



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

September 8, 2022

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. Employee Recognitions
September Employee of the Month: Neha Pandya, Section Leader
September Team of the Month: Biscayne Bay Coastal Wetlands Project Team
30-Year Service Award: Leslie Richards, Microwave Support Section Leader
4. Agenda Revisions
5. Agenda Item Abstentions by Board Members
6. Big Cypress Basin Board Report - Charlette Roman, Chair
7. Consider Approval of the Minutes for the August 11, 2022 Meeting
8. Consider Approval of the 2023 Governing Board and Committee Meeting Dates
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. Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc., Remote-Control Model Airplane Club, Miami-Dade County (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District purchased tract B7100-103, five acres from Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc., as well as the adjacent tract B7100-061, 109.36 acres for the L-31 North Project. The District currently leases 13.10 acres to Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc. to operate a remote-control model airplane club. This lease has been amended one time for a five-year lease extension and is set to expire on November 30, 2022. The District and the Lessee wish to extend the term of the lease by five years. The annual rent of \$5,895 is based on a new market rent appraisal.

Recommended Action:

Resolution No. 2022 - 0901 Authorize a five-year lease extension for a remote-control model airplane club to the existing Lease with Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc. on 13.10 acres, more or less, in Miami-Dade County. (Contract No. 4600001092-A02)

[Resolution No. 2022-0901](#)

[Resolution Exhibit A](#)

16. 10-Year Lease Extension for Tower Space, Palm Beach County (Staff contact, Stephen M. Collins)

Agenda Item Background:

The U.S. Department of Homeland Security, Bureau of Customs and Border Protection (Lessee) currently leases tower space on an existing radio tower owned by the District. The District entered into a contract with an effective date of October 1, 2012 for an initial three-year term and amended the Lease for an additional two years on July 16, 2015. The lease was extended for an additional five-year term with an effective date of October 1, 2017. The District and Lessee wish to extend this Lease for an additional ten years with an effective date of October 1, 2022. The revenues generated from this Lease will assist Land Management in managing this and other District-owned lands with \$36,000 in yearly revenue. Note that for security reasons, the exact location of the premises is not being published.

Recommended Action:

Resolution No. 2022 - 0902 Issue a ten-year lease extension to U.S. Department of Homeland Security, Bureau of Customs and Border Protection. (Contract No. 4600002700-A03)

[Resolution No. 2022-0902](#)

17. PBA Holdings, Inc., Equipment Storage and Staging Lease, Palm Beach County (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District acquired ten acres in 2007 in a multi-parcel land exchange from PBA Holdings, Inc. The property is located adjacent to the L-8 FEB Project in Palm Beach County. Staff is seeking Governing Board approval to enter into a ten-year lease with PBA Holdings, Inc. PBA Holdings, Inc. will sublease the property to FPL expanding their existing lease to FPL for equipment storage and staging. No building improvements will be permitted on the site. Revenue will be based on annual rent of \$18,000 per acre. This proposed lease was not competitively bid since PBA Holdings, Inc. is the only adjacent landowner.

Recommended Action:

Resolution No. 2022 - 0903 Authorize a ten-year open equipment storage lease to PBA Holdings, Inc. on ten acres, more or less, in Palm Beach County. (Contract No. 4600004645)

[Resolution No. 2022-0903](#)
[Resolution Exhibit A](#)

18. Right of Way Occupancy Permit Request (Staff contact, Rich Virgil)

Agenda Item Background:

Collier County (Applicant) requests Standard Right of Way Occupancy Permit Number 16475-R (ROW Permit) to install a bus shelter with related pedestrian improvements within the Henderson Creek right of way at the southeast corner of Collier Boulevard and Sabal Palm Road. The proposed location for the bus shelter lies within 40 feet of top of bank, which requires a waiver from District rules. If approved, the proposed work will not interfere with or adversely impact the District's routine or emergency operations, maintenance, or future construction activities.

Recommended Action:

Approve issuance of Standard Right of Way Occupancy Permit 16475-R and the associated petition for waiver to allow a proposed bus shelter to be installed within 40 feet of top of bank (Application No. 220720-35254).

[Backup Document](#)

19. Storage Hardware Maintenance Annual Renewal (Staff contact, Duane Piper)

Agenda Item Background:

The Information Technology Division uses EMC equipment and software to maintain and store the District's critical data. The storage infrastructure provides high availability and redundancy for numerous systems and protects this data from any unforeseen data loss. Select information is replicated remotely to the District's disaster recovery site.

This request is to issue annual purchase orders to Ahead, Inc. for storage hardware and software maintenance for the time period November 1, 2022 through October 31,

2025 using the National Association of State Procurement Officials ValuePoint Contract MNWNC-109. The annual cost will be negotiated each year at renewal time based on the current equipment being maintained. This contract was competed by another government agency.

Recommended Action:

Resolution No. 2022 - 0904 Authorize issuing annual purchase orders to Ahead, Inc. for storage hardware and software maintenance, using the National Association of State Procurement Officials ValuePoint Contract MNWNC-109, for the time period November 1, 2022 through October 31, 2025, in the amount of \$945,750 for which \$300,000 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Purchase Order Number 4500136688)

[Resolution No. 2022-0904](#)

20. Integration Software License Annual Renewal (Staff contact, Duane Piper)

Agenda Item Background:

The District uses MuleSoft software as the tool for integrating multiple enterprise systems such as our financial system (SAP), our hydrologic and data verification system (DBHYDRO/DCVP), Supervisory Control and Data Acquisition (SCADA), and our Decision Support System (ODSS). This software eliminated the requirement for District staff to write custom code which is very expensive to write as well as difficult to maintain and support.

This request is to issue annual purchase orders to Carahsoft Technology Corporation for MuleSoft software licenses for the time period November 1, 2022 through October 31, 2027, using the General Services Administration Schedule Number 47QSWA18D008F. This contract was competed by another government agency.

Recommended Action:

Resolution No. 2022 - 0905 Authorize issuing annual purchase orders to Carahsoft Technology Corporation for MuleSoft integration software licenses, using the General Services Administration Schedule Number 47QSWA18D008F, for the time period November 1, 2022 through October 31, 2027, in the total amount of \$1,555,902 for which \$281,579 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Purchase Order Number 4500136687)

[Resolution No. 2022-0905](#)

21. SAP Maintenance Renewal (Staff contact, Duane Piper)

Agenda Item Background:

SAP is the integrated Enterprise Resource Planning Software used for the District's core business functions such as accounting, finance, procurement, human resources, payroll, plant maintenance, and project management. Each year, the District enters into an annual purchase order with the manufacturer, SAP Public Services, Inc., for software maintenance for all SAP licenses which includes technical support, upgrades,

and access to the Support and Advisory Center. The District obtained this purchase order through a special procurement that is exempt from competition under Section 155-6, South Florida Water Management District's Policies and Procedures. This policy provides that licensing, warranty, compatibility requirements that limit the selection to the manufacturer, including purchases of parts, repairs or maintenance services from the original equipment manufacturer, seller or authorized repair facility are exempt from competition. This policy provides that all renewals for maintenance and licensing of proprietary computer software are exempt from competition.

This request is to issue annual purchase orders to SAP Public Services, Inc. for software maintenance and upgrades for the time period October 1, 2022 through September 30, 2027.

Recommended Action:

Resolution No. 2022 - 0906 Authorize issuing annual purchase orders to SAP Public Services, Inc. for software maintenance and upgrades, for the time period October 1, 2022 through September 30, 2027, in the total amount of \$3,760,153 for which \$680,493 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Purchase Order Number 4500136686)

[Resolution No. 2022-0906](#)

22. SAP Technical Resource (Staff contact, Duane Piper)

Agenda Item Background:

SAP technical resources are high salaried and difficult to hire and retain as full-time employees. In lieu of full-time positions, the SAP Solution Center uses staff augmentation services to provide SAP S/4 expertise to design, configure, and implement SAP Finance, Budget, and Audit support & reporting automation solutions. Information Technology is in the process of moving the District's Human Resource operations to Ultimate Kronos Group (UKG) and these resources will support the connection of UKG human resources data back to SAP S/4HANA allowing the finance, budget, and project management modules to continue to function as currently configured. In addition to providing daily operational Budget, Finance and Audit support, this resource will assist with this software implementation.

This request is to amend Purchase Order Number 4500132438 with Scony Realty LLC for a three-year extension, renewable annually, increasing the amount by \$891,779 for a revised purchase order total of \$1,141,769 for an SAP technical resource, using the State of Florida Information Technology Staff Augmentation Services Contract Number 80101507-21-STC-ITSA. This contract was competed by another government agency.

Recommended Action:

Resolution No. 2022 - 0907 Authorize an amendment to Purchase Order Number 4500132438 with Scony Realty LLC by increasing the amount of the purchase order by \$891,779 for a revised purchase order total of \$1,141,769 for a three-year extension, renewable annually, for an SAP technical resource, using the State of Florida Information Technology Staff Augmentation Services Contract

Number 80101507-21-STC-ITSA, for which \$282,880 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Purchase Order Number 4500132438)

[Resolution No. 2022-0907](#)

23. Certification of the District's 2022/2023 Annual Regulatory Plan (Staff contact, Julia Lomonico)

Agenda Item Background:

Florida law requires agencies to complete an annual regulatory plan to inform the Legislature and the public of agency rulemaking. The District's Governing Board and General Counsel must certify that they reviewed the plan and that the District regularly reviews its rules to determine if the rules remain consistent with the agency's rulemaking authority and the laws implemented by the agency's rules. The District must submit its certification along with the plan to the Joint Administrative Procedures Committee each year. The District publishes Notice of the plan in the Florida Administrative Register and provides notice and access to the plan on its website for 10 years after the date of initial publication.

Recommended Action:

Resolution No. 2022 - 0908 Certify to the Joint Administrative Procedures Committee that the Governing Board and General Counsel reviewed the District's 2022/2023 Annual Regulatory Plan and that the District reviewed its rules to determine if the rules remain consistent with the District's rulemaking authority and the laws implemented.

[Resolution No. 2022-0908](#)
[2022-2023 Regulatory Plan](#)

24. Florida Fish and Wildlife Conservation Commission, Cooperative Agreement for the South Florida Fisheries Habitat Assessment Program (Staff contact, Lawrence Glenn)

Agenda Item Background:

One of the main goals of the Comprehensive Everglades Restoration Plan for Florida Bay is to improve vital fisheries habitat by increasing the species diversity and aerial extent of seagrass communities. This proposed cooperative agreement with the Florida Fish and Wildlife Conservation Commission (FWC) is to continue seagrass and macroalgae monitoring within Florida Bay and the lower southwest coast. Data from this agreement will be used to assess estuarine changes and conditions associated with the C-111 Spreader Canal Western Project, Modified Water Deliveries, South Dade Conveyance System operations, Florida Bay Minimum Flows and Levels, and recovery from the 2015 seagrass die-off event. The monitoring program is specified in the RECOVER Monitoring and Assessment Plan as Component 3.2.3.3 and is also a component of the C-111 Spreader Canal Western Project Implementation Report monitoring plan. The proposed cooperative agreement is for three additional years of monitoring and 0.5 years of data analysis and reporting, at a total cost of \$1,156,563; with the FWC providing an estimated in-kind cost share of \$305,988 and the District providing \$850,575.

Recommended Action:

Resolution No. 2022 - 0909 Authorize entering into a 43-month cooperative agreement with the Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute for the purpose of supporting the Comprehensive Everglades Restoration Plan through implementation of the South Florida Fish Habitat Assessment Program in the amount of \$850,575 for which \$170,192 is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. The total cost of this monitoring is \$1,156,563 of which the FWC is contributing \$305,988. (Contract No. 44600004643)

[Resolution No. 2022-0909](#)

25. Contract with Florida International University for Biscayne Bay Coastal Wetlands Vegetation and Periphyton Monitoring (Staff contact, Lawrence Glenn)

Agenda Item Background:

The Biscayne Bay Coastal Wetlands (BBCW) Project is part of the Comprehensive Everglades Restoration Plan and is designed to eliminate point source discharges to Biscayne Bay by spreading water across coastal wetlands as sheet flow and thereby delivering freshwater to the bay in a more natural fashion. Various components of these wetlands are expected to benefit positively from increased sheet flow and are being monitored to evaluate project success and to satisfy specific permit conditions. The District currently has contracted with Florida International University to monitor vegetation and periphyton response in the Deering Estate component of the BBCW project. This contract would provide similar RECOVER monitoring in the L-31E Flow Way, North Canal Freshwater Wetland, and Cutler Wetlands Flow Way components of the BBCW project. The proposed three-year contract is to have Florida International University evaluate vegetation and periphyton response relative to hydrologic changes in the three aforementioned BBCW wetlands in an amount not-to-exceed \$352,704 subject to Governing Board approval of future years budgets. Costs for this contract are creditable and included in the District's total project cost estimate for Biscayne Bay Coastal Wetlands Restoration.

Recommended Action:

Resolution No. 2022 - 0910 Authorize entering into a three-year contract with Florida International University for the Biscayne Bay Coastal Wetlands Project Vegetation and Periphyton Monitoring, in an amount not-to-exceed \$352,704, for which \$115,329 is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004610)

[Resolution No. 2022-0910](#)

Technical Reports

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

Discussion Agenda

28. Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study (Staff contact, Ana Carolina Maran, Ph.D.)

Agenda Item Background:

Section 216 of the Flood Control Act authorizes the U.S. Army Corps of Engineers (USACE) to review the operation of projects constructed by the USACE in the interest of navigation, flood control, water supply and other related purposes when found advisable due to significantly changed physical or economic conditions. A study to reevaluate the Central and Southern Florida (C&SF) Project would proactively address flooding, water supply and other related risks to vulnerable communities due to changed conditions including sea level rise, weather patterns, land development and population growth. The purpose of the Section 216 Study is to build flood resiliency and reduce flood risks, now and into the future, in the communities served by the C&SF water management system. The Section 216 Study will focus on the highly vulnerable infrastructure that can reduce the most immediate flood risk to changing hydrodynamic and climate conditions, and the resilience aspects of such infrastructure. In order to proceed, the USACE and District are executing a Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study.

Recommended Action:

Resolution No. 2022 - 0911 Support the execution of the Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study, between South Florida Water Management District and the U.S. Department of the Army. (Contract No. 4600004644)

[Resolution No. 2022-0911](#)

29. Lake Okeechobee System Operating Manual (LOSOM) (Staff contact, Jennifer Reynolds)

Agenda Item Background:

The USACE is currently updating the Lake Okeechobee Regulation Schedule 2008 (LORS2008). The updated Lake Okeechobee System Operating Manual (LOSOM) has been under development since February 2019, and the USACE identified their final optimized lake schedule alternative in November 2021. The Draft Environmental Impact Statement and Water Control Plan (EIS/WCP) for LOSOM was posted for public review on July 29, 2022. For this agenda item, the Draft LOSOM EIS/WCP will be discussed with the Board.

30. Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County (Staff contact, Jennifer Reynolds)

Agenda Item Background:

As part of the Comprehensive Everglades Restoration Plan, the Biscayne Bay Coastal Wetlands (BBCW) - Cutler Flow Way Phase 1, Pump Station S-701 includes the construction of a new 400 cubic feet per second (cfs) pump station located on the C-1 Canal. The S-701 Pump Station will be an unmanned, remotely controlled pump station with three (3) 100-cfs and two (2) 50-cfs electric-motor-driven pumps.

The S-701 Pump Station, together with features to be constructed under a separate contract, will complete the BBCW - Cutler Flow Way Phase 1 Project. Pump Station S-701 will deliver freshwater from the C-1 Canal to a concrete lined channel approximately 7,000 feet in length. The concrete lined conveyance channel will run under SW 97th Avenue via a concrete box culvert to a micro tunnel under the L-31E Canal and SW 87th Avenue and discharge freshwater into a spreader canal approximately 2.5 miles in length. Upon exiting the spreader canal, the water will rehydrate coastal wetlands and reduce point-source freshwater discharge to Biscayne Bay and Biscayne National Park.

Recommended Action:

Resolution No. 2022 - 0912 Authorize entering into a 1,055-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for construction of the Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County, in the amount of \$35,847,000 for which \$15,000,000 in dedicated funds (Land Acquisition Trust Fund) is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004658)

[Resolution No. 2022-0912](#)

[Bid Tab Document](#)

[Backup Document](#)

Staff Reports

31. Monthly Financial Report - Candida Heater
32. General Counsel's Report - Julia Lomonico, Interim General Counsel
33. General Public Comment
34. Board Comment
35. Adjourn

Presentations for Agenda items 9, 26, 27, 28, 29, and 30.

Agenda Item Background:

[09 Bartlett Budget Highlights](#)

[26 Mitnik Water Conditions Report](#)

[27 Glenn Ecological Conditions Report](#)

[28 Maran FSCSA USACE C&SF Study](#)

[29 Reynolds LOSOM](#)

[30 Reynolds BBCW Cutler](#)

Public Comment Procedure

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

on the Consent Agenda and each Discussion Agenda item.

MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: September 8, 2022

SUBJECT: Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc., Remote-Control Model Airplane Club, Miami-Dade County

Agenda Item Background:

The District purchased tract B7100-103, five acres from Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc., as well as the adjacent tract B7100-061, 109.36 acres for the L-31 North Project. The District currently leases 13.10 acres to Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc. to operate a remote-control model airplane club. This lease has been amended one time for a five-year lease extension and is set to expire on November 30, 2022. The District and the Lessee wish to extend the term of the lease by five years. The annual rent of \$5,895 is based on a new market rent appraisal.

Core Mission and Strategic Priorities:

The objective of this Lease is to obtain assistance in the stewardship and maintenance of the land. The revenues generated from these leases will assist Land Management in managing these and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the lease. The Lease is estimated to bring in anticipated revenue of approximately \$29,475 over the five-year term.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Resolution No. 2022-0901](#)

[Resolution Exhibit A](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District authorizing a five-year lease extension for a remote-control model airplane club to the existing Lease with Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc. on 13.10 acres, more or less, in Miami-Dade County, as more particularly described herein; providing an effective date. (Contract No. 4600001092-A02)

WHEREAS, the Governing Board, pursuant to Section 373.093, Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessee desire to extend the Lease Contract No. 4600001092, Lease Encumbrance ID B710E-001, for five years; and

WHEREAS, the Lessee's main use of the premises is to operate a remote-control model airplane club, which will assist in the stewardship and maintenance of the land; and

WHEREAS, the Lessee's current lease is set to expire on November 30, 2022. The proposed amendment will be for a five-year lease extension, with an expiration date of November 30, 2027; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to authorize the five-year extension for the remote-control model airplane club on 13.10 acres, more or less, in Miami-Dade County, see Exhibit "A", with five-year anticipated revenue in the amount of approximately \$29,475.

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 a five-year extension for Contract No. 4600001092-A02, a remote-control model airplane club lease with Aero-Modelers of Perrine, FLA. (AMPS/RC), Inc. on 13.10 acres, more or less, in Miami-Dade County. (Contract No. 4600001092-A02)

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

PASSED and ADOPTED this 8th day of September, 2022.

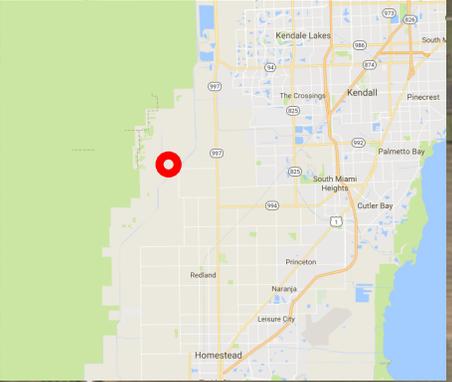
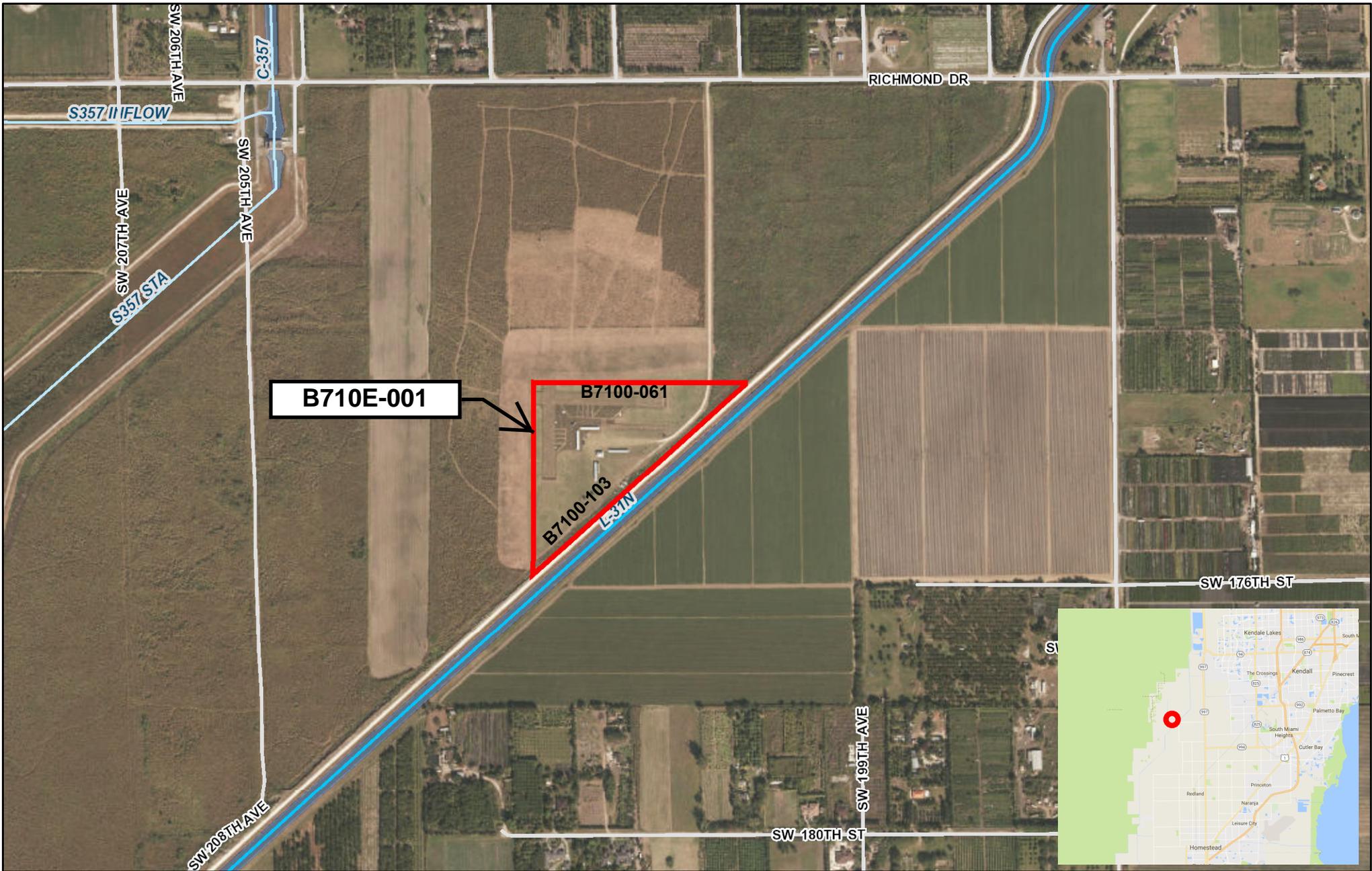
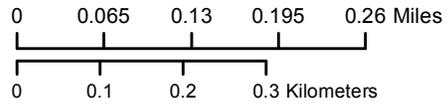


Exhibit "A" Aero Modelers - Lease B710E-001



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.

MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: September 8, 2022

SUBJECT: 10-Year Lease Extension for Tower Space, Palm Beach County

Agenda Item Background:

The U.S. Department of Homeland Security, Bureau of Customs and Border Protection (Lessee) currently leases tower space on an existing radio tower owned by the District. The District entered into a contract with an effective date of October 1, 2012 for an initial three-year term and amended the Lease for an additional two years on July 16, 2015. The lease was extended for an additional five-year term with an effective date of October 1, 2017. The District and Lessee wish to extend this Lease for an additional ten years with an effective date of October 1, 2022. The revenues generated from this Lease will assist Land Management in managing this and other District-owned lands with \$36,000 in yearly revenue. Note that for security reasons, the exact location of the premises is not being published.

Core Mission and Strategic Priorities:

Additional Item Background:

The U.S. Department of Homeland Security, Bureau of Customs and Border Protection (Lessee) currently leases tower space on an existing radio tower owned by the District located in Palm Beach County. The District entered into Contract No. 4600002700-A03 with an effective date of October 1, 2012 for an initial three-year term and amended the Lease for an additional two years on July 16, 2015.

Core Mission and Strategic Priorities:

The objective of the Lease is to grant radio tower operation rights to Homeland Security.

Funding Source:

There are no District costs associated with this item other than the cost of administering the Lease. The lease extension is estimated to bring in a total of \$360,000 of net revenue to the District.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Resolution No. 2022-0902](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District to issue a ten-year lease extension to U.S. Department of Homeland Security, Bureau of Customs and Border Protection, as more particularly described herein, providing an effective date. (Contract No. 4600002700-A03)

WHEREAS, the Governing Board, pursuant to Section 373.093, of the Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessee desire to extend the current Lease Agreement on the premises for up to an additional ten years; and

WHEREAS, the Lessee's main use of the premises is to share tower space for operating and managing Lessee's communications equipment on an existing tower owned and controlled by the District; and

WHEREAS, the Lessee's current lease expires September 30, 2022; and

WHEREAS, for security reasons, the exact location of the Premises is not being published; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to approve the Lease Agreement listed above for a ten-year extension for radio operation rights on a communications tower located on approximately one acre in Palm Beach County with first year anticipated revenue in the amount of \$36,000. (Contract No. 4600002700-A03)

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 a ten-year extension for a lease of space on a District communication tower located on approximately one acre in Palm Beach County under Contract No. 4600002700-A03, which extension will be incorporated into an Amendment consistent with the District's new lease policy.

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

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: September 8, 2022

SUBJECT: PBA Holdings, Inc., Equipment Storage and Staging Lease, Palm Beach County

Agenda Item Background:

The District acquired ten acres in 2007 in a multi-parcel land exchange from PBA Holdings, Inc. The property is located adjacent to the L-8 FEB Project in Palm Beach County. Staff is seeking Governing Board approval to enter into a ten-year lease with PBA Holdings, Inc. PBA Holdings, Inc. will sublease the property to FPL expanding their existing lease to FPL for equipment storage and staging. No building improvements will be permitted on the site.

Revenue will be based on annual rent of \$18,000 per acre. This proposed lease was not competitively bid since PBA Holdings, Inc. is the only adjacent landowner.

Core Mission and Strategic Priorities:

Additional Item Background:

The District acquired ten acres in 2007 as part of a multi-parcel land exchange from PBA Holdings, Inc. ("Aggregates"). The property is located adjacent to the south boundary of the L-8 FEB in Palm Beach County. The property, as depicted in Exhibit "A" attached hereto, is not currently needed for the L-8 FEB Project. Staff is seeking Governing Board approval to enter into a ten-year lease with Aggregates. Aggregates will sublease the property to FPL expanding their existing lease to FPL for equipment storage and staging. Revenue will be based on annual rent of \$18,000 per acre. This proposed lease was not competitively bid since PBA Holdings, Inc. is the only adjacent landowner.

Core Mission and Strategic Priorities:

The objective of this Lease is to obtain assistance in the stewardship and maintenance of this land and provide revenue for the maintenance and management of District lands. The revenues generated from these leases will assist Land Management in managing these and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the lease. The Lease is estimated to bring in anticipated revenue of approximately \$1,800,000 over the ten-year term.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

Resolution No. 2022-0903

Resolution Exhibit A

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District authorizing a ten-year open equipment storage lease to PBA Holdings, Inc. on ten acres, more or less, in Palm Beach County, as more particularly described herein; providing an effective date. (Contract No. 4600004645)

WHEREAS, the District's Governing Board, pursuant to Section 373.093, Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessee desire to enter into a Lease Agreement on the premises known as Contract No. 4600004645, Lease Encumbrance ID VF10E-007, for ten years; and

WHEREAS, the Lessee's main use of the premises is open storage of equipment, which will assist in the stewardship of vacant land; and

WHEREAS, the District's Governing Board deems it appropriate and in the public interest to approve the lease contract above to PBA Holdings, Inc., for a ten-year equipment storage lease on ten acres, more or less, in Palm Beach County, see Exhibit "A", with ten-year anticipated revenue in the amount of approximately \$1,800,000.

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 a ten-year lease for open equipment storage and staging with PBA Holdings, Inc. on ten acres, more or less, in Palm Beach County. (Contract No. 4600004645)

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

PASSED and **ADOPTED** this 8th day of September, 2022.

Exhibit "A"

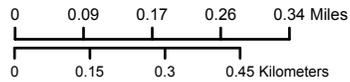


**Tract VF10E-007
10-Acre Lease for
Equipment Storage**

FPL Equipment Staging Sublease 10 Acres



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.

M E M O R A N D U M

TO: Governing Board Members

FROM: Rich Virgil, Field Operations Division

DATE: September 8, 2022

SUBJECT: Right of Way Occupancy Permit Request

Agenda Item Background:

Collier County (Applicant) requests Standard Right of Way Occupancy Permit Number 16475-R (ROW Permit) to install a bus shelter with related pedestrian improvements within the Henderson Creek right of way at the southeast corner of Collier Boulevard and Sabal Palm Road. The proposed location for the bus shelter lies within 40 feet of top of bank, which requires a waiver from District rules. If approved, the proposed work will not interfere with or adversely impact the District's routine or emergency operations, maintenance, or future construction activities.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

ATTACHMENTS:

[Backup Document](#)

TABLE OF CONTENTS

RIGHT OF WAY OCCUPANCY CONSENT AGENDA FOR GOVERNING BOARD APPROVAL

September 8, 2022

	PAGES
I RIGHT OF WAY OCCUPANCY PERMIT REQUESTS WITH WAIVER OF DISTRICT CRITERIA:	
Governing Board action is required on petitions received requesting a waiver of District criteria. Section 120.542, F.S. and Rule 28-104.002, F.A.C., requires agencies to grant variances and waivers to their own rules when a person subject to the rules files a petition and demonstrates that he or she can achieve, or has achieved, the purpose of the underlying statute by other means and when application of rule would create a substantial hardship or would violate principles of fairness. A "substantial hardship" is defined as a demonstrated economic, technological, legal or other type of hardship to the person requesting the waiver. "Principles of fairness" are violated when the literal application of a rule affects a particular person in a manner significantly different from the way it affects other similarly situated persons who are subject to the rule. A "waiver" is defined as an agency decision not to apply all or part of a rule to the person subject to the rule.	2-3

RIGHT OF WAY OCCUPANCY PERMIT REQUESTS WITH WAIVER OF DISTRICT CRITERIA

Applicant	Collier County
Application Number	220720-35254
Canal	Henderson Creek
Location	Southeast Corner of Collier Boulevard and Sabal Palm Road
Proposed Improvements to be Authorized by ROW Permit 16475-R	Bus Shelter and Pedestrian Related Improvements
Required Waiver(s)	Waiver to allow the Bus Shelter within 40 Feet of Top of Bank.
ROW Permit Number (proposed)	16475-R

SUMMARY

Collier County (Applicant) requests a Standard Right of Way Occupancy Permit Number 16475-R (ROW Permit) to install a bus shelter with pedestrian related improvements in the right of way of Henderson Creek Canal southeast of Collier Boulevard and Sabal Palm Road. Specifically, the request includes a 4- by 12-foot bus shelter with a bike rack and trash receptacle on a concrete pad, and a sidewalk from the bus shelter to Collier Boulevard along with guardrails, handrails, a streetlight, and a retaining wall. All these improvements are allowed within the District's right of way by the District's Criteria Manual, except for the bus shelter because it will be located 28 feet from the top of bank. Accordingly, a waiver from the prohibition against the placement of permanent and semi-permanent above-ground structures within 40 feet of top of canal bank within the District's Works or Lands is required for the bus shelter. The request has been reviewed by District field operations, and, if approved, the proposed work will not interfere with or adversely impact the District's routine or emergency operations, maintenance, or future construction activities.

DISCUSSION/JUSTIFICATION FOR WAIVERS

The Applicant has demonstrated a substantial hardship that supports granting of the requested waiver. Without the waiver, the Applicant would be unable to provide a bus shelter for the benefit of public transit users because there is no alternative location within the abutting road rights of way. District field operations finds that the 28 feet between the proposed bus shelter and top of bank is sufficient to accommodate required access and equipment necessary to perform maintenance and operations at this location. District staff has no objection to the requested waiver.

LEGAL NOTICE

The petition for waiver was reviewed by the Office of Counsel for compliance with applicable legal requirements. Pursuant to Section 120.542(6), Florida Statutes, notice of the petition was provided to the Department of State and published in Volume 48, Number 144 of the Florida Administrative Register on July 26, 2022. No public comments were received.

RECOMMENDATION

Staff recommends **approval** of issuance of Standard Right of Way Occupancy Permit 16475-R and **approval** of the associated petition for waiver to allow a bus shelter to be installed within 40 feet of top of bank (Application No. 220720-35254).

**Bus Shelter and Related Pedestrian Improvements
with a Waiver to Allow the Bus Shelter to Lie Within 40 Feet of Top of Bank
Collier County, Applicant
Henderson Creek Canal – Collier County**

Right of Way Occupancy Permit No. 16475-R

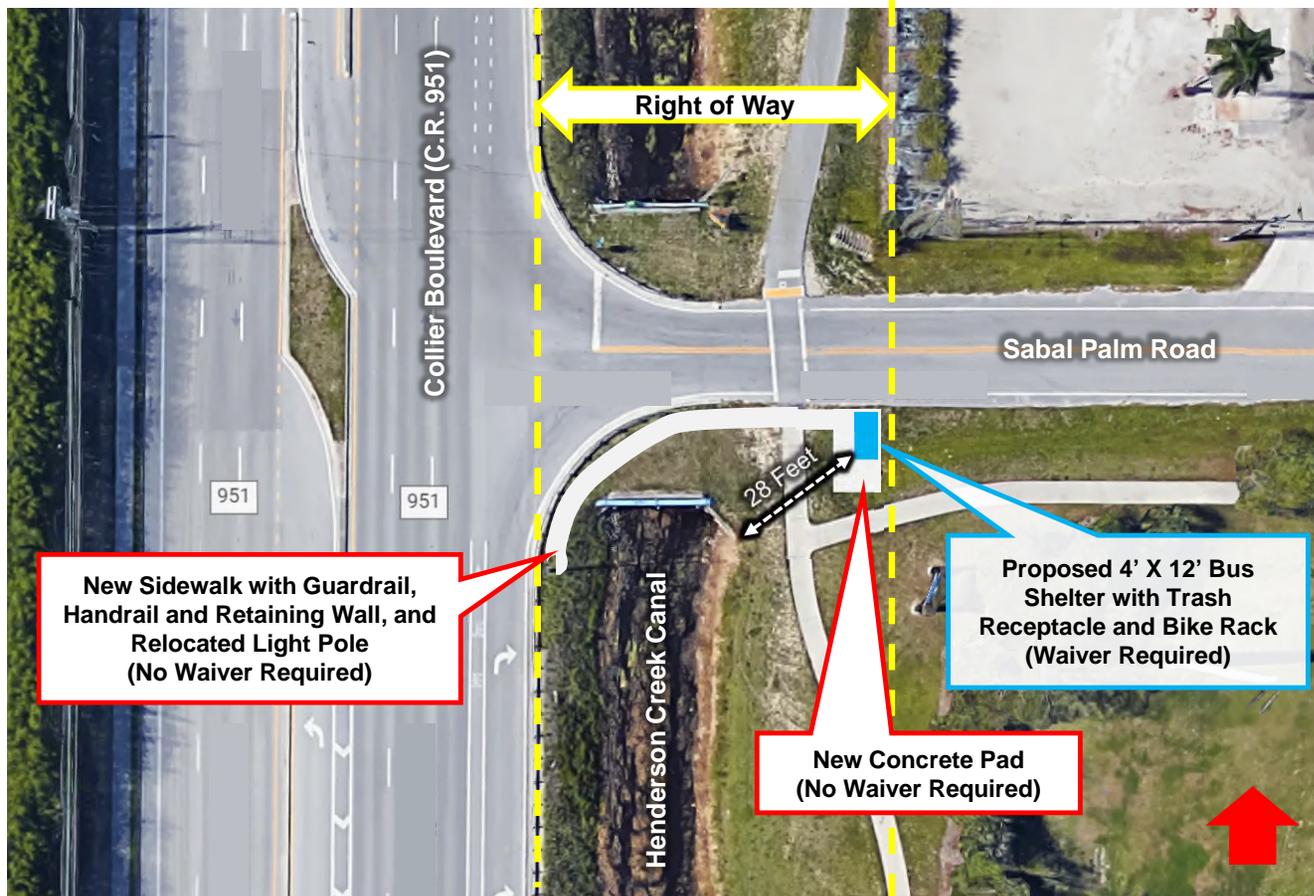
**John R. Hixenbaugh, J.D., AICP
Right of Way Section Administrator
South Florida Water Management District
Governing Board Meeting
September 8, 2022**

Application Information and Location Map

- **Applicant:** Collier County
- **Application Number:** 220720-35254
- **Canal:** Henderson Creek Canal
- **Location:** Southeast of Collier Boulevard (C.R. 951) and Sabal Palm Road
- **Request:** Issuance of Standard Right of Way Occupancy Permit No. 16475-R to install a bus shelter with related pedestrian improvements with a waiver to allow the bus shelter to lie within 40 feet of top of bank.



Site Plan



Project Highlights

- The proposed bus shelter location will be installed 28 feet from top of bank, requiring a waiver of 12 feet from the 40 feet required from top of bank.
- The waiver is minimal and justified by a hardship. The County has no alternative location to install the bus shelter which is necessary for the benefit of public transit users.
- Granting of the waiver will not adversely impact the District's ability to perform routine or emergency operations, maintenance, or future construction activities.

Discussion

MEMORANDUM

TO: Governing Board Members

FROM: Duane Piper, Information Technology

DATE: September 8, 2022

SUBJECT: Storage Hardware Maintenance Annual Renewal

Agenda Item Background:

The Information Technology Division uses EMC equipment and software to maintain and store the District's critical data. The storage infrastructure provides high availability and redundancy for numerous systems and protects this data from any unforeseen data loss. Select information is replicated remotely to the District's disaster recovery site.

This request is to issue annual purchase orders to Ahead, Inc. for storage hardware and software maintenance for the time period November 1, 2022 through October 31, 2025 using the National Association of State Procurement Officials ValuePoint Contract MNWNC-109.

The annual cost will be negotiated each year at renewal time based on the current equipment being maintained. This contract was competed by another government agency.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

[Resolution No. 2022-0904](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

A Resolution of the Governing Board of the South Florida Water Management District to authorize issuing annual purchase orders to Ahead, Inc. for storage hardware and software maintenance, using the National Association of State Procurement Officials ValuePoint Contract MNWNC-109, for the time period November 1, 2022 through October 31, 2025, in the amount of \$945,750 for which \$300,000 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Purchase Order Number 4500136688)

WHEREAS, the storage hardware and software maintains, stores, and backs up the District's critical data; and

WHEREAS, the annual cost will be negotiated each year at renewal time based on the current equipment being maintained; and

WHEREAS, the District obtained this purchase order through a special procurement using the National Association of State Procurement Officials ValuePoint Contract MNWNC-109; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize issuing annual purchase orders to Ahead, Inc. for storage hardware and software maintenance, for the time period November 1, 2022 through October 31, 2025, in the total amount of \$945,750.

