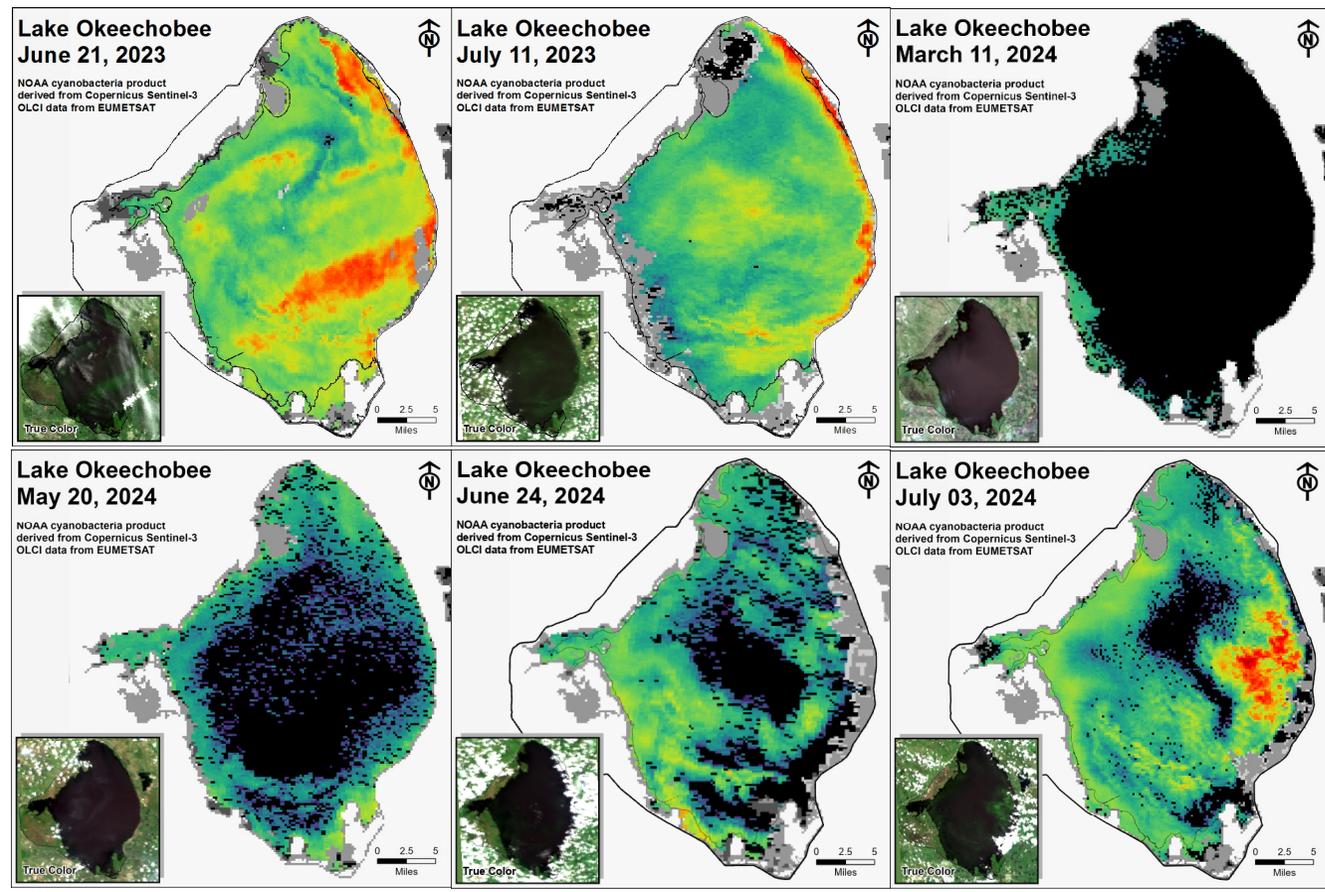


Prior 8 Weeks Inflows and Outflows



Lake Okeechobee

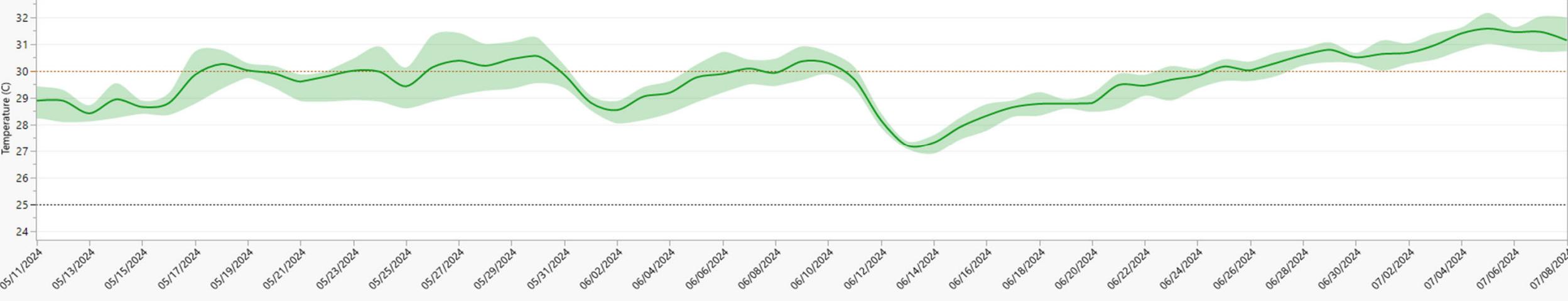
Cyanobacteria Bloom Distribution and Intensity



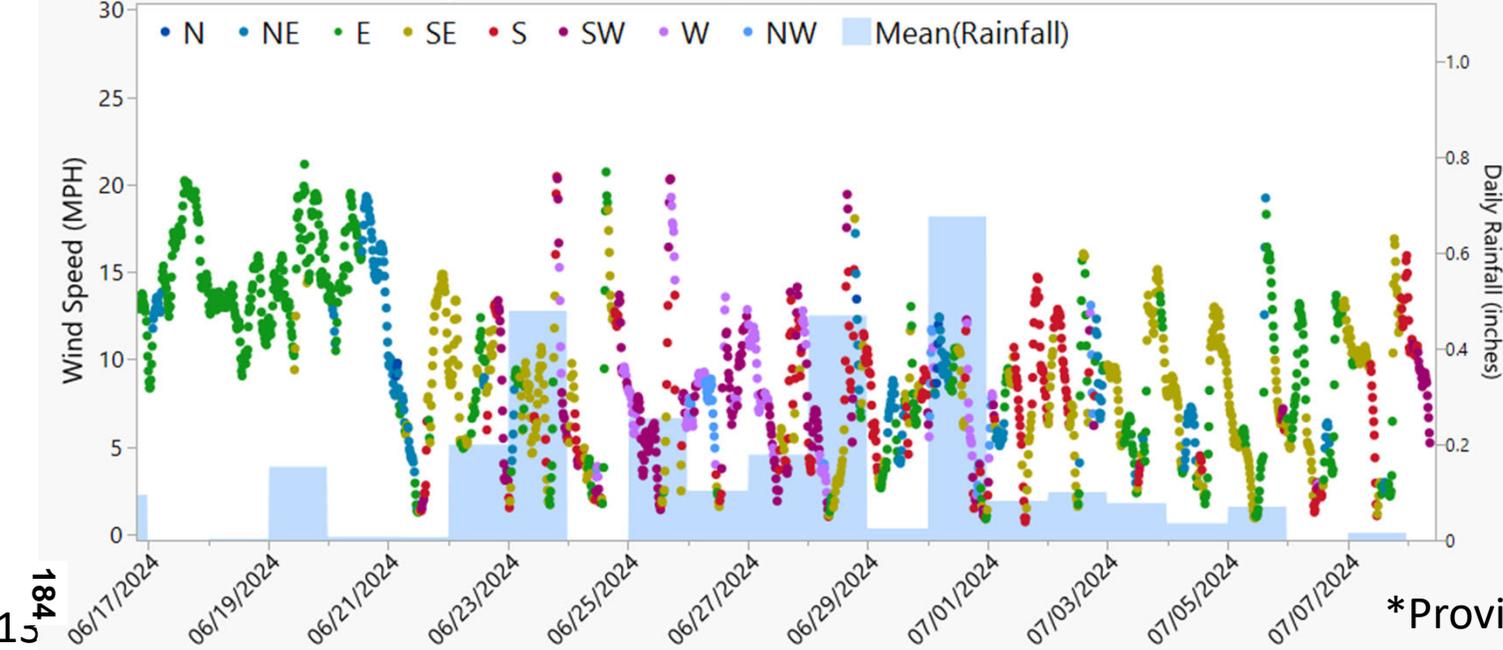
NOAA cyanobacteria product derived from Copernicus Sentinel-3 OLCI data from EUMETSAT

Lake Okeechobee Wind, Precipitation, and Temperature Patterns

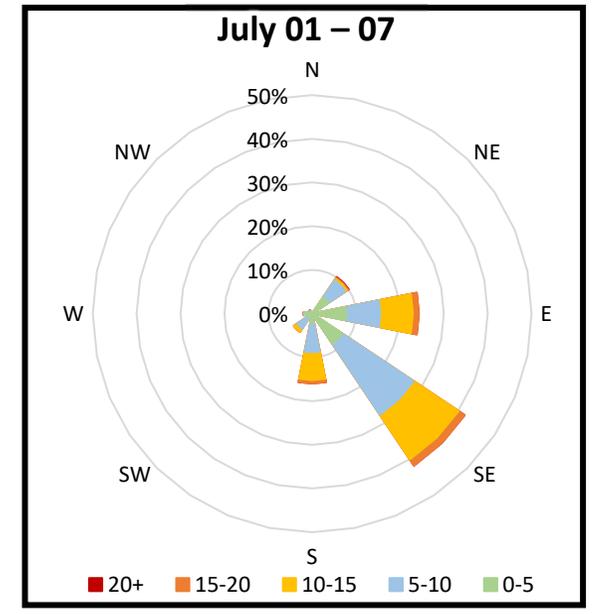
Daily Mean (& IQR) Temperature from Lake O Platform Stations



Wind Speed and Direction (from) at LZ40 + Lake O Rainfall



Provisional Data



Lake Okeechobee

Chlorophyll *a*, Total Microcystins, and Dominant Taxa

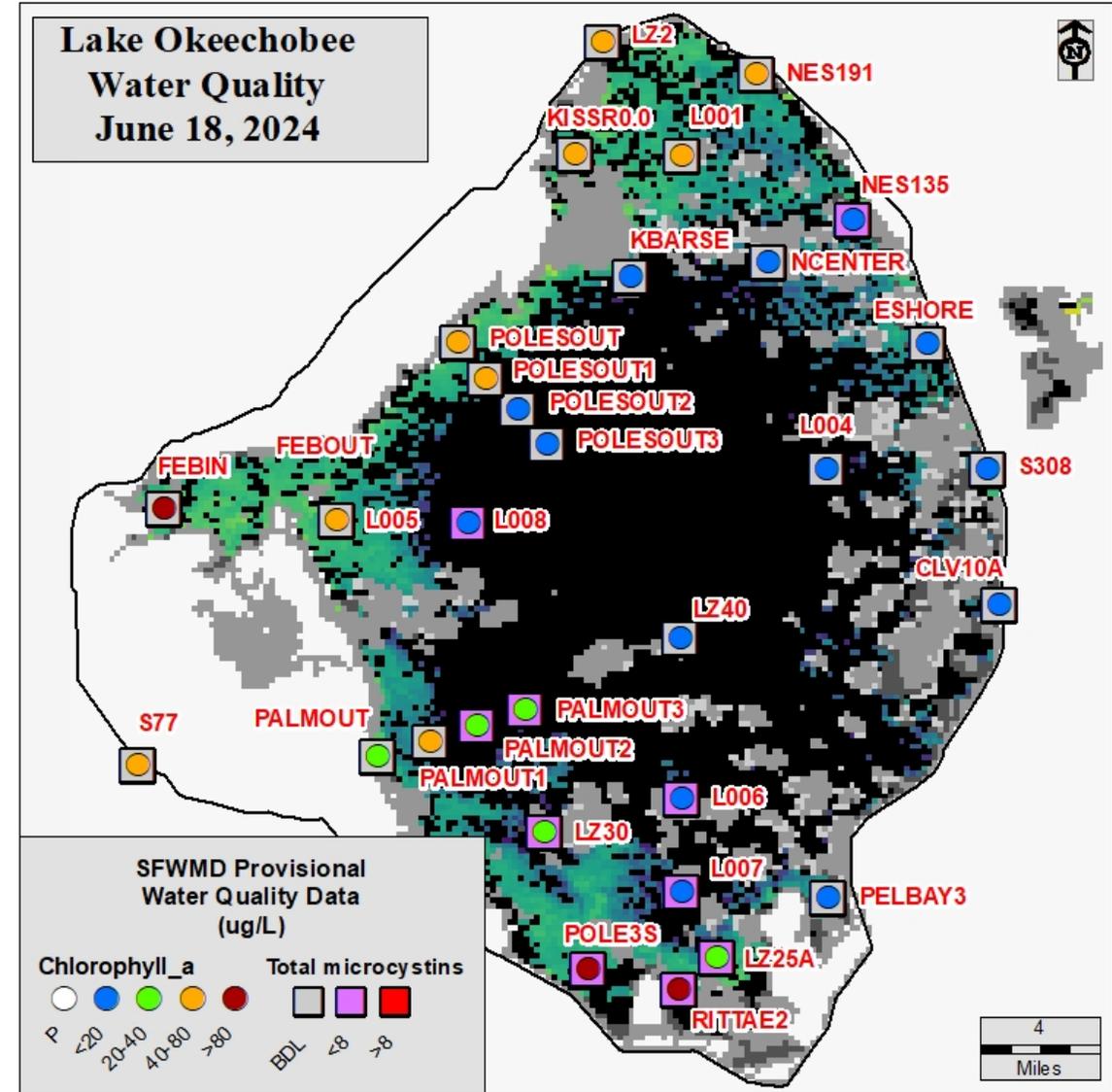
Collection Date: June 17-19, 2024

Station	CHL <i>a</i> (ug/L)	TOXIN (ug/L)	TAXA
FEBIN	110.0	BDL	<i>Micro/Raphi</i>
FEBOUT	NS	NS	NS
KISSR0.0	66.0	BDL	<i>mixed</i>
L005	55.0	BDL	<i>Micro/Dolic</i>
LZ2	67.8	BDL	<i>Dolichos</i>
KBARSE	16.2	BDL	<i>Microcys</i>
RITAE2	93.3	0.4	<i>Microcys</i>
PELBAY3	9.0	BDL	<i>Microcys</i>
POLE3S	92.4	6.7	<i>Micro/Pseud</i>
LZ25A	26.6	2.9	<i>Microcys</i>
PALMOUT	36.5	BDL	<i>Dolichos</i>
PALMOUT1	52.8	BDL	<i>Dolichos</i>
PALMOUT2	24.0	1.6	<i>Micro/Dolic</i>
PALMOUT3	23.9	6.5	<i>Microcys</i>
POLESOUT	42.5	BDL	<i>Micro/Plank</i>
POLESOUT1	42.5	BDL	<i>Microcys</i>
POLESOUT2	13.8	BDL	<i>Microcys</i>
POLESOUT3	13.0	BDL	<i>mixed</i>
EASTSHORE	15.2	BDL	<i>mixed</i>
185 NES135	15.4	0.5	<i>mixed</i>
185 NES191	58.6	BDL	<i>Microcys</i>

Station	CHL <i>a</i> (ug/L)	TOXIN (ug/L)	TAXA
L001	63.1	BDL	<i>Microcys</i>
L004	11.1	BDL	<i>Microcys</i>
L006	14.9	5.6	<i>Microcys</i>
L007	12.2	2.2	<i>Microcys</i>
L008	9.3	0.4	<i>mixed</i>
LZ30	30.4	6.2	<i>Microcys</i>
LZ40	8.3	BDL	<i>mixed</i>
CLV10A	11.3	BDL	<i>mixed</i>
NCENTER	19.1	BDL	<i>mixed</i>
S308C	18.3	BDL	<i>Microcys</i>
S77	49.2	BDL	<i>Micro/Raphi</i>

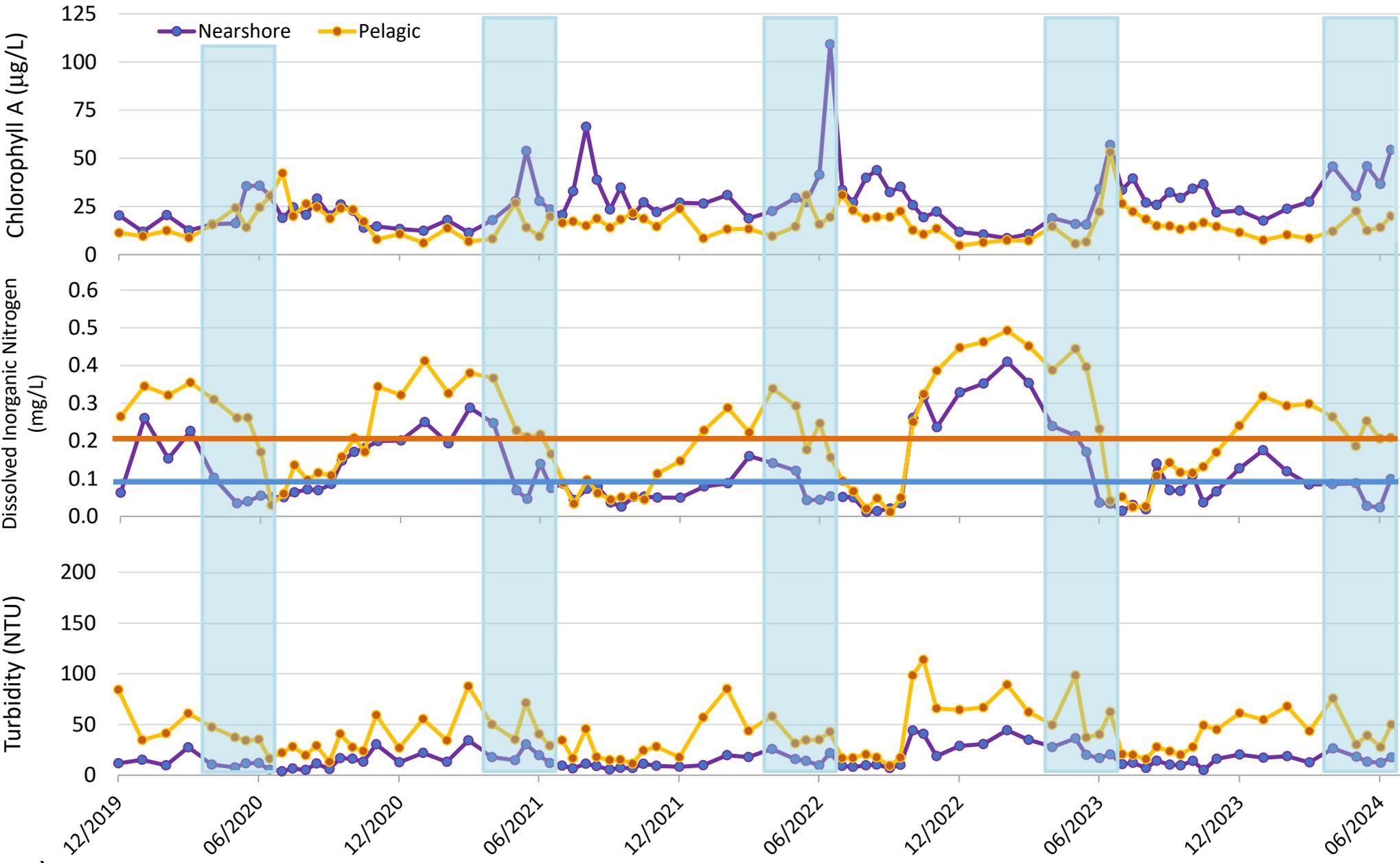
- SFWMD considers >40 µg/L Chlorophyll *a* (Chl*a*) an algal bloom
 - BDL – Below Detectable Limit of 0.25 µg/L
 - ND – No Dominant taxa
 - P – Pending (white squares)
 - NS – Not Sampled
 - Station bold font – crew observed possible BGA
 - Chlorophyll *a* analyzed by SFWMD
 - Toxin and Taxa analyzed by FDEP:
- Microcys* = *Microcystis*; *Cylindro* = *Cylindrospermopsis*;
Planktol = *Planktolyngbya*; *Dolicho* = *Dolichospermum*;
Coelosph = *Coelosphaerium*; *Raphi* = *Raphidiopsis*