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 issuing annual purchase orders to Ahead, Inc. for storage hardware and software maintenance, using the National Association of State Procurement Officials ValuePoint Contract MNWNC-109, for the time period November 1, 2022 through October 31, 2025, in the total amount of \$945,750. (Purchase Order 4500136688)

Section 2. This Resolution shall take effect immediately upon adoption

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members

FROM: Duane Piper, Information Technology

DATE: September 8, 2022

SUBJECT: Integration Software License Annual Renewal

Agenda Item Background:

The District uses MuleSoft software as the tool for integrating multiple enterprise systems such as our financial system (SAP), our hydrologic and data verification system (DBHYDRO/DCVP), Supervisory Control and Data Acquisition (SCADA), and our Decision Support System (ODSS). This software eliminated the requirement for District staff to write custom code which is very expensive to write as well as difficult to maintain and support.

This request is to issue annual purchase orders to Carahsoft Technology Corporation for MuleSoft software licenses for the time period November 1, 2022 through October 31, 2027, using the General Services Administration Schedule Number 47QSWA18D008F. This contract was competed by another government agency.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

[Resolution No. 2022-0905](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize issuing annual purchase orders to Carahsoft Technology Corporation for MuleSoft integration software licenses, using the General Services Administration Schedule Number 47QSWA18D008F, for the time period November 1, 2022 through October 31, 2027, in the total amount of \$1,555,902 for which \$281,579 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Purchase Order Number 4500136687)

WHEREAS, MuleSoft software is the tool used for integrating multiple enterprise systems such as SAP, DBHYDRO/DCVP, and ODSS; and

WHEREAS, the District obtained this purchase order through a special procurement using the General Services Administration Schedule Number 47QSWA18D008F; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize issuing annual purchase orders to Carahsoft Technology Corporation for MuleSoft integration software licenses, for the time period November 1, 2022 through October 31, 2027, in the total amount of \$1,555,902.

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 issuing annual purchase orders to Carahsoft Technology Corporation for MuleSoft integration software licenses, using the General Services Administration Schedule Number 47QSWA18D008F, for the time period November 1, 2022 through October 31, 2027 in the total amount of \$1,555,902. (Purchase Order 4500136687)

Section 2. This Resolution shall take effect immediately upon adoption

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members
FROM: Duane Piper, Information Technology
DATE: September 8, 2022
SUBJECT: SAP Maintenance Renewal

Agenda Item Background:

SAP is the integrated Enterprise Resource Planning Software used for the District's core business functions such as accounting, finance, procurement, human resources, payroll, plant maintenance, and project management. Each year, the District enters into an annual purchase order with the manufacturer, SAP Public Services, Inc., for software maintenance for all SAP licenses which includes technical support, upgrades, and access to the Support and Advisory Center. The District obtained this purchase order through a special procurement that is exempt from competition under Section 155-6, South Florida Water Management District's Policies and Procedures. This policy provides that licensing, warranty, compatibility requirements that limit the selection to the manufacturer, including purchases of parts, repairs or maintenance services from the original equipment manufacturer, seller or authorized repair facility are exempt from competition. This policy provides that all renewals for maintenance and licensing of proprietary computer software are exempt from competition.

This request is to issue annual purchase orders to SAP Public Services, Inc. for software maintenance and upgrades for the time period October 1, 2022 through September 30, 2027.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

[Resolution No. 2022-0906](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize issuing annual purchase orders to SAP Public Services, Inc. for software maintenance and upgrades, for the time period October 1, 2022 through September 30, 2027, in the total amount of \$3,760,153 for which \$680,493 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Purchase Order Number 4500136686)

WHEREAS, SAP is used for the District's core business functions such as accounting, finance, procurement, human resources, payroll, plant maintenance, and project management; and

WHEREAS, the District obtained this purchase order through a special procurement that is exempt from competition under Section 155-6, South Florida Water Management Districts Policies and Procedures; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize issuing annual purchase orders to SAP Public Services, Inc. for software maintenance and upgrades, for the time period October 1, 2022 through September 30, 2027, in the total amount of \$3,760,153.

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 issuing annual purchase orders to SAP Public Services, Inc. for software maintenance and upgrades, for the time period October 1, 2022 through September 30, 2027 in the total amount of \$3,760,153. (Purchase Order 4500136686)

Section 2. This Resolution shall take effect immediately upon adoption

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members
FROM: Duane Piper, Information Technology
DATE: September 8, 2022
SUBJECT: SAP Technical Resource

Agenda Item Background:

SAP technical resources are high salaried and difficult to hire and retain as full-time employees. In lieu of full-time positions, the SAP Solution Center uses staff augmentation services to provide SAP S/4 expertise to design, configure, and implement SAP Finance, Budget, and Audit support & reporting automation solutions. Information Technology is in the process of moving the District's Human Resource operations to Ultimate Kronos Group (UKG) and these resources will support the connection of UKG human resources data back to SAP S/4HANA allowing the finance, budget, and project management modules to continue to function as currently configured. In addition to providing daily operational Budget, Finance and Audit support, this resource will assist with this software implementation.

This request is to amend Purchase Order Number 4500132438 with Scony Realty LLC for a three-year extension, renewable annually, increasing the amount by \$891,779 for a revised purchase order total of \$1,141,769 for an SAP technical resource, using the State of Florida Information Technology Staff Augmentation Services Contract Number 80101507-21-STC-ITSA. This contract was competed by another government agency.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

[Resolution No. 2022-0907](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

A Resolution of the Governing Board of the South Florida Water Management District to authorize an amendment to Purchase Order Number 4500132438 with Scony Realty LLC by increasing the amount of the purchase order by \$891,779 for a revised purchase order total of \$1,141,769 for a three-year extension, renewable annually, for an SAP technical resource, using the State of Florida Information Technology Staff Augmentation Services Contract Number 80101507-21-STC-ITSA, for which \$282,880 in Ad Valorem funds are subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Purchase Order Number 4500132438)

WHEREAS, Information Technology requires technical expertise for SAP S/4HANA; and

WHEREAS, the District obtained this purchase order through a special procurement using the State of Florida Information Technology Staff Augmentation Services Contract Number 80101507-21-STC-ITSA; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize an amendment to Purchase Order 4500132438 with Scony Realty LLC by increasing the purchase order by \$891,779 for a revised purchase order total of \$1,141,769, for a three-year extension, renewable annually.

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 an amendment to Purchase Order Number 4500132438 with Scony Realty LLC by increasing the amount of the purchase order by \$891,779 for a revised purchase order total of \$1,141,769 for a three-year extension, renewable annually, for an SAP technical resource, using the State of Florida Information Technology Staff Augmentation Services Contract Number 8010507-21-STC-ITSA. (Purchase Order Number 4500132438)

Section 2. This Resolution shall take effect immediately upon adoption

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members

FROM: Julia Lomonico, Office of Counsel

DATE: September 8, 2022

SUBJECT: Certification of the District's 2022/2023 Annual Regulatory Plan

Agenda Item Background:

Florida law requires agencies to complete an annual regulatory plan to inform the Legislature and the public of agency rulemaking. The District's Governing Board and General Counsel must certify that they reviewed the plan and that the District regularly reviews its rules to determine if the rules remain consistent with the agency's rulemaking authority and the laws implemented by the agency's rules. The District must submit its certification along with the plan to the Joint Administrative Procedures Committee each year. The District publishes Notice of the plan in the Florida Administrative Register and provides notice and access to the plan on its website for 10 years after the date of initial publication.

Core Mission and Strategic Priorities:

The Governing Board has authority to adopt rules to administer the provisions of Chapter 373, Florida Statutes. This item supports the District's core mission and strategic goals by ensuring that District rules are consistent with the District's rulemaking authority and the laws implemented.

Funding Source:

Staff time will be used to implement the 2022/2023 Annual Regulatory Plan. The District may use Ad Valorem funds to prepare the economic impact analysis, if required, for certain rules. Office of Counsel and the divisions will share the publication costs of the notices.

Staff Contact and/or Presenter:

Savannah Middlebush, smiddleb@sfwmd.gov, 561-682-6755

ATTACHMENTS:

[Resolution No. 2022-0908](#)

[2022-2023 Regulatory Plan](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the South Florida Water Management District (District) Governing Board certifying to the Joint Administrative Procedures Committee that the Governing Board and General Counsel reviewed the District's 2022/2023 Annual Regulatory Plan and that the District reviewed its rules to determine if the rules remain consistent with the District's rulemaking authority and the laws implemented, effective immediately.

WHEREAS, the District must annually complete and certify a rulemaking plan to the Legislature's Joint Administrative Procedures Committee. The annual regulatory plan is required by section 120.74, Florida Statutes, to inform the Legislature and the public of agency rulemaking; and

WHEREAS, the Governing Board and General Counsel must certify that they reviewed the plan and that the District regularly reviews its rules to determine if the rules remain consistent with the agency's rulemaking authority and the laws implemented; and

WHEREAS, the District must submit its certification and annual regulatory plan to the Legislature's Joint Administrative Procedures Committee, publish Notice of its annual regulatory plan in the Florida Administrative Register, and publish and maintain the plan on the District's website for 10 years after the date of initial publication.

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

Section 1. Pursuant to the requirements of section 120.74(1)(d)1., Florida Statutes, the Governing Board certifies to the Joint Administrative Procedures Committee that it reviewed the District's 2022/2023 Annual Regulatory Plan.

Section 2. Pursuant to the requirements of section 120.74(1)(d)2., Florida Statutes, the Governing Board certifies that the District reviewed its rules to determine if the rules remain consistent with the District's rulemaking authority and the laws implemented in July 2022.

Section 3. A copy of the District's 2022/2023 Annual Regulatory Plan is attached hereto and made a part hereof.

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

PASSED and ADOPTED on this 8th day of September, 2022.

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
2022-2023 Regulatory Plan**

Law Implemented	Rule Number (No chapters or subsections)	For all other rulemaking that the agency expects to implement by July 1, explain whether the rule is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules.	Was the law to be implemented enacted or amended within the last 12 months?	Was the law listed in a previous regulatory plan as requiring rulemaking to implement a law enacted or amended within the previous 12 months of that plan?	Is rulemaking necessary to implement the new law?	For a new law, if rulemaking is necessary, has notice of rule development been published in the FAR? If yes, which FAR issue? (include date, Vol/No)	For a new law, if rulemaking is not necessary, explain why the new law may be implemented without rulemaking.	For a new law, when is notice of a proposed rule expected to be published?
373.042, 373.0421, 373.083, 373.109, 373.196, 373.219, 373.223, 373.224, 373.229, 373.232, 373.233, 373.236, 373.239, 373.250, F.S.	40E-2.061	Amend rule to clarify language on linear dewatering	No	No	N/A	N/A	N/A	N/A
373.085, 373.4595, F.S.	40E-1.602	Amend rule to: 1) Clarify reference in (10) should be 40E-6 instead of 40E-62; and 2) Clarify reference to 40E-61 in (9)	No	No	N/A	N/A	N/A	N/A
218.075, 373.109, 373.4131, 373.421(2), 373.421(6)(b), 403.201 FS.	40E-1.607	Amend rule to address credit card charges for payment of application fees	No	No	N/A	N/A	N/A	N/A

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
2022-2023 Regulatory Plan**

Law Implemented	Rule Number (No chapters or subsections)	For all other rulemaking that the agency expects to implement by July 1, explain whether the rule is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules.	Was the law to be implemented enacted or amended within the last 12 months?	Was the law listed in a previous regulatory plan as requiring rulemaking to implement a law enacted or amended within the previous 12 months of that plan?	Is rulemaking necessary to implement the new law?	For a new law, if rulemaking is necessary, has notice of rule development been published in the FAR? If yes, which FAR issue? (include date, Vol/No)	For a new law, if rulemaking is not necessary, explain why the new law may be implemented without rulemaking.	For a new law, when is notice of a proposed rule expected to be published?
120.60(3), 373.116, 373.118, 668.50, FS	40E-1.6058	Amend rule to: 1) Increase efficiency by stating in (1), (3) and (4) that persons may use ePermitting to be notified of applications, notices of intent, etc; and 2) Delete (5) as redundant	No	No	N/A	N/A	N/A	N/A
218.075, 373.113, 373.4135, 373.4136, 373.416, 704.06, FS.	40E-1.659	Repeal rule: This rule is unnecessary because it is simply a convenient list of forms that are incorporated by reference in District rules	No	No	N/A	N/A	N/A	N/A
120.69, 373.129, 373.209(3), 373.430, 373.603, FS.	40E-1.715	Amend (1) and (2) to reflect that 373.129, F.S. authorizes \$15,000 per day/violation.	No	No	N/A	N/A	N/A	N/A

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
2022-2023 Regulatory Plan**

Law Implemented	Rule Number (No chapters or subsections)	For all other rulemaking that the agency expects to implement by July 1, explain whether the rule is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules.	Was the law to be implemented enacted or amended within the last 12 months?	Was the law listed in a previous regulatory plan as requiring rulemaking to implement a law enacted or amended within the previous 12 months of that plan?	Is rulemaking necessary to implement the new law?	For a new law, if rulemaking is necessary, has notice of rule development been published in the FAR? If yes, which FAR issue? (include date, Vol/No)	For a new law, if rulemaking is not necessary, explain why the new law may be implemented without rulemaking.	For a new law, when is notice of a proposed rule expected to be published?
373.042, 373.0421, 373.083, 373.109, 373.196, 373.219, 373.223, 373.224, 373.229, 373.232, 373.233, 373.236, 373.239, 373.250, F.S.	40E-2.091	Simplify Applicant's Handbook, forms and rule references to allow for North American Vertical Datum (NAVD) in addition to National Geodetic Vertical Datum (NGVD)	No	No	N/A	N/A	N/A	N/A
373.042, 373.0421, 373.083, 373.109, 373.196, 373.219, 373.223, 373.224, 373.229, 373.232, 373.233, 373.236, 373.239, 373.250, F.S.	40E-2.061	Amend rule to address local groundwater concerns to prevent significant harm to Sandstone Aquifer	No	No	N/A	N/A	N/A	N/A
373.083, 373.118, 373.219, 373.223 F.S.	40E-2.071	Amend rule to address local groundwater concerns to prevent significant harm to Sandstone Aquifer	No	No	N/A	N/A	N/A	N/A

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
2022-2023 Regulatory Plan**

Law Implemented	Rule Number (No chapters or subsections)	For all other rulemaking that the agency expects to implement by July 1, explain whether the rule is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules.	Was the law to be implemented enacted or amended within the last 12 months?	Was the law listed in a previous regulatory plan as requiring rulemaking to implement a law enacted or amended within the previous 12 months of that plan?	Is rulemaking necessary to implement the new law?	For a new law, if rulemaking is necessary, has notice of rule development been published in the FAR? If yes, which FAR issue? (include date, Vol/No)	For a new law, if rulemaking is not necessary, explain why the new law may be implemented without rulemaking.	For a new law, when is notice of a proposed rule expected to be published?
373.042, 373.0421, 373.083, 373.109, 373.196, 373.219, 373.223, 373.224, 373.229, 373.232, 373.233, 373.236, 373.239, 373.250, F.S.	40E-2.091	Amend rule to address local groundwater concerns to prevent significant harm to Sandstone Aquifer	No	No	N/A	N/A	N/A	N/A
373.016, 373.036, 373.042, 373.0421, 373.709, F.S.	40E-3.XXX	New rule to address local groundwater concerns to prevent significant harm to Sandstone Aquifer	No	No	N/A	N/A	N/A	N/A
373.085, 373.086, F.S.	40E-7.XXX	New rule to reduce vegetation, trash and other debris discharged into the Works of the District and Central & Southern Florida system to protect flood control, navigation, and water supply						

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
2022-2023 Regulatory Plan**

Law Implemented	Rule Number (No chapters or subsections)	For all other rulemaking that the agency expects to implement by July 1, explain whether the rule is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules.	Was the law to be implemented enacted or amended within the last 12 months?	Was the law listed in a previous regulatory plan as requiring rulemaking to implement a law enacted or amended within the previous 12 months of that plan?	Is rulemaking necessary to implement the new law?	For a new law, if rulemaking is necessary, has notice of rule development been published in the FAR? If yes, which FAR issue? (include date, Vol/No)	For a new law, if rulemaking is not necessary, explain why the new law may be implemented without rulemaking.	For a new law, when is notice of a proposed rule expected to be published?
373.046, 373.413, 373.4131, 373.414, 373.4142, 373.416, 373.418, 373.426, 373.441 FS.	40E-4.091	Update stormwater design and operation regulations as required by section 373.413(6), F.S. (2020).	No	Yes	Yes	Yes 12/18/20 Vol. 46 No. 245	N/A	Expect Notice of Proposed Rule to be published in 2023 (Notice of Extension published 4/1/22, Vol.48/No.64)
373.046, 373.413, 373.4131, 373.414, 373.4142, 373.416, 373.418, 373.426, 373.441 FS.	40E-4.091	Improve coordination with other agencies by updating DEP/SFWMD Operating Agreement	No	No	N/A	N/A	N/A	N/A
373.016, 373.085(1)(b) and (2), 373.086(1), 373.451(6) and (7), 373.453(1)(b) and (c), (2) and (4), and 373.4592(3), (4) and (10), F.S.	40E-63.500 through 40E-63.520, F.A.C.	Implement portions of the Long-Term Plan for the Everglades Program	No	No	N/A	N/A	N/A	N/A

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
2022-2023 Regulatory Plan**

Law Implemented	Rule Number (No chapters or subsections)	For all other rulemaking that the agency expects to implement by July 1, explain whether the rule is intended to simplify, clarify, increase efficiency, improve coordination with other agencies, reduce regulatory costs, or delete obsolete, unnecessary, or redundant rules.	Was the law to be implemented enacted or amended within the last 12 months?	Was the law listed in a previous regulatory plan as requiring rulemaking to implement a law enacted or amended within the previous 12 months of that plan?	Is rulemaking necessary to implement the new law?	For a new law, if rulemaking is necessary, has notice of rule development been published in the FAR? If yes, which FAR issue? (include date, Vol/No)	For a new law, if rulemaking is not necessary, explain why the new law may be implemented without rulemaking.	For a new law, when is notice of a proposed rule expected to be published?
373.1501, F.S.	N/A	N/A	Yes (HB 513) Comprehensive Review Study of the C&SF Project	No	No	N/A	Self implementing	N/A
259.105, F.S.	N/A	N/A	Yes (SB 494) Fish and Wildlife Conservation Commission	No	No	N/A	Self-implementing	N/A
373.036, F.S.	N/A	N/A	Yes (SB 882) Inventories of Critical Wetlands	No	No	N/A	Self-implementing	N/A

MEMORANDUM

TO: Governing Board Members

FROM: Lawrence Glenn, Water Resources Division

DATE: September 8, 2022

SUBJECT: Florida Fish and Wildlife Conservation Commission, Cooperative Agreement for the South Florida Fisheries Habitat Assessment Program

Agenda Item Background:

One of the main goals of the Comprehensive Everglades Restoration Plan for Florida Bay is to improve vital fisheries habitat by increasing the species diversity and aerial extent of seagrass communities. This proposed cooperative agreement with the Florida Fish and Wildlife Conservation Commission (FWC) is to continue seagrass and macroalgae monitoring within Florida Bay and the lower southwest coast. Data from this agreement will be used to assess estuarine changes and conditions associated with the C-111 Spreader Canal Western Project, Modified Water Deliveries, South Dade Conveyance System operations, Florida Bay Minimum Flows and Levels, and recovery from the 2015 seagrass die-off event. The monitoring program is specified in the RECOVER Monitoring and Assessment Plan as Component 3.2.3.3 and is also a component of the C-111 Spreader Canal Western Project Implementation Report monitoring plan. The proposed cooperative agreement is for three additional years of monitoring and 0.5 years of data analysis and reporting, at a total cost of \$1,156,563; with the FWC providing an estimated in-kind cost share of \$305,988 and the District providing \$850,575.

Core Mission and Strategic Priorities:

Seagrass beds are the primary fisheries habitat in Florida Bay and Whitewater Bay. They are an important baseline for evaluating natural and anthropogenic impacts and are critical indicators of restoration success. The vulnerability of this habitat was demonstrated in the late 1980s and 1990s and most recently in 2015, when broad-scale seagrass die-off occurred in central and western Florida Bay, focusing public attention on water management effects on Florida Bay's health. The monitoring program is required to assess the effects of the significant restoration projects and changes in water management at the southern end of the Central & Southern Florida Flood Control Project. In addition, it is currently tracking seagrass recovery following the losses experienced in 2015. District funds in support of this monitoring come from the Florida Bay Monitoring program and the Monitoring and Assessment Program (MAP) of RECOVER.

Core Mission and Strategic Priorities:

This item is aligned with the District mission to balance and improve water quality, flood control, and natural systems. It supports multiple objectives within Florida Bay and southern Biscayne Bay, including the evaluation of the effects of water management and restoration projects on the natural system.

Funding Source:

This is a 43-month cooperative agreement with Florida Fish and Wildlife Conservation

Commission in the amount of \$850,575 for which \$160,192 from Ad Valorem funds and \$10,000 from the dedicated Alligator Alley Toll Road account funds is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget, and the remainder is subject to Governing Board approval of future years budgets.

Staff Contact and/or Presenter:

Chris Madden, cmadden@sfwmd.gov, 561-682-4647
Theresa Strazisar, tstrazis@sfwmd.gov, 561-682-4543

ATTACHMENTS:

[Resolution No. 2022-0909](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District authorizing entering into a 43-month cooperative agreement with the Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute for the purpose of supporting the Comprehensive Everglades Restoration Plan through implementation of the South Florida Fish Habitat Assessment Program in the amount of \$850,575 for which \$170,192 is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget, and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. The total cost of this monitoring is \$1,156,563 of which the FWC is contributing \$305,988. (Contract No. 44600004643)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter this cooperative agreement with the Florida Wildlife Research Institute (FWRI) of the FWC.

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 43-month cooperative agreement with the Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute for the purpose of supporting the Comprehensive Everglades Restoration Plan through implementation of the South Florida Fish Habitat Assessment Program in the amount of \$850,575 for which \$170,192 is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget, and the remainder is subject to Governing Board approval of future years budgets. The total cost of this monitoring is \$1,156,563 of which the FWC is contributing \$305,988. (Contract No. 44600004643)

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

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members

FROM: Lawrence Glenn, Water Resources Division

DATE: September 8, 2022

SUBJECT: Contract with Florida International University for Biscayne Bay Coastal Wetlands Vegetation and Periphyton Monitoring

Agenda Item Background:

The Biscayne Bay Coastal Wetlands (BBCW) Project is part of the Comprehensive Everglades Restoration Plan and is designed to eliminate point source discharges to Biscayne Bay by spreading water across coastal wetlands as sheet flow and thereby delivering freshwater to the bay in a more natural fashion. Various components of these wetlands are expected to benefit positively from increased sheet flow and are being monitored to evaluate project success and to satisfy specific permit conditions. The District currently has contracted with Florida International University to monitor vegetation and periphyton response in the Deering Estate component of the BBCW project. This contract would provide similar RECOVER monitoring in the L-31E Flow Way, North Canal Freshwater Wetland, and Cutler Wetlands Flow Way components of the BBCW project. The proposed three-year contract is to have Florida International University evaluate vegetation and periphyton response relative to hydrologic changes in the three aforementioned BBCW wetlands in an amount not-to-exceed \$352,704 subject to Governing Board approval of future years budgets. Costs for this contract are creditable and included in the District's total project cost estimate for Biscayne Bay Coastal Wetlands Restoration.

Core Mission and Strategic Priorities:

Additional Item Background:

Monitoring consists of three primary components: (1) monitoring vegetation annually during the wet season in the BBCW L-31E Flow Way, North Canal Freshwater Wetland and Cutler Wetlands Flow Way, (2) documenting changes and comparing results with previous years' results to assess performance of project in tidal wetlands within vicinity of BBCW L-31E Flow Way, North Canal Freshwater Wetland, and Cutler Wetlands Flow Way, (3) monitoring periphyton annually during the wet season along each of the vegetation monitoring transects, (4) measuring water level and soil depth during wet season visits, (5) measuring soil pore water and surface water salinity during wet season visits. Results will be evaluated relative to hydrologic changes occurring in the region in the form of progress and comprehensive annual reports for the L-31E Flow Way, North Canal Freshwater Wetland, and Cutler Wetland Flow Way.

Funding Source:

This monitoring effort will satisfy various specific conditions of the Florida Department of Environmental Protection (DEP), Biscayne National Park, United States Army Corps of Engineers permits, and BBCW Phase 1 PIR which requires the District to submit an annual

report to DEP detailing the progress of the BBCW L-31E Flow Way, North Canal Freshwater Wetland and Cutler Wetlands Flow Way, and to incorporate the annual monitoring report into the South Florida Environmental Report and assess performance of BBCW Projects.

Staff Contact and/or Presenter:

Bahram Charkhian, bcharkh@sfwmd.gov, 561-682-2284

ATTACHMENTS:

[Resolution No. 2022-0910](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District authorizing entering into a three-year contract with Florida International University for the Biscayne Bay Coastal Wetlands Project Vegetation and Periphyton Monitoring; in an amount not-to-exceed \$352,704, for which \$115,329 is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 4600004610)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter this contract with Florida International University.

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 authorizes entering into a three-year contract with Florida International University for the Biscayne Bay Coastal Wetlands Project Vegetation and Periphyton monitoring; in an amount not to exceed \$352,704, for which \$115,329 is budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004610)

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

PASSED and ADOPTED this 8th day of September, 2022.

MEMORANDUM

TO: Governing Board Members

FROM: Ana Carolina Maran, Ph.D., Executive Office

DATE: September 8, 2022

SUBJECT: Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study

Agenda Item Background:

Section 216 of the Flood Control Act authorizes the U.S. Army Corps of Engineers (USACE) to review the operation of projects constructed by the USACE in the interest of navigation, flood control, water supply and other related purposes when found advisable due to significantly changed physical or economic conditions. A study to reevaluate the Central and Southern Florida (C&SF) Project would proactively address flooding, water supply and other related risks to vulnerable communities due to changed conditions including sea level rise, weather patterns, land development and population growth. The purpose of the Section 216 Study is to build flood resiliency and reduce flood risks, now and into the future, in the communities served by the C&SF water management system. The Section 216 Study will focus on the highly vulnerable infrastructure that can reduce the most immediate flood risk to changing hydrodynamic and climate conditions, and the resilience aspects of such infrastructure. In order to proceed, the USACE and District are executing a Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study.

Core Mission and Strategic Priorities:

Additional Item Background:

The Section 216 Central and Southern Florida (C&SF) Flood Risk Management and Resiliency Study is necessary due to significantly changed physical, hydrological, climatological, demographic, and economic conditions within the landscape served by the C&SF system; the current hazards to the associated aquifer and surrounding environment affected by the system; and for purposes of flood risk management, saltwater intrusion prevention, water supply protection, ecosystem restoration, and for maintaining recreation and any other water-related resource needs. The purpose of the Section 216 Study is to build flood resiliency and reduce flood risks, now and into the future, in the communities served by the C&SF water management system. The Section 216 Study will focus on the highly vulnerable infrastructure that can reduce the most immediate flood risk to changing hydrodynamic and climate conditions, and the resilience aspects of such infrastructure. The study will be conducted in coordination with stakeholders, Federal agencies, State, Tribal and local officials. USACE and the District, as a non-federal sponsor, would be 50/50 cost-sharing partners for a 3x3x3 compliant study - that's \$3M budget and 3-tiers concurrent reviews over 3-years. Development of the C&SF Project Flood Risk Resiliency Plan is supported by stakeholders and both the USACE Jacksonville District and South Atlantic Division. A Feasibility Study Cost Share Agreement (FSCSA) needs to be executed between USACE and the District to initiate the Study, expected in September 2022. This Agenda Item presents a resolution of the Governing Board to support the execution of the FSCSA of the Section 216

Central and Southern Florida Flood Risk Management and Resiliency Study.

Core Mission and Strategic Priorities:

This project supports the District's core missions of flood protection, water supply and ecosystem restoration.

Funding Source:

Development of the Central and Southern Florida Flood Risk Management and Resiliency Study will be cost shared 50:50 between the District and the USACE under Section 216 of the Flood Control Act. The District's costs to support the Study will be provided by in-kind staff time and continuing Studies being advanced as part of Flood Protection Level of Service Program. Future financial commitments for the construction of the study recommended projects are contingent upon funding appropriations from the Federal Government and State of Florida Legislature, and Governing Board approval of future years budgets.

Staff Contact and/or Presenter:

Ana Carolina Coelho Maran, cmaran@sfwmd.gov, 561-682-6868

ATTACHMENTS:

[Resolution No. 2022-0911](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District to support the execution of the Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study, between South Florida Water Management District and the U.S. Department of the Army, providing an effective date.

WHEREAS, South Florida Water Management District (District) is the non-federal sponsor of the Central and Southern Florida (C&SF) Project authorized by the Flood Control Act of 1948.

WHEREAS, the C&SF Project was authorized for the purposes of flood control, water supply, navigation, prevention of saltwater intrusion, and protection of fish and wildlife resources, and projected to serve a population of 2 million people.

WHEREAS, a C&SF Project Comprehensive Review Study was initiated in 1992 and authorized in 2000 as the Comprehensive Everglades Restoration Plan.

WHEREAS, a new review study is needed to reevaluate the C&SF Project to address flooding, water supply and other related risks to vulnerable communities due to changed conditions, including sea level rise, weather patterns, land development and population growth.

WHEREAS, the new review study request is for an authorized Section 216 focused segment of a comprehensive study to assess the infrastructure at highest risk and the resilience aspects of such infrastructure in terms of flood vulnerabilities, water supply, coastal flooding, surge protection and related water resources concerns, and to recommend areas for further evaluation.

WHEREAS, the new study will further evaluate specific components of the C&SF system that need to be updated and adapted to continue to provide service and allow the immediate authorization of construction to update components that are currently not providing the expected C&SF level of service.

WHEREAS, the District is pleased to join forces with the U.S. Department of the Army in recognizing the urgency of addressing the limitations of the 74-year old C&SF Project.

WHEREAS, the District will cost share 50% in the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study and will have significant participation in its development, from elaborating the scope of work through its final completion.

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 supports the execution of the Feasibility Study Cost Share Agreement (FSCSA) for the Central and Southern Florida Flood Risk Management and Resiliency Study.

Section 2. A copy of the FSCSA is attached hereto and made a part hereof.

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

PASSED and **ADOPTED** this 11th day of August, 2022.

MEMORANDUM

TO: Governing Board Members

FROM: , Ecosystem Restoration & Capital Projects

DATE: September 8, 2022

SUBJECT: Lake Okeechobee System Operating Manual (LOSOM) (Staff contact, Jennifer Reynolds)

Agenda Item Background:

The USACE is currently updating the Lake Okeechobee Regulation Schedule 2008 (LORS2008). The updated Lake Okeechobee System Operating Manual (LOSOM) has been under development since February 2019, and the USACE identified their final optimized lake schedule alternative in November 2021. The Draft Environmental Impact Statement and Water Control Plan (EIS/WCP) for LOSOM was posted for public review on July 29, 2022. For this agenda item, the Draft LOSOM EIS/WCP will be discussed with the Board.

Core Mission and Strategic Priorities:

Additional Item Background:

On June 29, 2021, the District hosted an all-day Governing Board workshop, which was open to the public, to review the Iteration 2 modeling results that were made available by the USACE on June 9, 2021, as part of the LOSOM process. Iteration 2 included six (6) balanced alternative lake schedules that were developed by the USACE. In August 2021, the USACE selected a tentatively selected plan to be optimized in Iteration 3 of LOSOM. And on November 2, 2021, the USACE identified their final optimized lake schedule alternative which was discussed at the November Governing Board meeting.

Core Mission and Strategic Priorities:

The project supports the District's core mission of restoring South Florida's water resources and ecosystems, protecting communities from flooding and meeting the region's water needs.

Funding Source:

Staff Contact and/or Presenter:

Jennifer Reynolds, jreynolds@sfwmd.gov, 561-682-6672

ATTACHMENTS:

MEMORANDUM

TO: Governing Board Members

FROM: Jennifer Reynolds, Ecosystem Restoration & Capital Projects

DATE: September 8, 2022

SUBJECT: Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County

Agenda Item Background:

As part of the Comprehensive Everglades Restoration Plan, the Biscayne Bay Coastal Wetlands (BBCW) - Cutler Flow Way Phase 1, Pump Station S-701 includes the construction of a new 400 cubic feet per second (cfs) pump station located on the C-1 Canal. The S-701 Pump Station will be an unmanned, remotely controlled pump station with three (3) 100-cfs and two (2) 50-cfs electric-motor-driven pumps.

The S-701 Pump Station, together with features to be constructed under a separate contract, will complete the BBCW - Cutler Flow Way Phase 1 Project. Pump Station S-701 will deliver freshwater from the C-1 Canal to a concrete lined channel approximately 7,000 feet in length. The concrete lined conveyance channel will run under SW 97th Avenue via a concrete box culvert to a micro tunnel under the L-31E Canal and SW 87th Avenue and discharge freshwater into a spreader canal approximately 2.5 miles in length. Upon exiting the spreader canal, the water will rehydrate coastal wetlands and reduce point-source freshwater discharge to Biscayne Bay and Biscayne National Park.

Core Mission and Strategic Priorities:

The BBCW - Cutler Flow Way, Phase 1 Pump Station, S-701 Project supports the District's core mission of ecosystem restoration.

Funding Source:

The project will be funded through dedicated funds (Land Acquisition Trust Fund).

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2022-0912](#)

[Bid Tab Document](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2022 - 09XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 1,055-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for construction of the Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County, in the amount of \$35,847,000 for which \$15,000,000 in dedicated funds (Land Acquisition Trust Fund) is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 4600004658)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a 1,055-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the construction of the Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County, in the amount of \$35,847,000.

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 1,055-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for construction of the Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County, in the amount of \$35,847,000 for which \$15,000,000 in dedicated funds (Land Acquisition Trust Fund) is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004658)

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

PASSED and ADOPTED this 8th day of September, 2022.



SOUTH FLORIDA WATER MANAGEMENT DISTRICT NOTICE OF INTENT TO AWARD

RFB No.: 6000001339	Title: BISCAYNE BAY COASTAL WETLANDS - CUTLER FLOW WAY PHASE 1, PUMP STATION S-701, MIAMI-DADE COUNTY
SBE Subcontracting Goal: 25%	Opening Date: 8/25/2022
Total Bids Received: 2	Advertised Date: 7/22/2022
Bids Received from SBEs: 0	Advertisement: Miami Herald
Total Number of Planholders: 39	
Total SBE Planholders: 16	
Contract Specialist: Gina Jolly	
Project Manager: Hoi Yee Jarvinen	

<u>BIDDERS</u>	<u>BID AMOUNT</u>
KIEWIT INFRASTRUCTURE SOUTH CO.	\$35,847,000.00
HARRY PEPPER & ASSOCIATES, INC.	\$37,322,952.00

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

Approvals required in numerical order. Signatures must be dated.

<p>Project Manager - Attach detailed justification that recommended bidder is responsive and responsible.</p> <p>Recommendation for award to low bidder?</p> <p style="padding-left: 20px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, recommend award to:</p> <p>_____</p> <p>Basis of recommendation: _____</p> <p>_____</p> <p>_____</p> <p>Governing Board approval of award or contract required?</p> <p style="padding-left: 20px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p> <p>6.</p> <p>7.</p> <p>8.</p>	<p>_____</p> <p style="text-align: center; font-size: small;"><i>Project Manager</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Section Administrator</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Bureau Chief</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Division Director</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Contract Specialist</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Contract Manager</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Office of Counsel</i> <i>Date</i></p> <p>_____</p> <p style="text-align: center; font-size: small;"><i>Procurement Bureau Chief</i> <i>Date</i></p>
--	---	--

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

Posting Date: _____
Posting Time: _____
Initials: _____

BISCAYNE BAY COASTAL WETLANDS (BBCW)

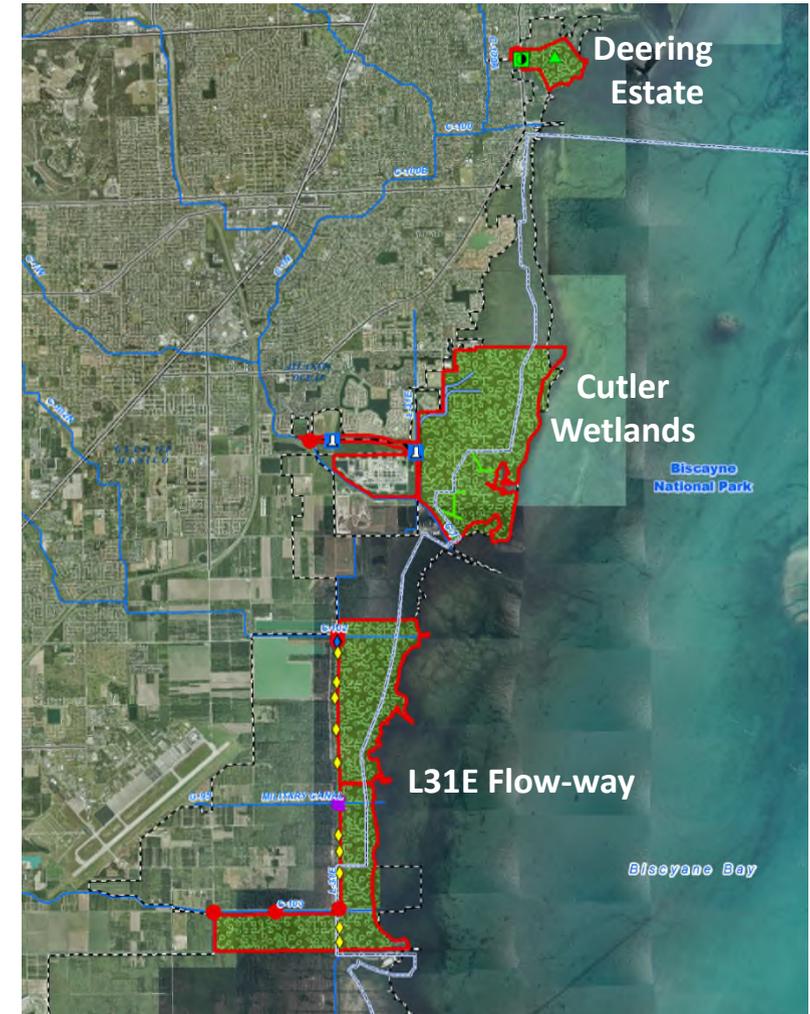
CUTLER FLOW WAY PHASE 1 PUMP STATION S-701

Alan Shirkey, P.E.
Bureau Chief, Engineering & Construction
South Florida Water Management District
Governing Board
September 8, 2022



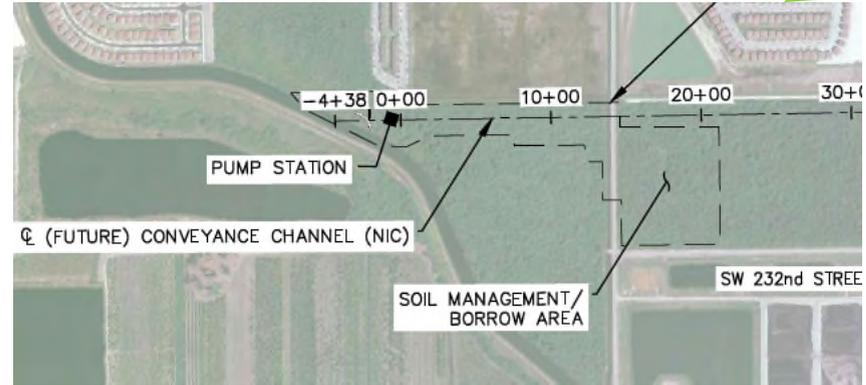
BBCW Phase 1

- Comprehensive Everglades Restoration Plan (CERP) Project
- Approved by Congress in WRDA 2014
- 3 Project Components:
 - **Deering Estate** - SFWMD completed construction in 2012. The project is operational, and the results are positive.
 - **Cutler Wetlands** - Anticipate SFWMD to start construction for S-701 in October 2022 and remaining features in late 2023.
 - **L-31E Flow-way** - Culverts are in place, remaining features under construction by USACE.