14 Presenter: Lawrence Glenn



Lake Okeechobee Water Quality Time Series (2020-Present)

(Provisional Data)



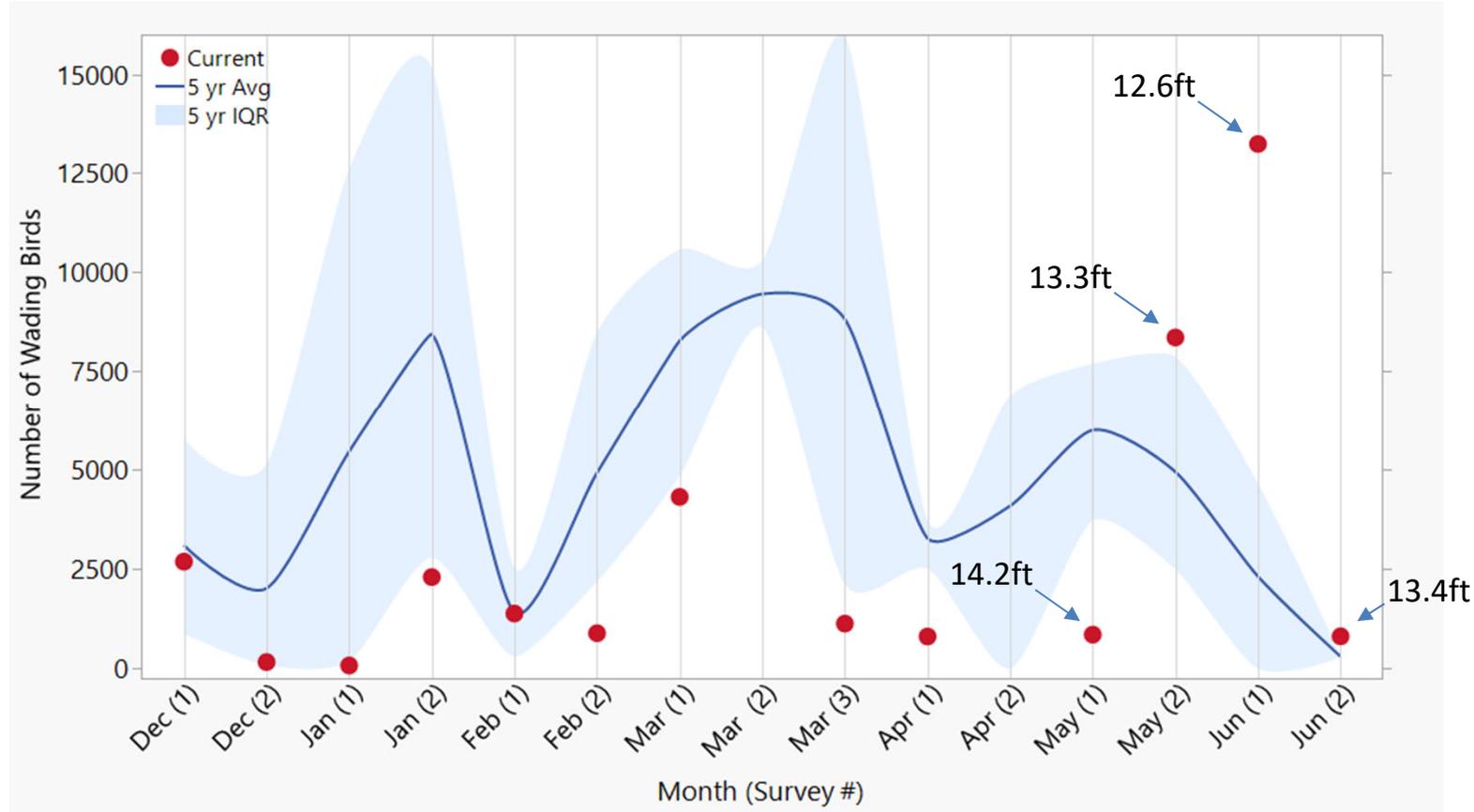
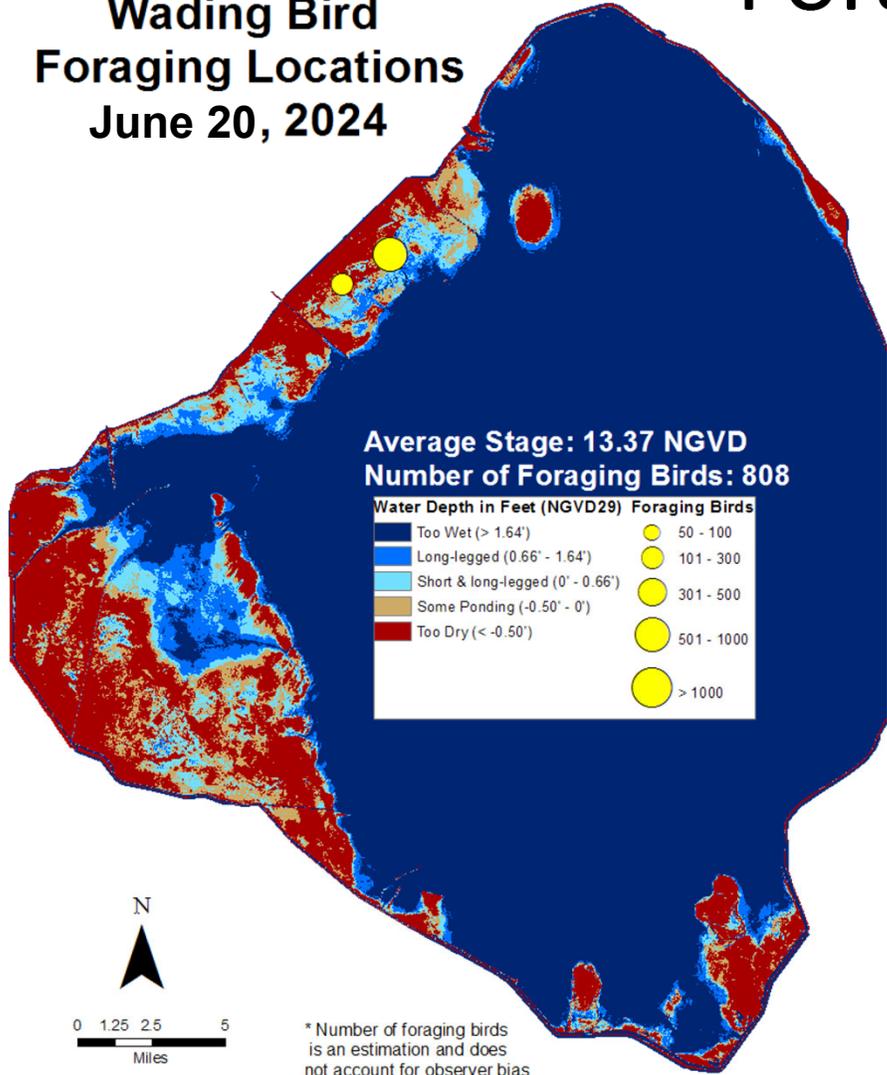
Current time period (Apr - June)

Note: abnormally high DIN value of 3.39 mg/L at RITTAE2 not included in nearshore average.

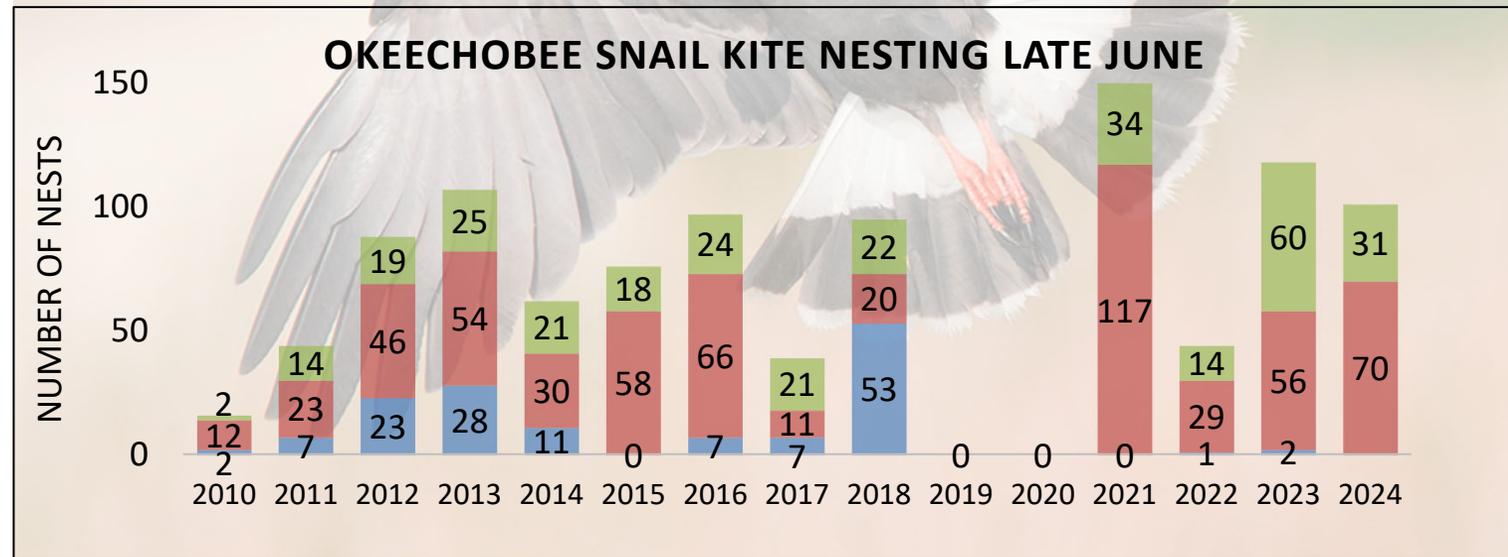
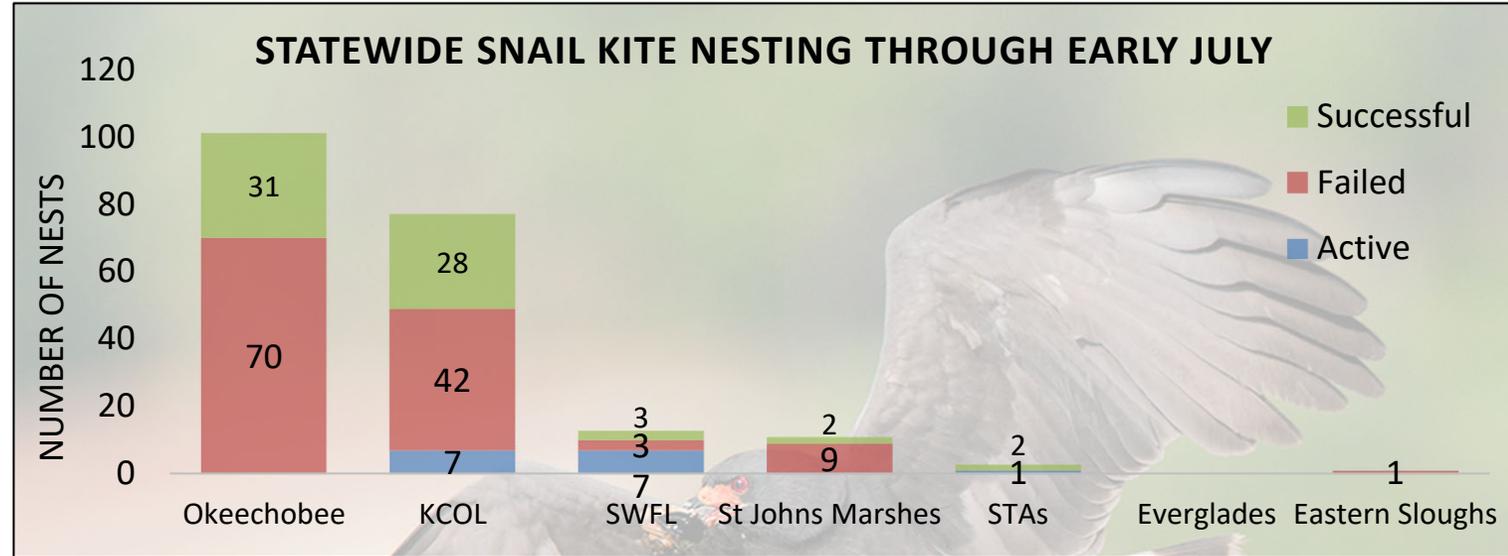
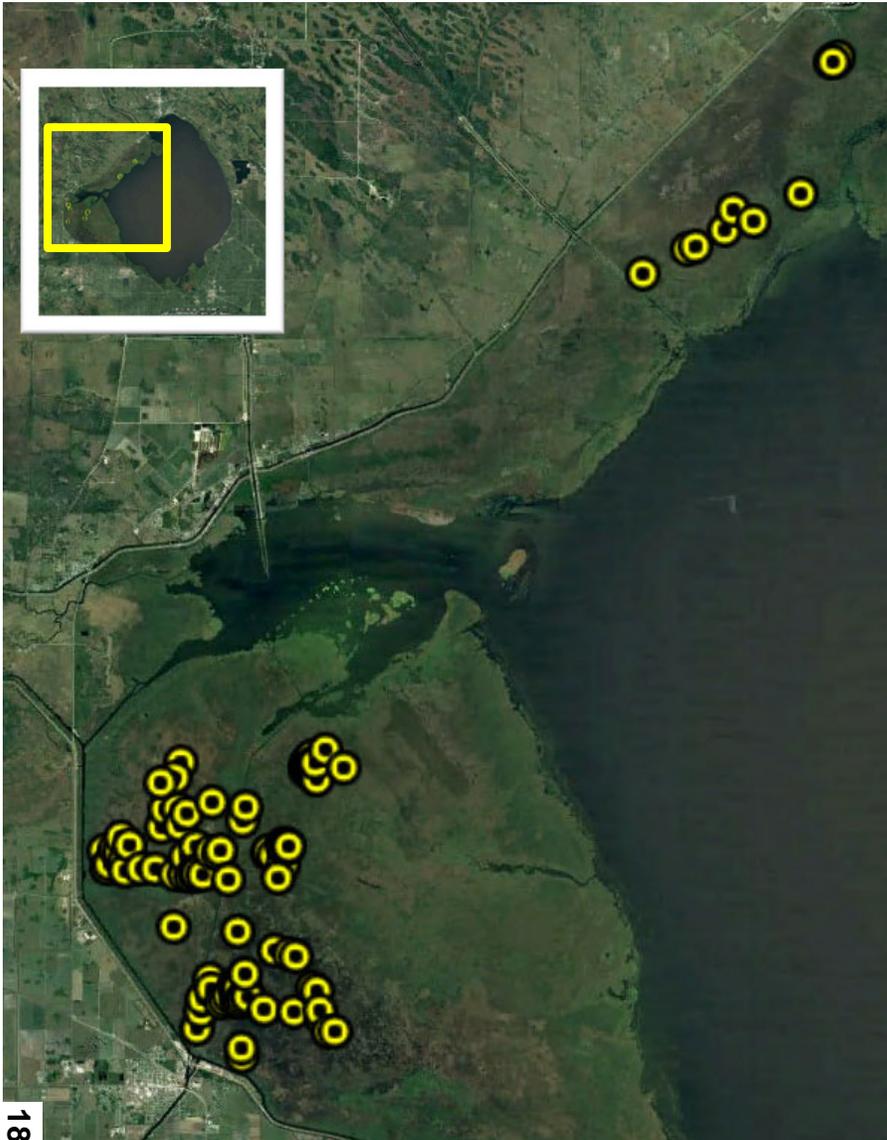
Lake Okeechobee

Foraging Wading Birds

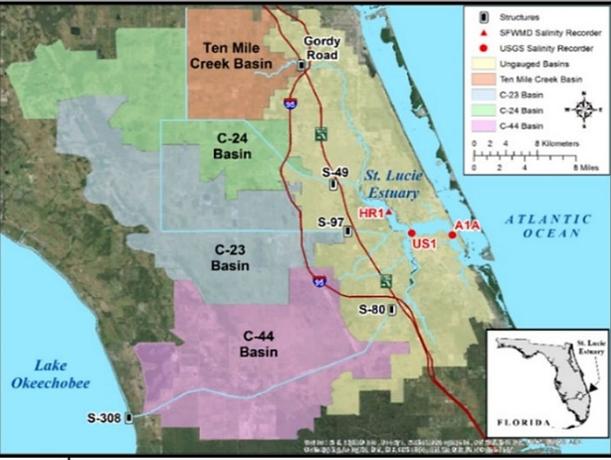
Wading Bird Foraging Locations
June 20, 2024



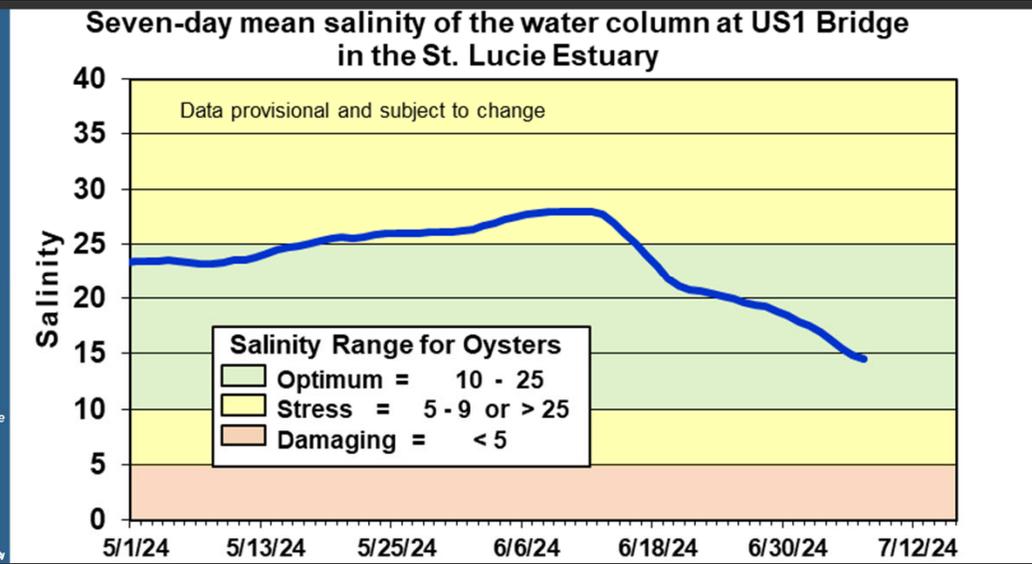
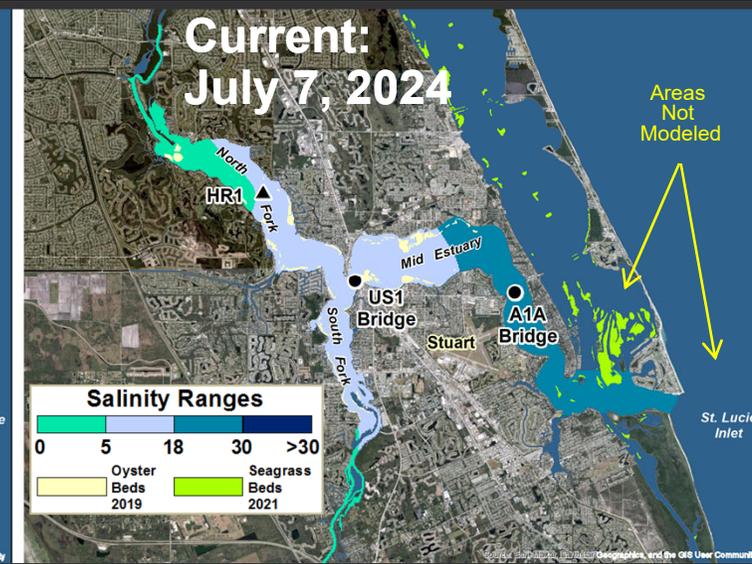
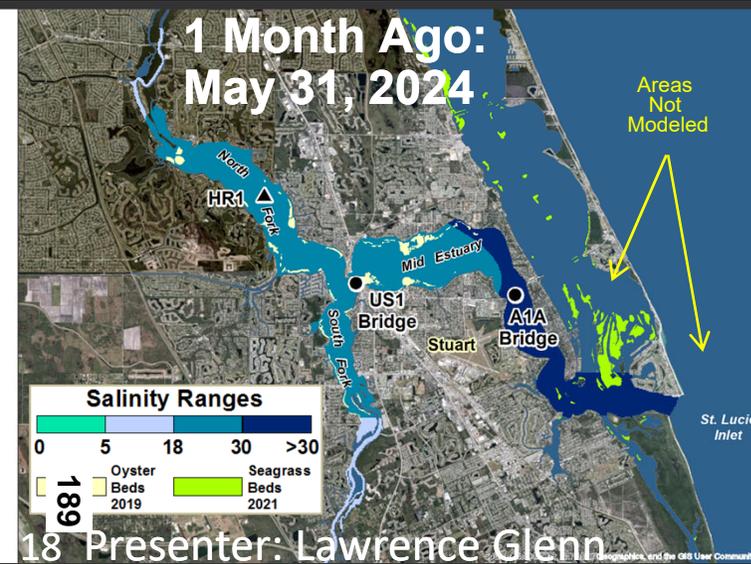
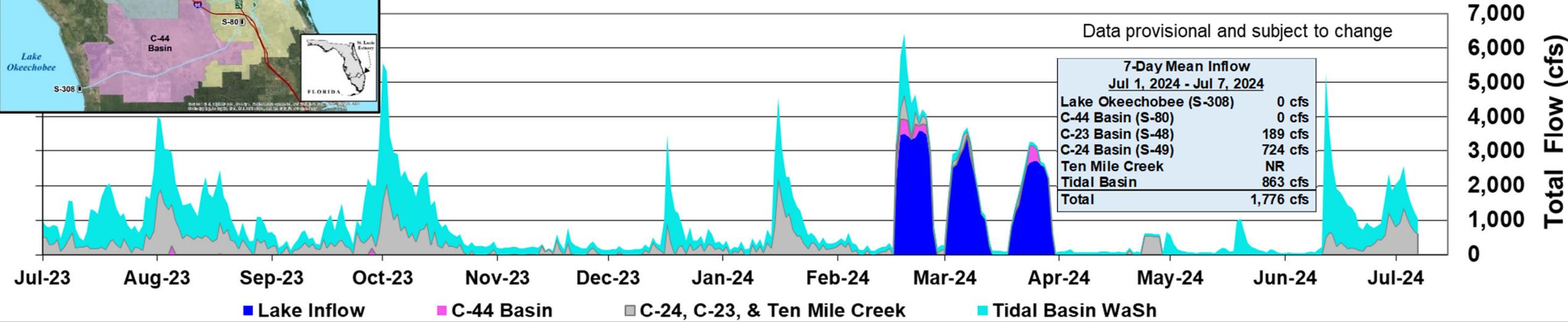
Lake Okeechobee Snail Kite Nesting



St. Lucie Inflows and Salinity Conditions

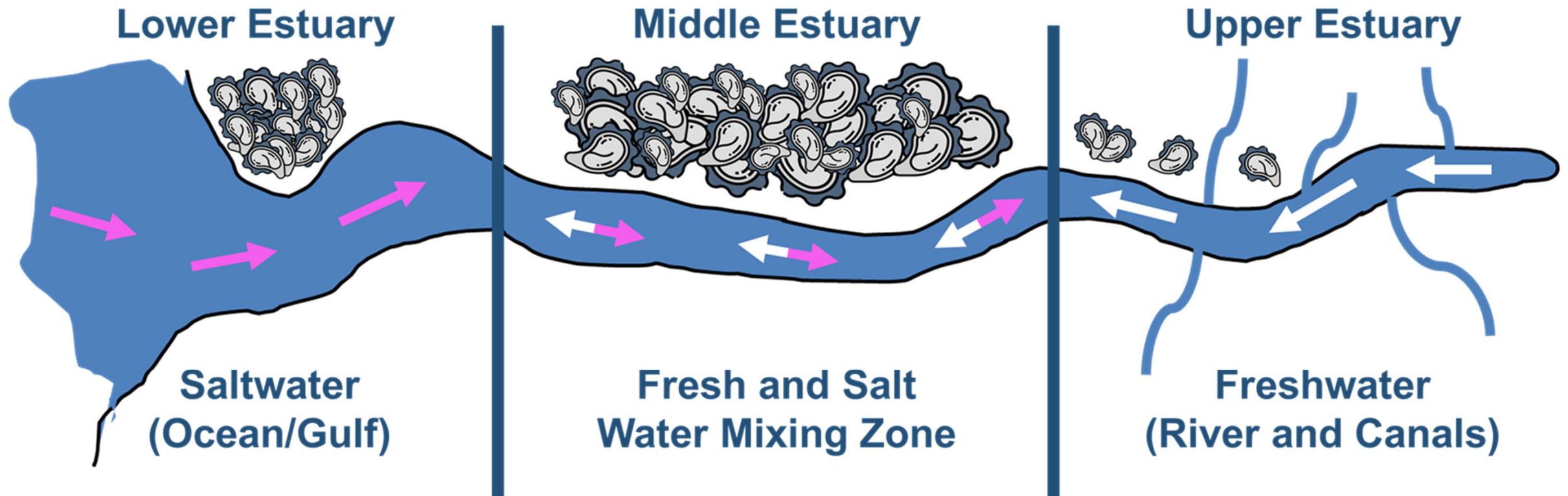


Total Daily Inflow into the St. Lucie Estuary



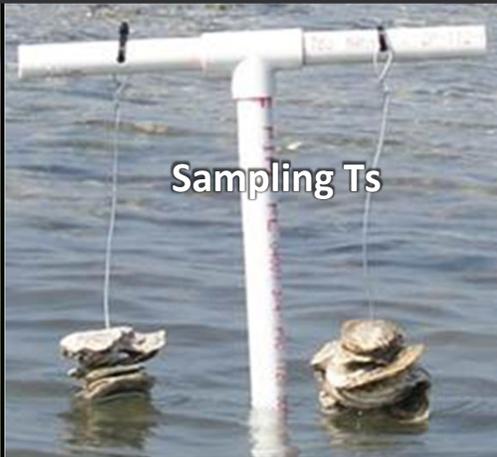
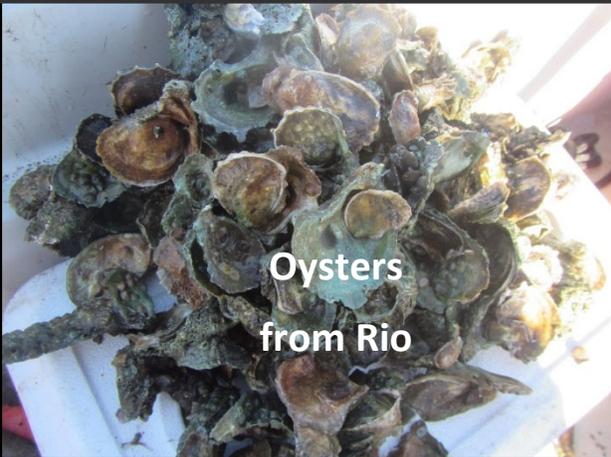
Oyster Distribution

Salinity important factor in determining distribution of oyster populations

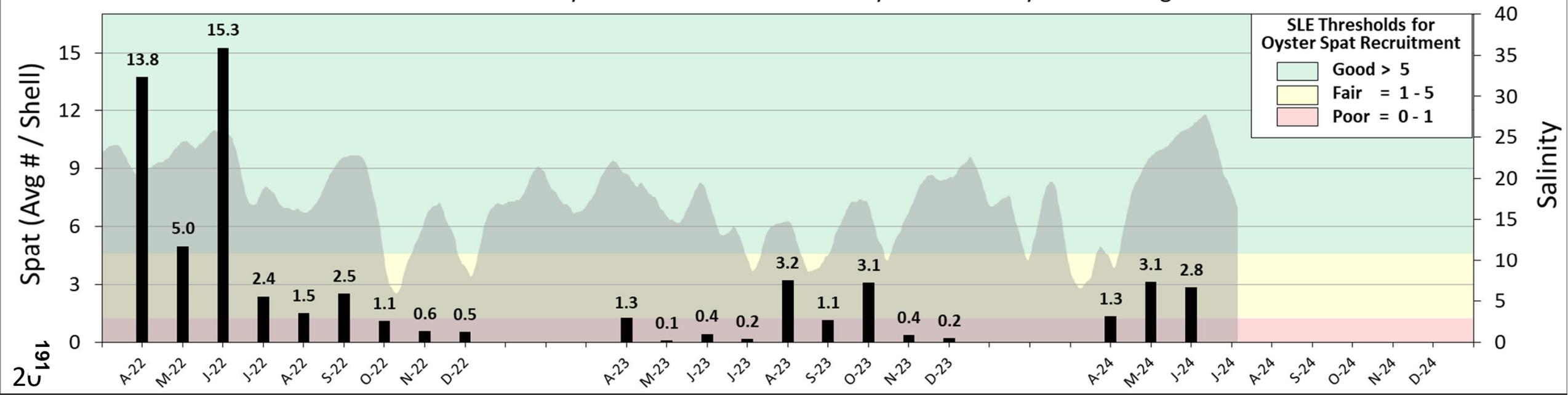


*Arrows indicate flow of saltwater (pink) and freshwater (white).

St. Lucie Estuary – Oyster Recruitment



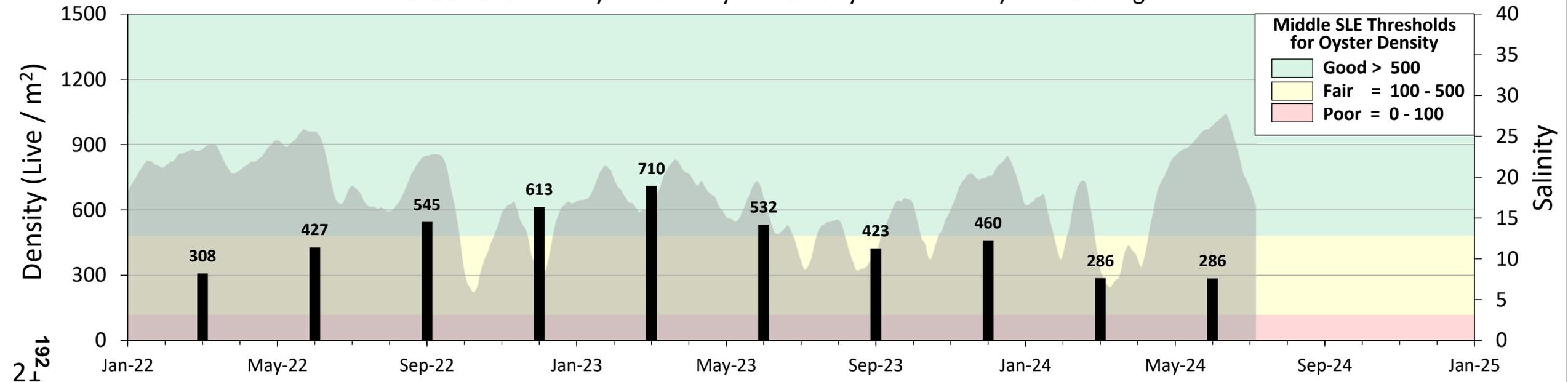
2022 - 2024 Rio Oyster Recruitment and 14-Day Mean Salinity at US1 Bridge



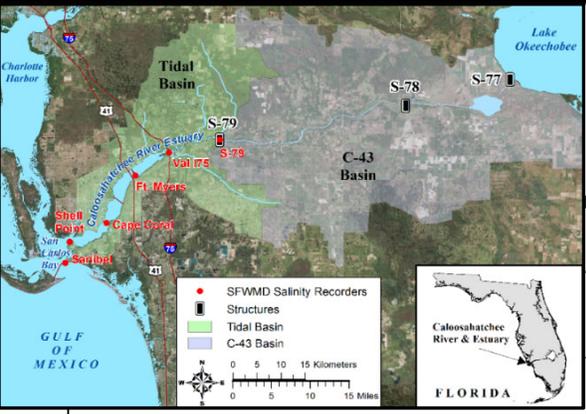
St. Lucie Estuary – Oyster Density



2022 - 2024 Rio Oyster Density and 14-Day Mean Salinity at US1 Bridge



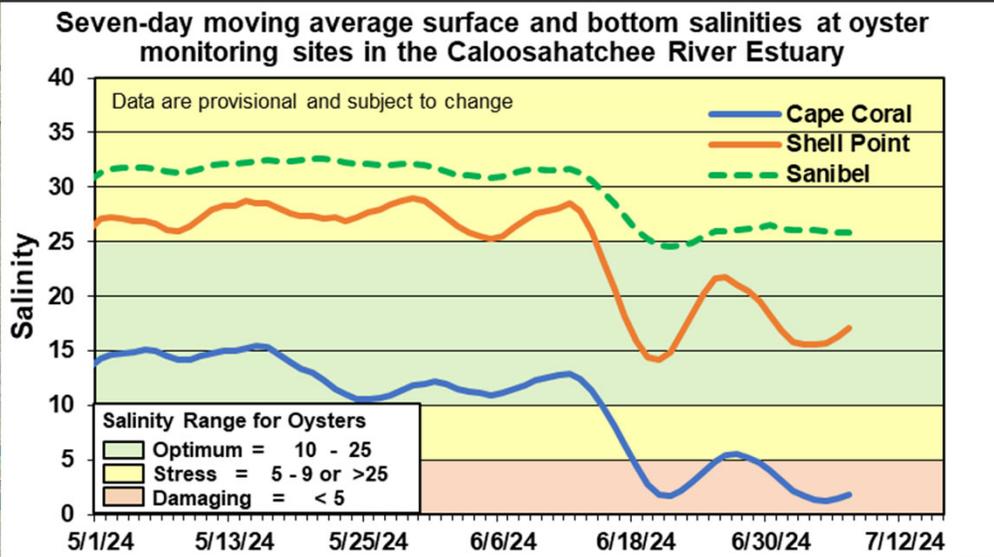
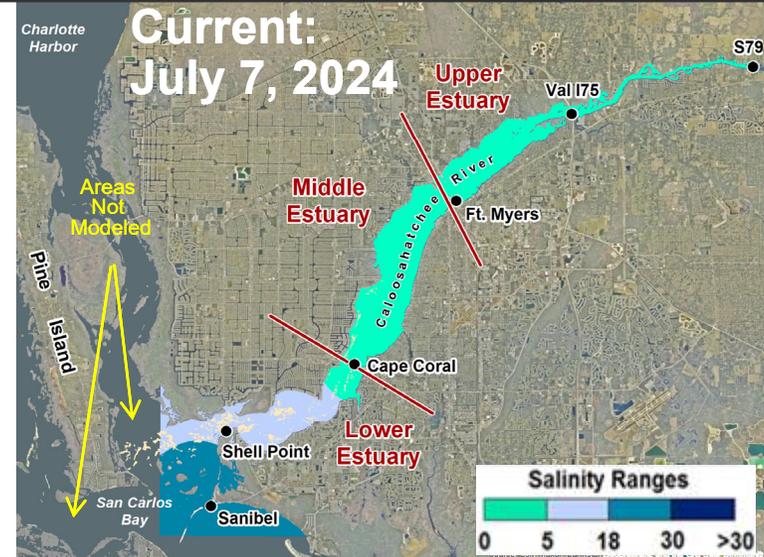
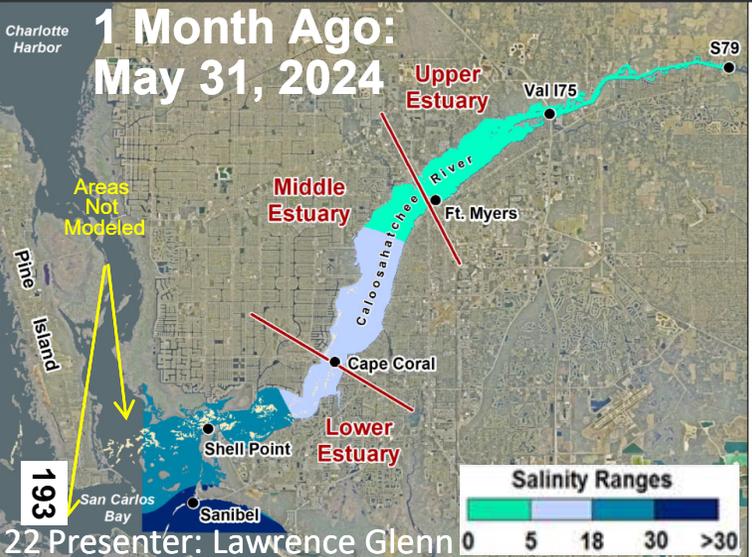
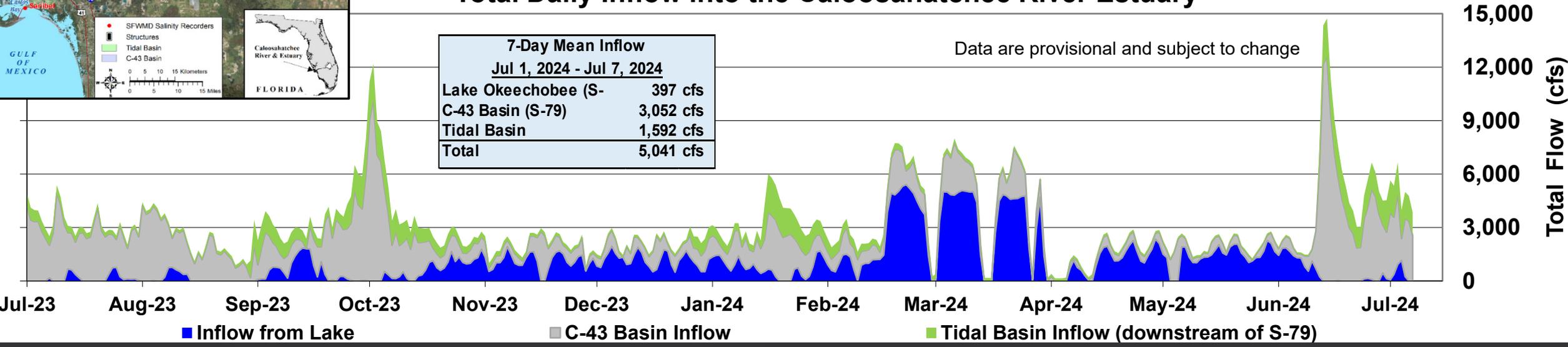
Caloosahatchee Inflows and Salinity Conditions