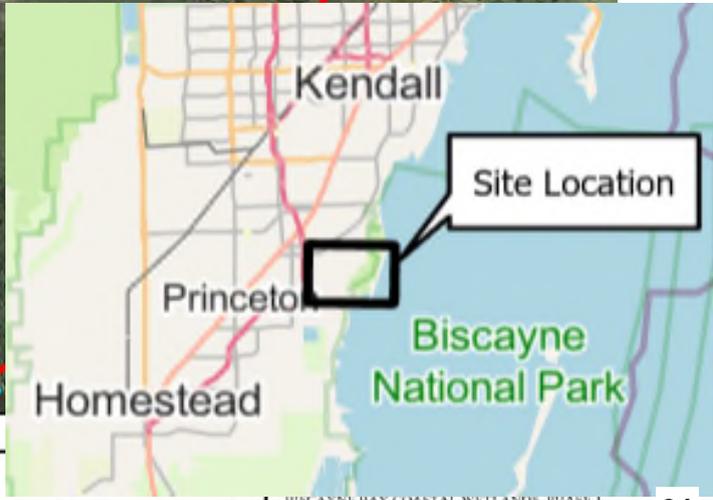
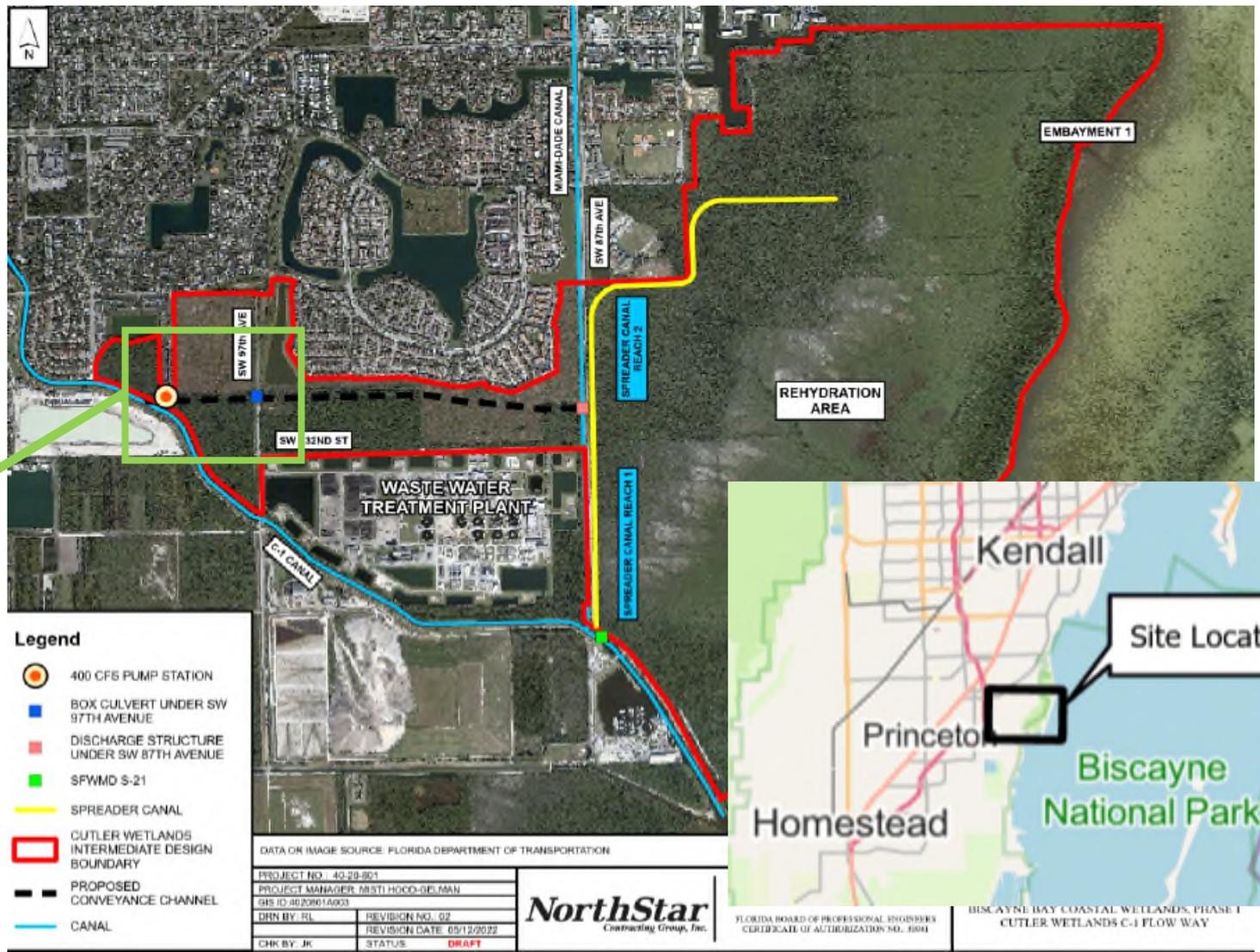


Location

Unincorporated Miami-Dade County and Town of Cutler Bay

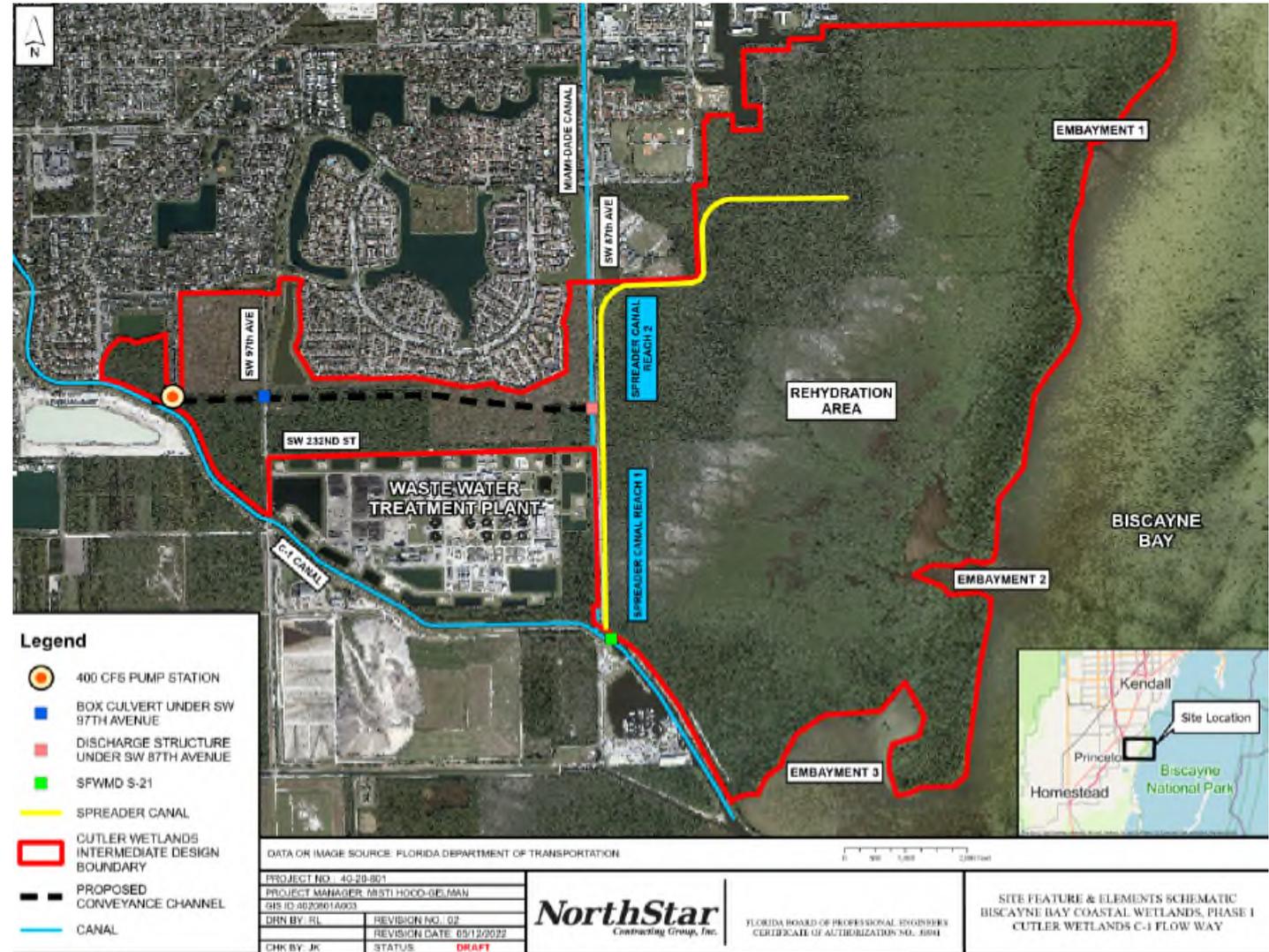


Construction Limit



Project Scope

- **Package 1, Pump Station S-701**
S-701 Pump Station (400 cubic feet per seconds)
- **Package 2, Conveyance Channel**
 - S-701A Box Culvert at SW 97th Ave.
 - S-701B Micro Tunnel under SW 87th Ave.
 - C-701 Concrete-lined Conveyance Channel
 - C-702 Spreader Swale in Rehydration Area
 - Recreation Feature



MEMORANDUM

TO: Governing Board Members
FROM: , Office of Communications & Public Engagement
DATE: September 8, 2022
SUBJECT: Presentations for Agenda items 9, 26, 27, 28, 29, and 30.

Agenda Item Background:

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

ATTACHMENTS:

[09 Bartlett Budget Highlights](#)

[26 Mitnik Water Conditions Report](#)

[27 Glenn Ecological Conditions Report](#)

[28 Maran FSCSA USACE C&SF Study](#)

[29 Reynolds LOSOM](#)

[30 Reynolds BBCW Cutler](#)



HIGHLIGHTS FROM THE FISCAL YEAR 2022/23 BUDGET

PRESENTED BY:

Drew Bartlett

Executive Director

September 2022 Governing Board Meeting

Mission and District Stats

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.

The District Manages More Than

- 2,175 Miles of Canals
- 2,130 Miles of Levees/Berms
- 915 Water Control Structures
- 620 Project Culverts
- 89 Pump Stations
- About 3,537 hydrological monitoring stations at more than 687 flow sites, including 201 rain gauges and 22 weather stations



Water Infrastructure Maintenance and Refurbishment \$255.7 Million

- **\$58 Million** for Capital refurbishment and replacement of features in South Florida's flood protection system
- **\$136.4 Million** for ongoing operations and maintenance of the Central and Southern Florida Project (C&SF), Big Cypress Basin and STAs
- **\$61.3 Million** for Hurricane/Emergency Reserve



Field Station Expansion and Improvement Projects

Homestead Field Station: Maintenance and Admin Building Replacement

✓ Substantial Completion

Miami Field Station

✓ Master Site Plan Development

Okeechobee Field Station

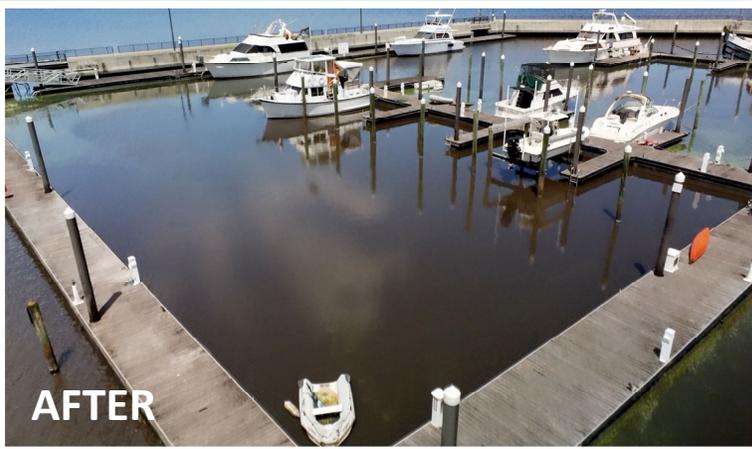
✓ Breaking Ground

Clewiston Field Station Replacement

✓ Begin Design



Science, Monitoring and Water Supply \$82.4 Million



- Continued expanded monitoring network:
 - Northern Everglades
 - Lake Okeechobee
 - Caloosahatchee & St. Lucie Estuaries
 - Lake Worth Lagoon
 - Florida and Biscayne Bays
 - Central Everglades
- CERP monitoring
- Algae response
- Modeling and machine learning
- STAs
- Python research



Stewardship of Conservation Lands \$61 Million

\$37 Million Invasive and Harmful Exotic Plant and Species Control

- Herbicide Reduction Strategy
- Integrated Pest Management including use of mechanical removal, biocontrols, prescribed burns
- STA replanting
- Enhanced Python Elimination Efforts
- Enhanced efforts on key projects like Picayune Strand Restoration Project and Arthur R. Marshall Loxahatchee National Wildlife Refuge



\$24 Million Land Management

- Management of 1 million acres of public lands
- Recreational management
- C-139 Abiaki Prairie Restoration



Environmental Resource and Water Use Protection Permits \$23 Million



- 2,800+ Environmental Resource Permit Actions
- 2,100+ Consumptive Use Permits Actions
- 7,600+ Field Inspections
- 13,500+ Compliance Actions



Record State Appropriations – Achieving More Now



\$2.5 \$3.3 Billion Over Four Years

Continued Record State Funding for Everglades Projects

Over \$600 Million Continued Improvements for Water Quality, Quantity and Supply



- ✓ **\$366.1 Million** CERP Projects
 - EAA Reservoir Project
 - Central Everglades Planning Project
 - Lake Okeechobee Restoration Project
 - Biscayne Bay Coastal Wetlands
 - Caloosahatchee Reservoir
 - Indian River Lagoon-South



- ✓ **\$41.5 Million** Restoration Strategies
- ✓ **\$78.3 Million** Northern Everglades and Estuaries Protection/Dispersed Water Storage
- ✓ **\$34.7 Million** Green Heart of the Everglades Land Acquisition
- ✓ **\$51 Million** Water Quality Projects (Including Potential DEP Grant Funding)
- ✓ **\$22 Million** Alternative Water Supply (Potential DEP Grant Funding)

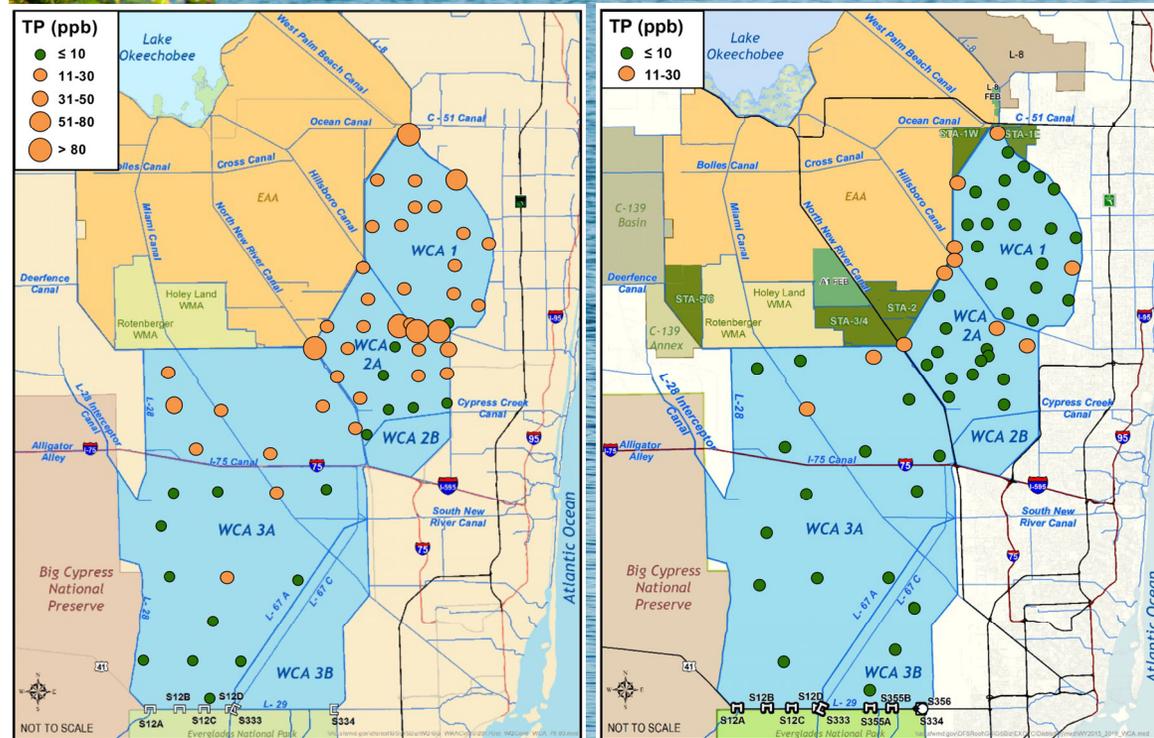
Finish: STA for the EAA Reservoir



Finish: Pump Station for Caloosahatchee Reservoir



Finish: Construction of Restoration Strategies



Finish: 8.5 Square Mile Area Seepage Wall - Phase I

Start: 8.5 Square Mile Area Seepage Wall - Phase II



Start: Final Features of Biscayne Bay Coastal Wetlands



Finish: First ASR Well in Lake Okeechobee Restoration Project

Start: Design of Treatment Facility



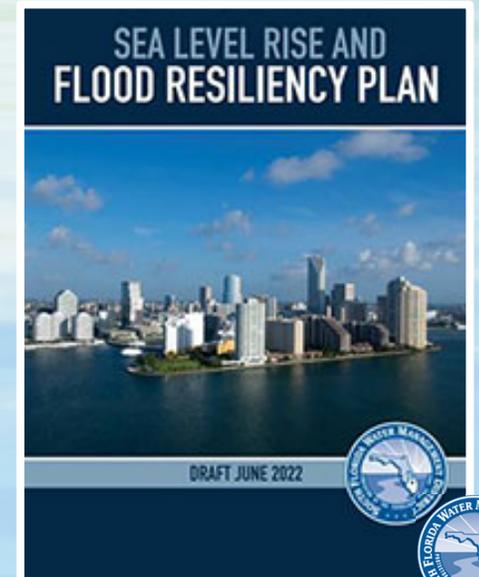
Start: EAA Reservoir



Start & Finish: Taylor Slough Sheetflow Improvements



Resiliency - \$115.5 Million



Taking Care of the BEST Workforce in Florida



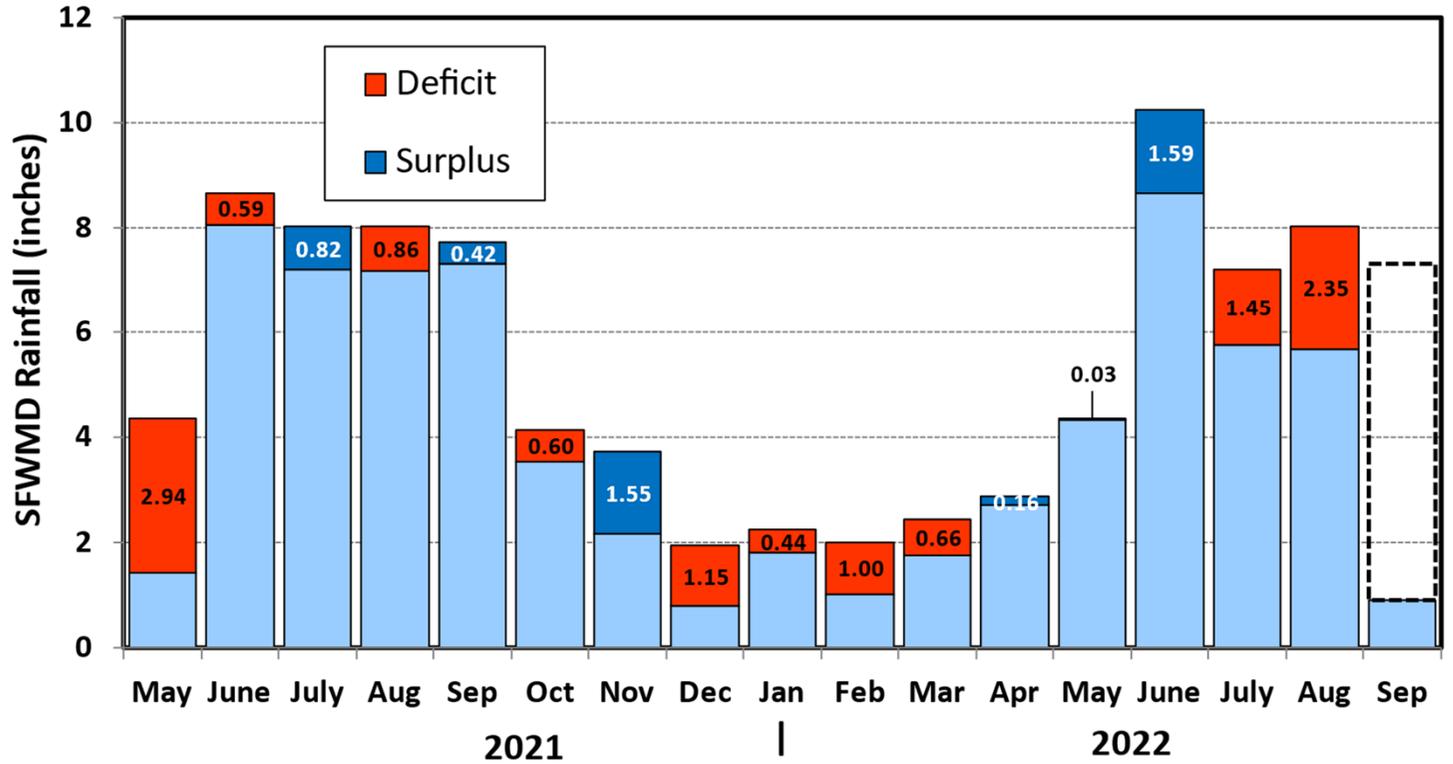
Water Conditions Summary

**South Florida Water Management District
Governing Board Meeting
September 8, 2022**



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

SFWMD Rainfall Distribution Comparison (May 2021- September 2022)



Wet-Season Rainfall

Total rainfall 93% of normal since the start of the 2022 wet season (12 May)

- May (near normal)
- June (80th percentile)
- July substantially dry (15th percentile),
- August rainfall finished at the 15th percentile
- Persistently below normal rainfall over the northeastern half of the SFWMD
- Near normal south of Lake Okeechobee

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

2021 WET SEASON

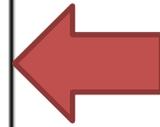
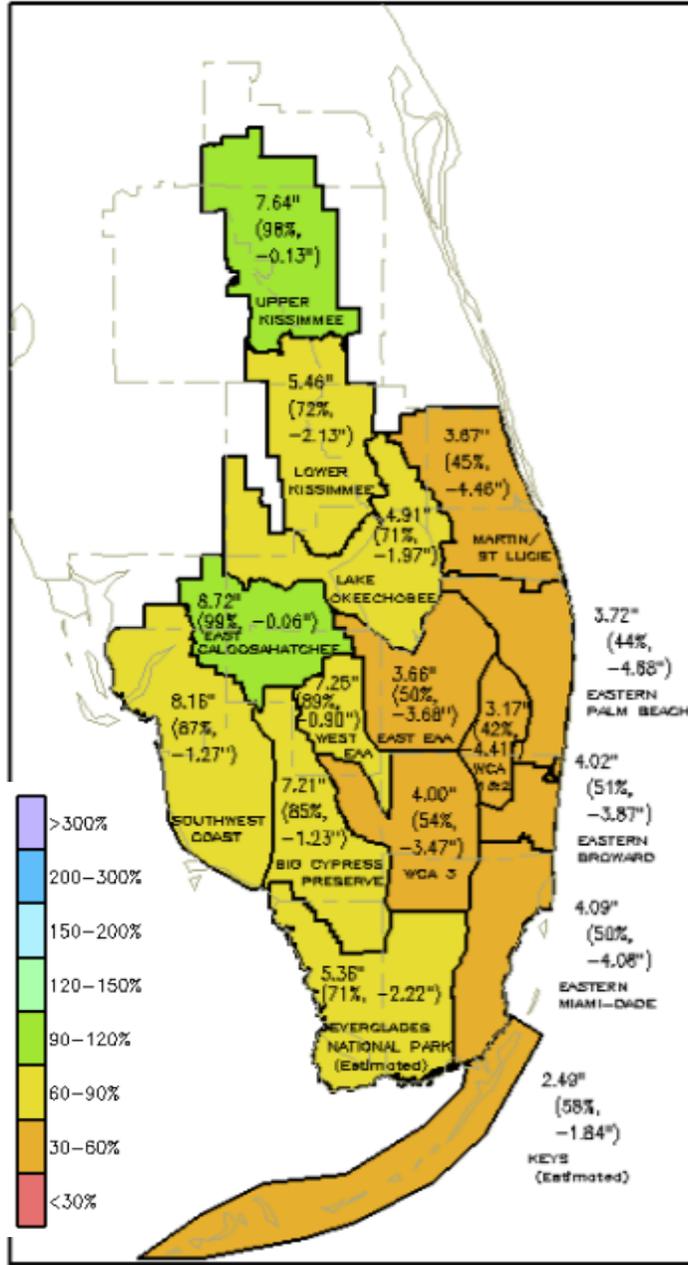
- Late Start 05/28/2021, Ended 10/17/2021.
- Wet season deficits and surplus balanced out.
- Average overall.

2021-2022 DRY SEASON

- Started 10/18/2021 and ended 5/12/2022.
- Dec 2021 to Mar 2022 all below average.
- April ended up slightly above average (106%).
- May was about average.

2022 WET SEASON

- Started 5/13/2022
- May rainfall was about average
- June was ~ 20% above average
- July and August were ~ 20 and 35% below average

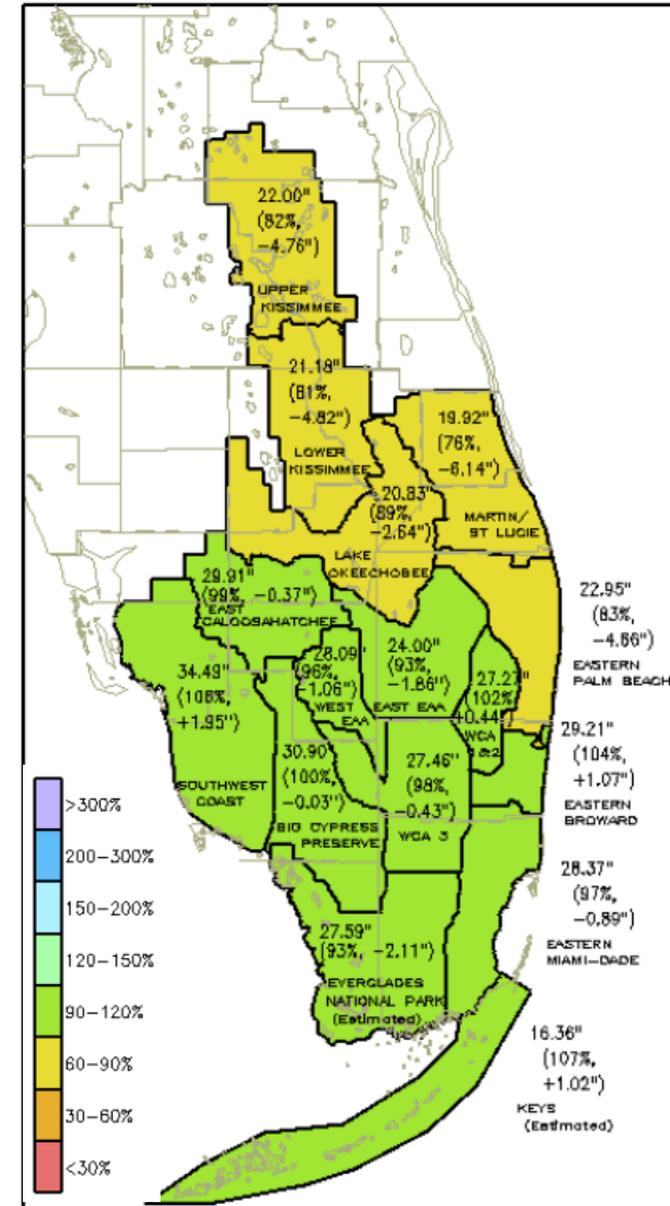
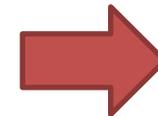


August 2022 Rainfall DISTRICT-WIDE: 5.68"

- 71% of average, -2.35" deficit.
- East Coast and WCA1&2 are in 30-60% of normal.
- Upper Kissimmee and East Caloosahatchee are near normal.
- Remaining areas are 60-90% of normal.

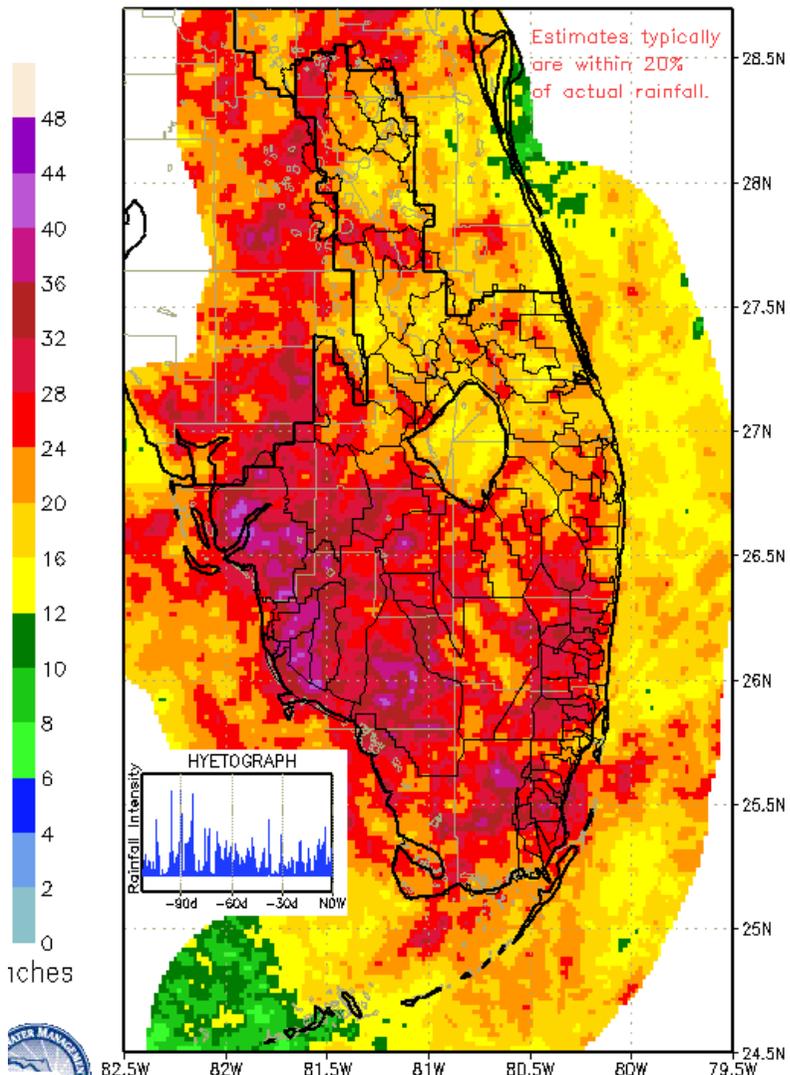
Wet Season Rainfall May 13, 2022 to Present DISTRICT-WIDE: 25.92"

- 93% of average, -2.00" deficit.
- Some variability, 76% to 108% of normal.
- Largest surplus is in the SW Coast, +1.95".
- Basin with largest deficit is Martin/St Lucie, with -6.14".
- 11 out of 16 areas are in the 90-120% of normal range



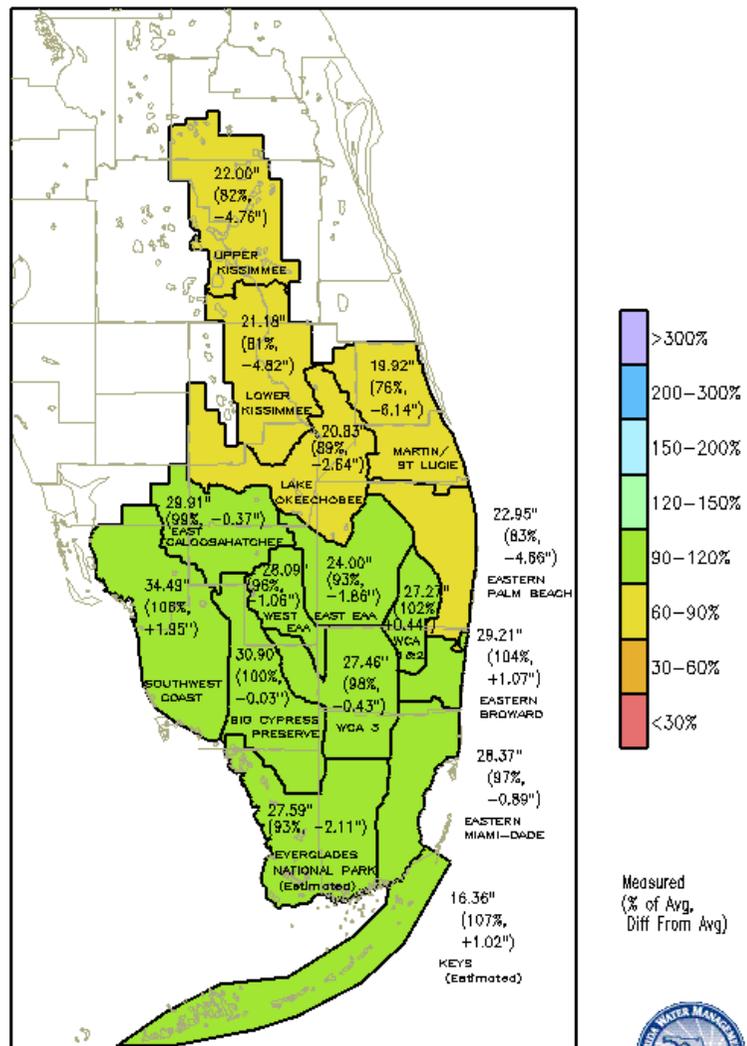
2022 Wet Season Rainfall-to-Date

SFWMD EOD RAINDAR RAINFALL ESTIMATES
 FROM: 0700 EST, 05/12/2022 THROUGH: 0700 EST, 09/02/2022



DISTRICT-WIDE RAINFALL ESTIMATE: 25.324"