Total Daily Inflow into the Caloosahatchee River Estuary

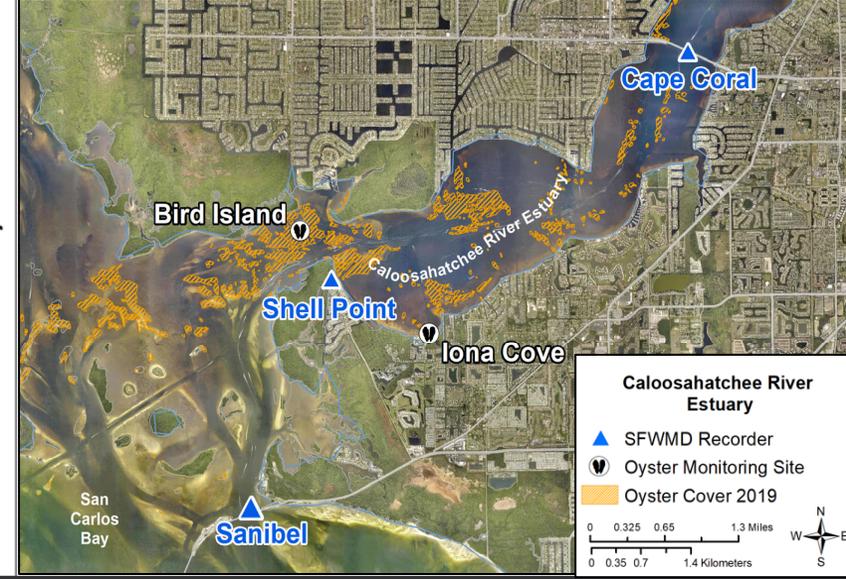
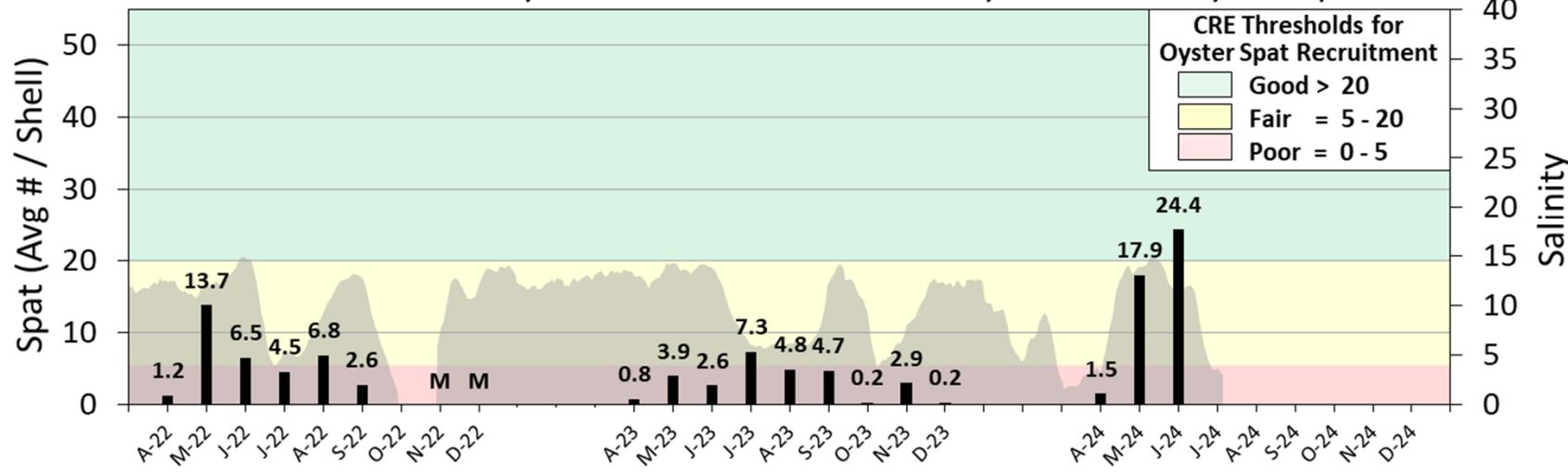
7-Day Mean Inflow Jul 1, 2024 - Jul 7, 2024	
Lake Okeechobee (S-397)	397 cfs
C-43 Basin (S-79)	3,052 cfs
Tidal Basin	1,592 cfs
Total	5,041 cfs

Data are provisional and subject to change

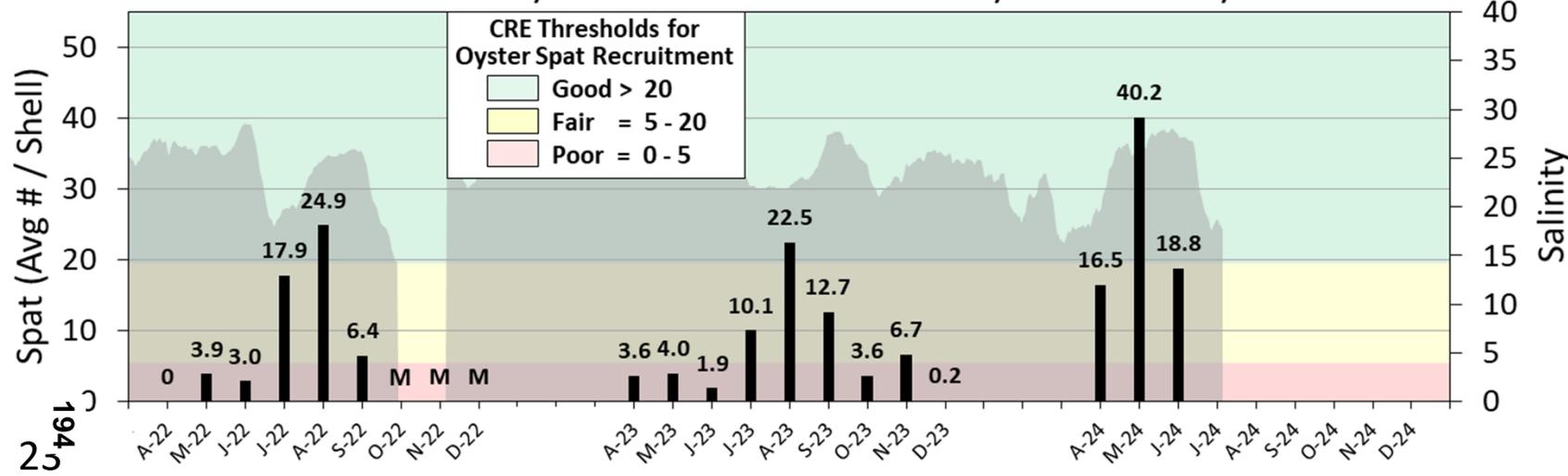


Caloosahatchee River Estuary – Oyster Recruitment

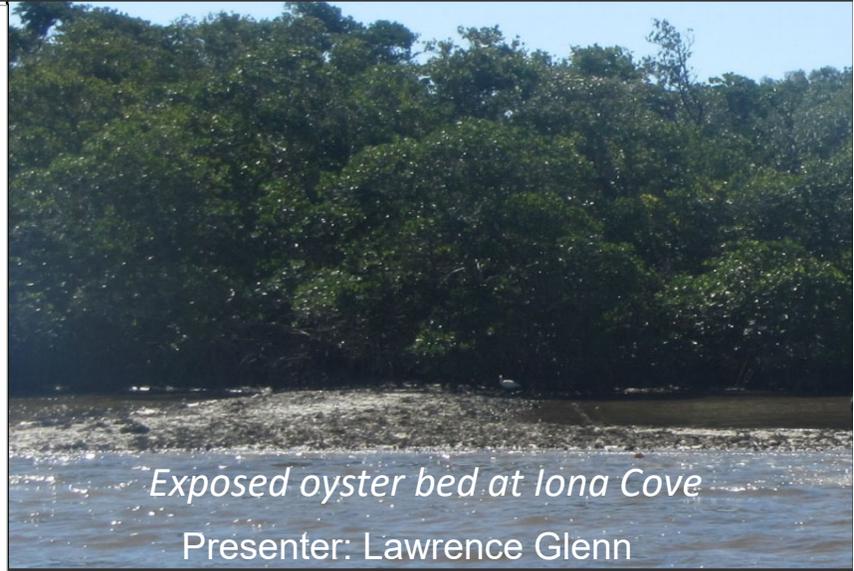
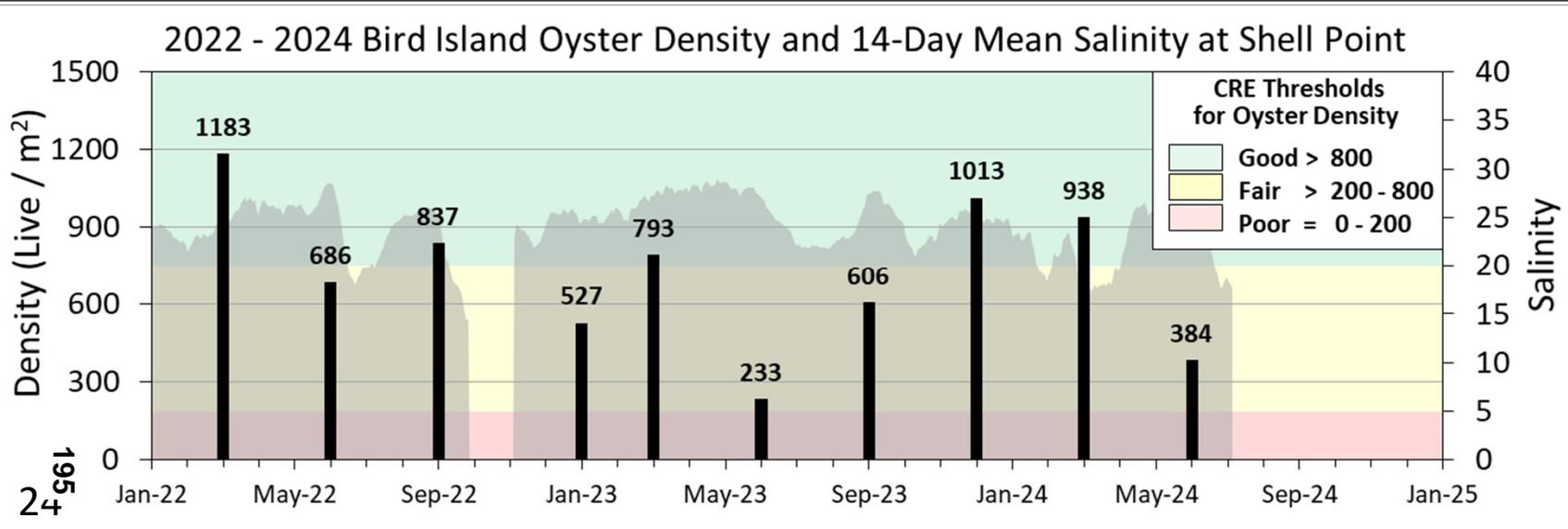
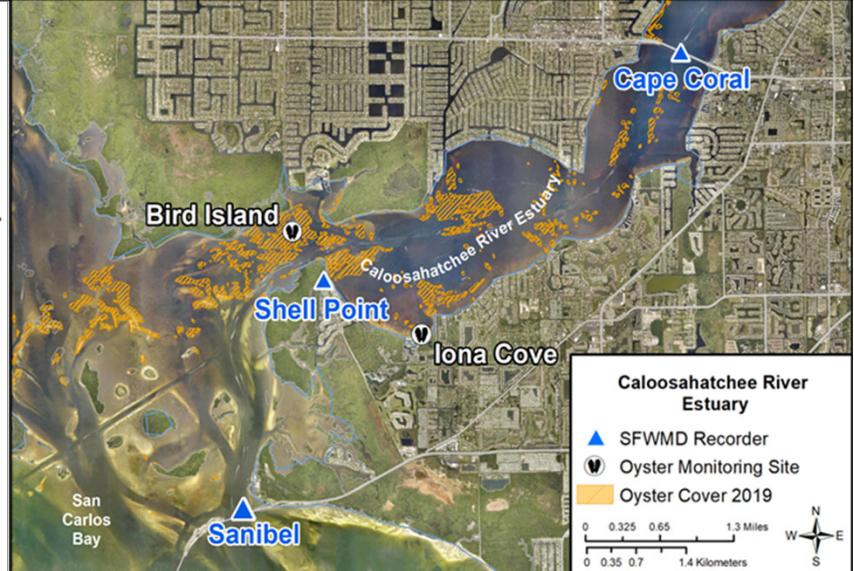
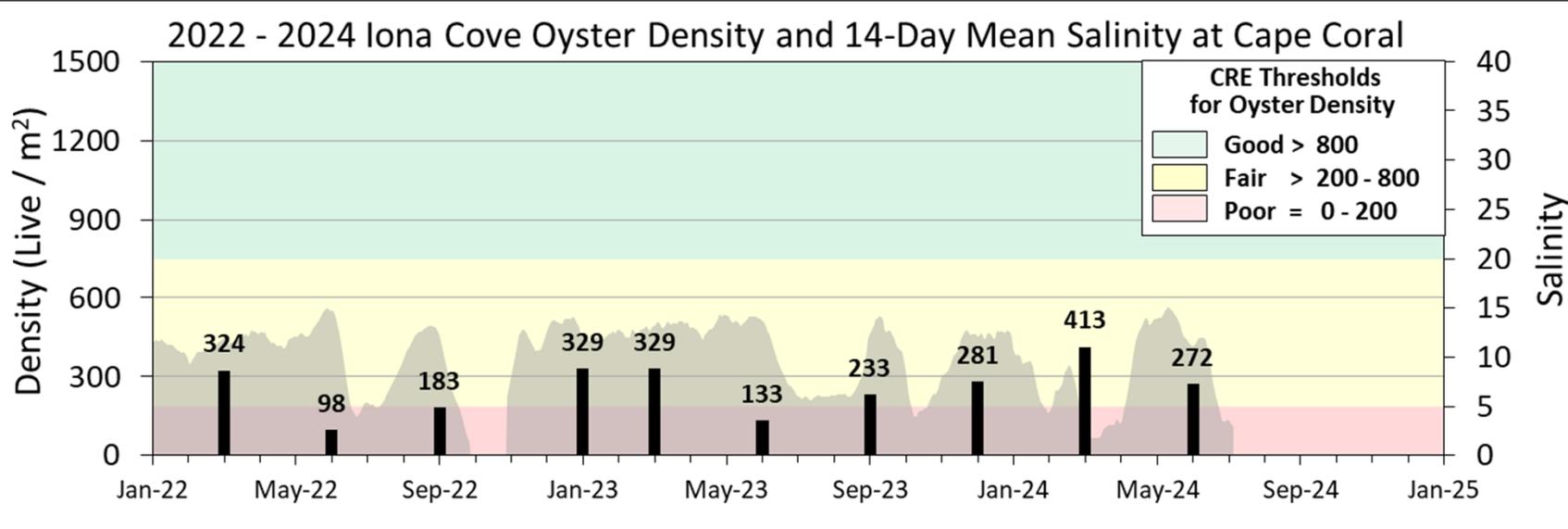
2022 - 2024 Iona Cove Oyster Recruitment and 14-Day Mean Salinity at Cape Coral



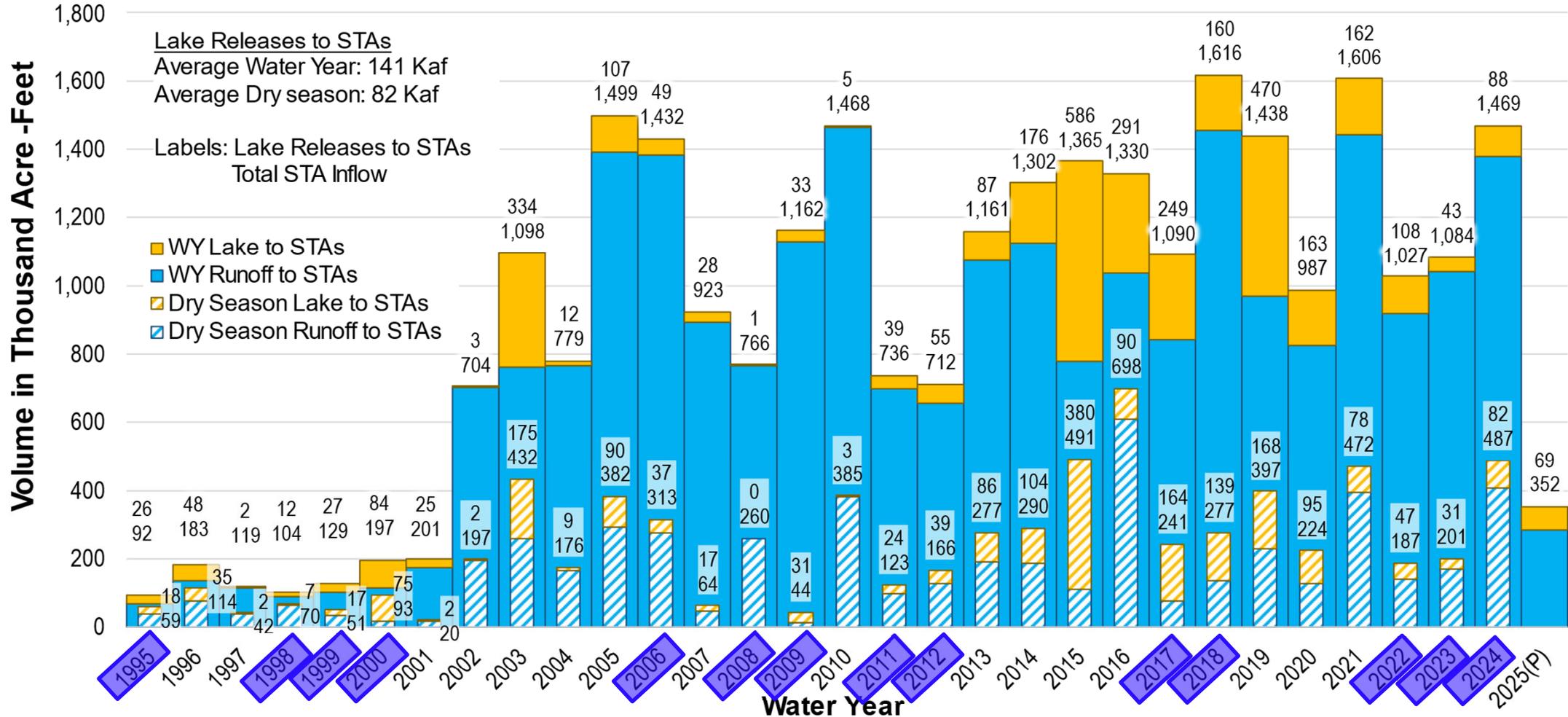
2022 - 2024 Bird Island Oyster Recruitment and 14-Day Mean Salinity at Shell Point