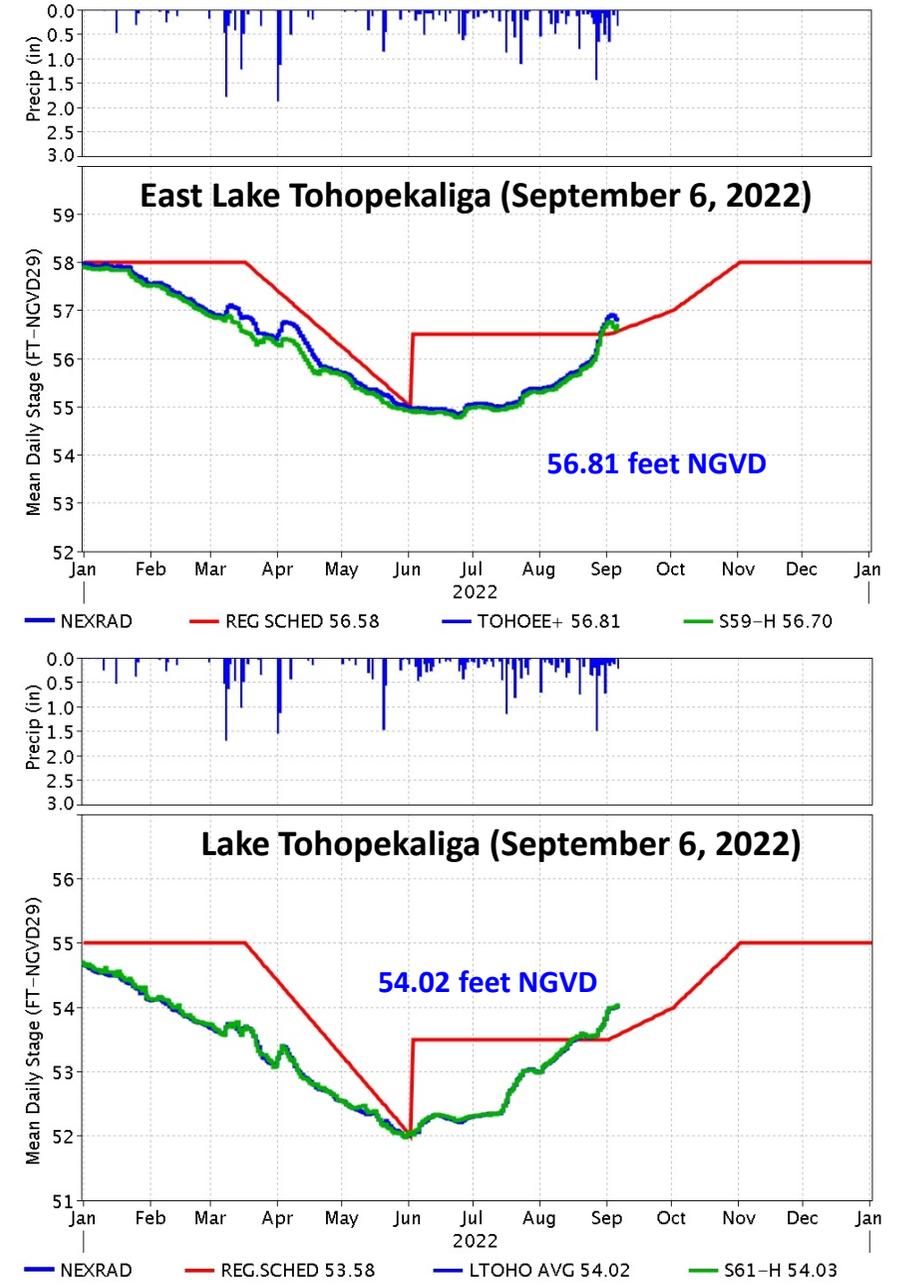
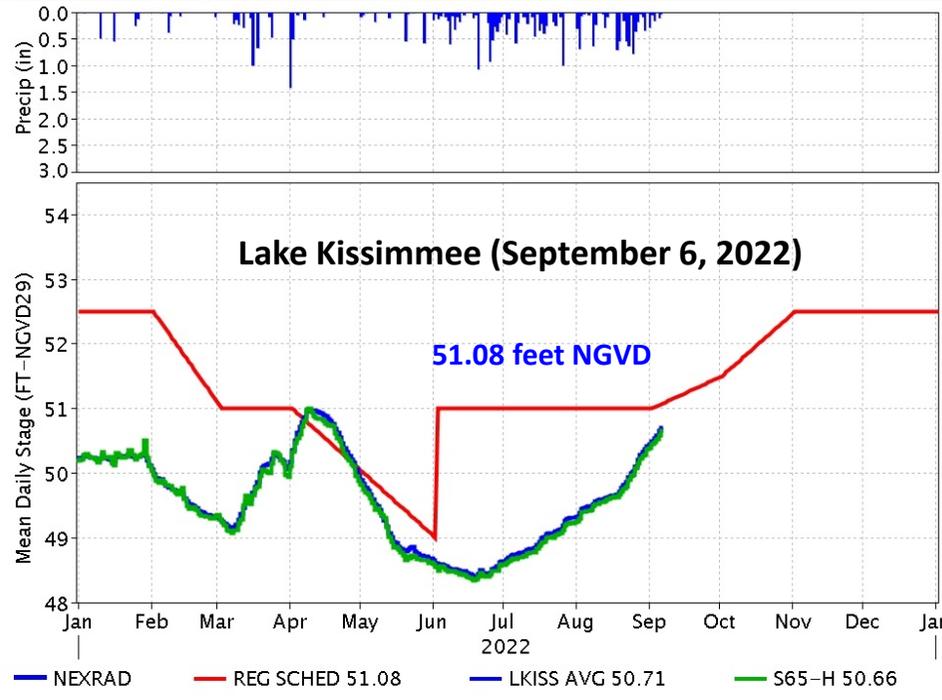
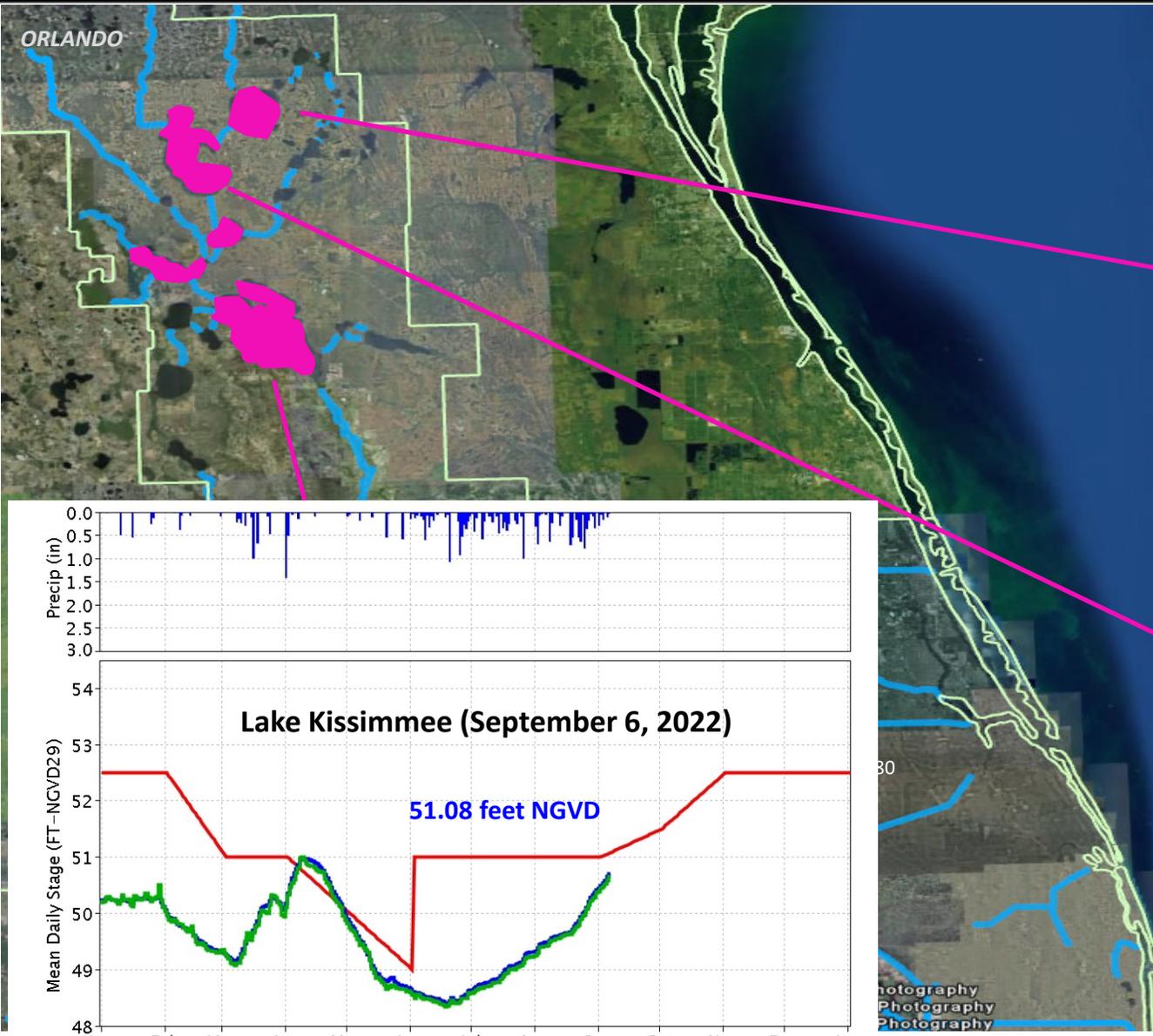
SFWMD Rainfall
 13-MAY-2022 to 06-SEP-2022

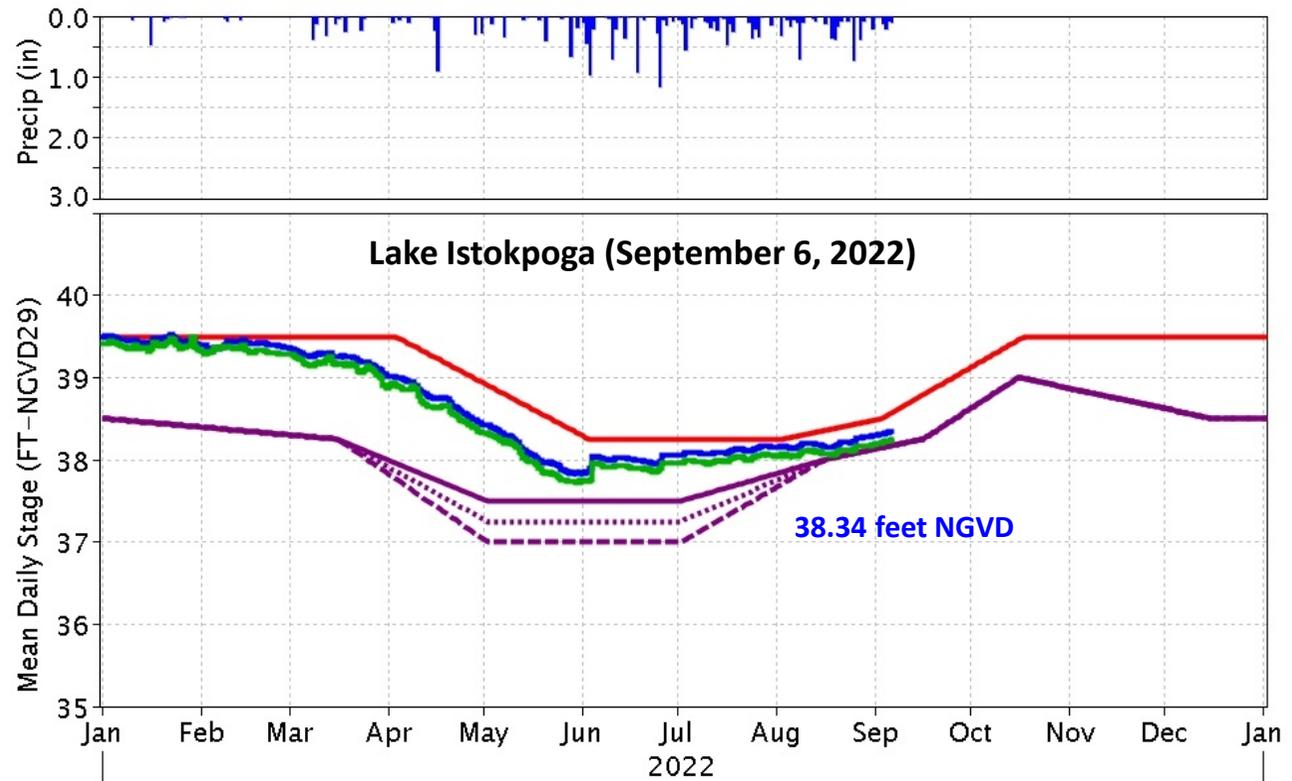
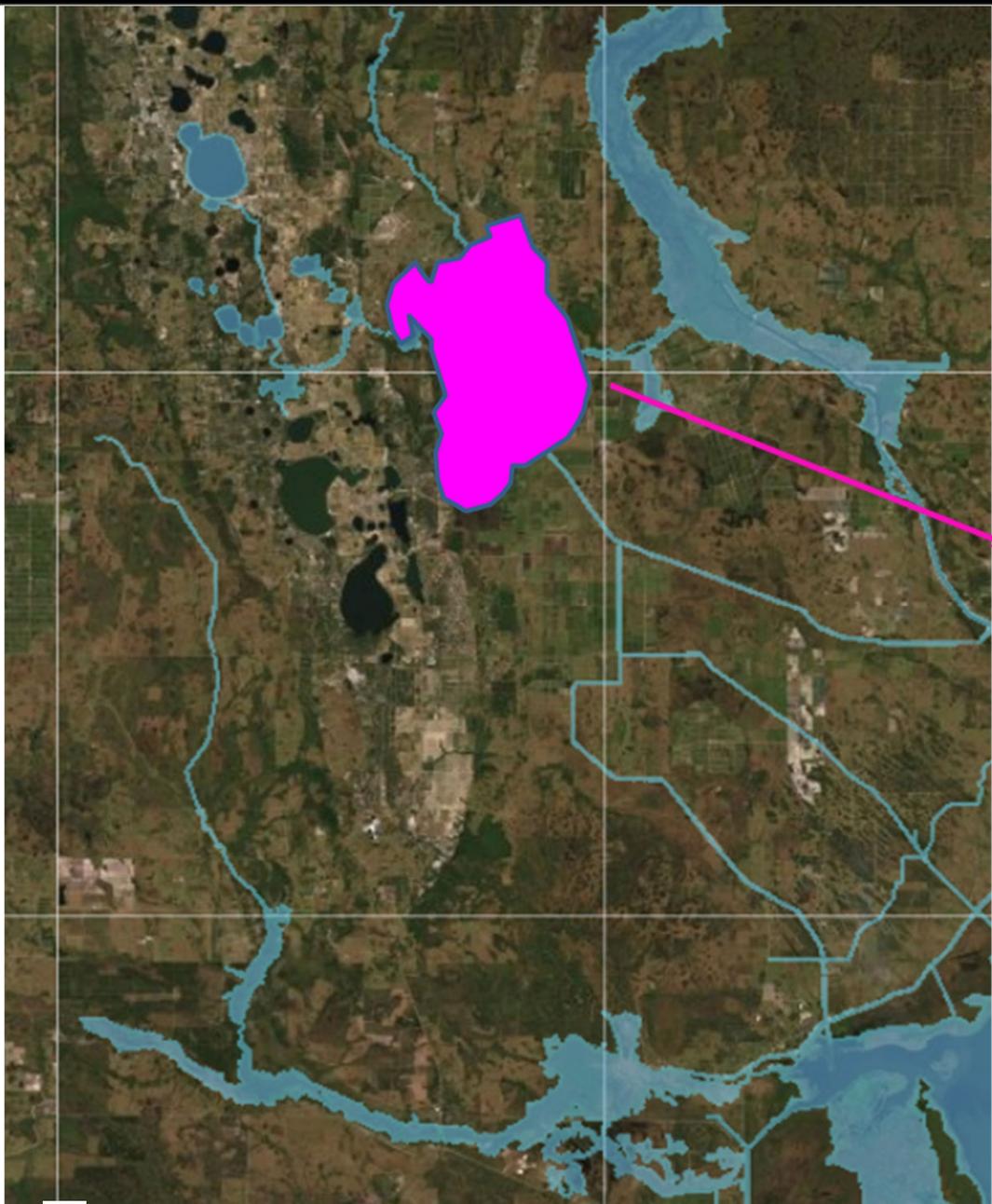


DISTRICT-WIDE: 25.92" (93%, -2.00")

Rainfall Since 12 May

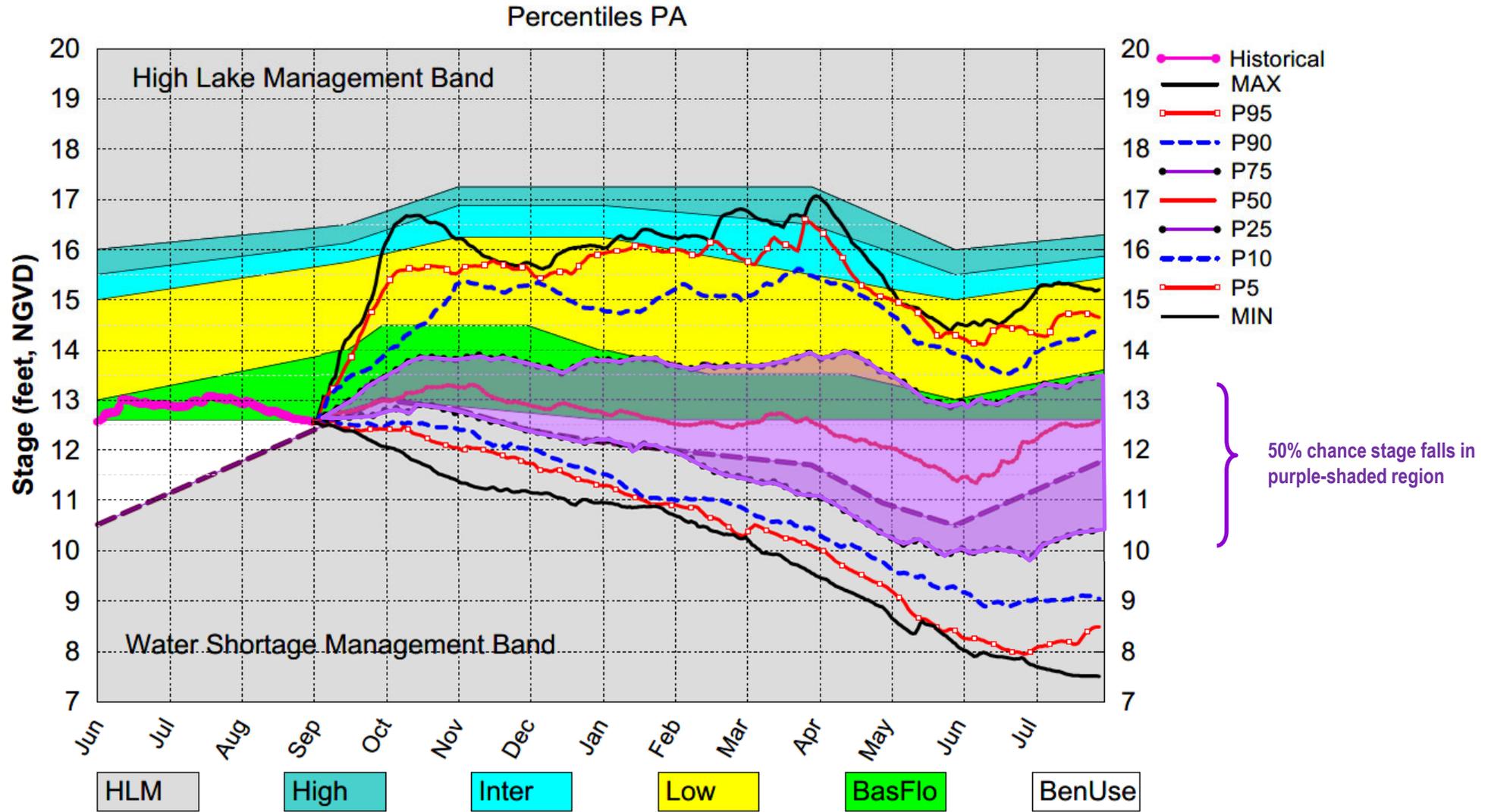
- PTC1/pre-Alex in early June
- District-wide: near normal
- A few more 1" days in June
- Drier since then
- Upper Kissimmee, Lower Kissimmee, Martin/St Lucie and Eastern Palm Beach below normal
- Above normal lower east coast, west coast and Lake Okeechobee and south





- NEXRAD
- WS NORMAL 38.18
- WS Both G207 and G208 38.18
- S68-H 38.24
- REG SCHED 38.59
- WS G207 or G208 unavailable 38.18
- ISTOKAVG 38.34

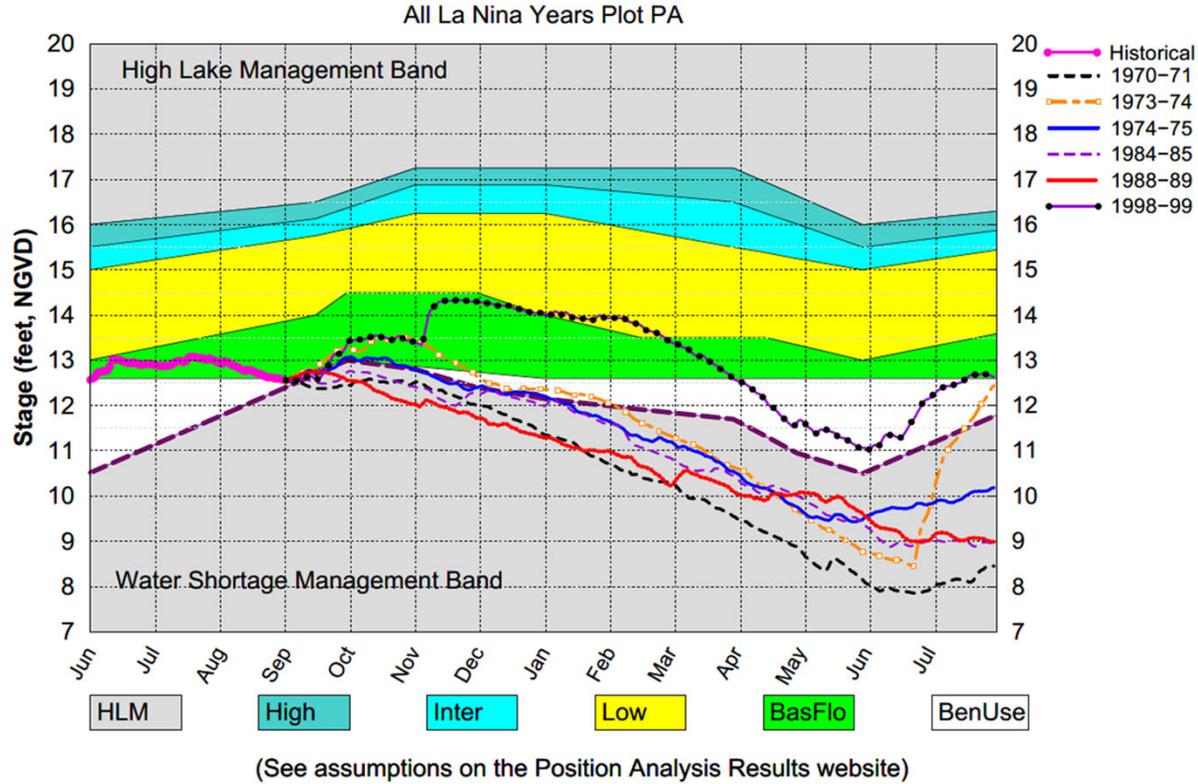
Lake Okeechobee SFWMM September 2022 Position Analysis



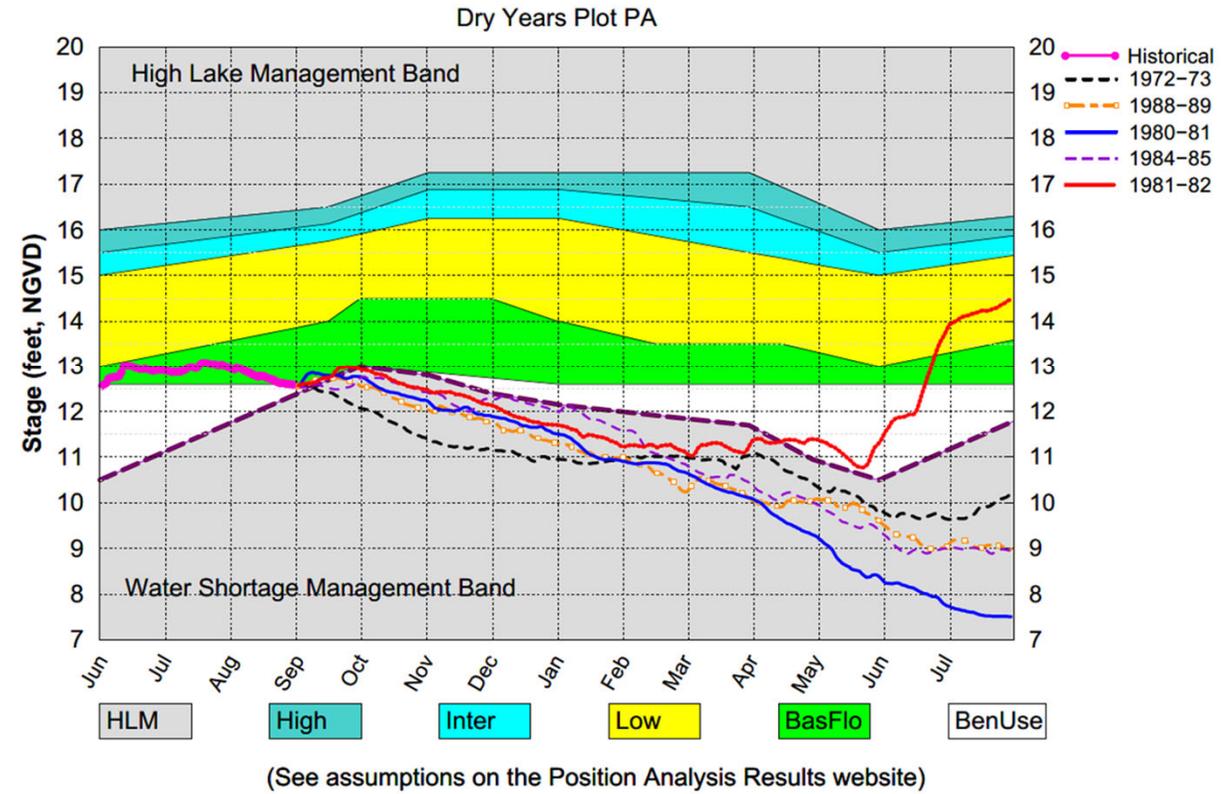
(See assumptions on the Position Analysis Results website)

Mon Sep 5 11:49:23 2022

Lake Okeechobee SFWMM September 2022 Position Analysis



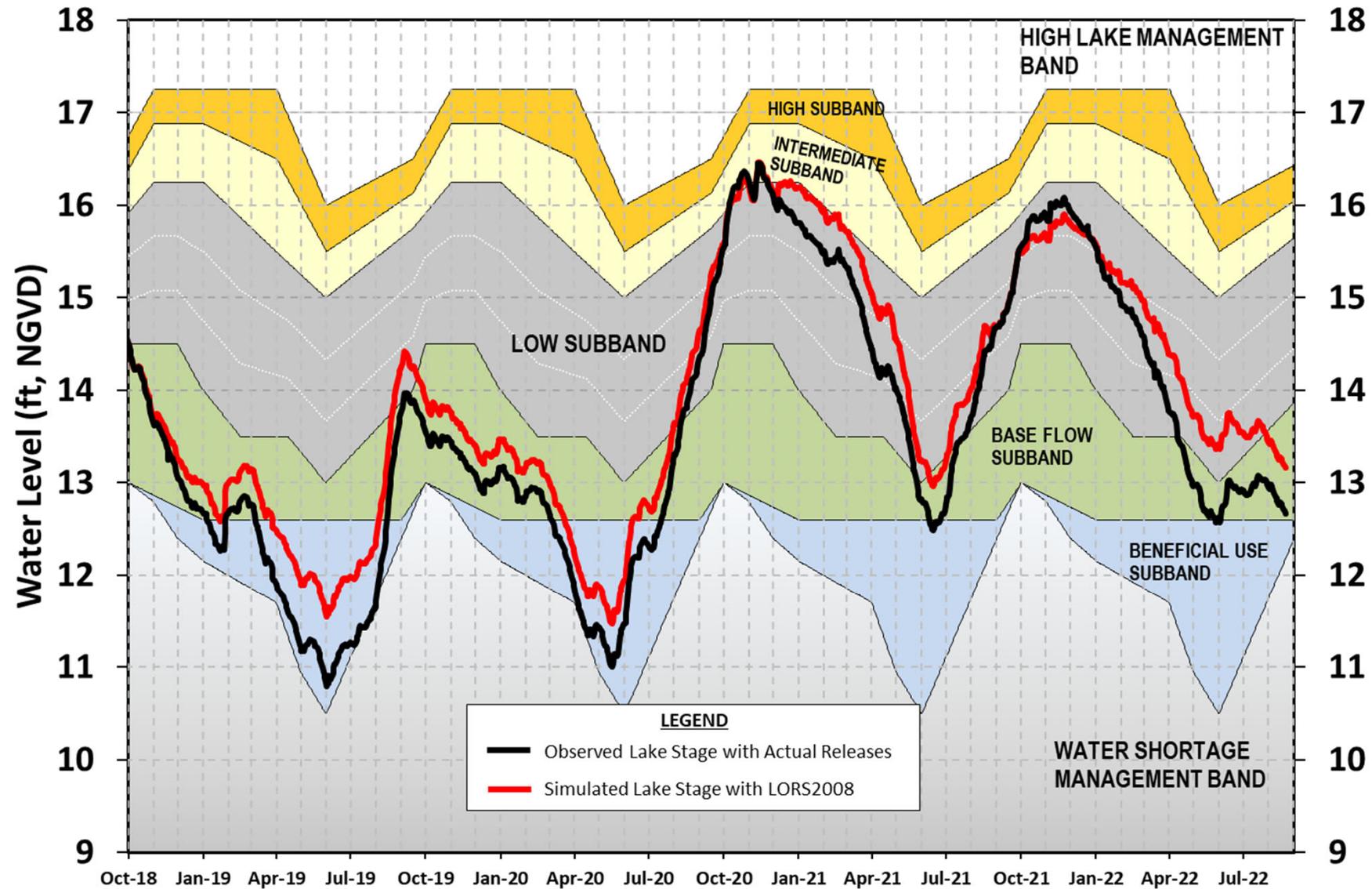
Lake Okeechobee SFWMM September 2022 Position Analysis



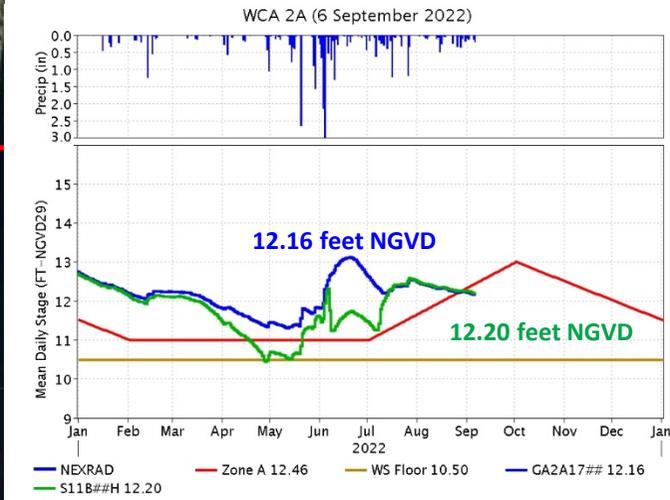
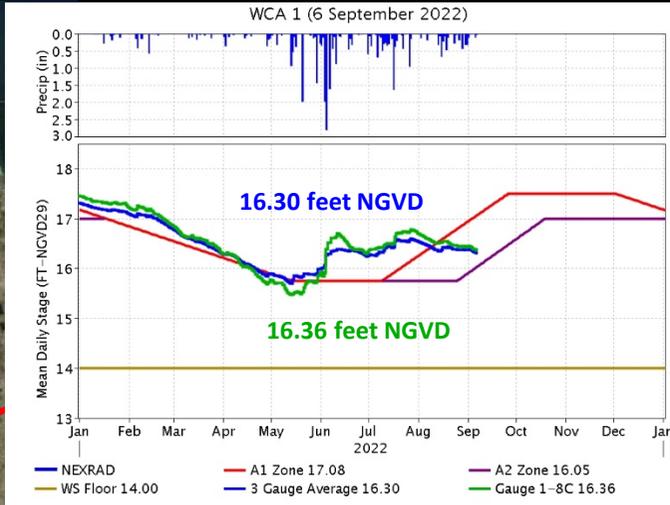
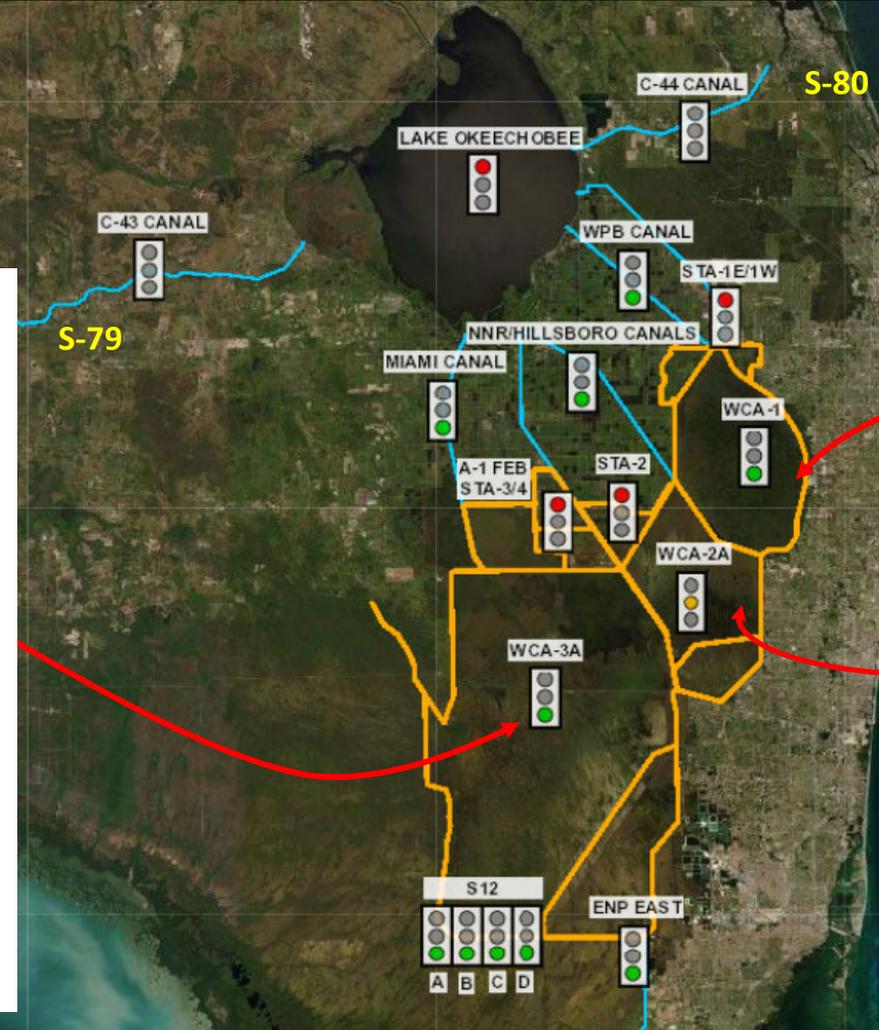
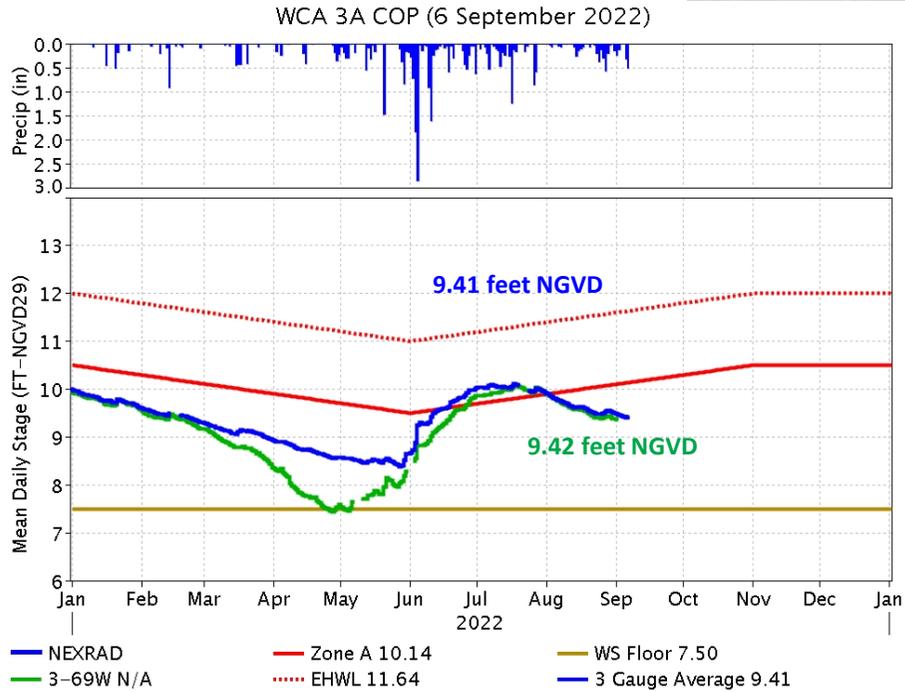
Mon Sep 5 11:22:27 2022

Mon Sep 5 11:39:12 2022

Lake Okeechobee Operations Since October 2018

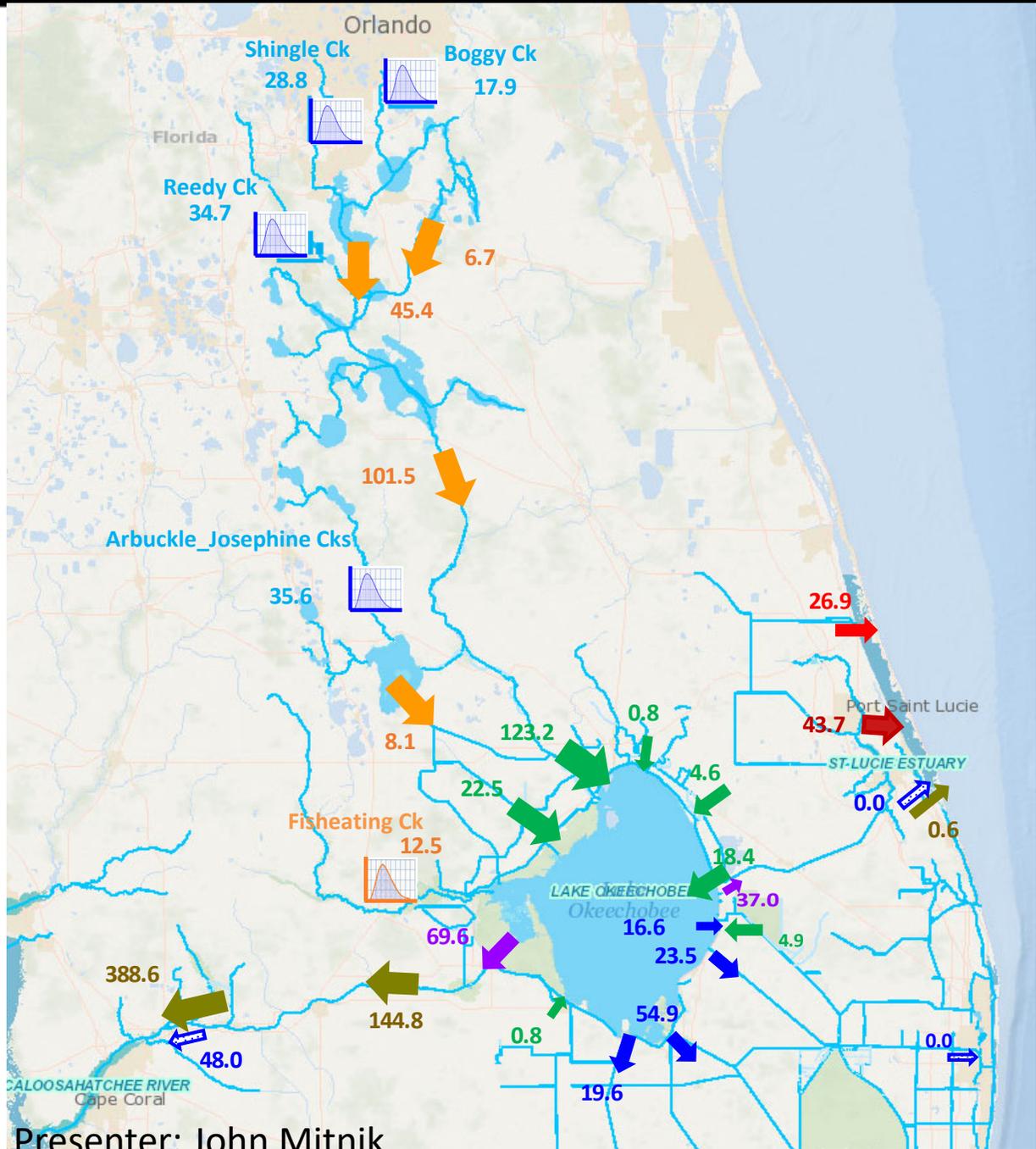


Lake Okeechobee stage was in the Base Flow Sub-band of the LORS-2008 Regulation schedule until Aug. 28th. Now in the Beneficial Use Sub-band. LORS release guidance suggests no releases to the WCAs, or the Estuaries, are necessary to control Lake stages.



For this week, the Tamiami Trail Flow Formula calls for 1,212 cfs releases from WCA-3A, which is being delivered via S-333+S-333N+S-12D. Current L-29 stage constraint is at 8.5 feet NGVD. S-356 is pumping to maintain canal stages in the L-31N within 5.5-5.8 ft NGVD. Currently S-332D is pumping as needed and so are S-200 and S-199. S-18C is open and S-197 is closed. LPG-2 stage at 8.5 SMA is below ground. S-331 has been syphoning and S-357 pumping to maintain stages 5.0 to 5.5 ft NGVD.

WCA-1 stage is below schedule in Zone A2; WCA-2A stage is below schedule; WCA-3A stage is below schedule in Zone B. S-10s are closed. S-11s are closed. S-12C closed Aug. 23. S-12D is open ~ 400 cfs. S-12s A&B were closed on Aug. 10th. S-333 and S-333N ~ 1,080 cfs. S-151 rebuild was complete; open for a while in July, currently closed. S-144, S-145 and S-146 opened July 18th to Aug 3rd. S-343 A and B (100 cfs) opened July 19th. S-344 opened June 23rd (90 cfs). S-343 A and B and S-344 were closed Aug. 3rd. USACE will open S-12A and B, and either reduce or close S-12D.