Caloosahatchee River Estuary – Oyster Density



Total STA Inflow and Lake Releases to STAs

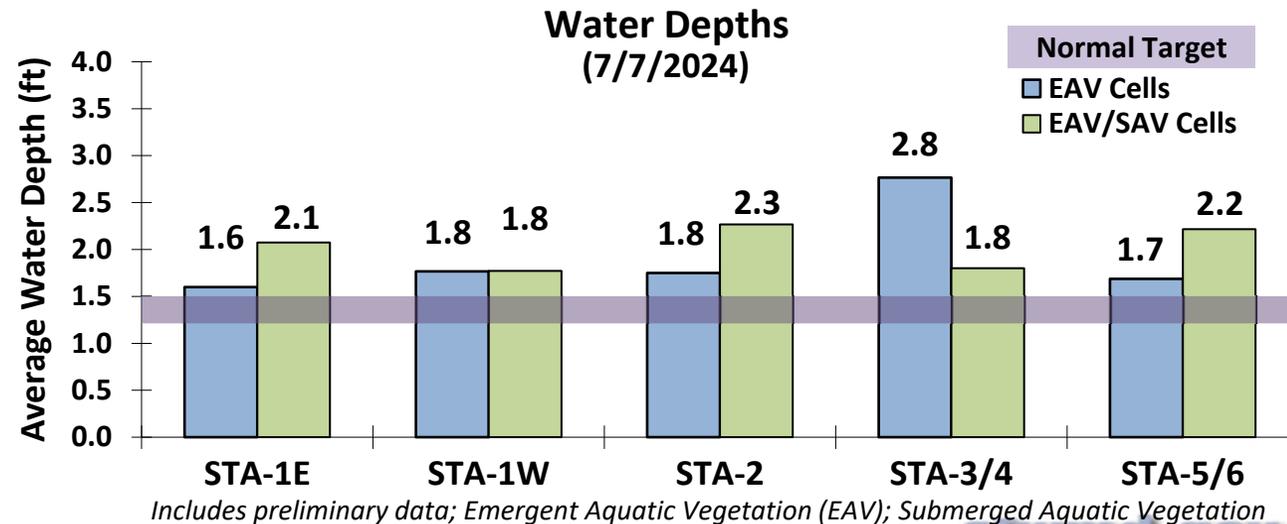
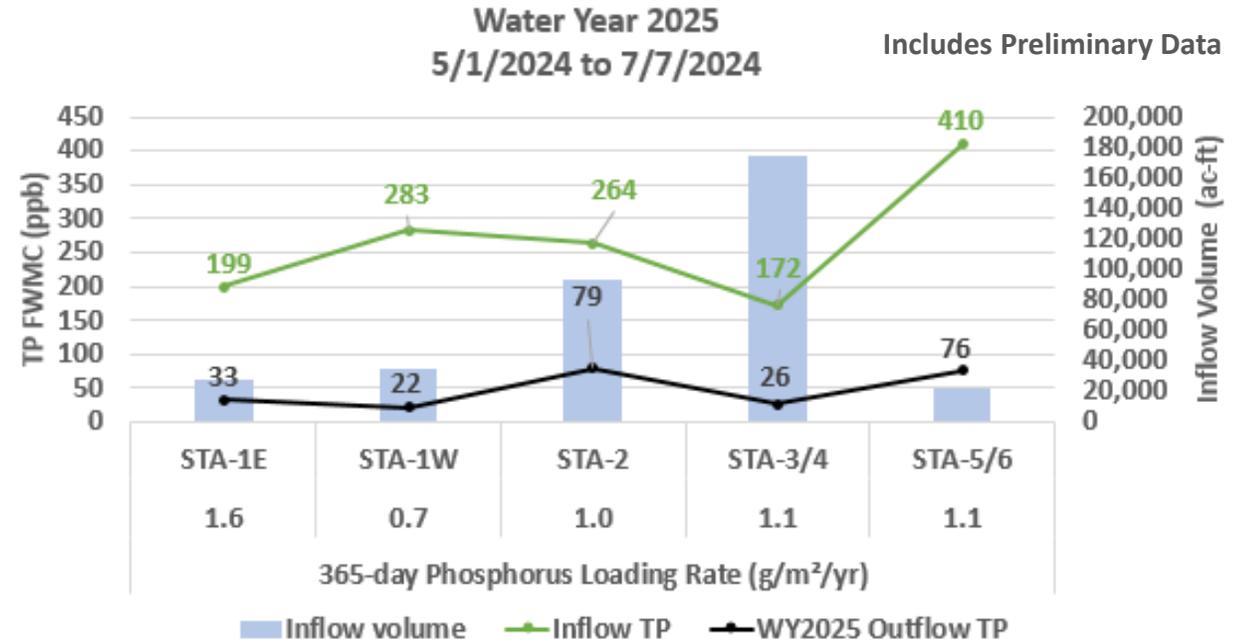


2025(p): Data from May 1, 2024 to July 5, 2024. Total STA Inflow includes inflows to STA -1E, STA-1W, STA-2, STA-3/4, and STA-5/6.

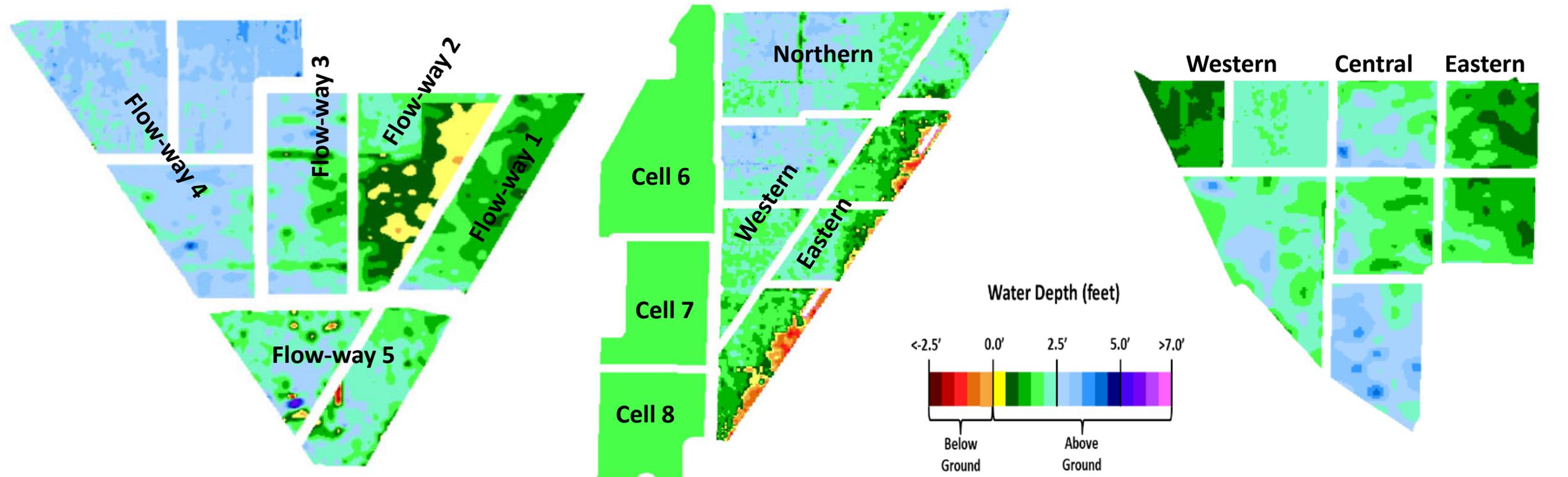
La Niña Water Years

Everglades Stormwater Treatment Areas - STAs

- STAs treated basin runoff and Lake Okeechobee releases in June
 - Total WY2025 inflows to STAs (5/1/2024 to 7/7/2024): ~352,000 ac-ft
 - Lake Okeechobee releases to FEBs/STAs in WY2025: ~69,300 ac-ft
- Extensive vegetation management activities underway to address stressed and highly stressed vegetation in EAV cells
- Most treatment cells are above target depth



Stormwater Treatment Areas Water Depths



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

STA-2

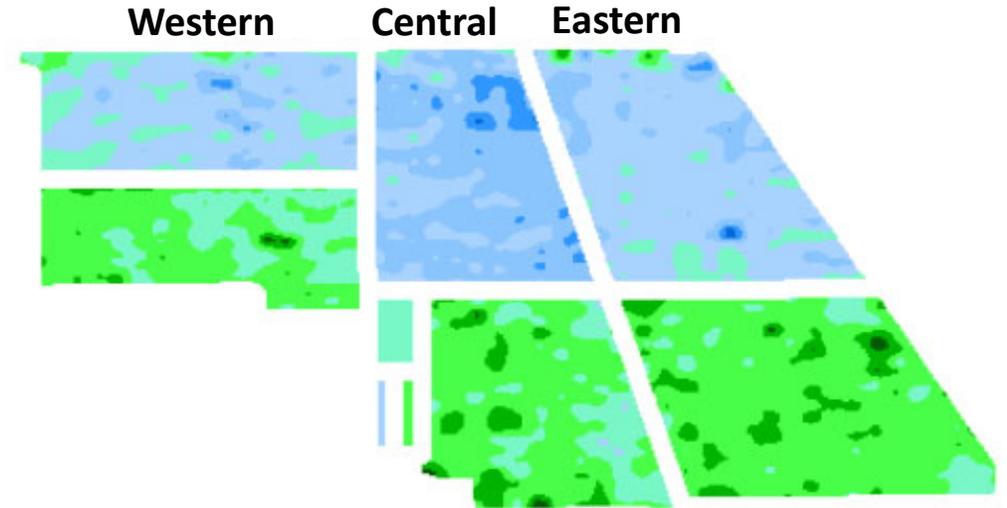
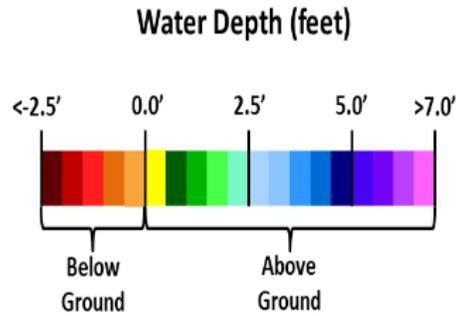
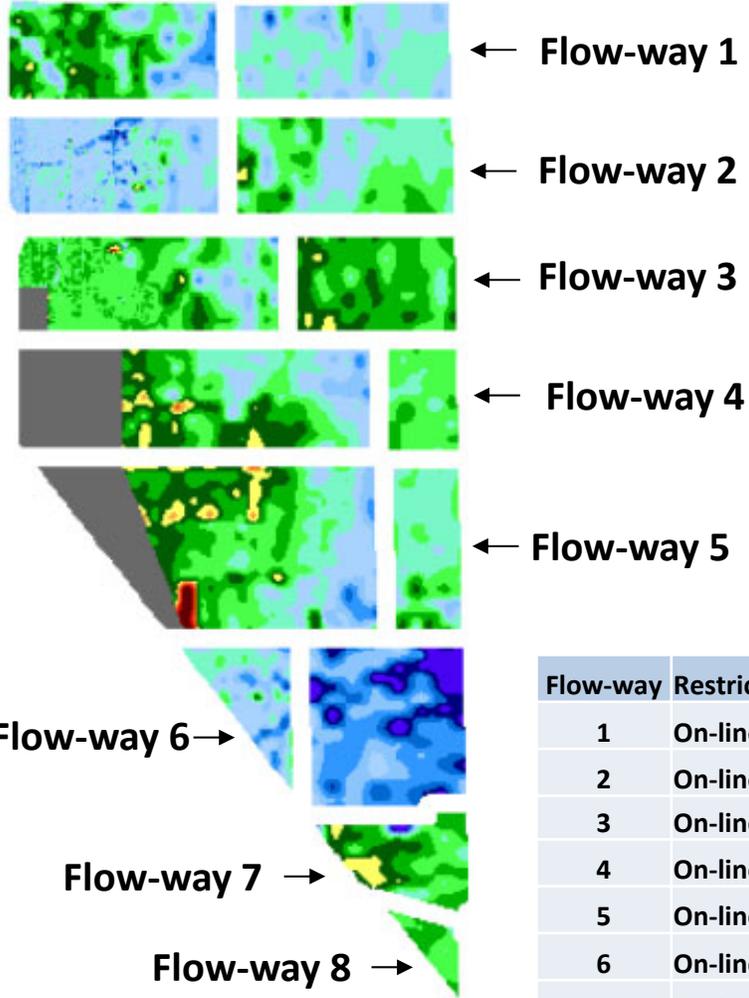
Flow-way	Restrictions
Northern	On-line
Eastern	On-line
Western	On-line
Cell 6	On-line
Cell 7	On-line
Cell 8	On-line

STA-1W

Flow-way	Restrictions	Back on-line
Western	On-line; post-construction grow in	
Central	On-line	
Eastern	Off-line; Cell 2 post-erosion repair vegetation grow-in	Fall 2024

STA-1E

Stormwater Treatment Areas Water Depths



Flow-way	Restrictions
1	On-line
2	On-line
3	On-line
4	On-line
5	On-line
6	On-line
7	On-line
8	On-line