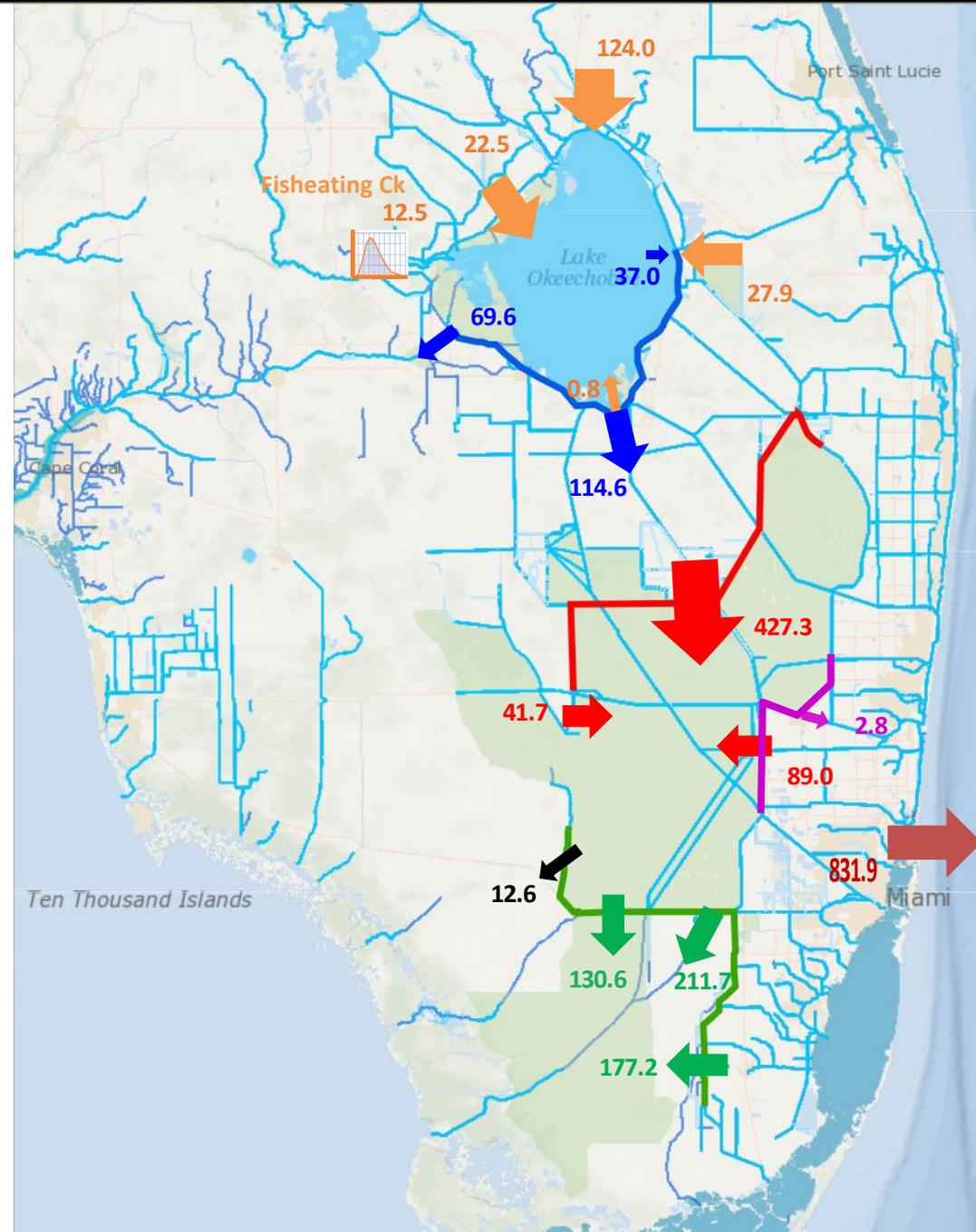
SFWMD – Selected Release Volumes for the Period May 1, 2022 to September 6, 2022
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR to Date	Last Month
	Upper Kissimmee to Lower Kissimmee	101.5	18.5
	Inflows to Lake Okeechobee (including Fisheating Creek)	187.7	26.1
	Lake Releases and Basin Runoff	389.2	93.1
	Lake Releases East and West	106.6	4.1
	Lake Flood Control to Estuaries	48.0	3.8
	Total Lake Releases South	114.6	51.2
	Releases to Indian River Lagoon	26.9	6.9
	Upper East Coast discharges to St. Lucie Estuary	43.7	4.2
	Uncontrolled flows - Creeks (does not include Fisheating Creek)	117.0	51.6

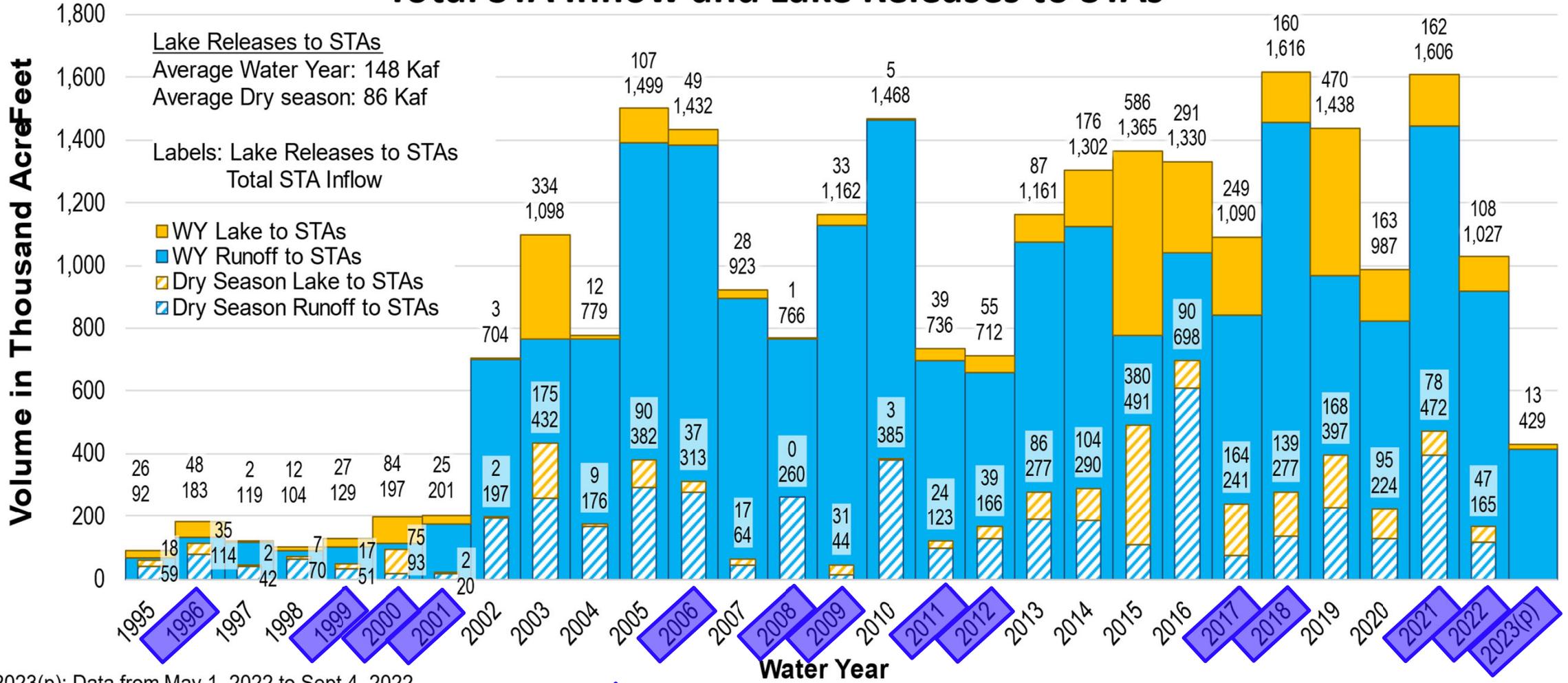
1,000 acre-feet = 325.9 Million Gallons

**SFWMD –Volumes Flowing
Down the System for the
Period May 1, 2022 to September 6, 2022**
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2022	Last Month
	Lake Okeechobee Inflows	187.7	26.1
	Lake Okeechobee Outflows	221.2	55.3
	WCAs Inflows	558.0	41.8
	ENP / Detention Cell Inflows	519.5	138.5
	WCAs to East	2.8	0.5
	Flows to Intracoastal	831.9	80.7



Total STA Inflow and Lake Releases to STAs



2023(p): Data from May 1, 2022 to Sept 4, 2022.

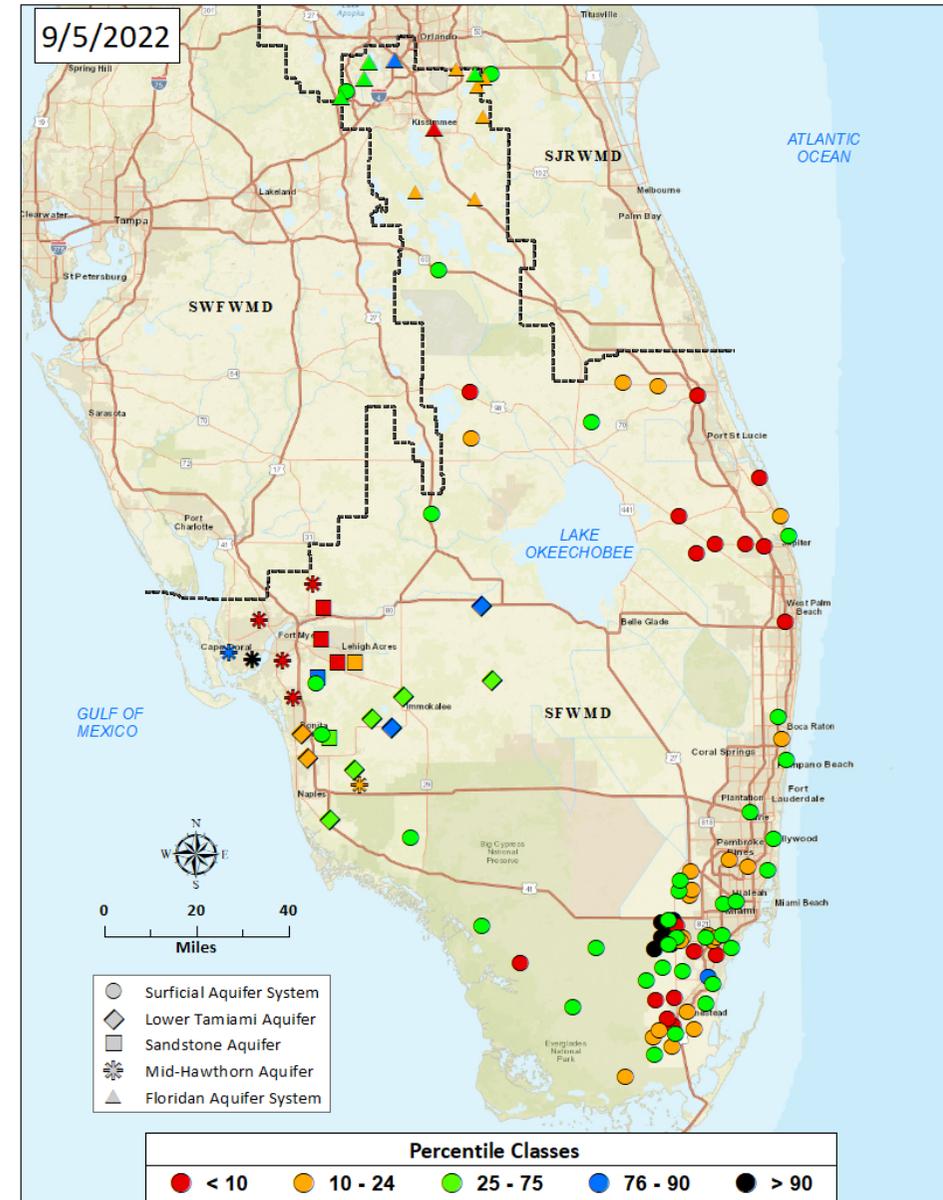
La Niña Water Years

Status of Groundwater Conditions

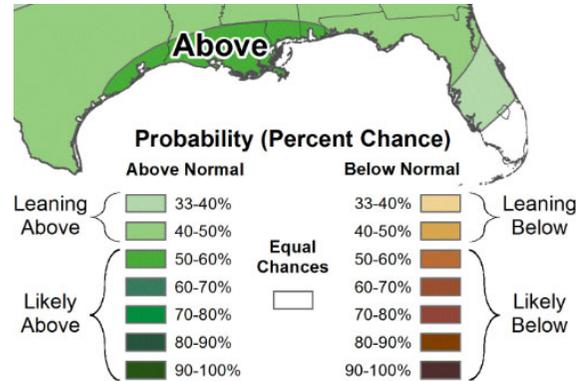
- About 60% of the Floridan aquifer wells in the upper Kissimmee Basin are in the lower percentile ranges. The majority of the surficial aquifer wells are on the low side in the Lower Kissimmee and Upper East Coast regions due to the lack of rain over the last month.
- Upper East Coast surface water and groundwater levels decreased during the last week. About 85 percent of the UEC surficial aquifer stations are in the lower percentile ranges for this time of year, due to below-average rainfall.
- About 60 percent of the surface and groundwater stations in the Lower East Coast recorded decreasing trends over the past seven days. About half of the LEC surficial aquifer system stations are in the lower percentile ranges for this time of year.
- Groundwater levels increased in 85% of the wells in the Lower West Coast over the past week. Most of the surficial aquifer wells are at median levels. Twenty percent of the surficial aquifer system wells and about 30 percent of the Lower Tamiami aquifer wells are in the lower percentile ranges for this time of year. Fifty percent of the Sandstone aquifer wells are in the lower percentile ranges and about 70 percent of the Mid-Hawthorn aquifer wells are in the lower percentile ranges.

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

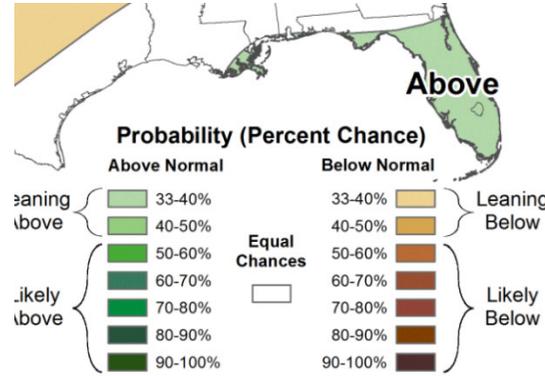
- Each colored symbol represents a monitoring well that continuously records groundwater levels.
- Color coding represents a statistical comparison of current water levels to historical water levels for this time of the and the percentile rankings are based on monthly long-term groundwater level averages.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



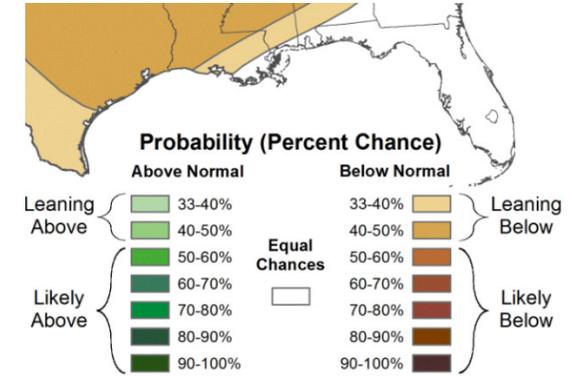
CPC Precipitation Outlook for South Florida



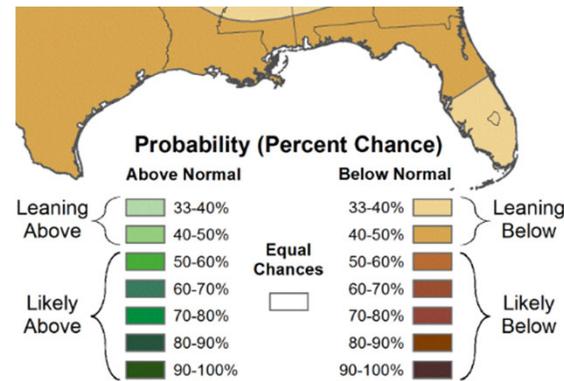
Sep 2022



Sep 2022 – Nov 2022



Oct 2022 – Dec 2022



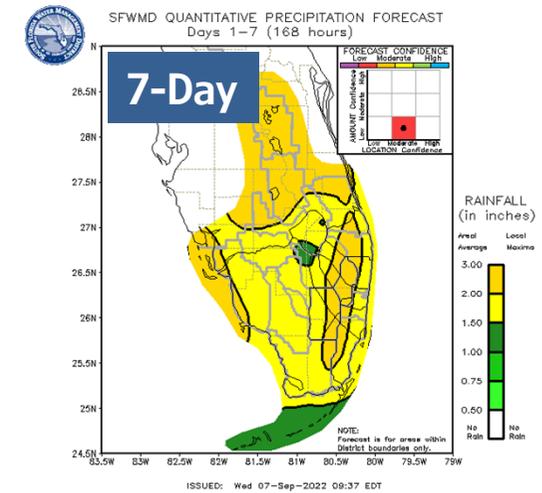
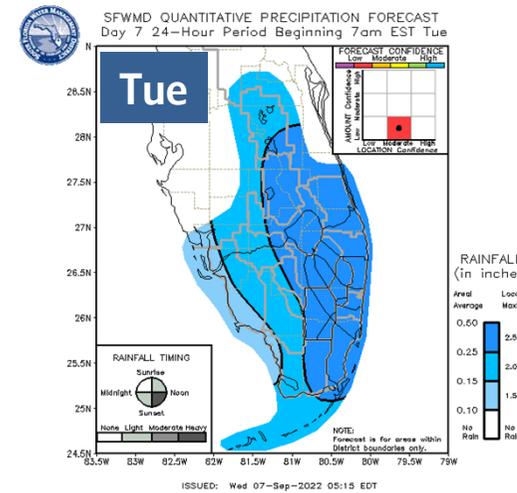
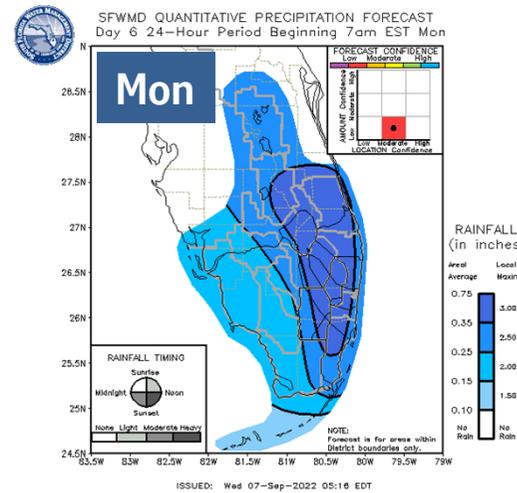
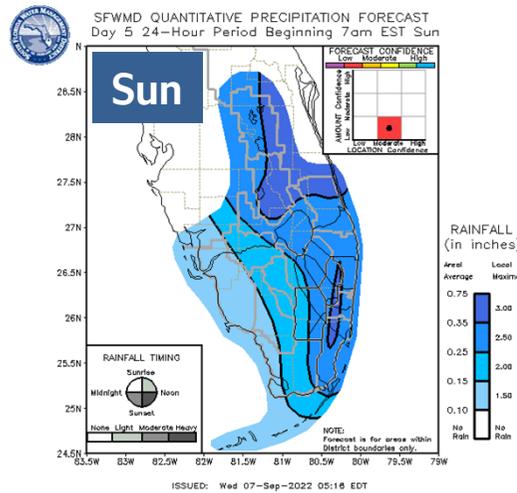
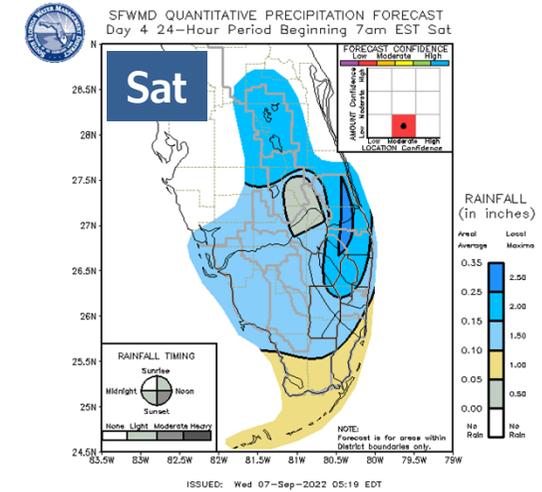
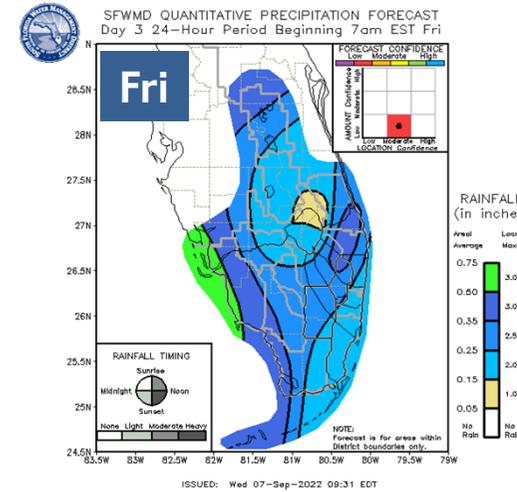
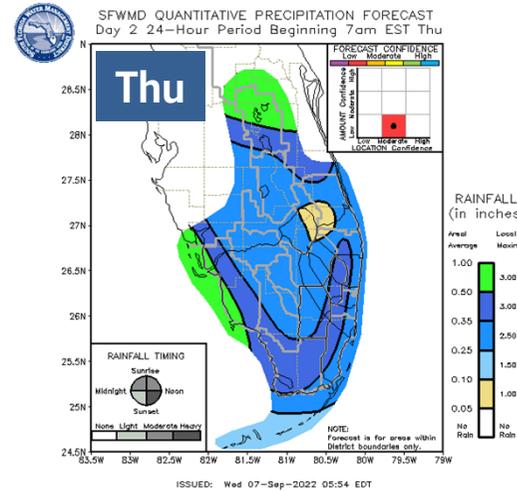
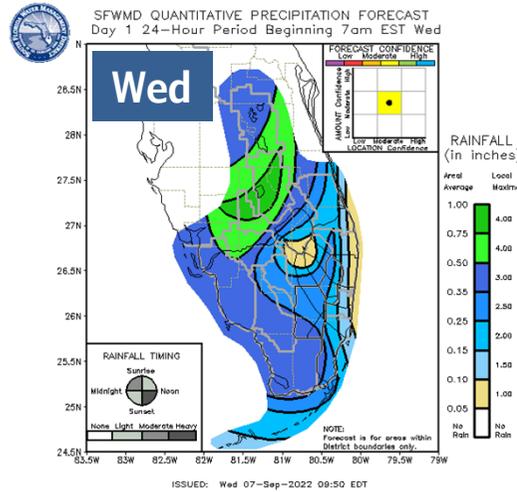
Dec 2022 – Feb 2023

Updated August 31, 2022

- The most recent CPC precipitation outlook for South Florida for September 2022 is for equal chances (EC) of below, normal and above normal rainfall for the District area south of a line bisecting Lake Okeechobee, and for slightly increased chances of above normal for the area north of the same line
- The outlooks for the 3-month window Sep – Nov and Oct - Dec are for slightly increased chances of above normal rainfall and equal chances, respectively.
- The outlooks for the 3-month windows of Nov 2022 – Jan 2023 and Dec 2022 – Feb 2023 are for slightly increased chances of below normal rainfall.
- The outlooks for the 3-month windows from Jan 2023 - Mar 2023 and Feb 2023 - Apr 2023 are for increased chances of below normal rainfall.
- The outlook for the end of the 2023 dry season is for equal chances, transitioning into slightly increased chances of above normal rainfall for the beginning of the 2023 wet season.

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

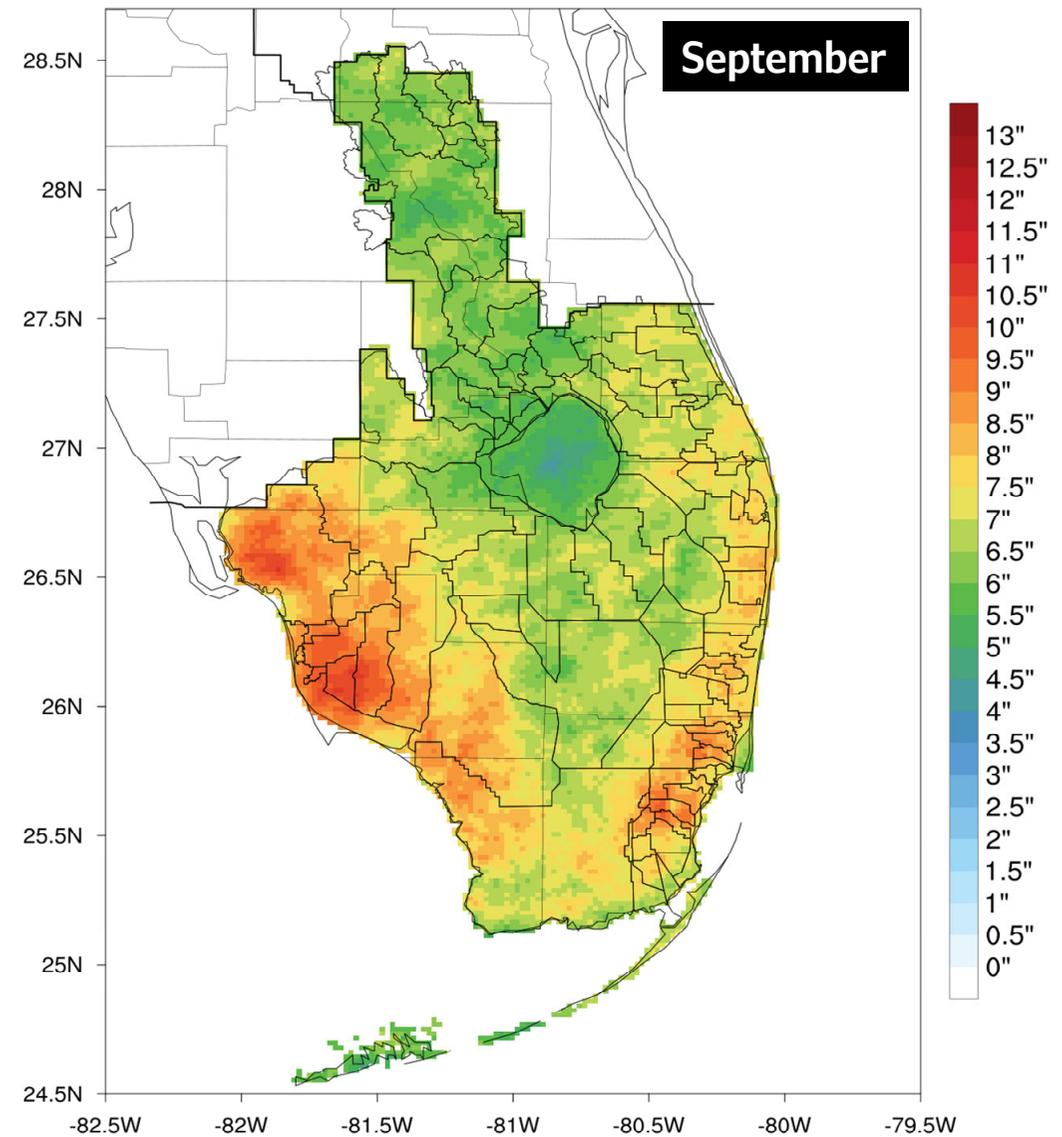
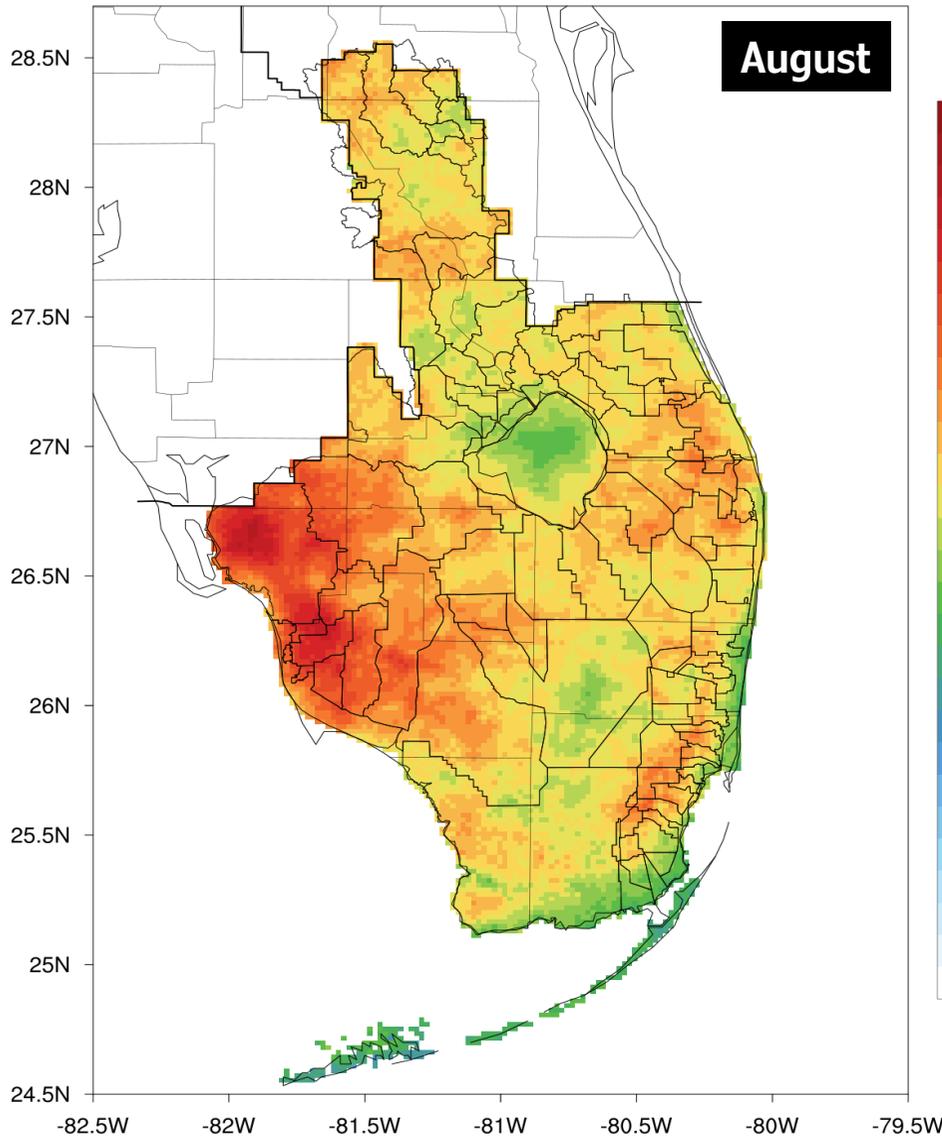
Short-, Medium-, & Extended-Range Outlooks

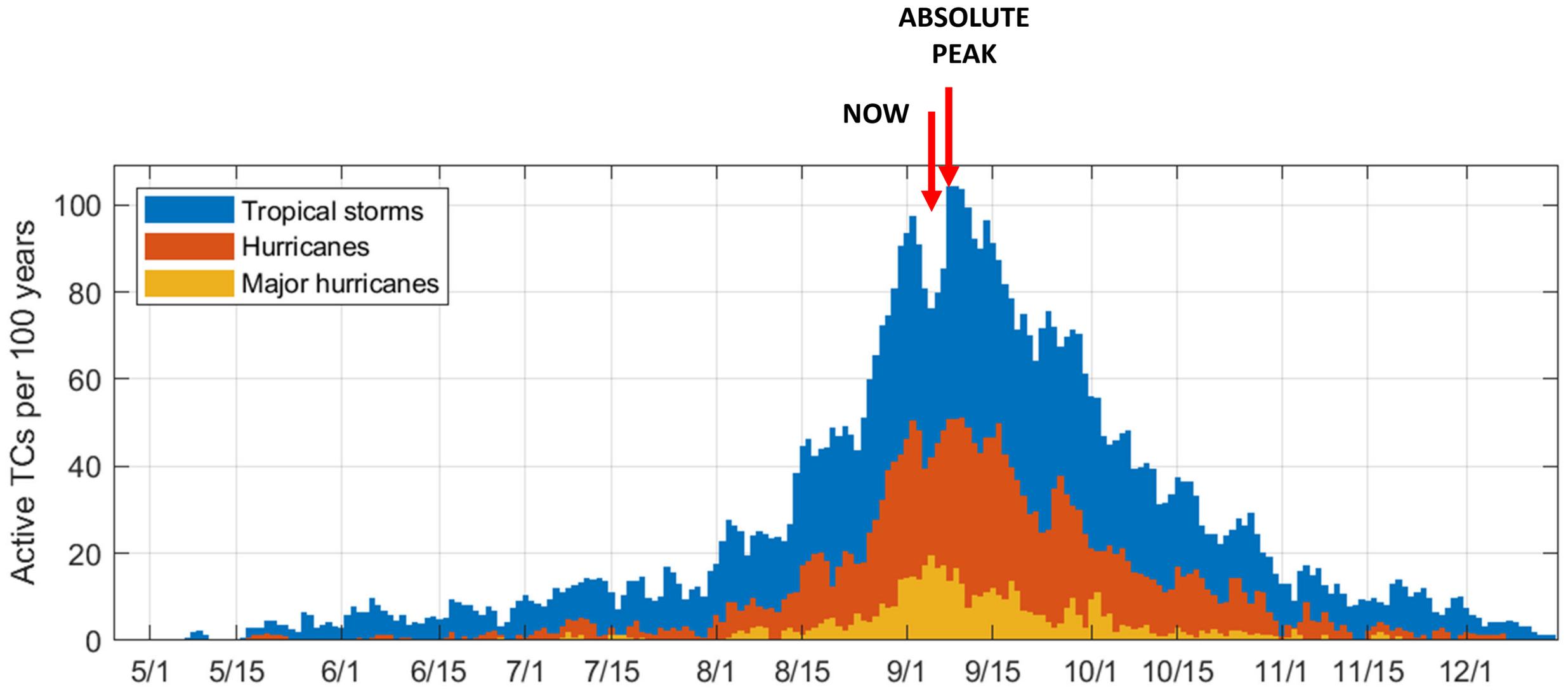


Weekly Summary

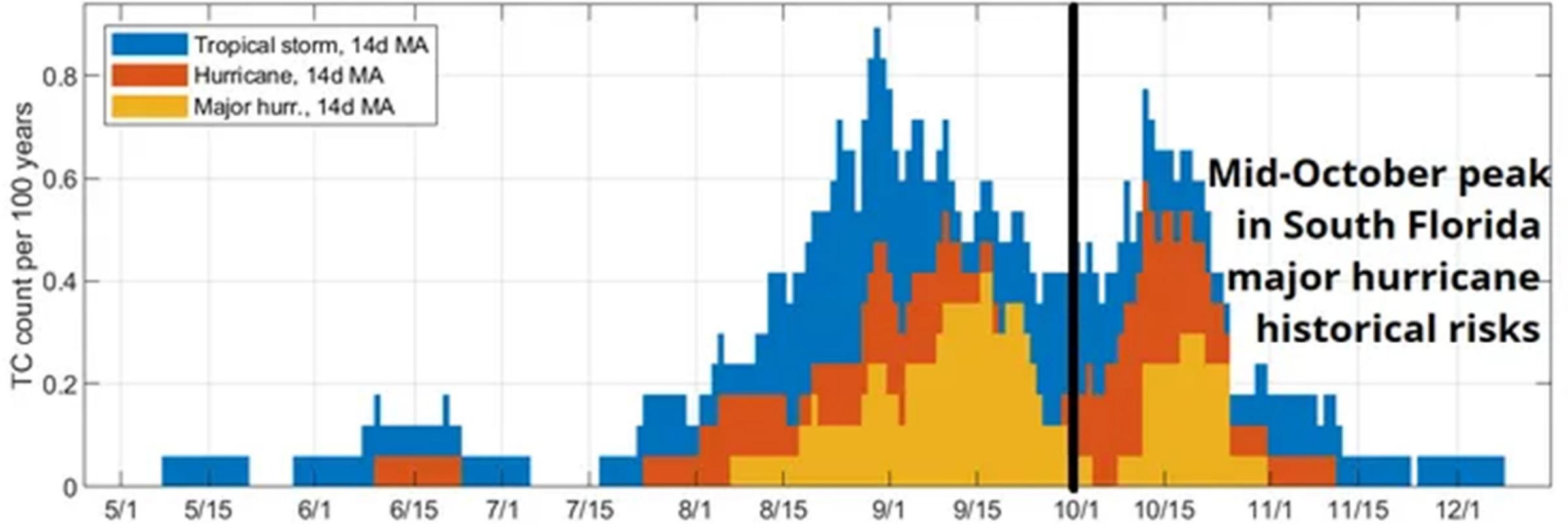
Week 1 (Historical Avg: 1.84"): Near-to-slightly above average
 Week 2 (Historical Avg: 1.64"): Near-to-slightly above average

Average Monthly Rainfall (2002-2021)





Daily distribution of TC activity within 125km of South Florida, 1900-2020



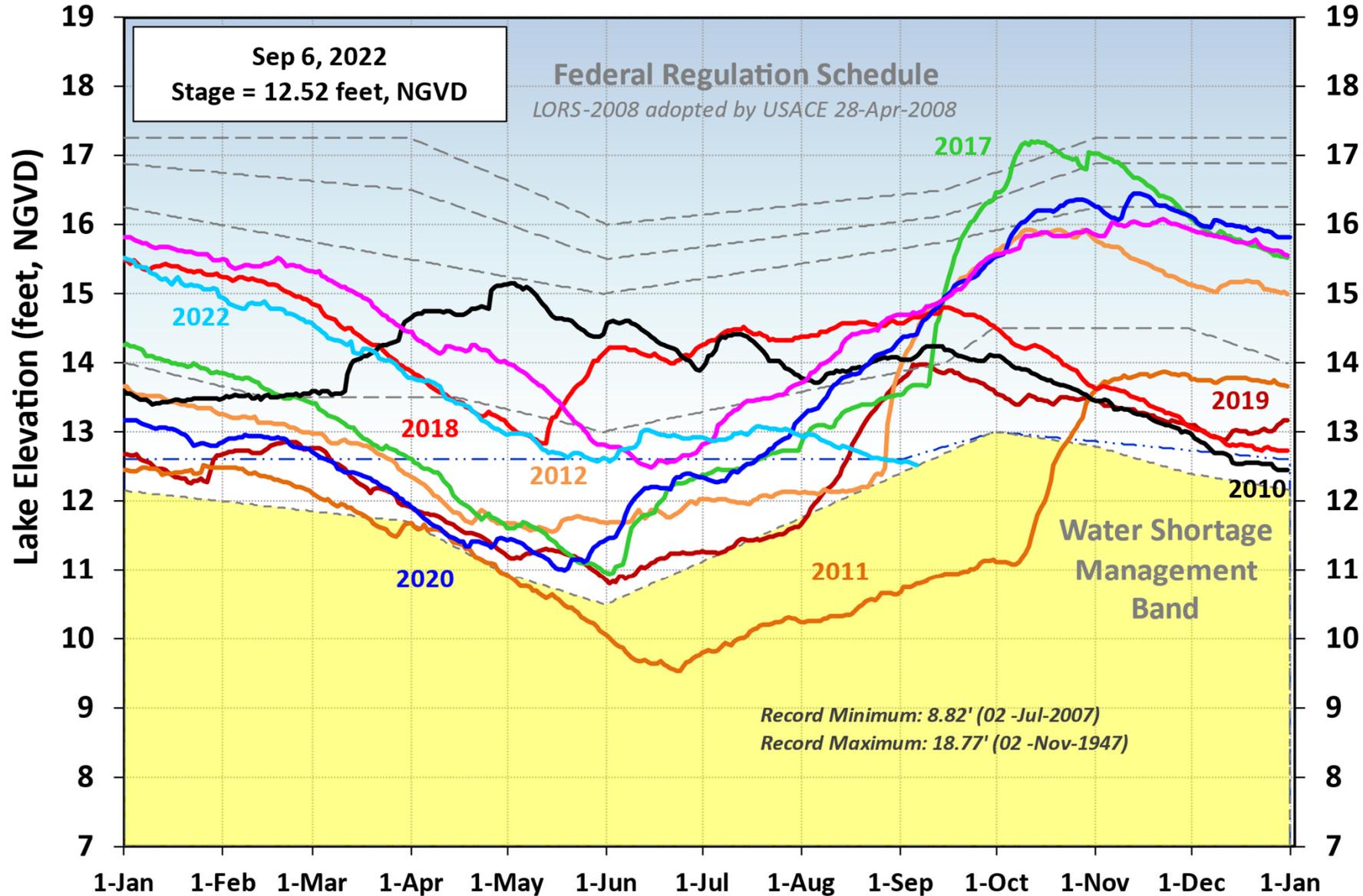
**Mid-October peak
in South Florida
major hurricane
historical risks**

Discussion of Lake Okeechobee
Operations for the upcoming 30-day
period.