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

STA-3/4

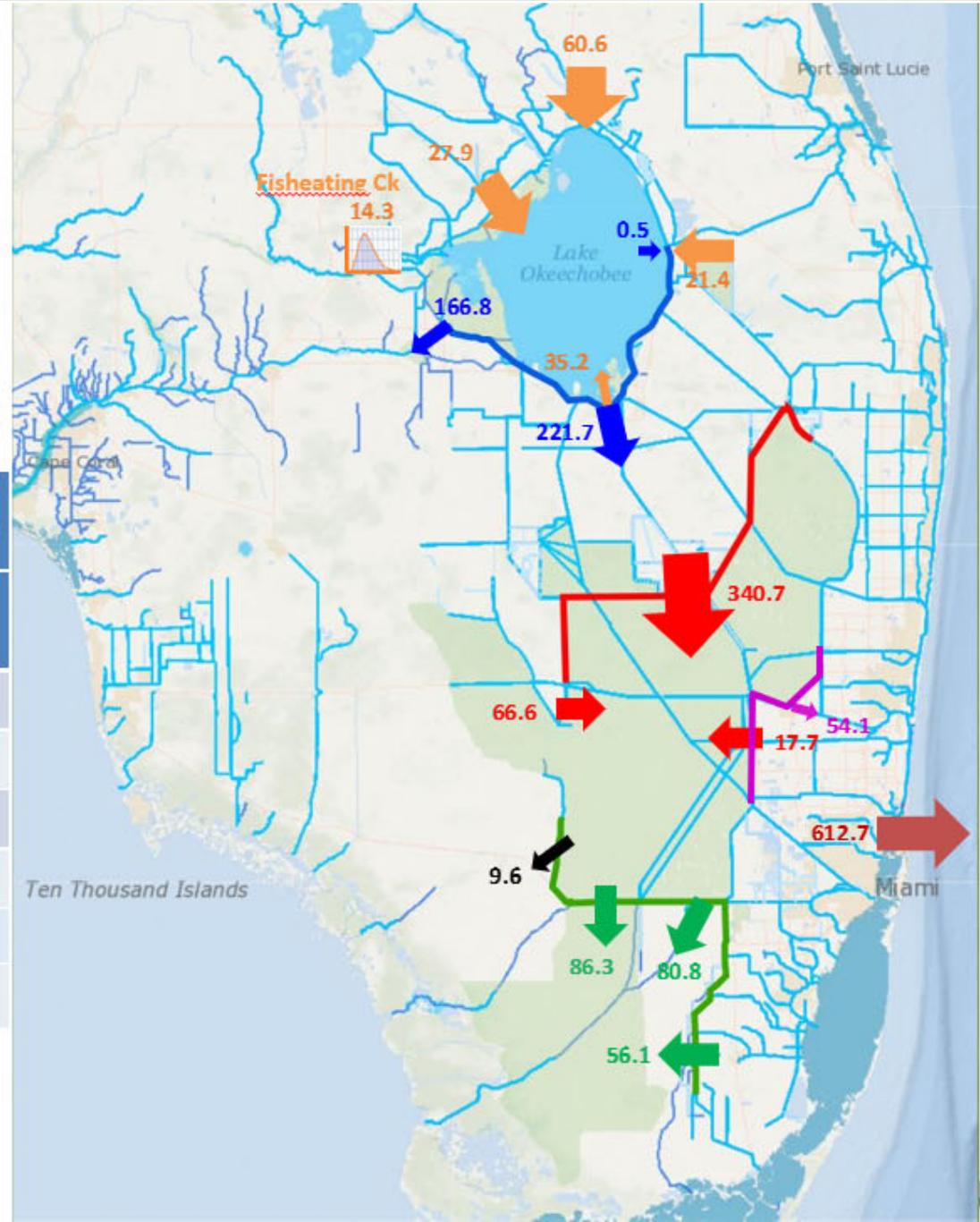
STA-5/6



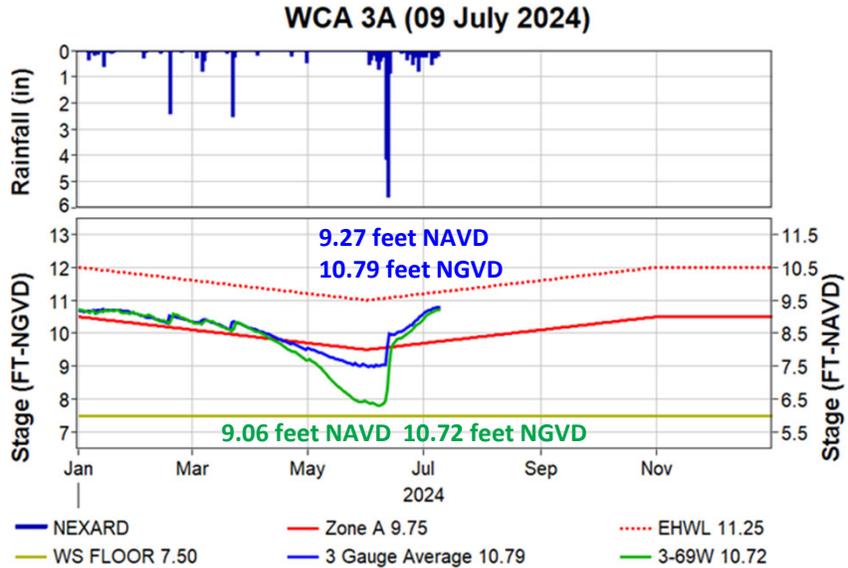
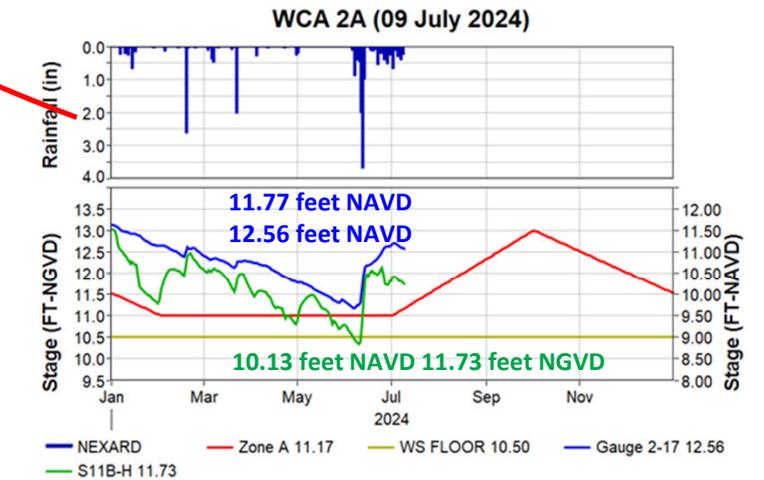
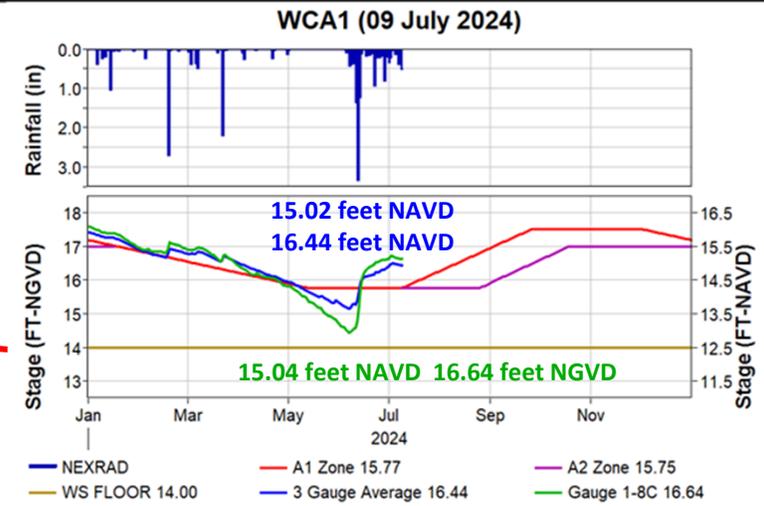
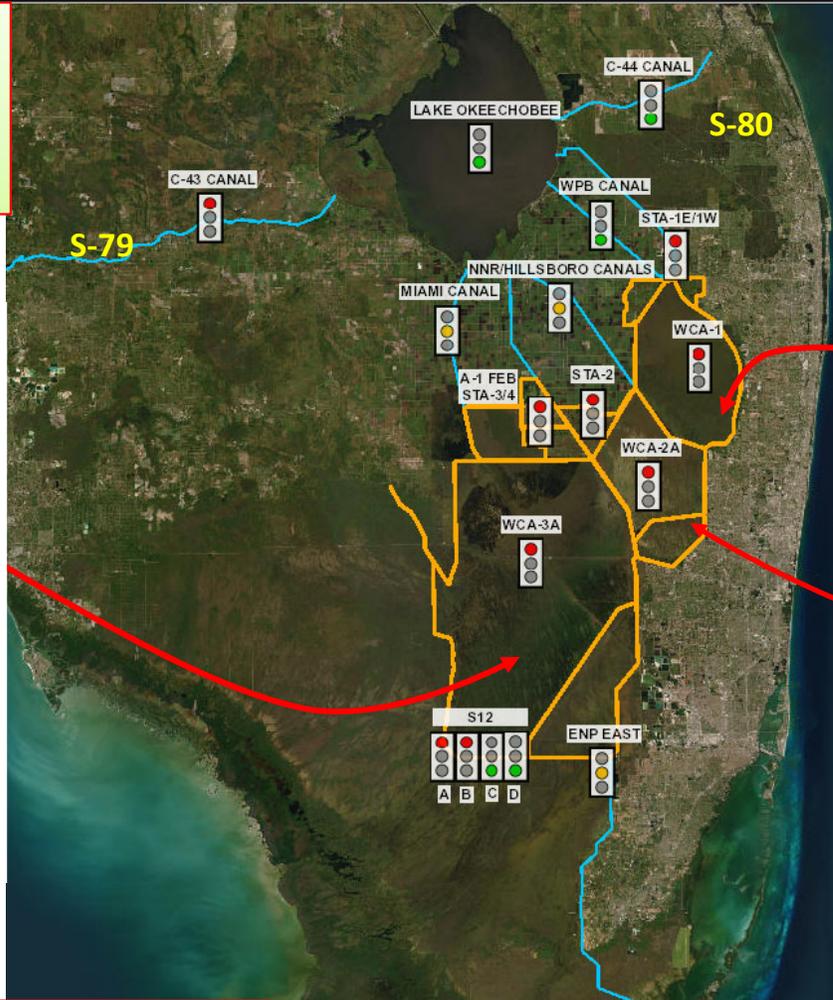
**SFWMD –Volumes Flowing
Down the System for the
Period May 1, 2024 to July 9, 2024**
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2025	Last Month
	Lake Okeechobee Inflows	159.4	135.2
	Lake Okeechobee Outflows	389.0	13.3
	WCAs Inflows	425.0	390.0
	ENP / Detention Cell Inflows	223.2	153.2
	WCAs to East	54.1	38.6
	Flows to Intracoastal	612.7	573.0

1,000 acre-feet = 325.9 Million Gallons



Lake Okeechobee stage is in the Low Sub-band of the LORS-2008 Regulation schedule. LORS release guidance suggests Up to Maximum Practicable to the WCAs if desirable or with minimum Everglades impact; otherwise, no Releases to WCAs. S-79 up to 450 cfs and S-80 up to 200 cfs.

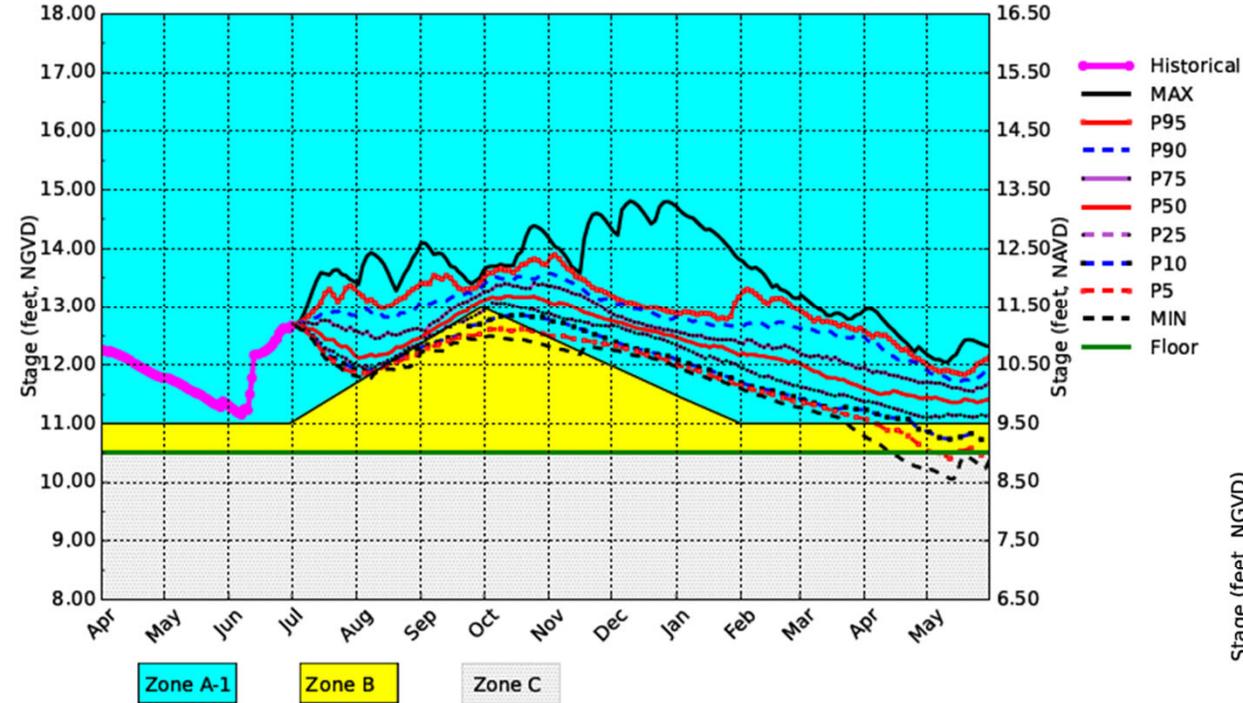


For this week, the Tamiami Trail Flow Formula calls maximum releases from WCA-3A to NESRS. Current L-29 stage constraint is at 7.0 feet NAVD (8.5 feet NGVD). South Dade Conveyance System is stable. S-335 and S-338 are open. S-356 is pumping. G-211 is closed. S-332B and D are pumping as needed. S-176 and S-177 are closed. S-18C is 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 4.0 to 4.5 ft NGVD in the C-357 canal. S199 and S200 are pumping as needed to maintain the stage in the canal within range.

WCA-1 stage is above regulation schedule; WCA-2A stage is above regulation schedule; WCA-3A stage is above regulation schedule in Zone A. S-10s are closed. S11s are open ~2,200 cfs. S12A/B are closed, and S12C/D are open ~1,800 cfs. S-333 and S-333N are passing ~500 cfs. S-343 A and B closed. Interior structures to WCA-3A S-339 and S-340 are open. WCA-1 releases to tide S-39 through Hillsboro Canal ended July 9th. WCA-2A reg releases through C-14 (S-38 ~400 cfs) and NNR (S-34E ~300 cfs). WCA-3A to tide via S-151 (~200 cfs), S-31 (~250 cfs) into the C-6 canal and then S-26 (~400 cfs). S-12A, S12-B and S-343A/B can be opened on July 15th.

WCA2A SFWMM July 2024 Position Analysis

Percentiles PA

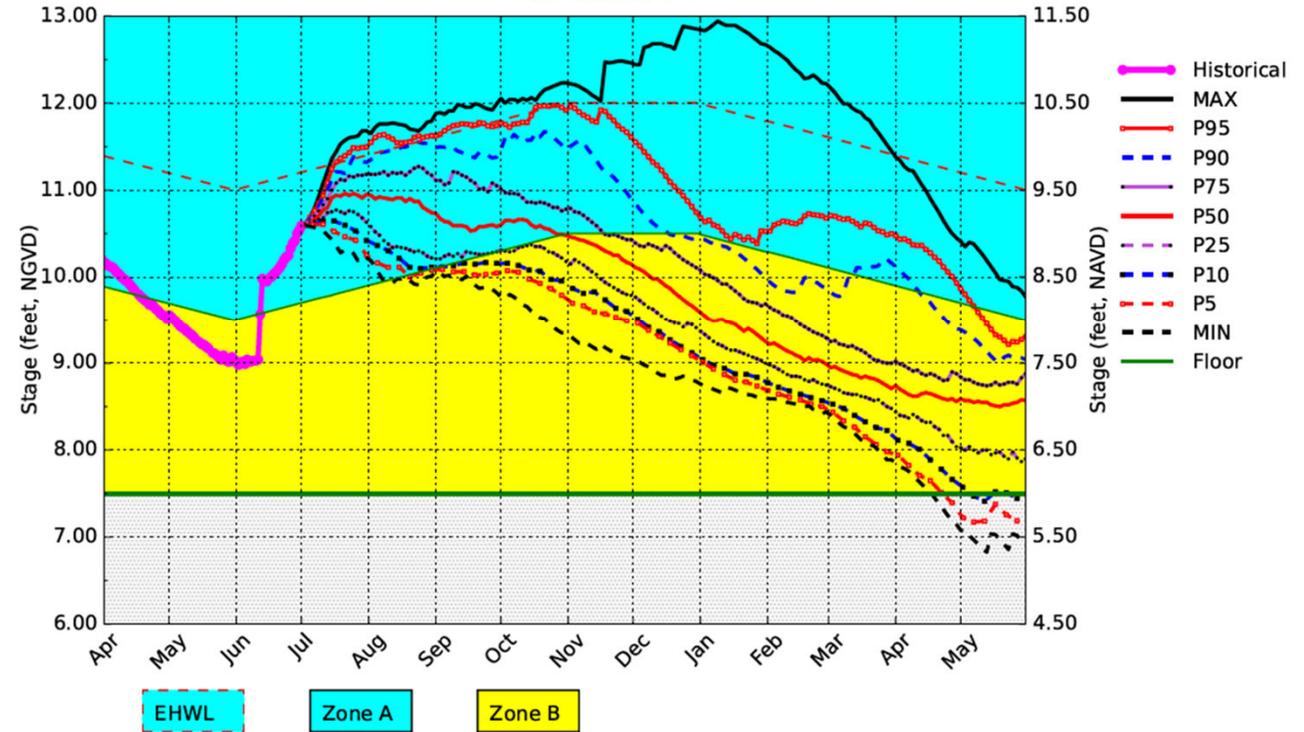


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(See assumptions on the Position Analysis Results website)

WCA3A SFWMM July 2024 Position Analysis

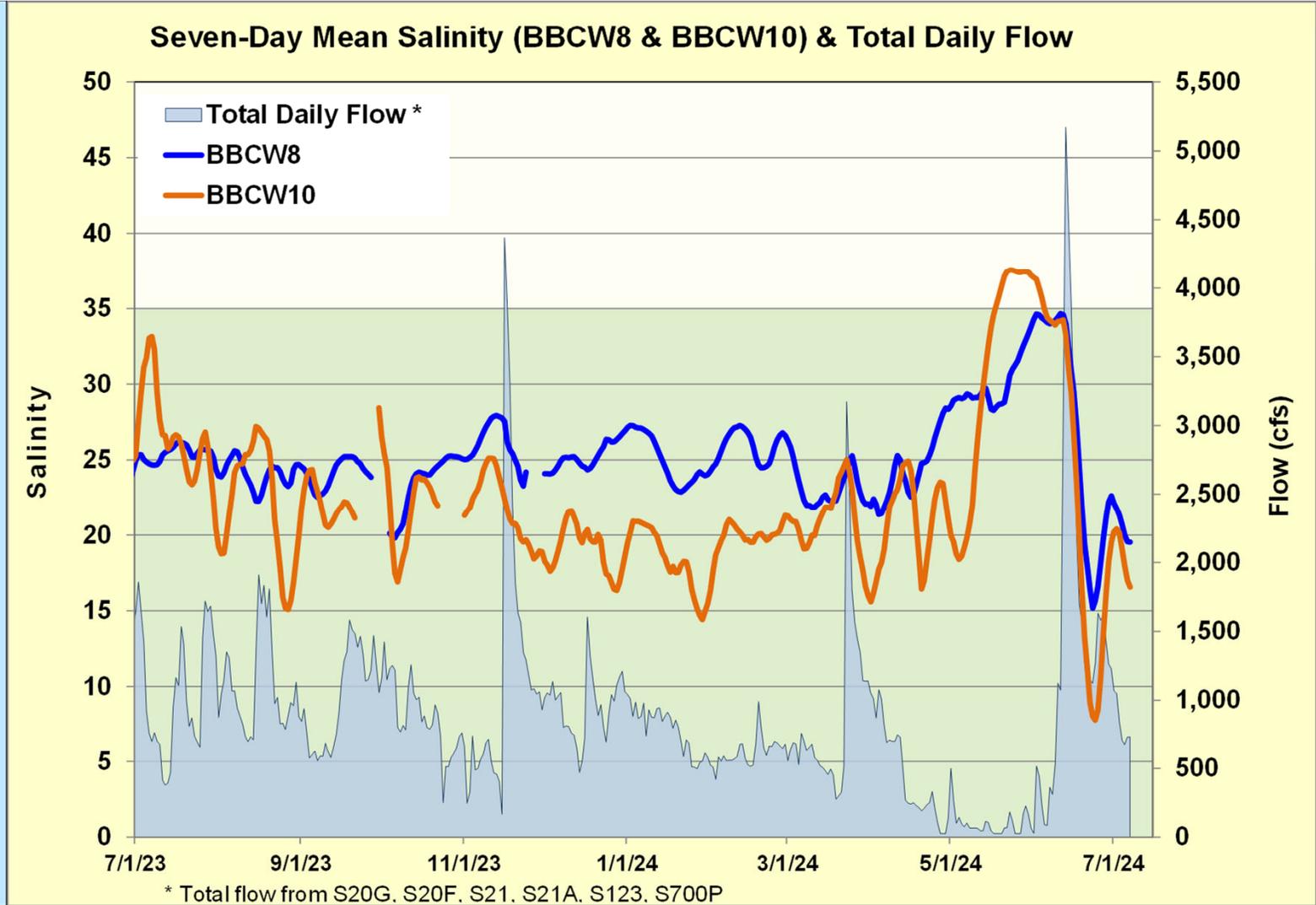
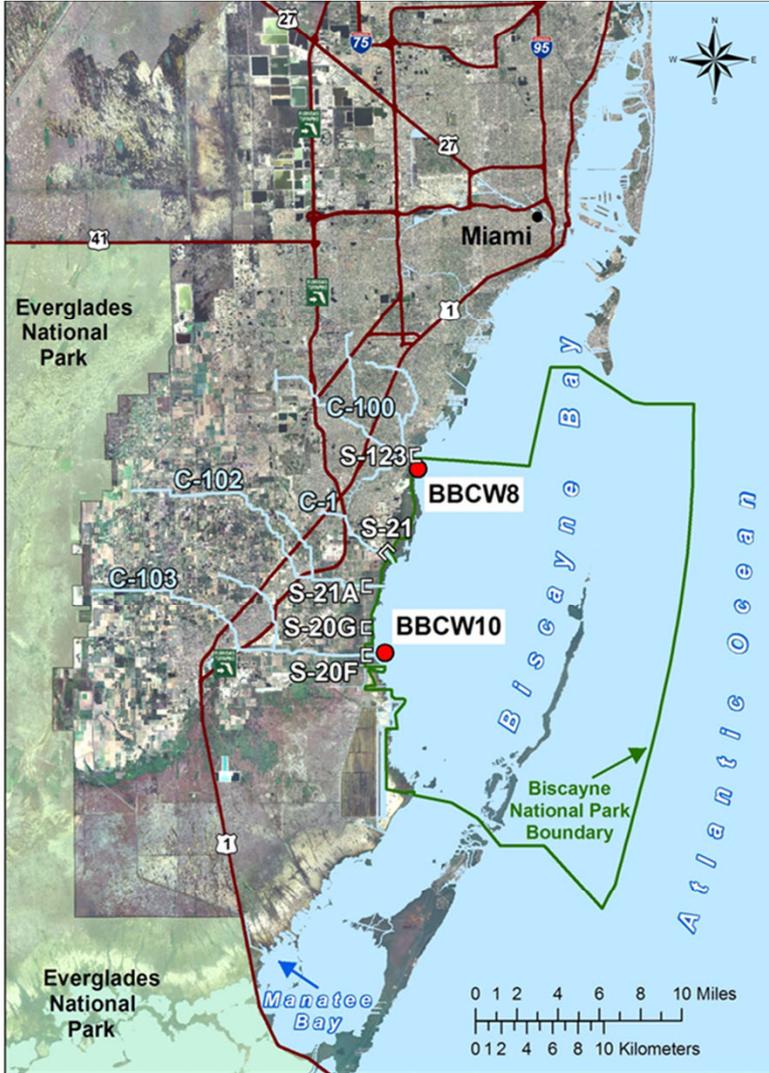
Percentiles PA