Storm front over Lake Okeechobee

Credits: Brent Anderson, SEWMD

Lake Okeechobee Water Level Comparison



Ecological Conditions Update

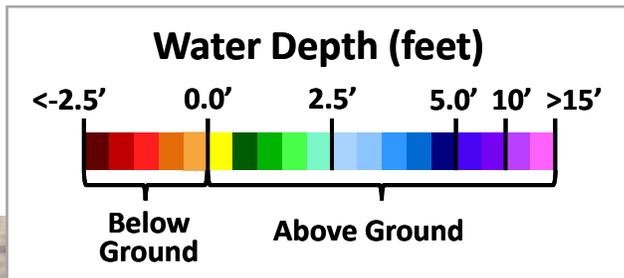
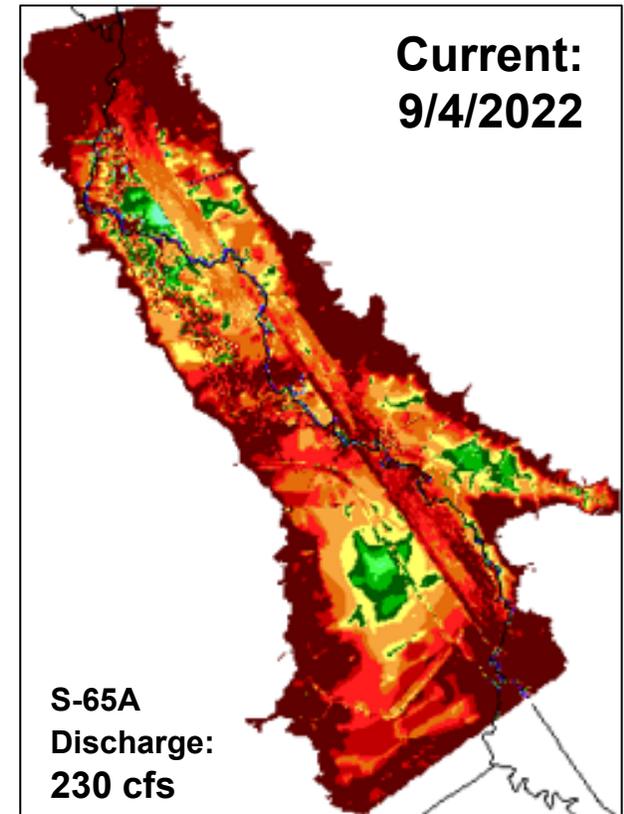
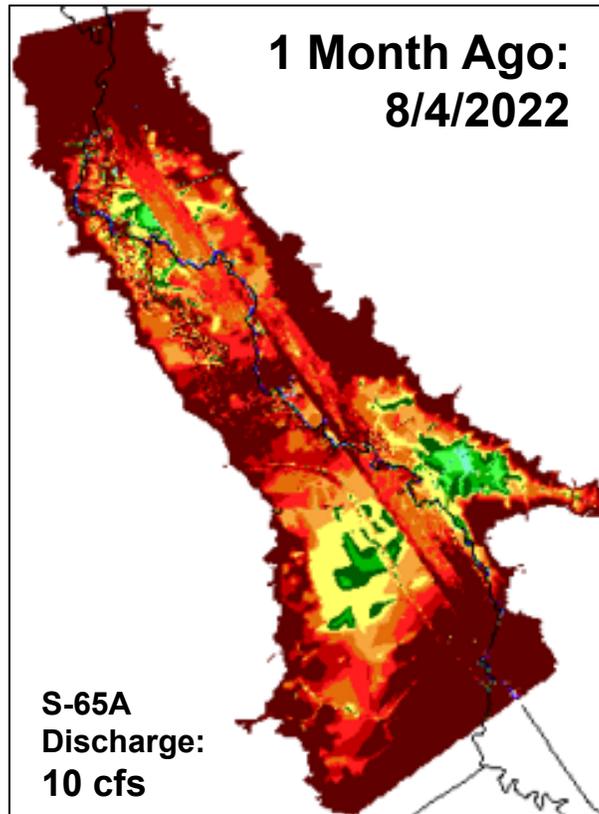
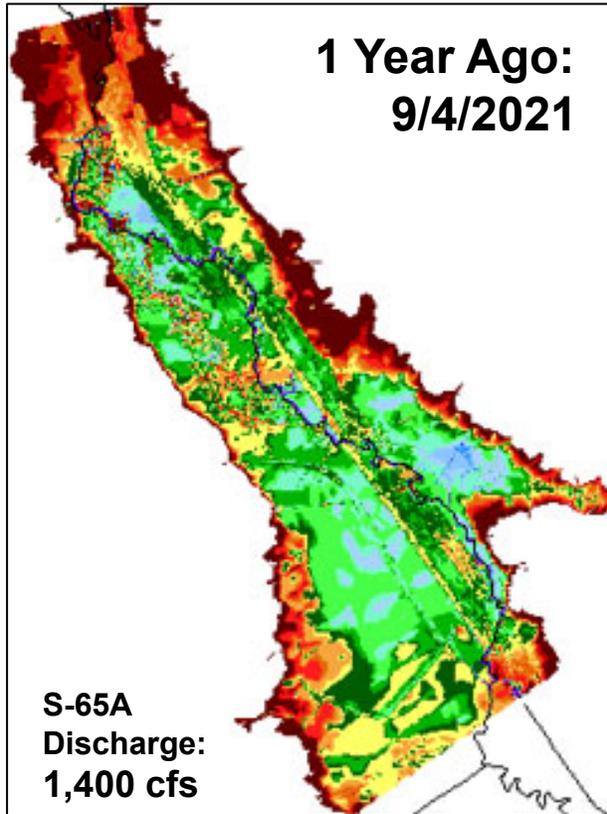
Governing Board Meeting

September 8, 2022



Lawrence Glenn
Division Director
Water Resources

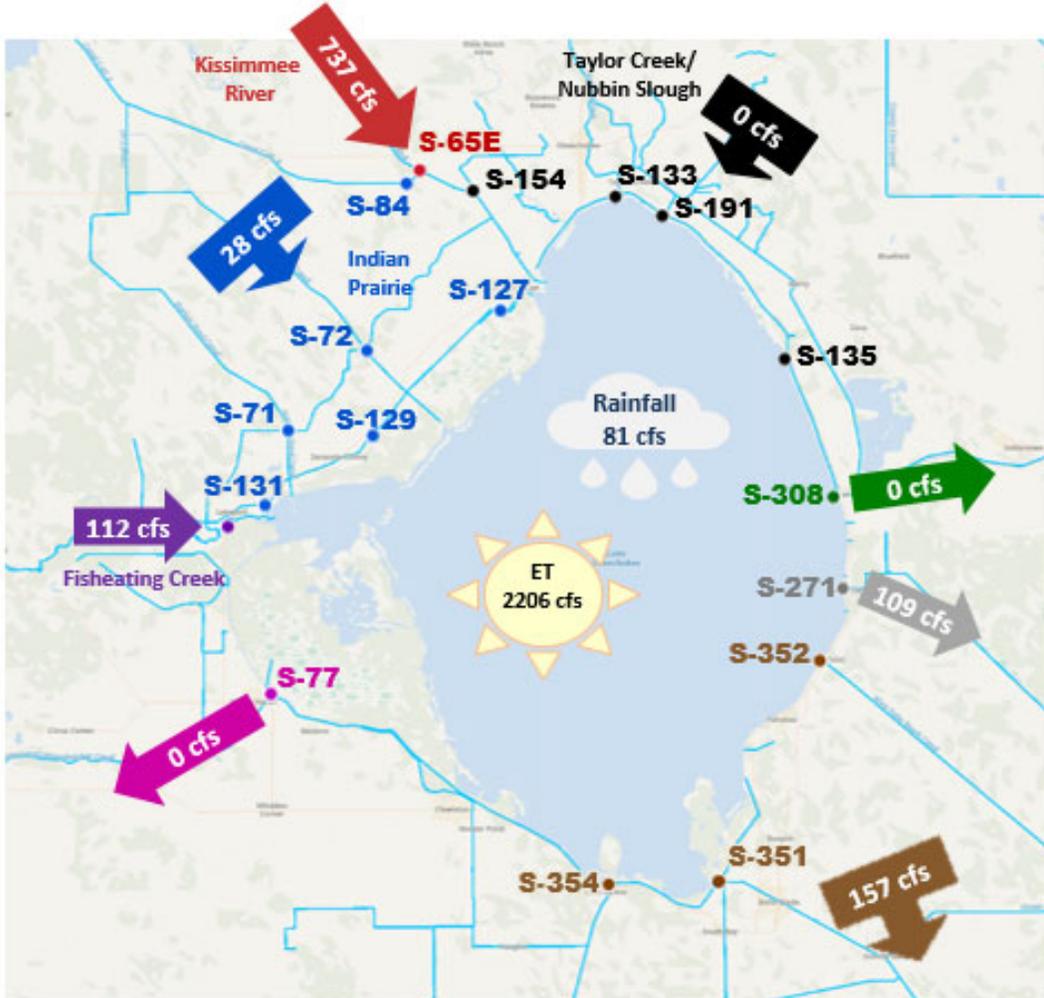
Kissimmee River (Phase I) Floodplain Water Depth Maps



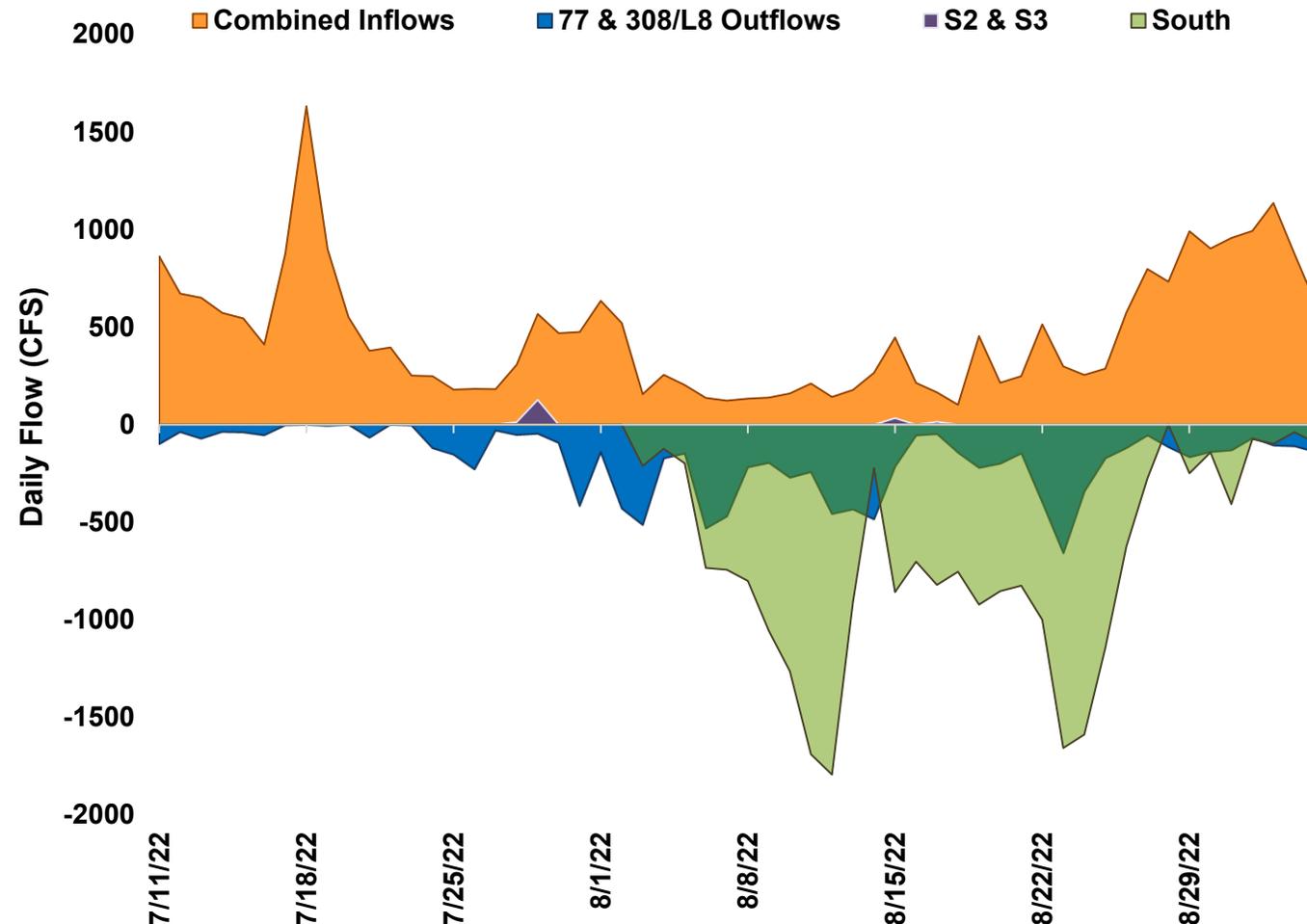
Lake Okeechobee Hydrology

(*Provisional Data)

Aug 29 – Sep 4 Inflows and Outflows

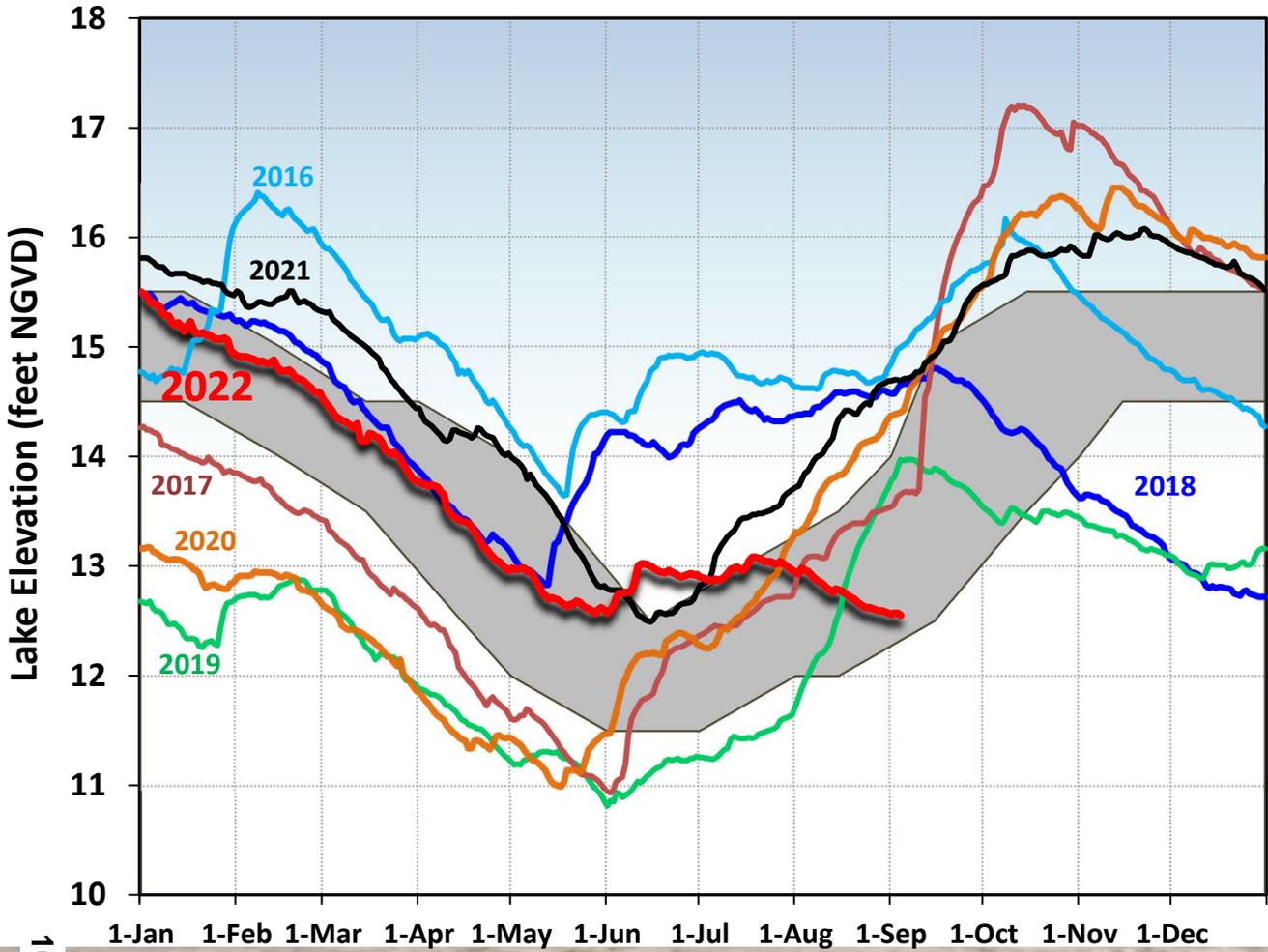


Prior 8 Weeks Inflows and Outflows

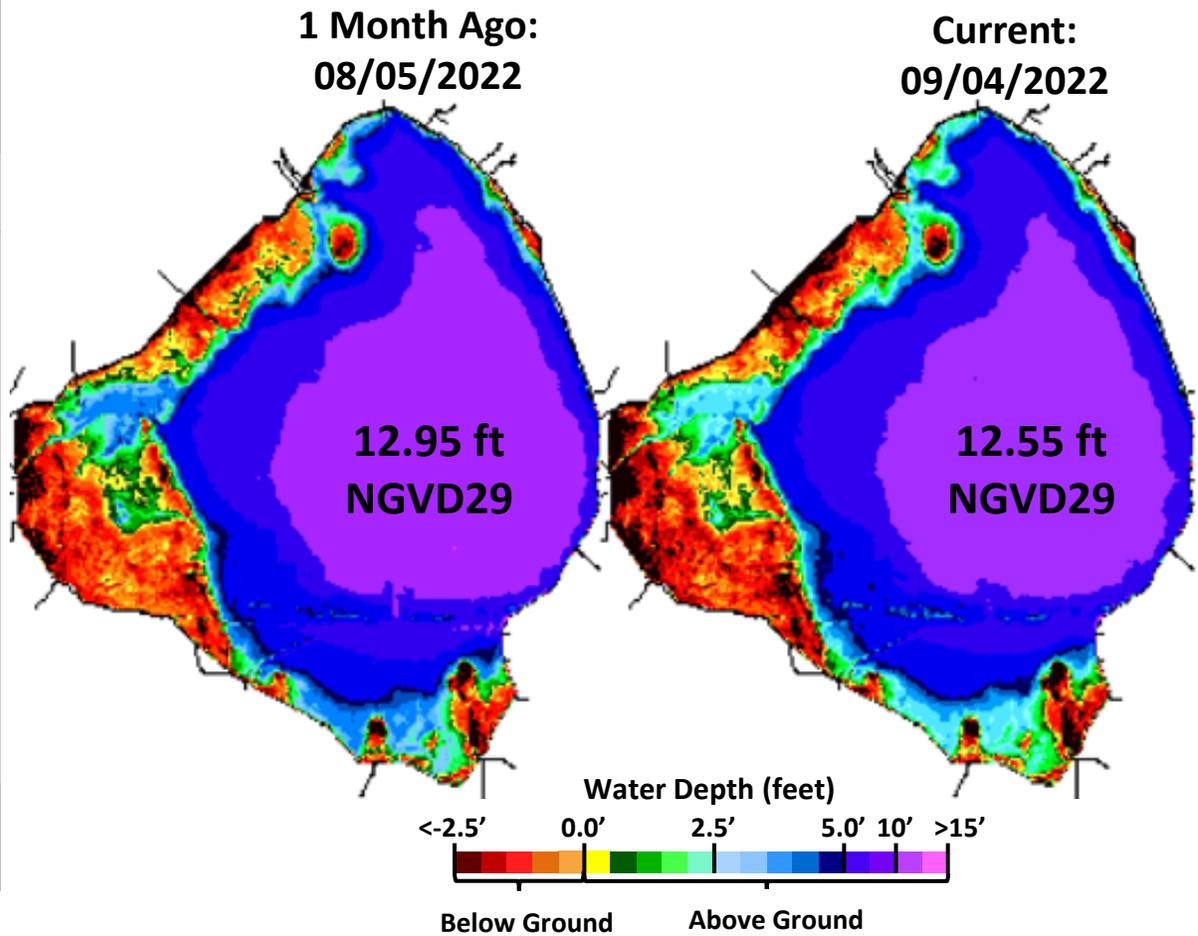


Ecological Envelope and Water Depths

Lake Okeechobee Stage vs Ecological Envelope



Changes in Water Depth



Lake Okeechobee Cyanobacteria Bloom Potential

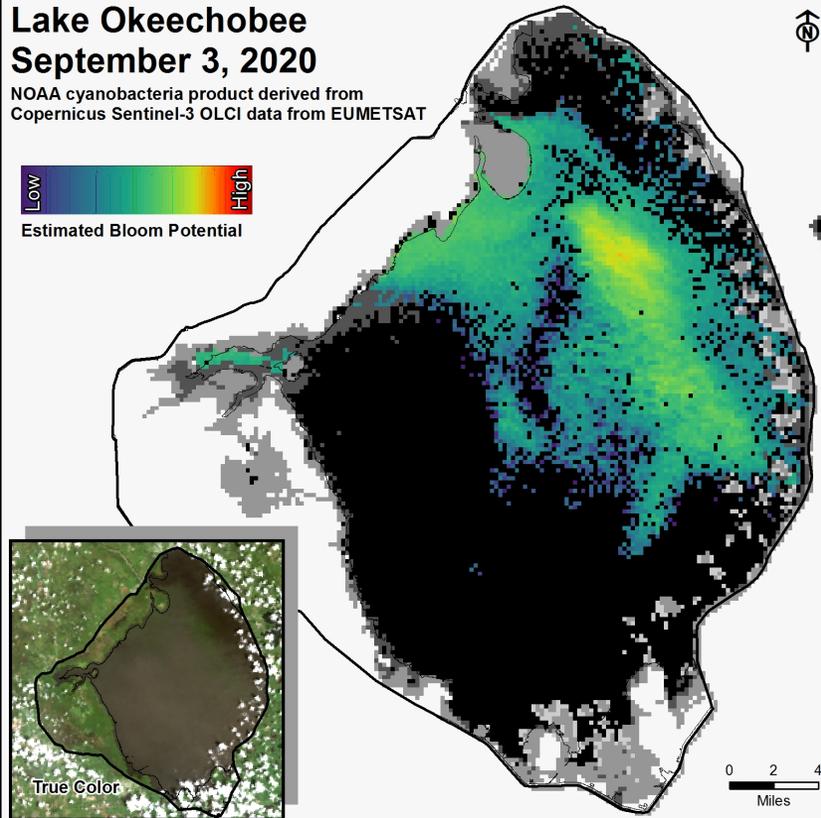
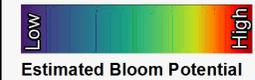
5353

5354

5355

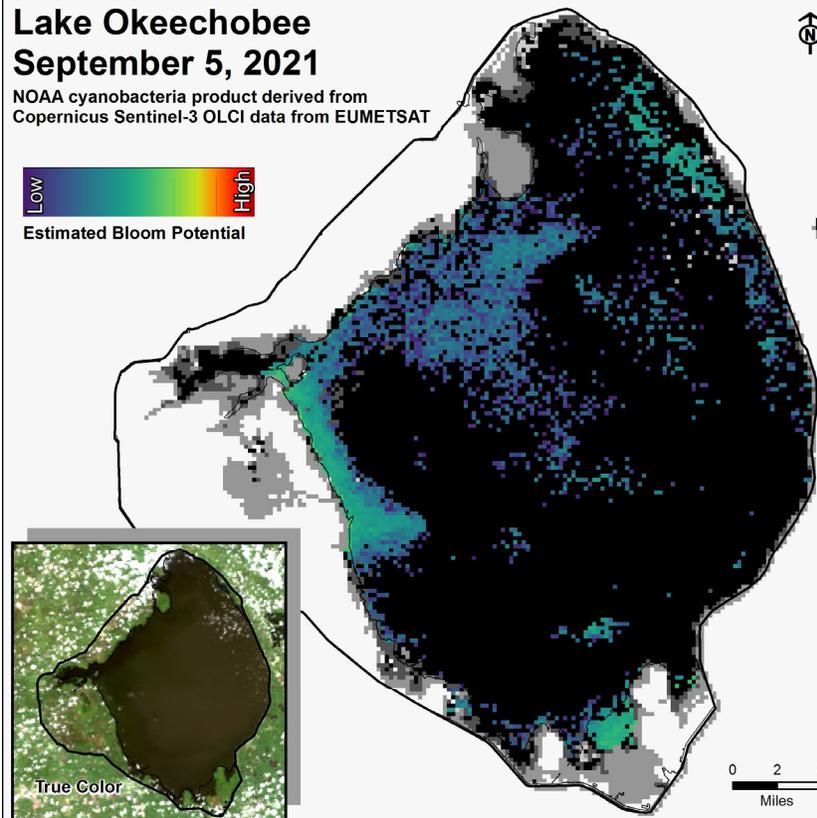
Lake Okeechobee
September 3, 2020

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



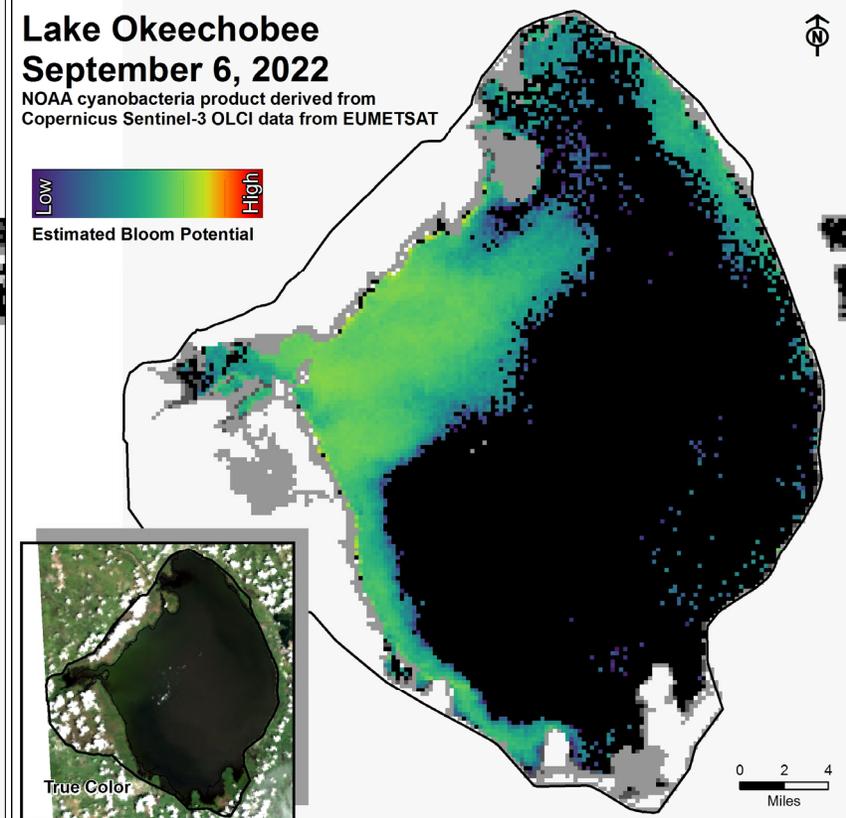
Lake Okeechobee
September 5, 2021

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



Lake Okeechobee
September 6, 2022

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



QRDD# | dcredfwub# surgxfw# ghulyhg# urp # rshuq lfxv# 7hqw lqho6 # R FOI# gdw# urp # IXP HWVDW

Lake Okeechobee Recent Water Quality

*** Provisional Data ***

Collection Date: August 15-17, 2022

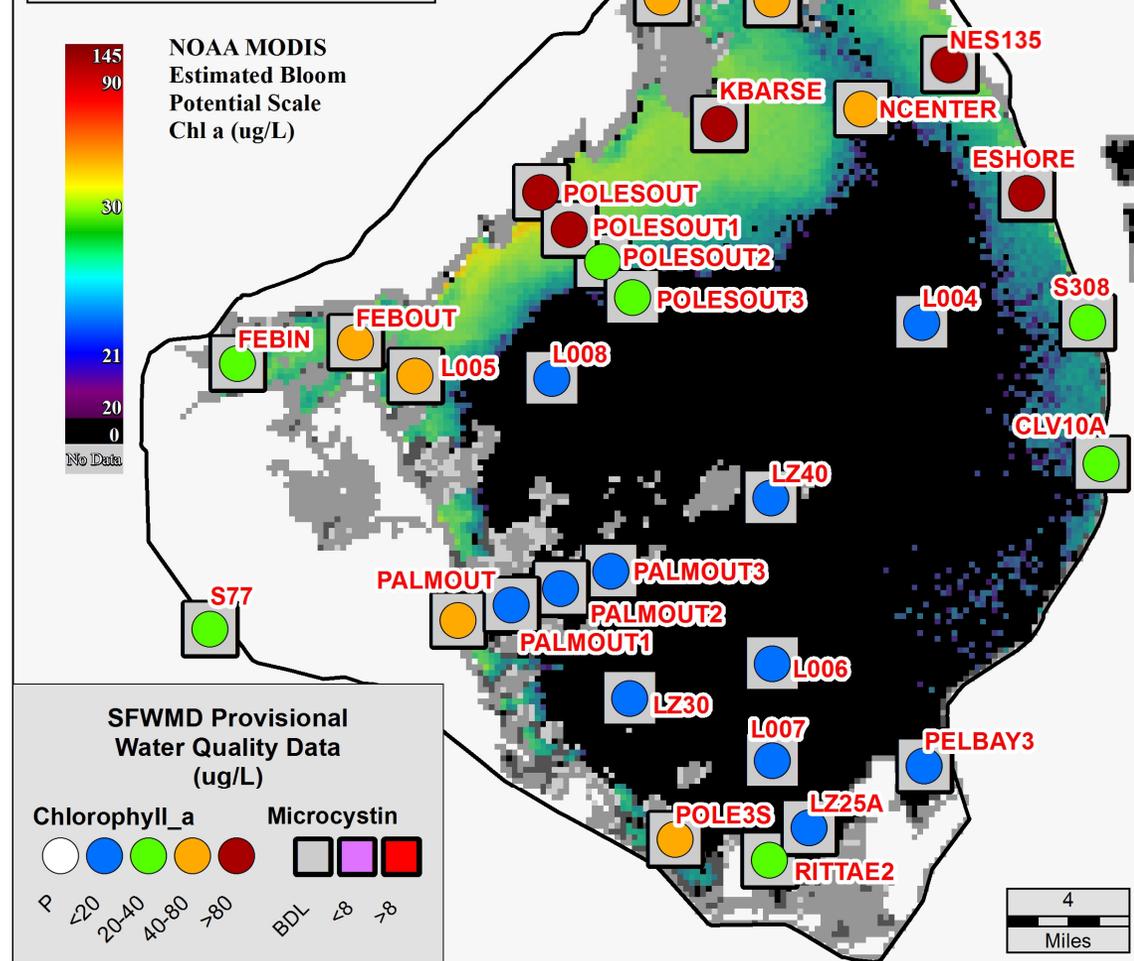
Station	CHL _a (ug/L)	TOXIN (ug/L)	TAXA
FEBIN	34.0	BDL	<i>mixed</i>
FEBOUT	43.0	BDL	<i>mixed</i>
KISSRO.0	41.0	BDL	<i>mixed</i>
L005	41.5	BDL	<i>Microcys</i>
LZ2	47.0	BDL	<i>mixed</i>
KBARSE	127.0	BDL*	<i>mixed</i>
RITTAE2	24.8	BDL	<i>mixed</i>
PELBAY3	14.3	BDL	<i>Microcys</i>
POLE3S	49.7	BDL	<i>mixed</i>
LZ25A	17.5	BDL	<i>mixed</i>
PALMOUT	56.6	BDL	<i>Microcys</i>
PALMOUT1	6.4	BDL	<i>mixed</i>
PALMOUT2	4.4	BDL	<i>mixed</i>
PALMOUT3	10.9	BDL	<i>Microcys</i>
POLESOUT	102.0	BDL	<i>Cylin/Dolic</i>
POLESOUT1	99.1	BDL*	<i>mixed</i>
POLESOUT2	39.6	BDL	<i>mixed</i>
POLESOUT3	21.0	BDL	<i>mixed</i>
EASTSHORE	80.1	BDL*	<i>mixed</i>
NES135	122.0	BDL*	<i>Cylindro</i>
NES191	91.2	BDL	<i>Cylindro</i>

Station	CHL _a (ug/L)	TOXIN (ug/L)	TAXA
L001	50.5	BDL	<i>mixed</i>
L004	15.5	BDL	<i>mixed</i>
L006	9.0	BDL	<i>mixed</i>
L007	4.7	BDL	<i>mixed</i>
L008	18.8	BDL	<i>Microcys</i>
LZ30	5.3	BDL	<i>Microcys</i>
LZ40	18.0	BDL	<i>Microcys</i>
CLV10A	34.7	BDL	<i>mixed</i>
NCENTER	41.3	BDL	<i>mixed</i>
collected Aug 22, 2022			
S308C	31.5	BDL	<i>mixed</i>
S77	36.6	BDL	<i>Microcys</i>

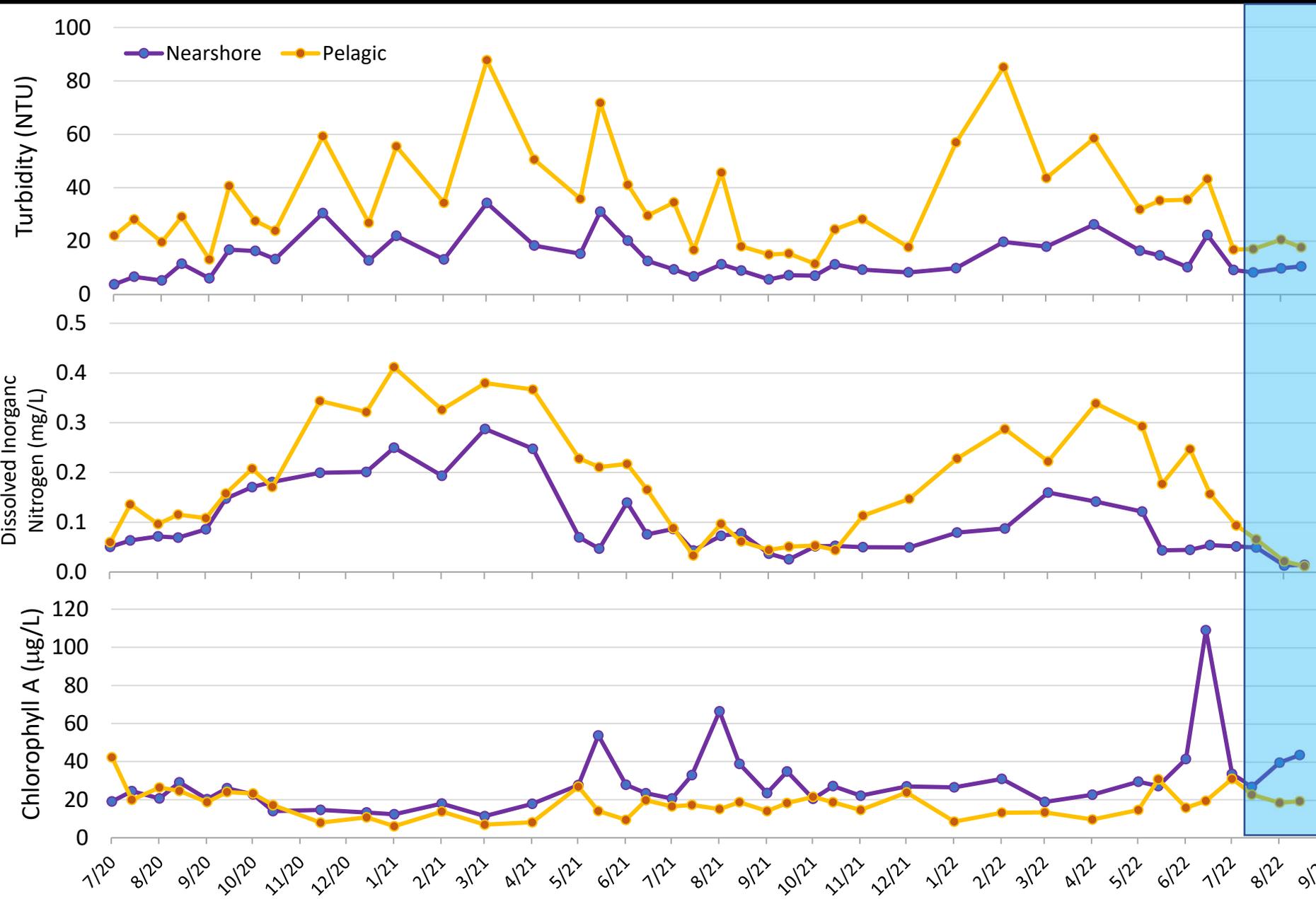
- SFWMD considers >40 µg/L Chlorophyll *a* (Chl_a) an algal bloom
 - BDL – Below Detectable Limit of 0.25 µg/L
 - mixed – No Dominant taxa
 - P – Pending
 - NS – Not Sampled
 - Station bold font – crew observed possible BGA
 - Chlorophyll *a* analyzed by SFWMD
 - Toxin and Taxa analyzed by FDEP:
- Microcys*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

Presenter: Lawrence Glenn

Lake Okeechobee Water Quality August 16, 2022



SOUTH FLORIDA WATER MANAGEMENT

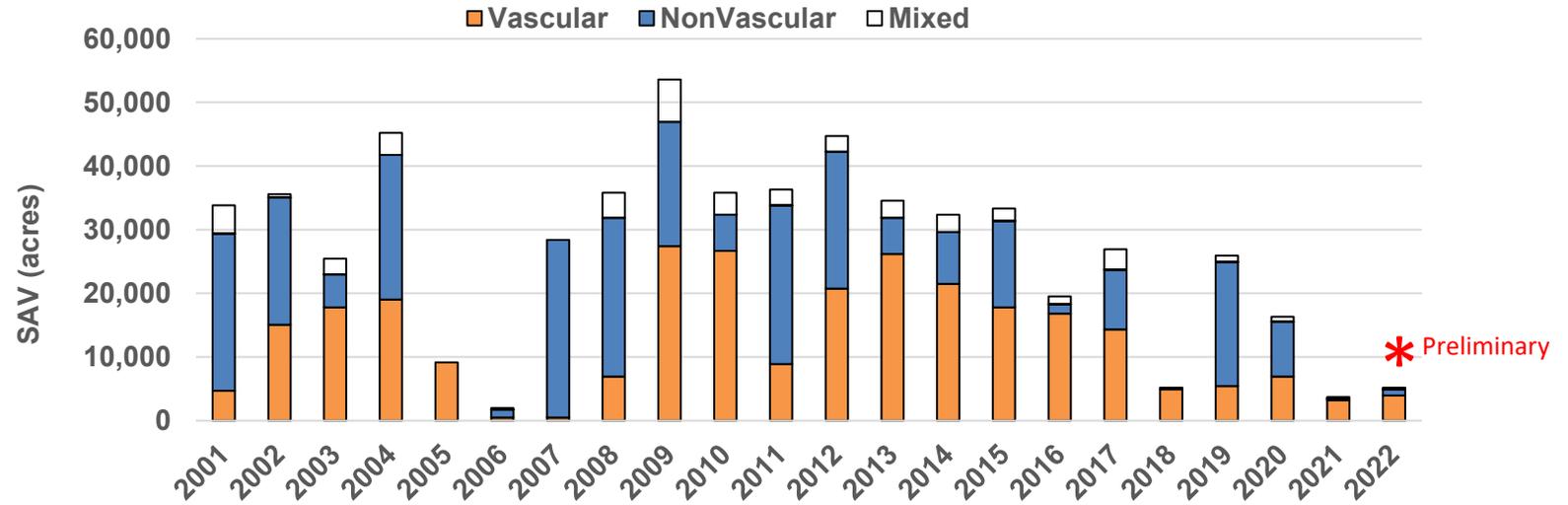
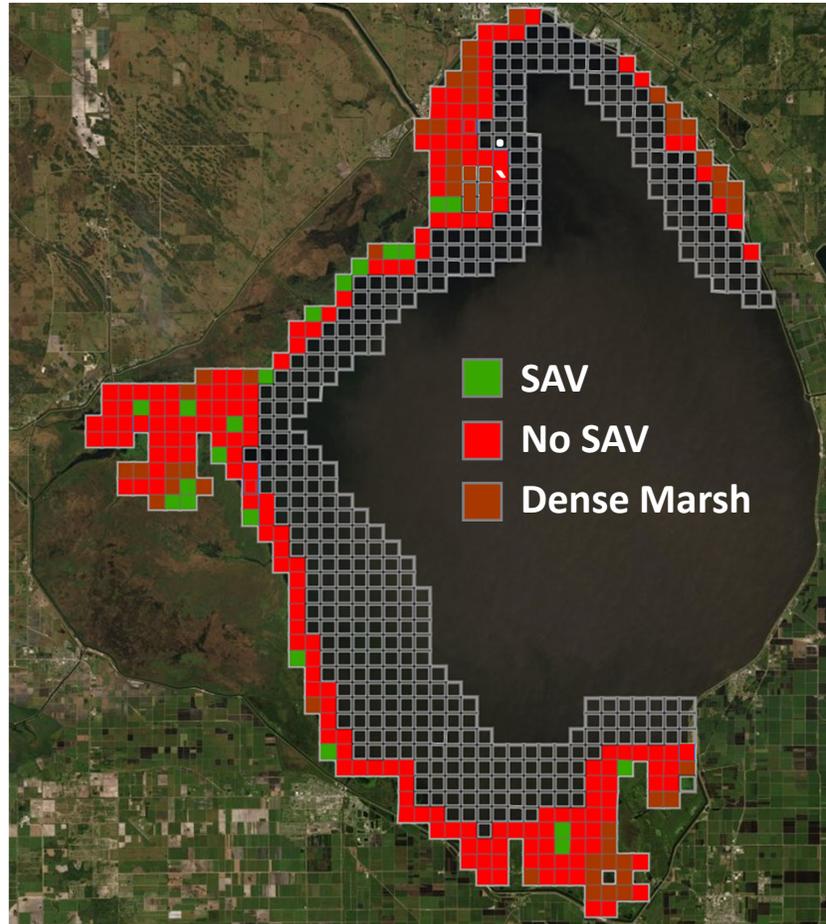


August	Year	Turbidity	DIN	Chl-A
Nearshore	2018	13.5	0.078	18.9
	2019	5.0	0.032	19.2
	2020	8.4	0.070	24.9
	2021	10.1	0.075	52.6
	2022	10.2	0.014	41.9
Pelagic	2018	24.7	0.038	19.2
	2019	18.5	0.081	16.7
	2020	24.4	0.106	25.5
	2021	31.8	0.079	16.9
	2022	19.0	0.019	19.2

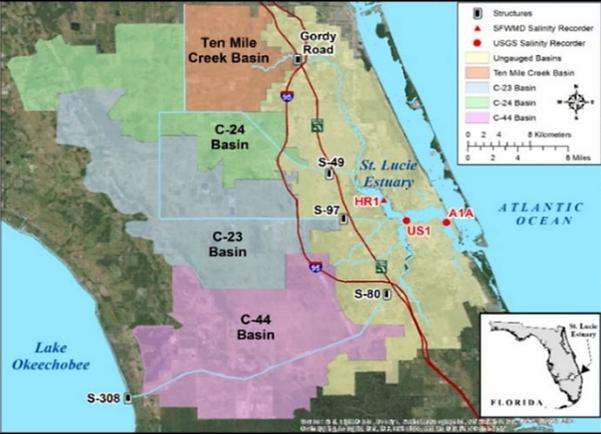
**Recent
Water
Quality
*Provisional Data***

Lake Okeechobee Submerged Aquatic Vegetation

SAV Coverage 2022 (Preliminary)



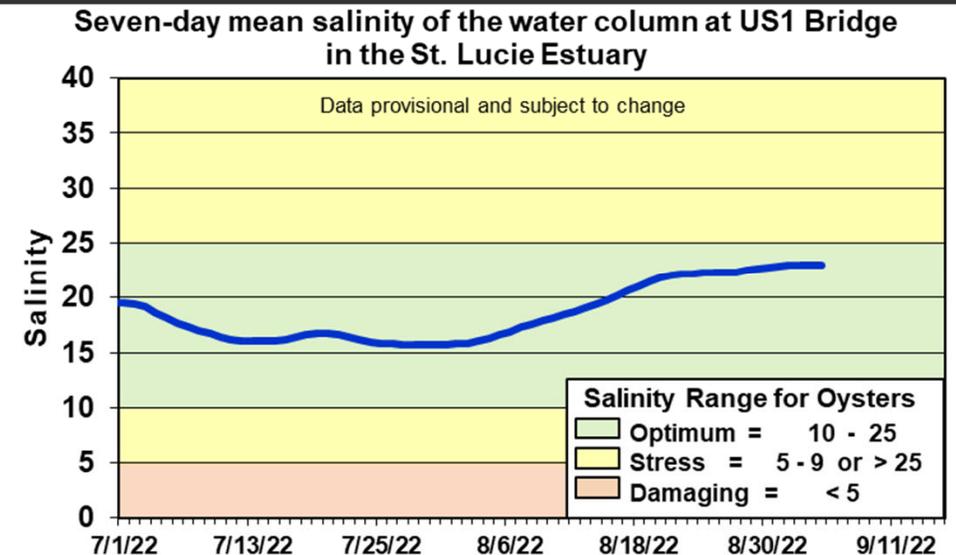
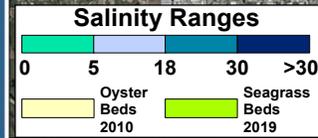
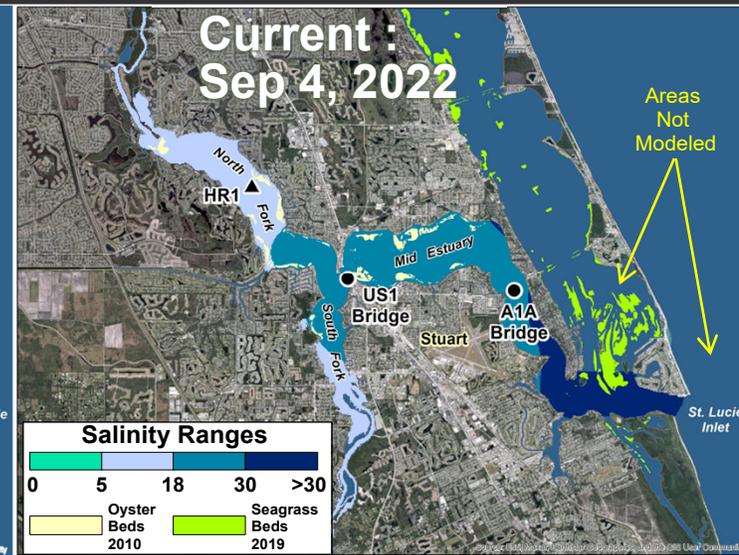
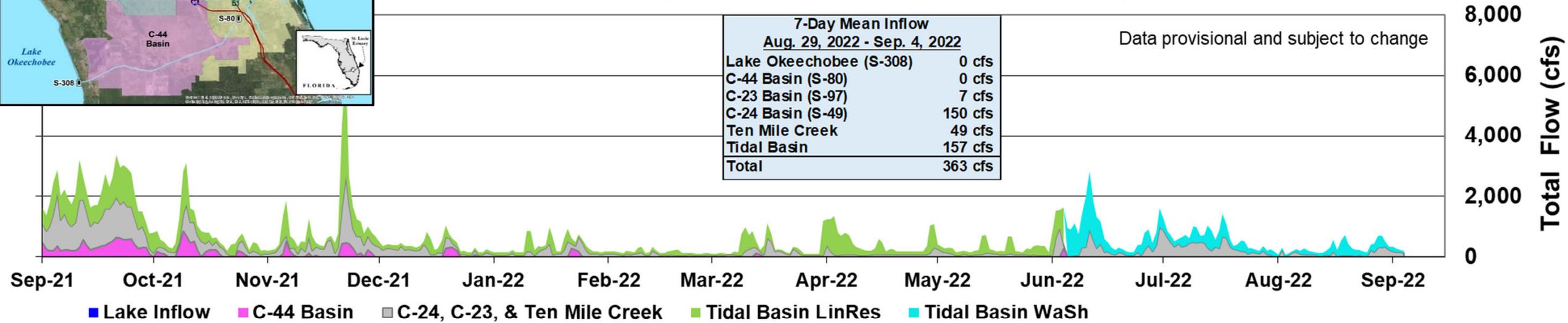
St. Lucie Inflows and Salinity Conditions



Total Daily Inflow into the St. Lucie Estuary

7-Day Mean Inflow Aug. 29, 2022 - Sep. 4, 2022	
Lake Okeechobee (S-308)	0 cfs
C-44 Basin (S-80)	0 cfs
C-23 Basin (S-97)	7 cfs
C-24 Basin (S-49)	150 cfs
Ten Mile Creek	49 cfs
Tidal Basin	157 cfs
Total	363 cfs

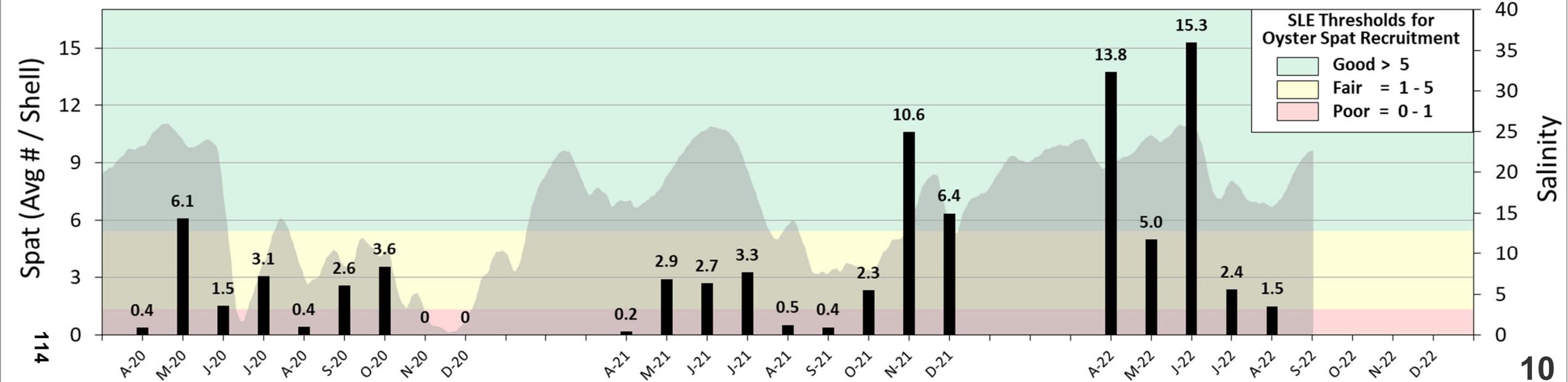
Data provisional and subject to change



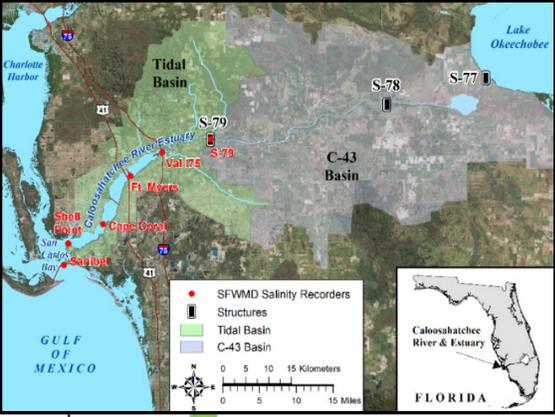
St. Lucie Estuary – Oyster Recruitment



2020 - 2022 Rio Oyster Recruitment and 14-Day Mean Salinity at US1 Bridge



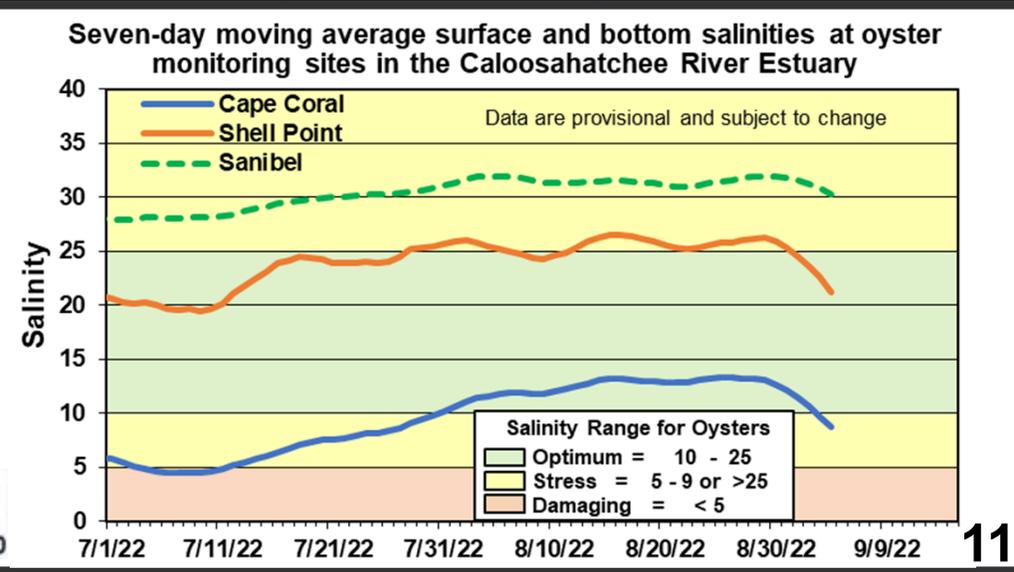
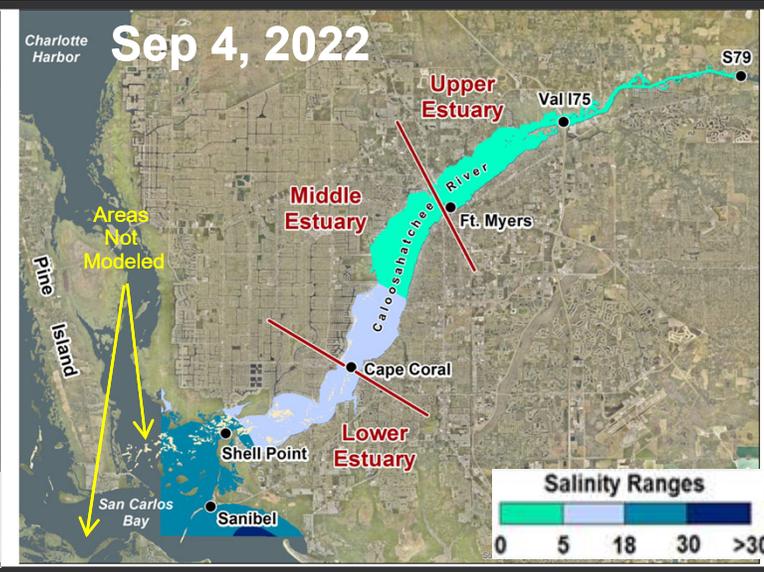
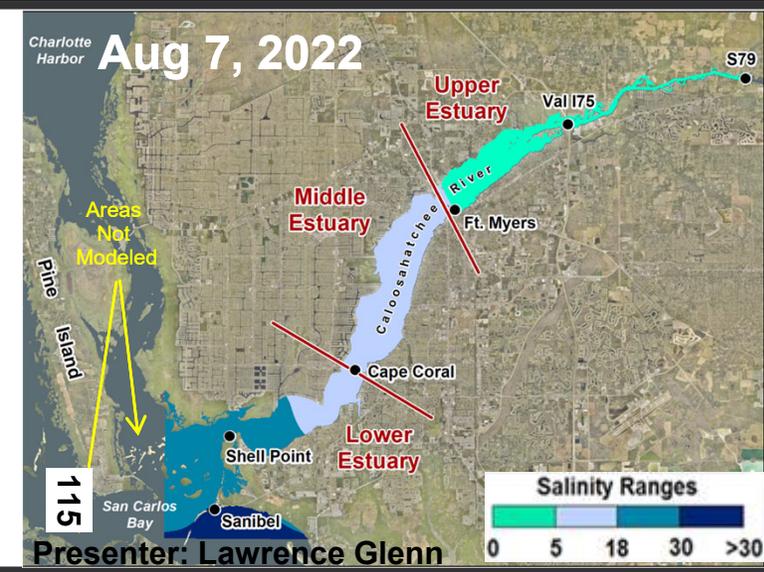
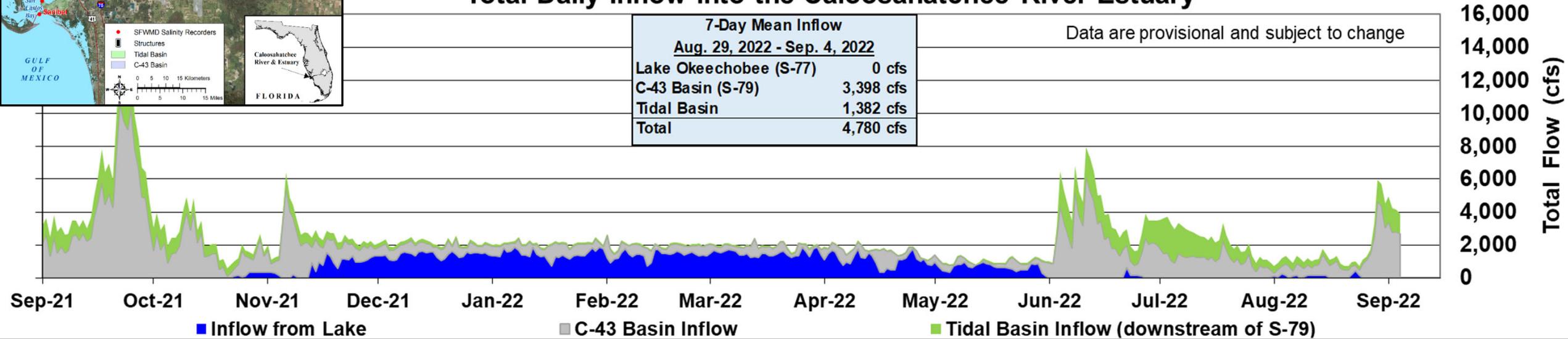
Caloosahatchee Inflows and Salinity Conditions



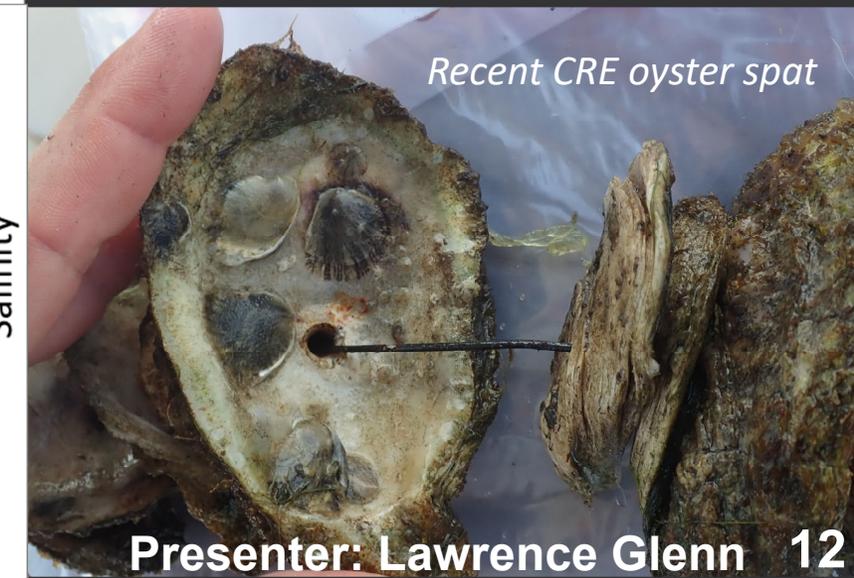
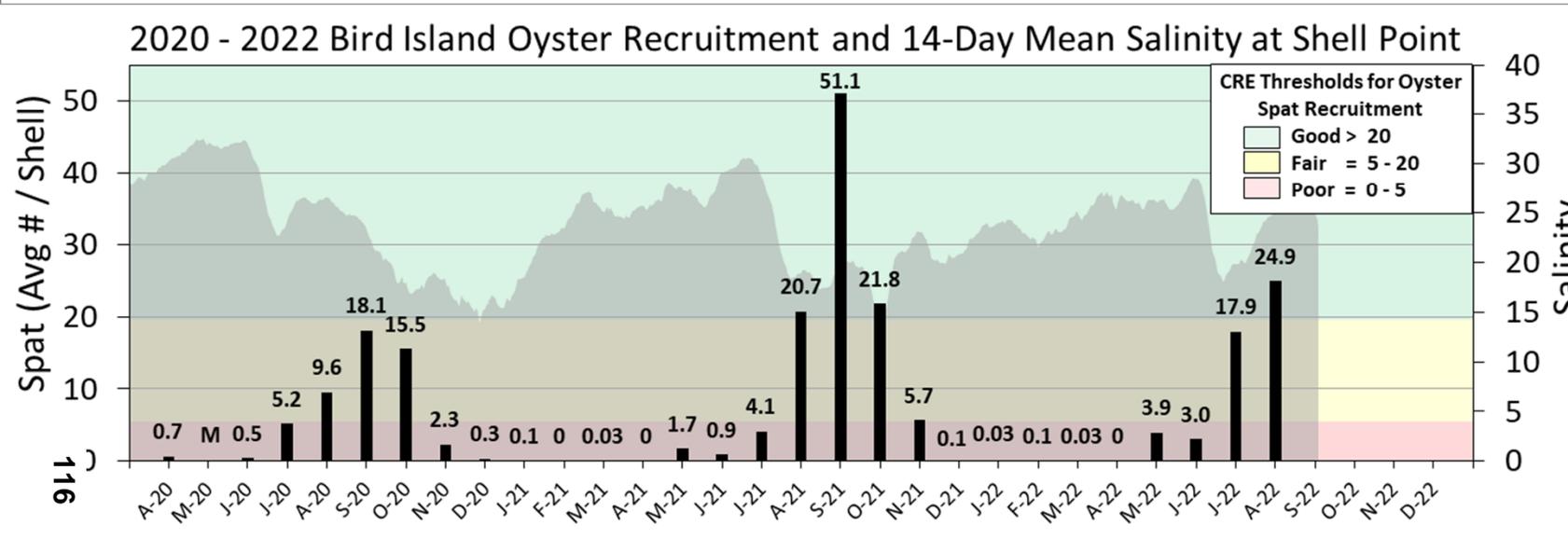
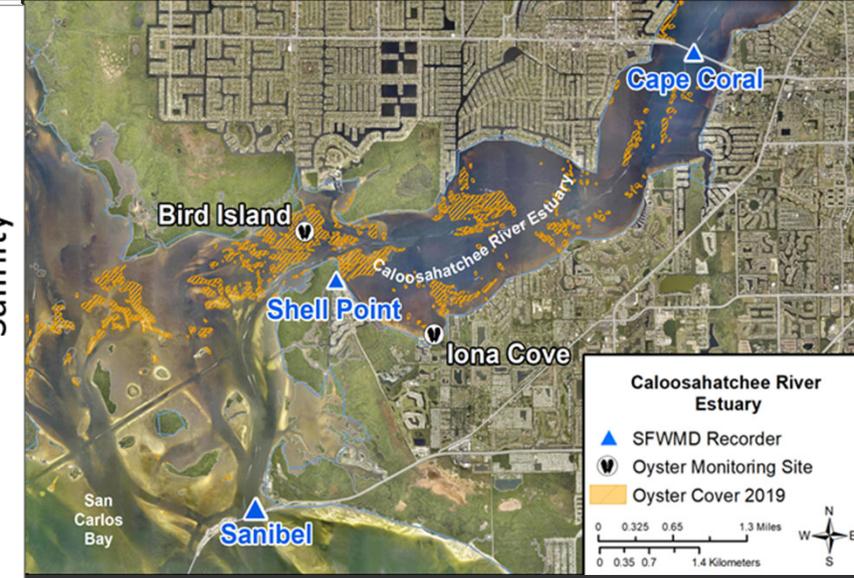
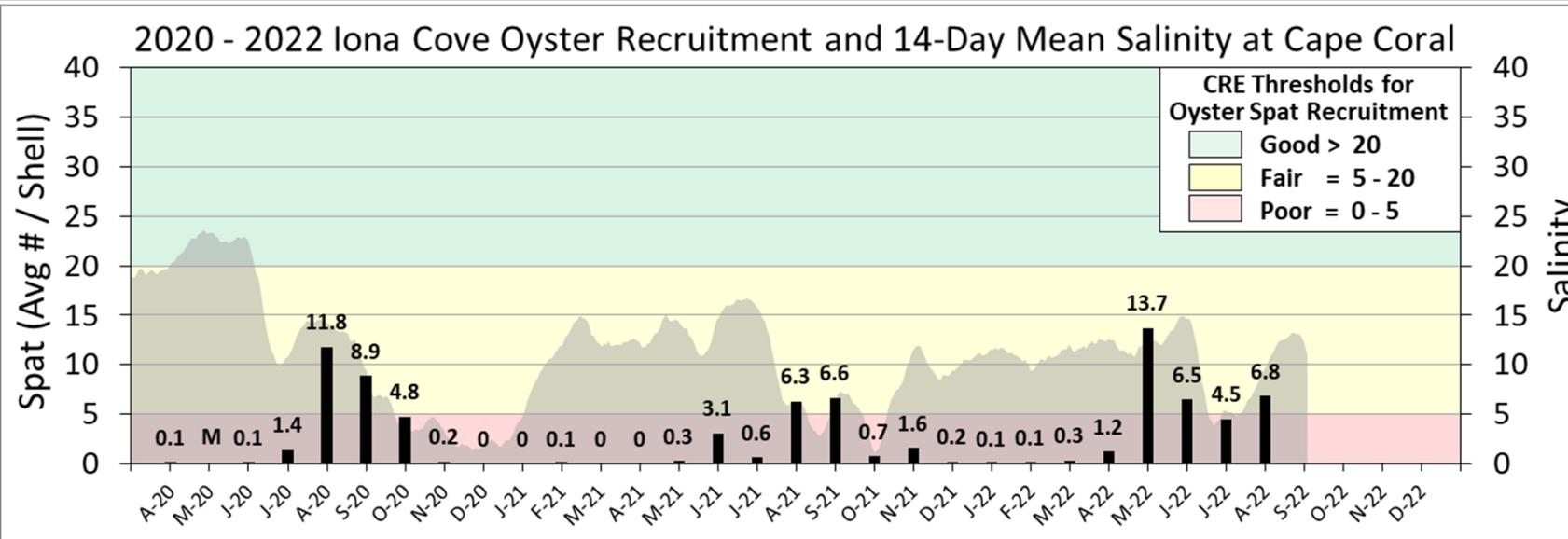
Total Daily Inflow into the Caloosahatchee River Estuary

7-Day Mean Inflow Aug. 29, 2022 - Sep. 4, 2022	
Lake Okeechobee (S-77)	0 cfs
C-43 Basin (S-79)	3,398 cfs
Tidal Basin	1,382 cfs
Total	4,780 cfs

Data are provisional and subject to change



Caloosahatchee Estuary – Oyster Recruitment

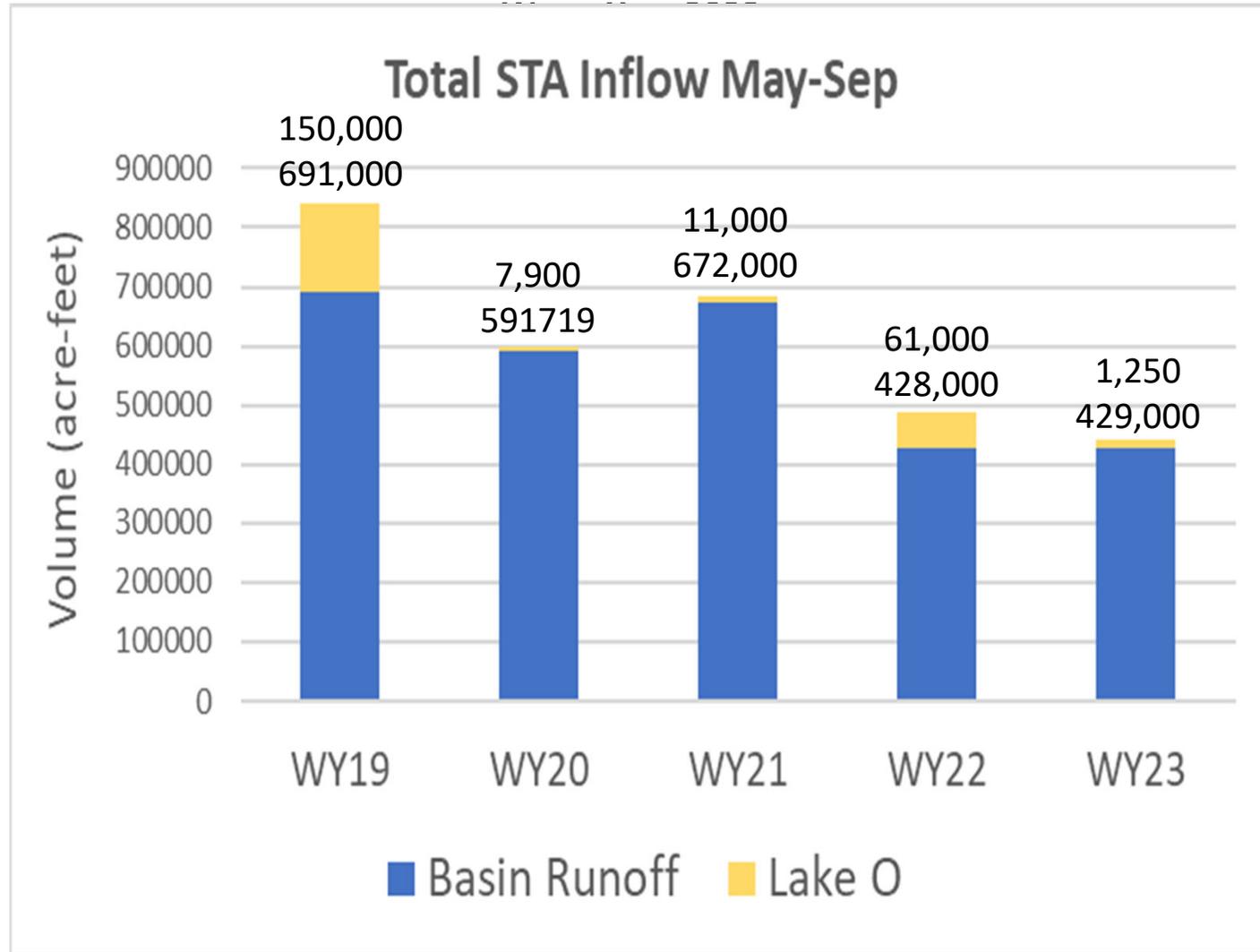


Everglades Stormwater Treatment Areas (STAs)

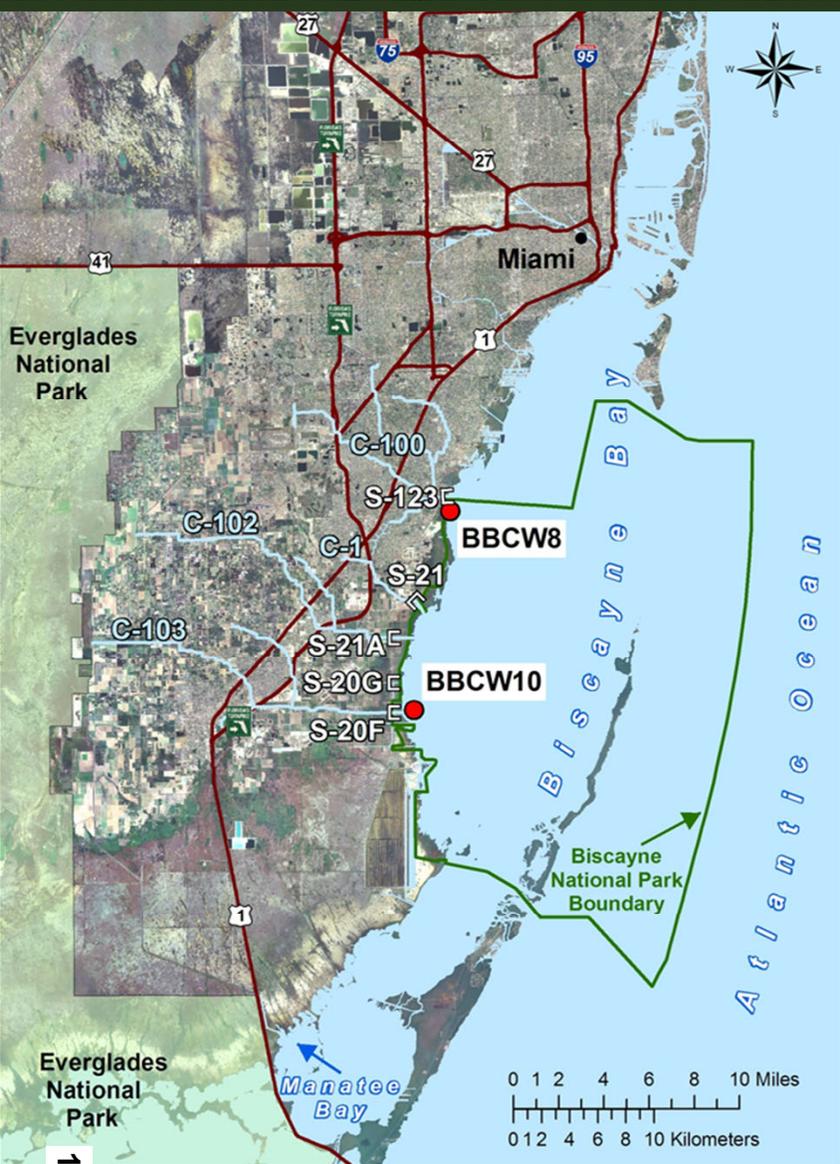
- STAs treated basin runoff in August
 - Total WY2023 inflows to STAs (5/1/2022 to 9/5/2022): ~429,000 ac-ft
 - Lake Okeechobee releases to FEB/STAs in WY2023: ~12,500 ac-ft

- Extensive vegetation management activities underway to address stressed and highly stressed vegetation especially in EAV cells

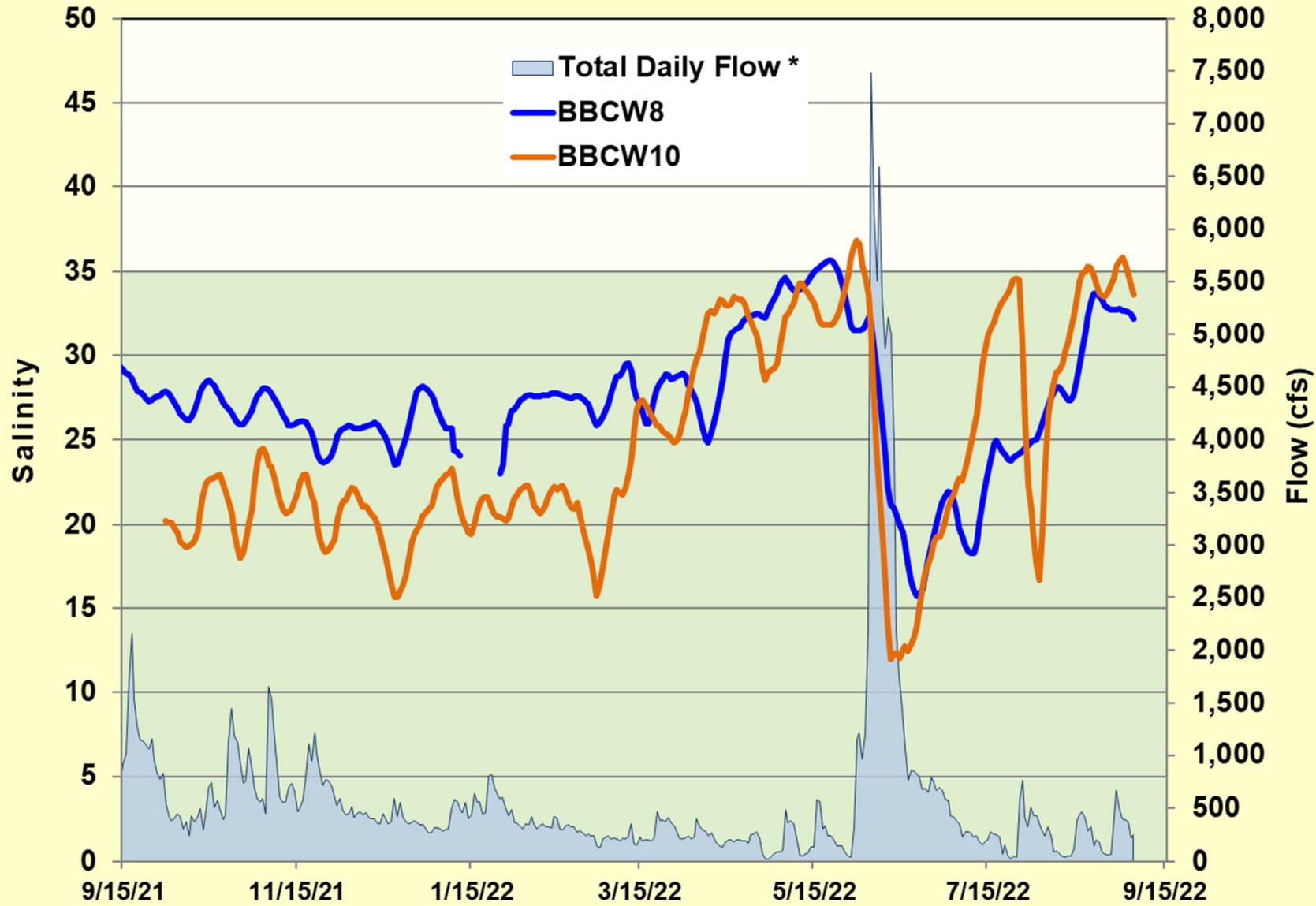
- Most treatment cells are at or below target depth