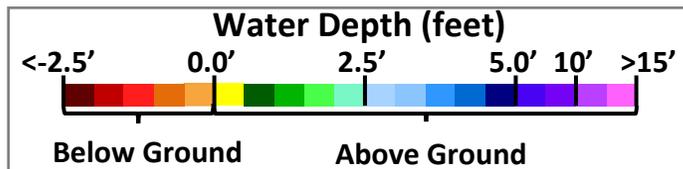
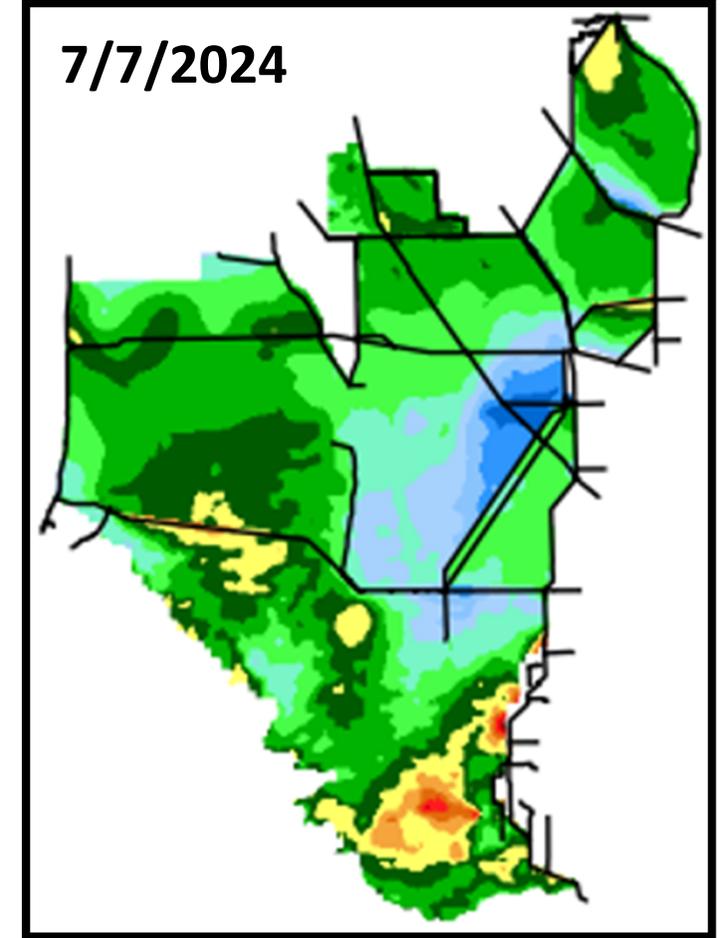
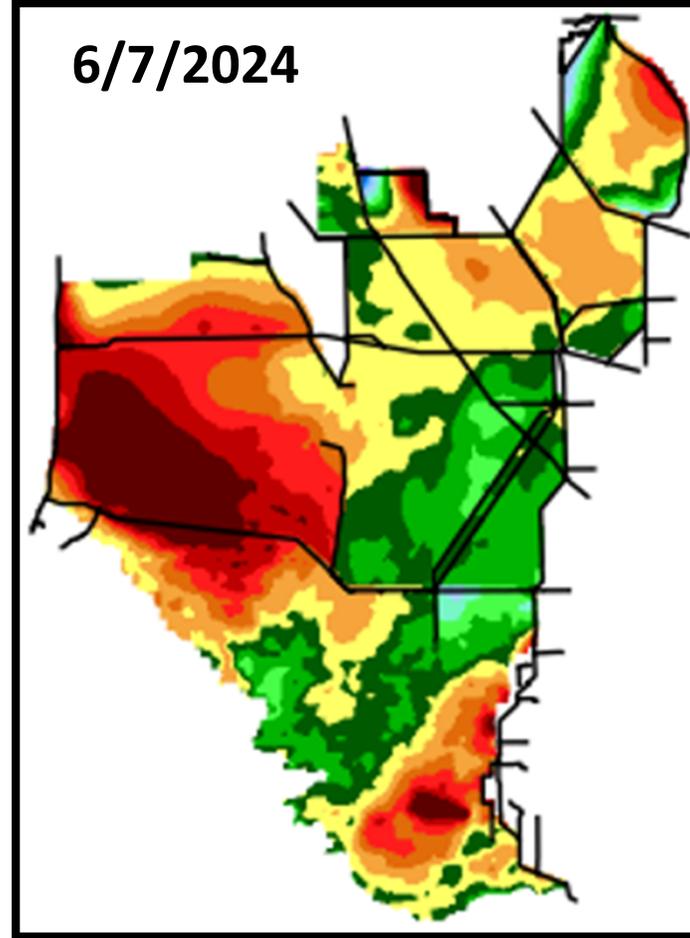
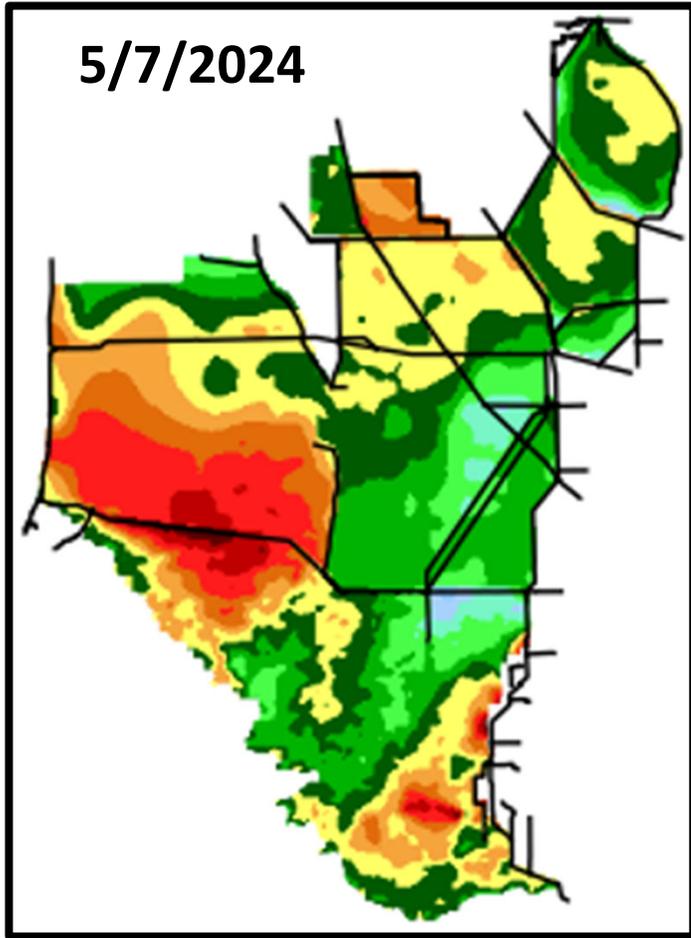
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(See assumptions on the Position Analysis Results website)

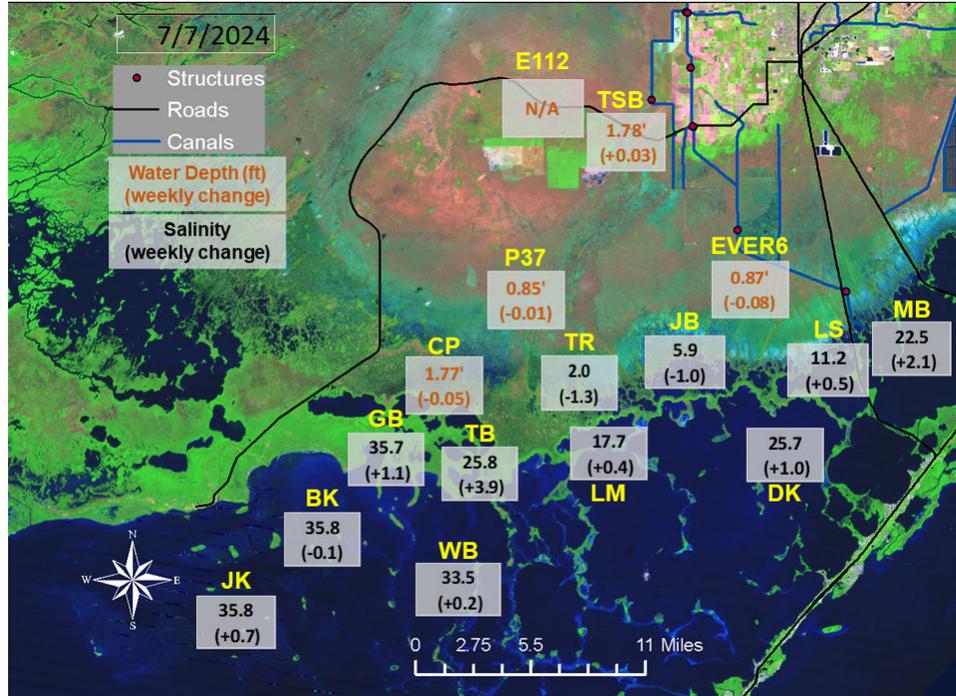
Biscayne Bay Salinity Conditions



Everglades Water Depths

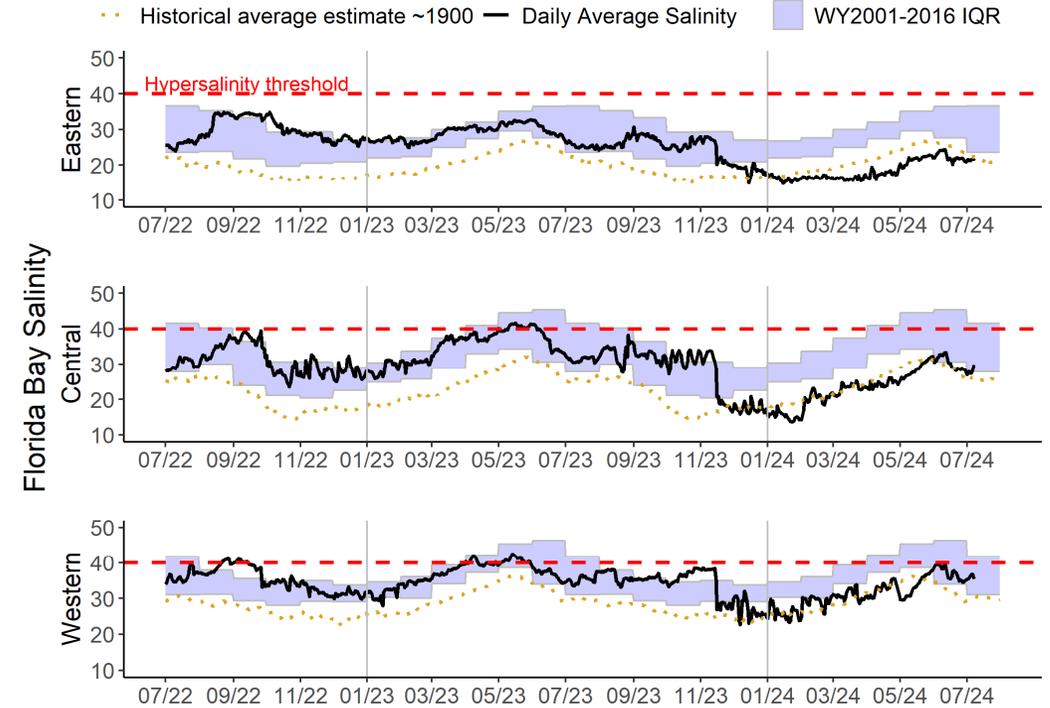
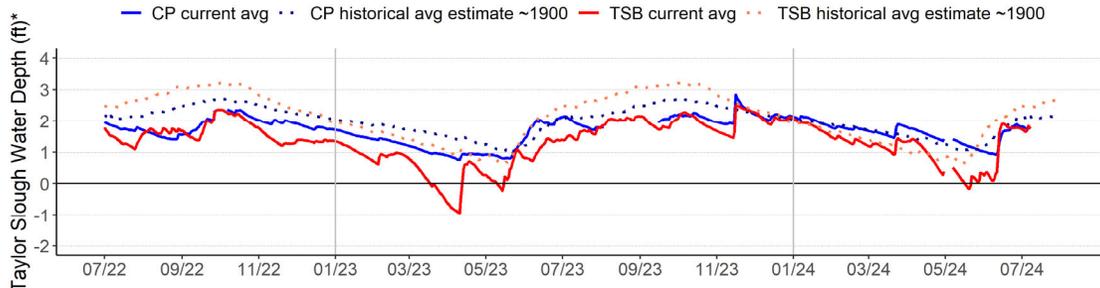


Florida Bay Salinity

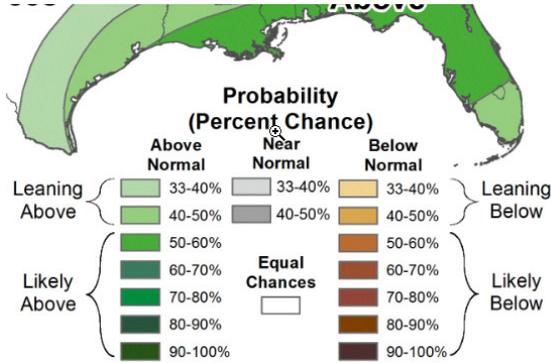


Taylor Slough Water Depths

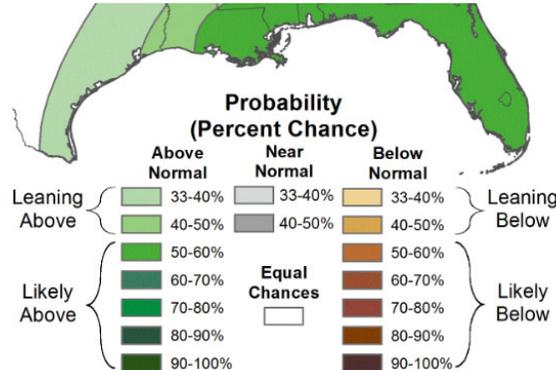
*note: calculated using ground surface elevations values (NAVD88) from EDEN



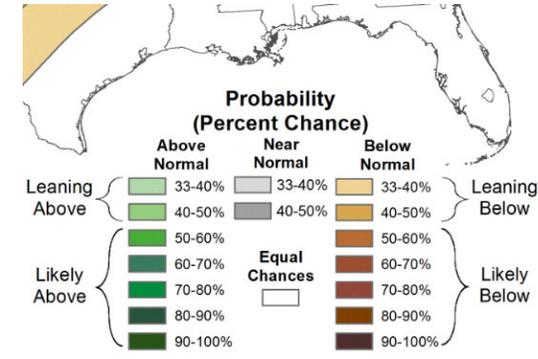
CPC Precipitation Outlook for South Florida



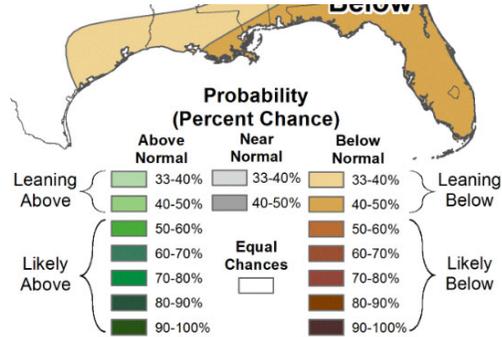
Jul 2024



Jul 2024 – Sep 2024



Sep 2024 – Nov 2024



Feb 2025 – Apr 2025

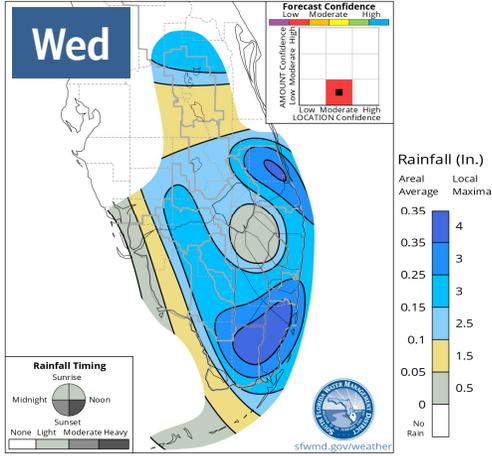
Updated June 20, 2024

- The most recent CPC precipitation outlook for Jul 2024 is for increased chances (40-50%) of above Normal rainfall for the Lake Okeechobee and south, and substantial increased chances (50-60%) of above Normal rainfall for the remainder of the District.
- The 3-month window of Jul 2024 - Sep 2024 shows substantial increased chances (50-60%) of above Normal rainfall for south Florida. The 3-month window of Aug 2024 - Oct 2024 indicates increased chances (40-50%) of above Normal rainfall for the entire District.
- The transition into the 2024 – 2025 Dry Season goes through the 3-month window of Sep 2024 – Nov 2024 with equal chances of below, normal, and above normal (EC) for south Florida.
- The 3-month window of Oct 2024 – Dec 2024 shows increased chances (40-50%) of below normal rainfall for areas north of the EAA, and slightly increased chances (33-40%) of below normal for the respective remainder areas of the District.
- The 3-month windows of Nov 2024 – Jan 2025, Jan 2025 – Mar 2025 and Feb 2025 – Apr 2025 show outlooks for increased chances (40-50%) of below normal rainfall for the entire District.
- The 3-month window of Dec 2024 – Feb 2025 signals substantial increased chances (50-60%) of below normal rainfall for south Florida.
- The transition into the 2025 wet season shows equal chances (EC) of rainfall for the state of Florida.

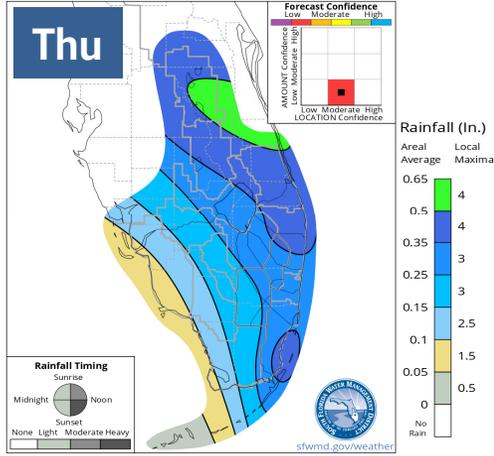
<https://www.cpc.ncep.noaa.gov/products/predictions/30day/>

Short-, Medium-, & Extended-Range Outlooks

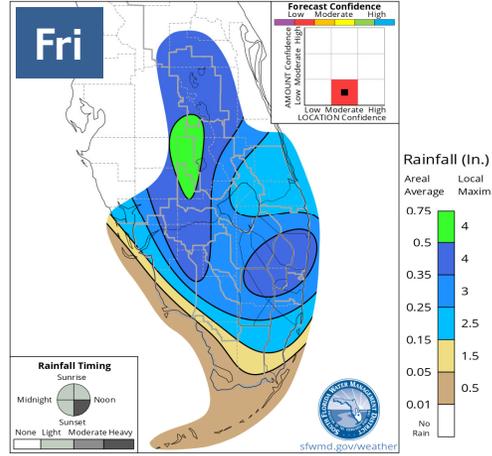
SFWM Quantitative Precipitation Forecast (QPF)
Day 1 24-Hour Period Beginning 8am EDT Wednesday



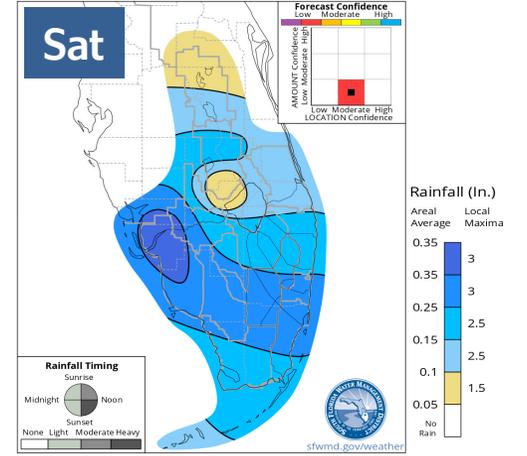
SFWM Quantitative Precipitation Forecast (QPF)
Day 2 24-Hour Period Beginning 8am EDT Thursday



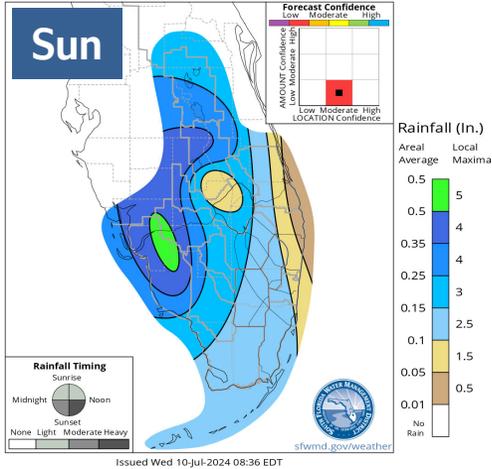
SFWM Quantitative Precipitation Forecast (QPF)
Day 3 24-Hour Period Beginning 8am EDT Friday



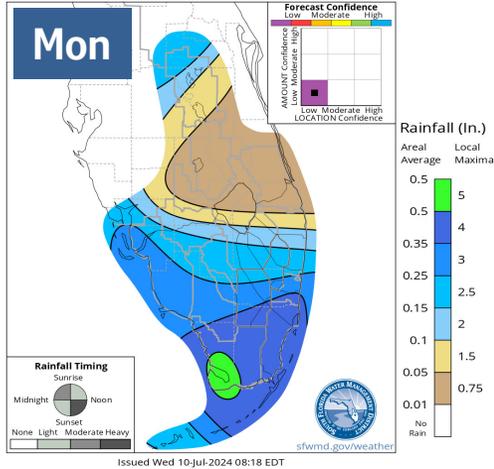
SFWM Quantitative Precipitation Forecast (QPF)
Day 4 24-Hour Period Beginning 8am EDT Saturday



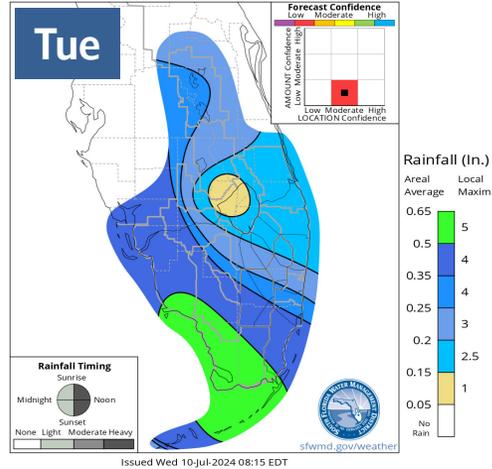
SFWM Quantitative Precipitation Forecast (QPF)
Day 5 24-Hour Period Beginning 8am EDT Sunday



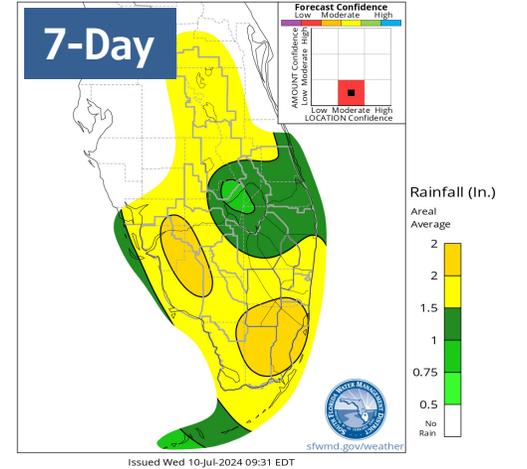
SFWM Quantitative Precipitation Forecast (QPF)
Day 6 24-Hour Period Beginning 8am EDT Monday



SFWM Quantitative Precipitation Forecast (QPF)
Day 7 24-Hour Period Beginning 8am EDT Tuesday



SFWM Quantitative Precipitation Forecast (QPF)
Days 1-7 Total Accumulated Precipitation



Weekly Summary

Week 1 (Historical Avg: 1.61"): Near normal
Week 2 (Historical Avg: 1.59"): Uncertain (conflicting signals)



C-44 Reservoir, currently in operational testing and monitoring period.

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 – Under construction.

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: Construction is complete. Permanent power was delivered to pump station on March 5, 2024 and endurance testing was completed. Operation, Testing, and Monitoring Period is underway.
- Contract 5B – Pump Station S-703 and Recreational Sites: Final inspection took place on March 5, 2024 between USACE, SFWMD, FDEP, and contractor. Endurance testing began May 13, 2024 and the final punchlist was received. Work is ongoing to bring permanent power to the pump station.

- Contract 5C – Pump Stations S-710 and S-711, Seepage Canal C-711W: Seepage canal berm and spreader canal construction are substantially complete. S-711 Control Building is complete. Permanent power work by FPL is being scheduled for both S-710 and S-711.

Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)

Lead Agency: USACE

Anticipated Completion Year: TBD

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; A planning study waiver request for scope, schedule and budget is in development to complete the study. The project team is evaluating the third round of alternatives and will identify the final array of alternatives before selecting a plan for TSP assurances modeling.

Next Milestone: The Tentatively Selected Plan milestone is expected to shift to August 2025 due to increased scope and design requirements.

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 2025.
- Contract 3 – C-11 Impoundment Pump Station: Design is in progress, and the construction award is expected in FY26.
- Contract 4 – WCA3A Seepage Management Area: Design to begin in 2025.
- Contract 5 – C-9 Impoundment: Design to begin in 2026.

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. Ribbon cutting event held on December 19, 2023.
- Package 4 – Reservoir: Bridge approach slabs, cattleguard vaults and guardrails are completed, concrete work at S-471 completed, soil cement (buttress) 21.5 of 22 miles completed, soil cement (slope) 8.5 of 22 miles completed, Townsend Canal sheet pile installation north of power lines 95% completed, perimeter canal and intake canal works are 85% wave wall production ongoing and deliveries to the site continue. Sand column relief manifold (north reach) has commenced, bids for south reach received and contracts are issued, S470 discharge structure has saxophone discharge piping installed and placement of concrete and discharge piping installation is underway. Piezometer wells are 65% completed. S475 Roller gate and S471/473 embedments were delivered in June.

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 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 has been completed, the construction contract was advertised February 23, 2024, proposals were received April 9, 2024, and are being evaluated. Construction award expected end of FY24.
- Contract 11C - S-636 Seepage Pump Station: Design began in March 2023, and the construction award is expected in September 2026.
- Contract 10A - Seepage Inflow/Outflow Canal: Environmental monitoring and pre-construction survey work continues. De-mucking, clearing, and grubbing activities are complete for the base contract. Excavation of the canal footprint continues and is 55% complete. Seepage canal and inflow/outflow canal blasting is ongoing. Embankment construction began and the excavated material is being processed and tested.
- Contract 11A - Foundation Preparation & Cutoff Wall: Contractor mobilized to the site in Aug. 2023 and is progressing through submittals. Clearing, grubbing and de-mucking of borrow pit areas 2 and 3 is complete with borrow area 5 being 65% complete. Drilling and blasting of borrow area 3 is ongoing. Construction of the access and haul roads on the eastern perimeter is nearing completion. Construction of the east side batch plant slab (near borrow area #3) is ongoing and 87% complete. Site access improvements are 25% complete.
- Contract 12: S-623 Reservoir Inflow Pump Station: In design and will be awarded for construction by SFWMD in Fall 2024.

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

Lead Agency: SFWMD

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 commenced end of January 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: Construction Notice to Proceed issued on June 20, 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 FY 2025.

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

Lead Agency: SFWMD

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: Complete - Ceremonial Ribbon Cutting was held on April 24, 2024.

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.

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 Q3 FY2025.
- Contract 7A - L-4 Canal Improvements & Distribution Features & S-630 Gated Culverts are in design.
- Contract 7B - S-8 Pump Station Modifications is in design and Phase 1 construction contract Notice to Proceed issued on April 8, 2024.
- Contract 8A - L-5 Canal Improvements is in design to be constructed in two packages.
- Contract 8B - Miami Canal Backfill and Vegetated Hammocks survey is complete, and design is underway.

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: At S-631 the cofferdam construction is complete and surface water removal and guardrail installation has begun. Cofferdam construction is ongoing at S-632 and turbidity barriers are being installed. FDEP inspection complete and the batch plant setup continues.
- Contract 2A - Pump Station S-356E and S-334E Gated Spillway: Final design is complete, but construction contract advertisement delayed due to ongoing coordination with respect to the FDOT construction agreement. Contract award forecasted for May 2025 but may shift with this agreement issue.
- Contract 3B - S-355W Gated Spillway in L-29 Canal: Final design is complete. USACE, SFWMD, and FDOT completed negotiation of the FDOT construction agreement. However, after review by the Corps, further coordination between SFWMD and USACE is underway to determine the Corps' real estate needs at this location. The construction contract advertisement is delayed.
- 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; S-457 Pump Station wall pours have reached elevation 30 ft. NAVD88, canal excavation in Segment 1 is 80% and Segment 3 is 95% complete, Segment 2 canal excavation 50%, and Coca Cola Box Culvert construction is 30% complete.

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 4A – S-426 Pump Station, Afterbay, S-245 Culvert, PC-37 Canal and Structure: Final design has been completed and construction contract was advertised May 17, 2024. Contract award scheduled for September 2024.
- Contract 4B – S-425 Sag Culvert, S-426 Afterbay, and Reservoir Embankment Construction: The final design is expected December 2025.

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. Package 1 of the canal and structure construction contract was approved by the SFWMD Governing Board in April 2024, and Package 2 - Reservoir construction contract will be awarded in FY 2025.

Indian River Lagoon South – C-23/24 STA

Lead Agency: USACE

Anticipated Completion Year: 2026

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; Stormwater treatment areas (STA) Cells 1 and 2 are complete. Cell 3 and Cell 5 embankment construction is underway. Cell 4 clearing and grubbing is complete. All water control structures are 65% complete.

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. Project features include an 803-acre reservoir with 5,176 acre-feet of storage, a 532-acre STA, and a 250 cfs pump station.

Status: Design. Package 1 for Site Preparation estimated contract award in Q4 FY 2024.

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 Period (OTMP). Repairs to S-402 complete. Design of additional seepage management features is underway and argeting a construction award is expected in 2025 under a 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. A recreation plan is now being developed.

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 Army Corps of Engineers Jacksonville District has released the final Environmental Impact Statement (EIS) and Water Control Plan (WCP) on May 24, 2024. That began the 30-day review period. USACE Jacksonville District is targeting July 2024 to submit the Final EIS and WCP to Army Corp's South Atlantic Division for review and signing. The Final WCP will go into effect once reviewed and signed by USACE South Atlantic Division.

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 Jacksonville District has transmitted the final PIR to Corps higher headquarters for policy compliance review. The USACE is targeting a Chief's Report for the wetlands restoration in Summer 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.



The SFWMD and the USACE along with state officials and stakeholders celebrate the completion of the plugging of the Faka Union Canal, May 31, 2024.

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. All three Picayune pump stations and Miller Tram and Road Removal are complete. On May 31, 2024, the SFWMD and the USACE along with state officials and stakeholders celebrated the completion of the plugging of the Faka Union Canal, marking another major milestone on this project.

- Southwest Protection Feature Levee: Five of six lifts for the full seven miles are complete and the sixth lift is 50% complete with expected completion by September 2024.
- Conveyance Features (Design/Build Contract): U.S. 41 culverts construction completed January 2024. CR-92 construction underway and completion is expected by November 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 study is targeting a 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, Design & Construction; The 3x3x3 planning study waiver request, for schedule and budget to complete the study, was approved by the Assistant Secretary of the Army, for Civil Works, January 2024. The draft Project Implementation Report (PIR) and draft Environmental Impact Statement (EIS) were released for public comment 15 Dec 2023. A series of "open house" public meetings were held in December to discuss the project. In-person and virtual National Environmental Policy Act (NEPA) Public Meetings were held January 17 & 18, 2024. USACE District Quality Control (DQC) review was completed April 15, 2024. The final PIR and EIS will undergo Agency Technical Review (ATR) beginning on April 29, 2024. The Jacksonville District transmitted the final PIR/EIS to Corps higher headquarters for policy compliance reviews on June 13, 2024. The USACE is targeting a Chief's Report in September 2024 for inclusion in WRDA 2024.

- Region 4 Design and Construction – L-28 Culverts under construction, Notice to Proceed issued in April 2024. Modeling complete, geotechnical work ongoing and design commenced for 11-Mile Road, US-41 and Loop Road Culverts.



Northern Everglades and Estuaries Protection Program (NEEPP)

Progress Update – July 2024

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) PROGRESS UPDATE

In support of the NEEPP Watershed Construction Projects, water storage was comprehensively evaluated by the District using the Northern Everglades Regional Simulation Model in the Watershed Protection Plans (WPPs) for Lake Okeechobee in 2008 and for the St. Lucie and Caloosahatchee River Watersheds in 2009. The SFWMD kicked off the 2025 SFER – Volume I efforts, which cover the 5-Year WPP Updates in Chapters 8B, 8C, and 8D for the Lake Okeechobee, St. Lucie River, and Caloosahatchee River watersheds, respectively.

As part of these WPP updates, the 2025 NEEPP Watershed Protection Plan Modeling Update was launched, in line with NEEPP requirements to develop the appropriate water quantity storage goal to achieve the desired Lake Okeechobee range of lake levels and inflow volumes to the Caloosahatchee and St. Lucie estuaries while meeting the other water-related needs of the region, including water supply and flood protection. This information is also intended to aid in further integration with the Florida Department of Environmental Protection’s (DEP) Northern Everglades Basin Management Action Plans (BMAPs), which will be updated by July 1, 2025. Looking ahead, the modeling update is planned to be included as Appendix 8A-1 in the draft 2025 SFER – Volume I public and peer-review process for feedback prior to final publication.

INTERAGENCY SPOTLIGHT

DEP’s *Statewide Annual Report on Total Maximum Daily Loads, Basin Management Action Plans, Minimum Flows or Minimum Water Levels, and Recovery or Prevention Strategies*, and the Florida Department of Agriculture and Consumer Services (FDACS) *Status of Implementation of Agricultural Nonpoint Source Best Management Practices* were published. Both annual progress reports for the 2023 reporting period can be found under *Key Information and References* at [SFWMD.gov/WPPs](https://www.sfwmd.gov/WPPs).

The Statewide Annual Report 2023

The state of Florida is prioritizing the protection and restoration of our waterways by implementing sound, science-based solutions to current and future environmental challenges. Under the leadership of Governor Ron DeSantis, the Florida Department of Environmental Protection (DEP) is working with local, state and federal partners on short- and long-term strategies to protect water quality and quantity, including investment in long-term restoration projects. DEP has prepared the 2023 Statewide Annual Report (STAR) to



Total Maximum Daily Loads	Basin Management Action Plans	Alternative Restoration Plans	Minimum Flows and Water Levels	Recovery and Prevention Strategies	Contacts and Project Data



A bird’s-eye view of Rafter T Ranch, a public-private partnership project in the Lake Istokpoga Subwatershed, which retains stormwater runoff and direct rainfall within low-lying pasture and reservoir areas totaling more than 2,600 acres.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) PROGRESS UPDATE

DEP's *Statewide Annual Report on Total Maximum Daily Loads, Basin Management Action Plans, Minimum Flows or Minimum Water Levels, and Recovery or Prevention Strategies* (STAR, dated July 1, 2024) was completed. This comprehensive annual report provides updates on 6,000+ water quality restoration projects being implemented in over 30 active BMAPs across the state. It is presented via an interactive Story Map and includes a database on all BMAP projects during the 2023 reporting period that can be downloaded into an Excel spreadsheet via the DEP website at floridadep.gov/dear/water-quality-restoration/content/statewide-annual-report.

On May 1, 2024, DEP launched the Water Quality Protection Grant Portal for Fiscal Year 2024-25. DEP has extended the deadline from June 30 to July 15, 2024, to accept project proposals for water-related grant programs for Fiscal Year 2024-25. Applicants are encouraged to submit proposals for all grant programs for which they may be eligible. More information on each of the grants can be accessed at protectingfloridatogether.gov/state-action/grants-submissions.

Over the past three years, DEP undertook stormwater rulemaking efforts, with the final rule filed with the Department of State in April 2023. During the 2024 legislative session, *CS/SB7040 – Ratification of the Department of Environmental Protection's Rules Relating to Stormwater*, was passed by the Florida Legislature and then approved by Governor Ron DeSantis on June 28, 2024. Overall, this rule addresses minimum performance standards for nutrients total phosphorus (TP) and total nitrogen (TN) and total suspended solids, stormwater management system design flexibilities, and maintenance and operations requirements. This final rule took effect on July 1, 2024. Further details are available at flsenate.gov/SessionBill/2024/7040.

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

FDACS Office of Agricultural Water Policy (OAWP) is working to revise nine existing Florida Agricultural Best Management Practices (BMP) manuals and rules. The notice of rule development for 5M-1 and the Cattle, Specialty Fruit & Nut, Poultry, Dairy, Citrus, and Nursery Manuals and the notice of proposal rule for the Sod Manual were recently published. For a complete list of rule development activity, please see the OAWP website at fdacs.gov/divisions-offices/agricultural-water-policy/rule-development-activities.

FDACS completed the annual *Status of Implementation of Agricultural Nonpoint Source Best Management Practices Report* for calendar year 2023 and submitted it to the Governor, President of the Florida Senate, and Speaker of the Florida House of Representatives at the end of June. To view data and maps in an interactive environment, can be found at fdacs.gov/Divisions-Offices/Agricultural-Water-Policy.

Highlights within the NEEPP area include:

- **Lake Okeechobee BMAP:** 93% of irrigated agricultural lands and 84% of all agricultural lands are enrolled in FDACS BMP programs. 85% of enrollments requiring implementation verifications (IV) site visits had one in 2023.
- **Caloosahatchee BMAP:** 94% of irrigated agricultural lands and 87% of all agricultural lands are enrolled in FDACS BMP programs. 93% of enrollments requiring IV site visits had one in 2023.
- **St. Lucie BMAP:** 88% of irrigated agricultural lands and 75% of all agricultural lands are enrolled in FDACS BMP programs and are enrolled. 90% of enrollments requiring IV site visits had one in 2023.
- As of June 1, 2024, FDACS has completed 93% of required IVs for agricultural operations within the NEEPP boundary. FDACS continues to collect and retain required nutrient application records as IVs are conducted.
- **The Rural and Family Lands Protection Program (RFLPP)** has been working to secure thousands of acres of agricultural land in their land preservation program, including another 1,800 acres in Okeechobee County.

A LOOK AHEAD

September 2024 (dates TBD) 2025 BMAP Update Meetings

DEP will be holding in-person meetings for all three Northern Everglades BMAPs. SFWMD will also participate in these meetings to share information on the upcoming 5-Year Watershed Protection Plan Updates. To stay informed on the upcoming meetings, please subscribe to DEP's announcement distribution list at floridadep.gov/dear/dear/content/subscribe#BMAP.

September 2024 (date TBD) NEEPP Annual Public Workshop

Held by the Coordinating Agencies at the District's Headquarters in West Palm Beach to collectively summarize our agencies' NEEPP key accomplishments and progress made over the past year. During this in-person event, there will also be an Open House with posters, where staff from the Coordinating Agencies will be available to share the latest information, engage with the public/stakeholders, and answer questions on NEEPP-specific topics of interest. Further details will be posted at SFWMD.gov/WPPs.