Biscayne Bay

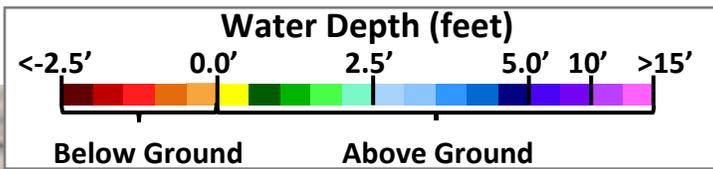
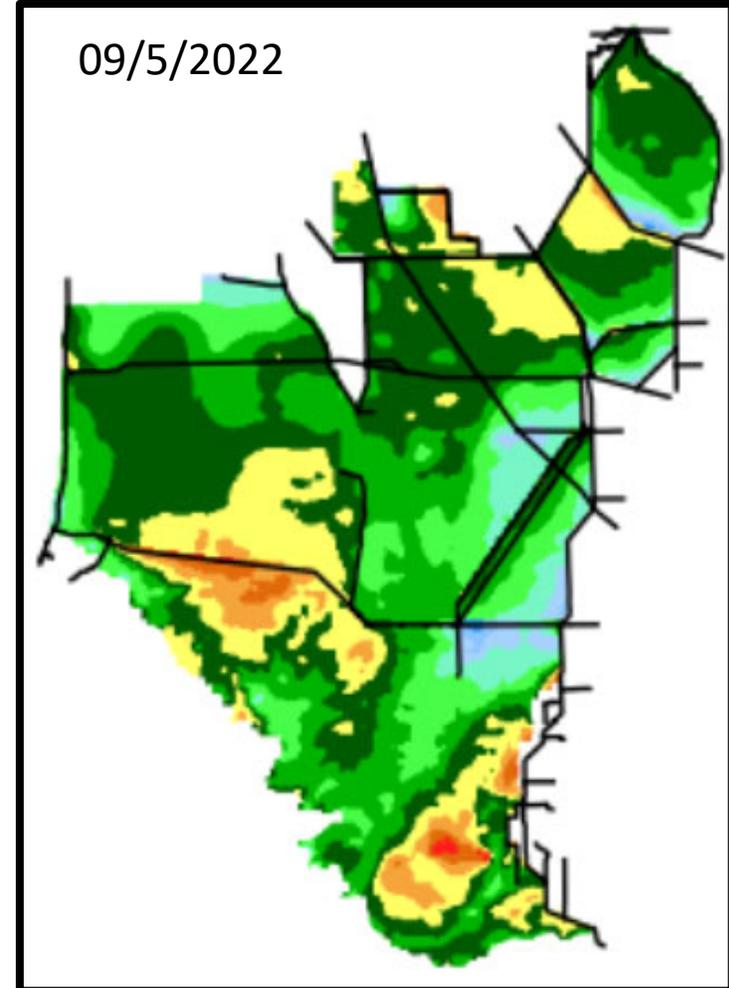
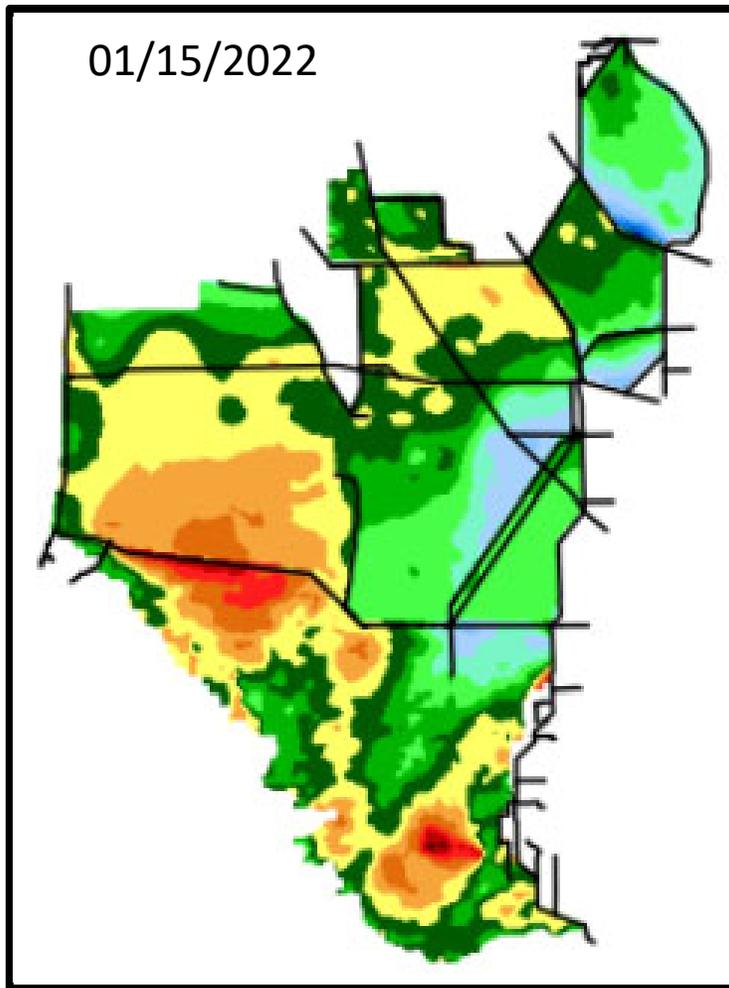
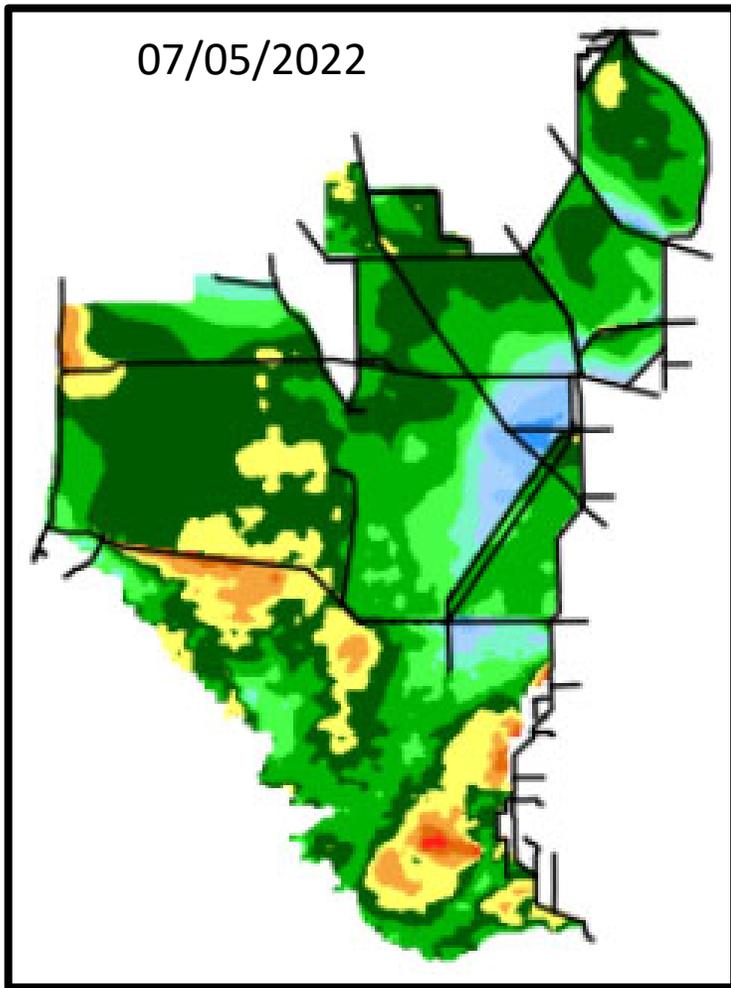


Seven Day Mean Salinity (BBCW8 & BBCW10) & Total Daily Flow



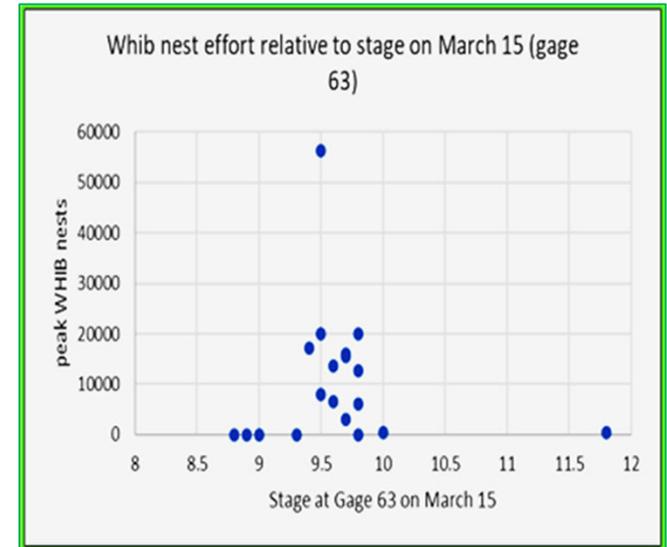
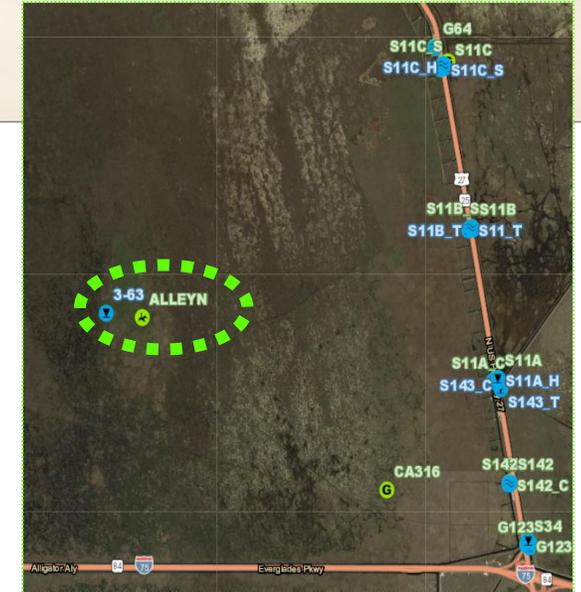
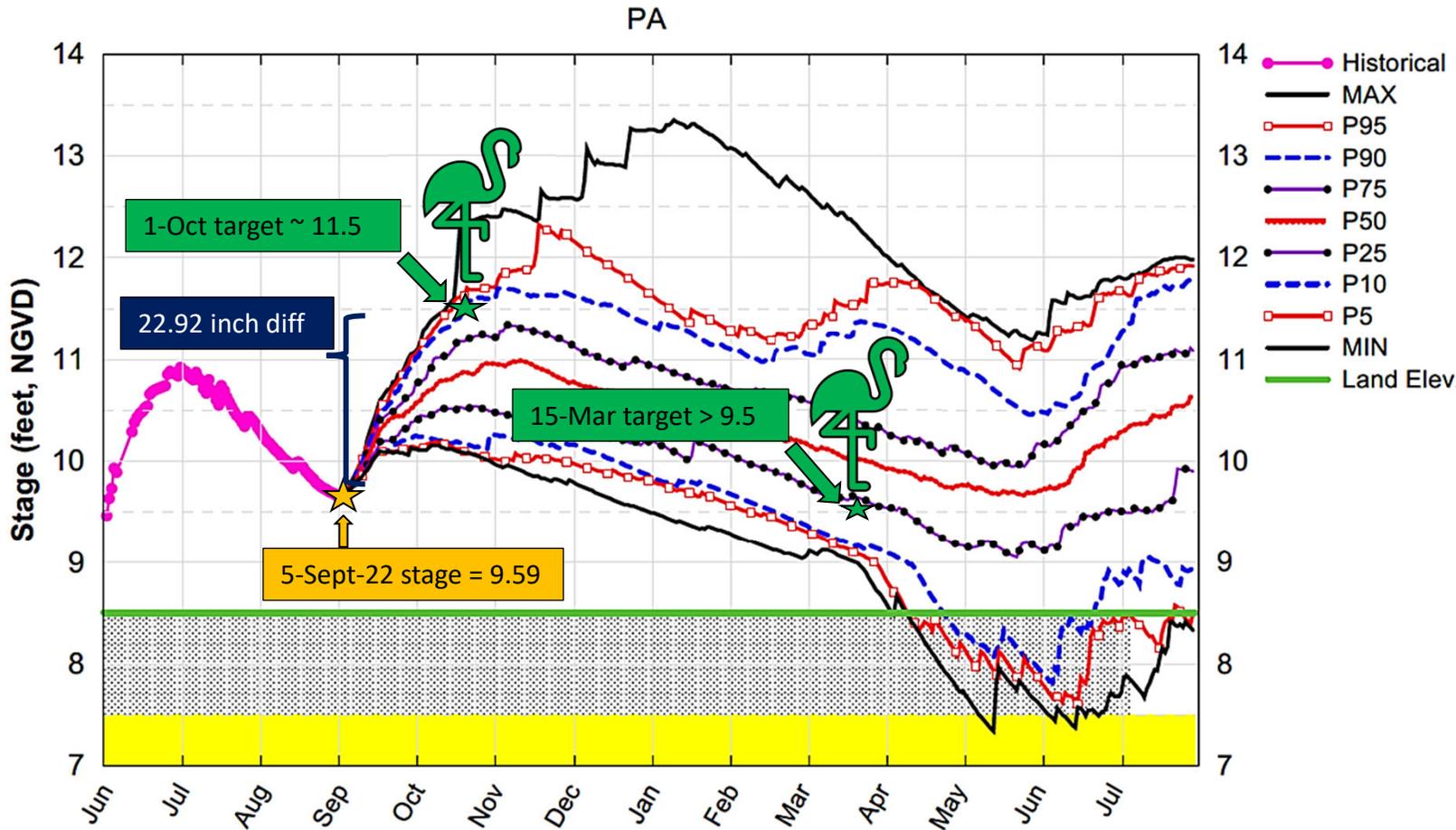
* Total flow from S20G, S20F, S21, S21A, S123, S700P

Everglades Water Depth Maps



WCA-3A Northeast

3A-3 Gage SFWMM September 2022 Position Analysis



Everglades Soil Types and Thickness

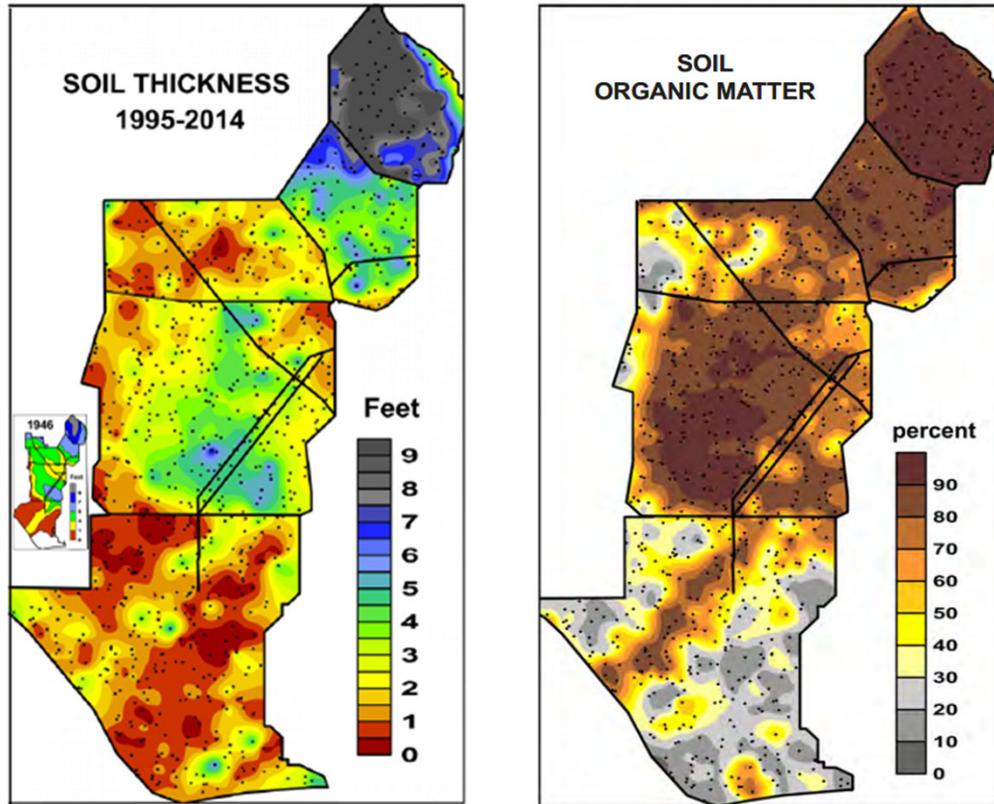
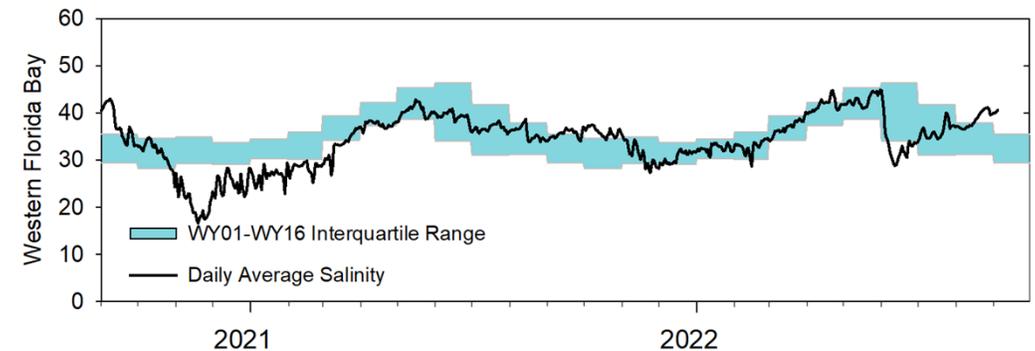
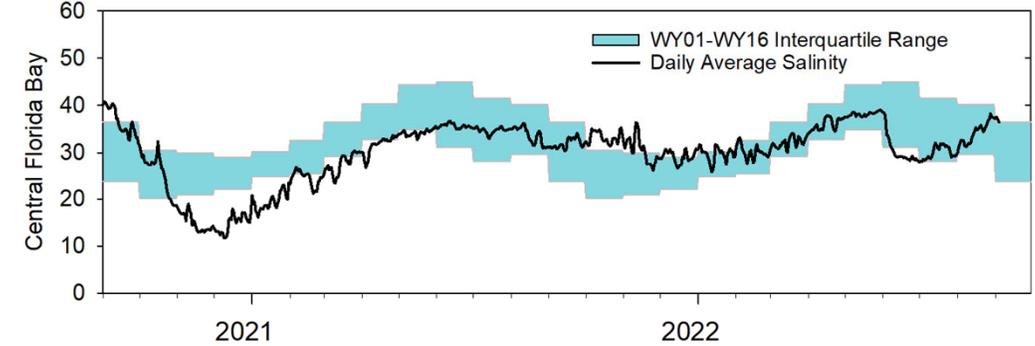
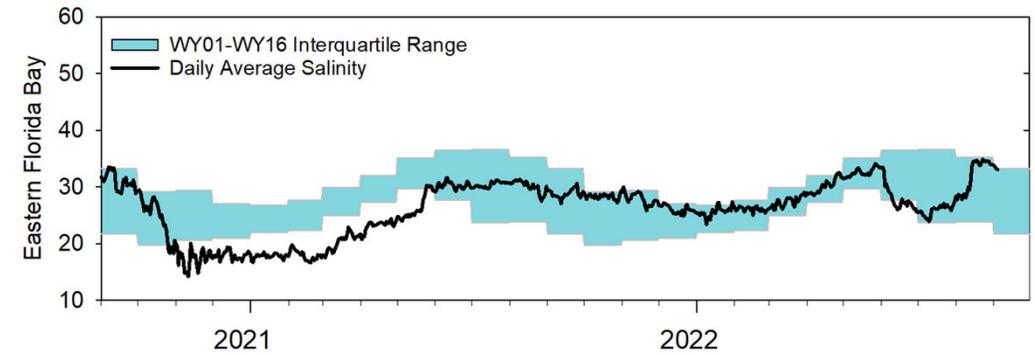
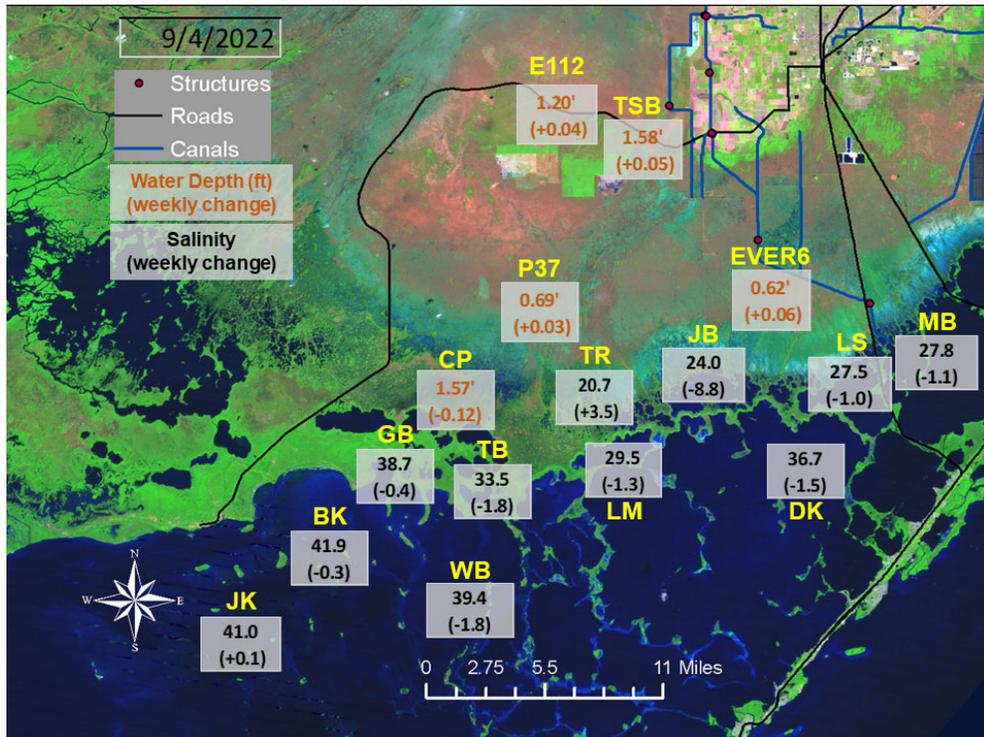


Figure 53. Soil thickness at 976 locations measured by REMAP for all sampling events from 1995 to 2014. The inset shows soil thickness as reported in 1946 (Davis).

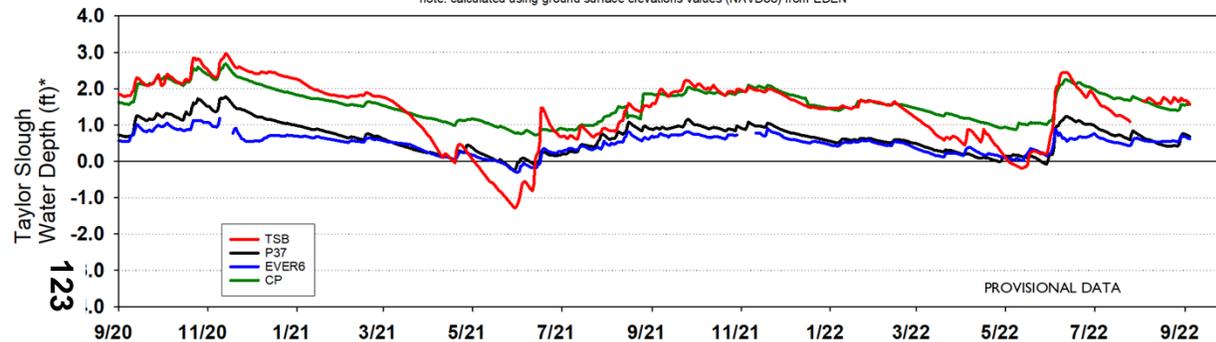
- WCA1 – Peat soils: Deepest in the system
- WCA2 – Peat Soils: Historically, would resemble depths in WCA1
 - Loss due to over drainage and increase in minerals/nutrients that increase decomposition
- WCA3 N – Peat Soils: Loss due to over drainage
- WCA3 S – Peat soils: More conserved, but loss due to over drainage
 - Western edge has more mineral-based soils
- ENP – Peat, rocky glades, marl prairies

Taylor Slough Stages and Florida Bay Salinity

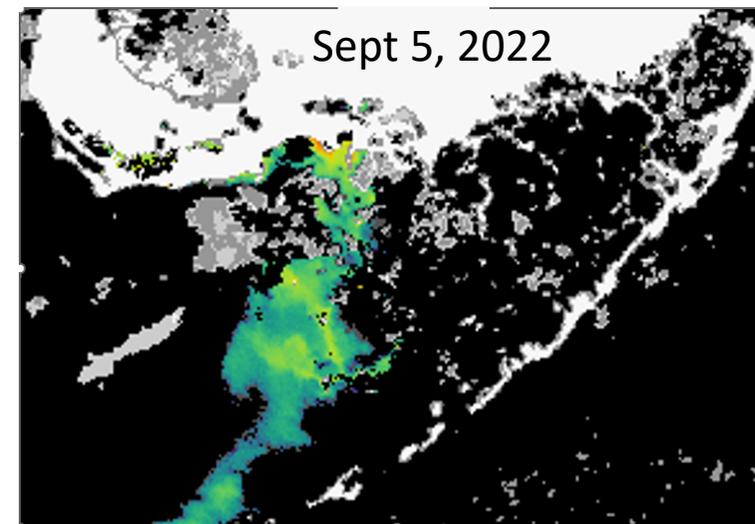
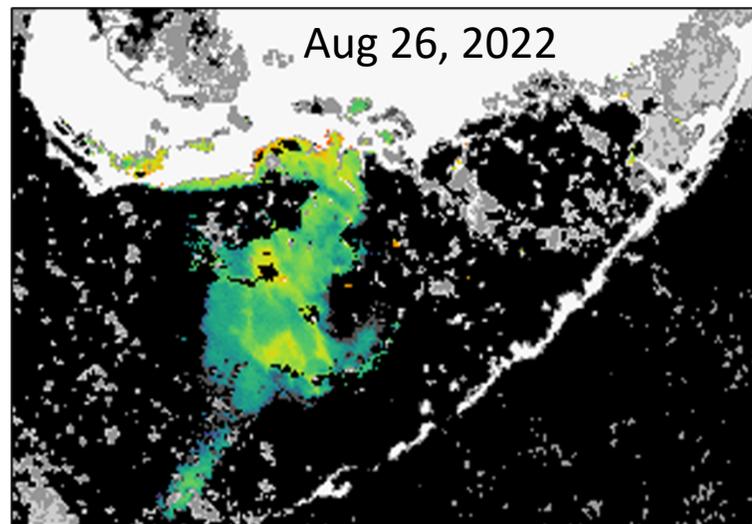
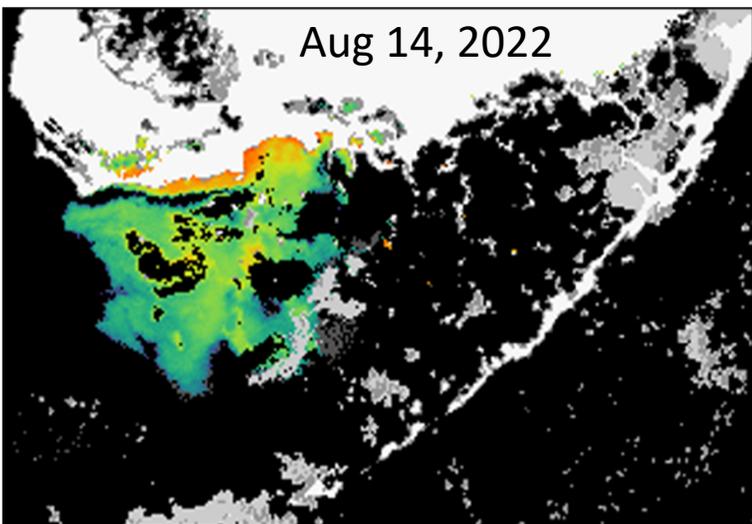
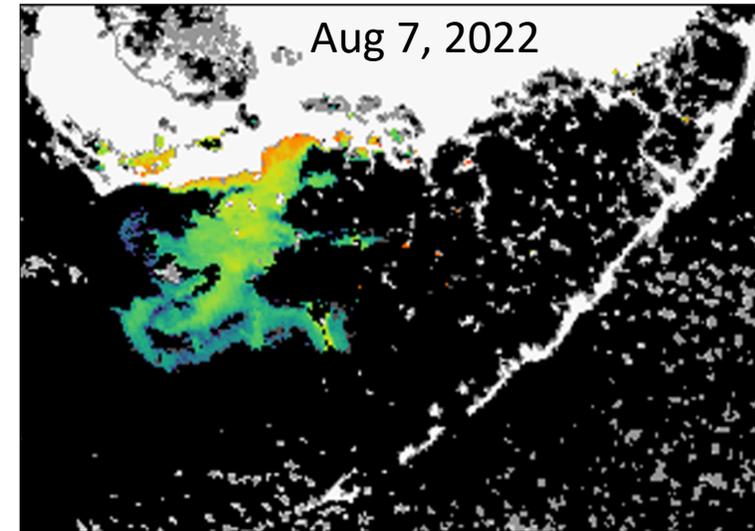
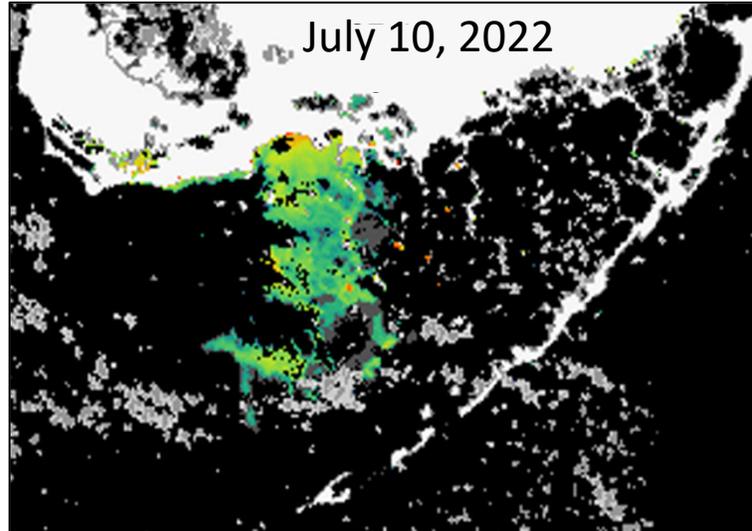
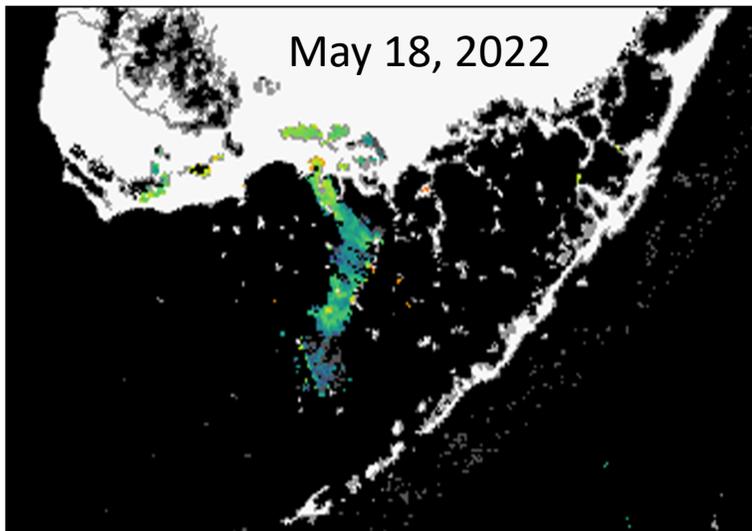


Taylor Slough Water Depths

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



Algal Bloom in Florida Bay



Seagrass Conditions in FL Bay



Halodule
fruit



Syringodium
fruit



Johnson Key Basin

Rabbit Basin



Rabbit Key Basin mixed
Thalassia and *Syringodium*

Figures provided by Bradley Furman, FHAP (May 2022)

Questions



Double-crested Cormorant
Photograph courtesy of SFWMD staff

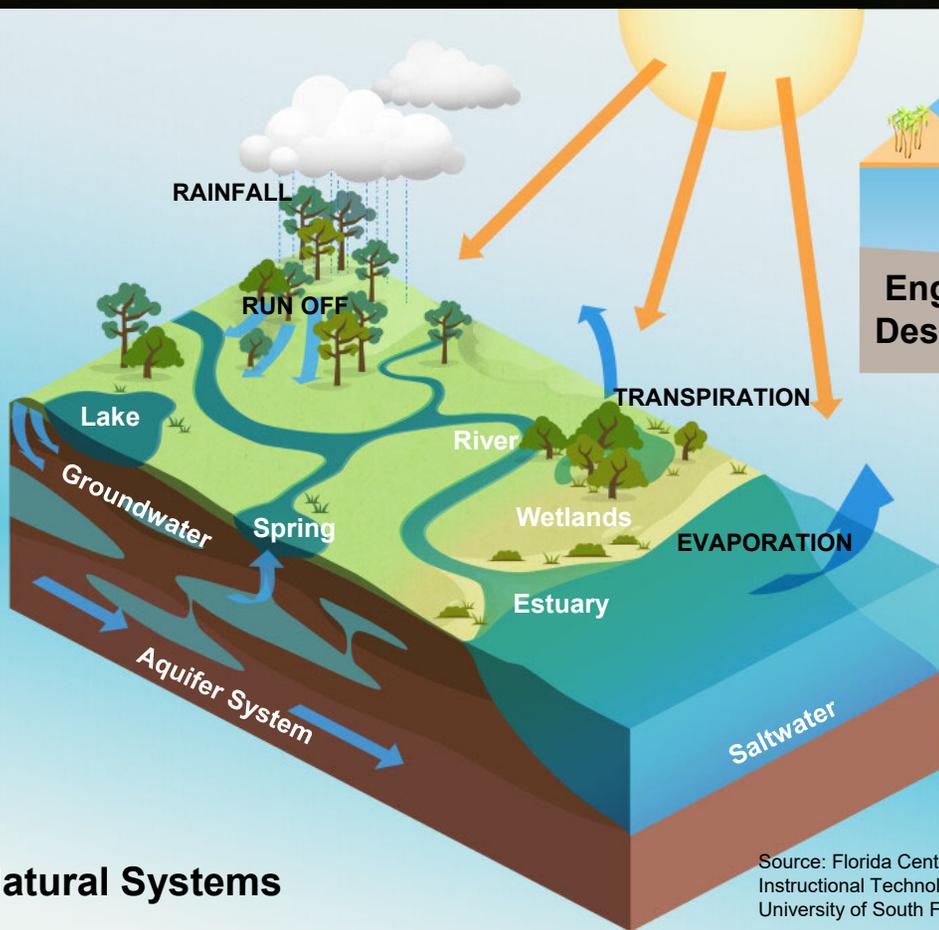


Central and Southern Florida Flood Resiliency Study USACE/SFWMD Feasibility Study Cost Share Agreement



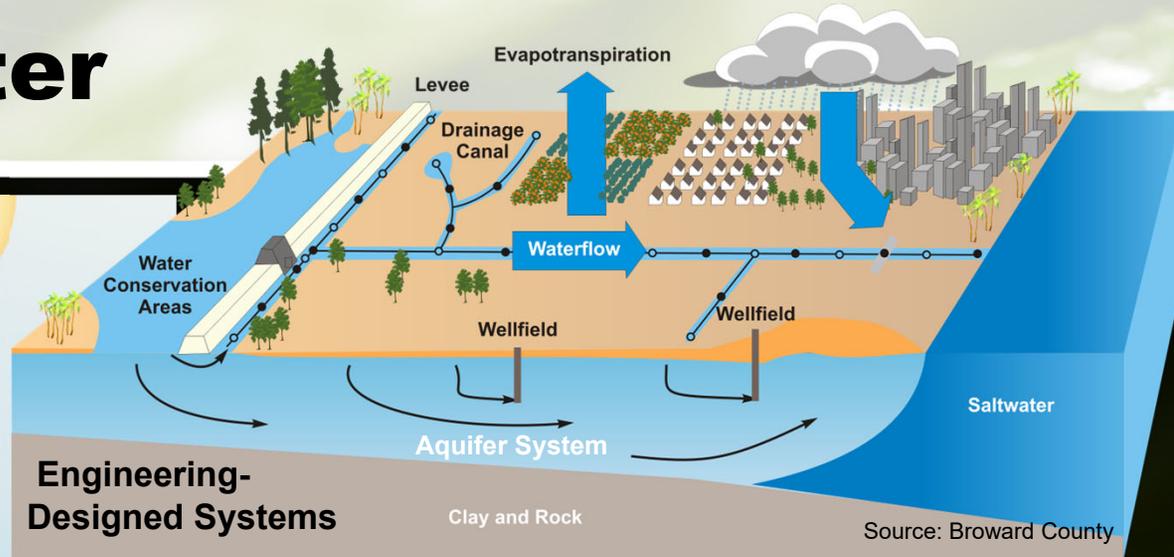
Carolina Maran, P.E., Ph.D., District Resiliency Officer
September 8, 2022

Managing Water



Natural Systems

Source: Florida Center for Instructional Technology – University of South Florida



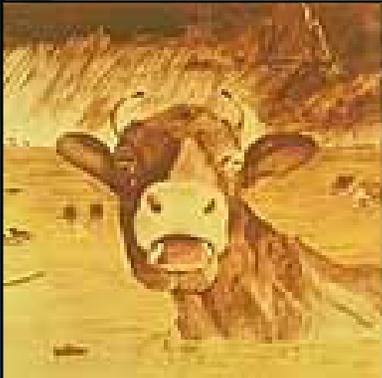
Engineering-Designed Systems

Vdihjxdug#
dgg#hvwruh#
z dwhu#
uhvrxufhv# #
hfrv|wbp v

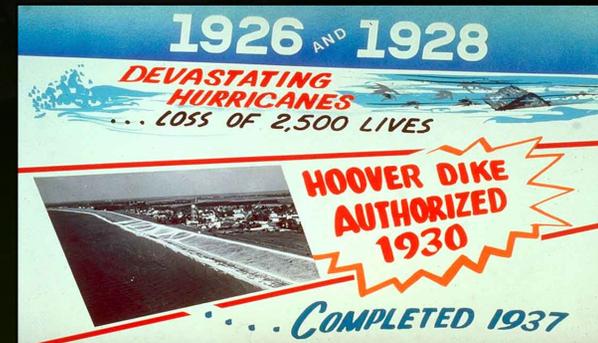
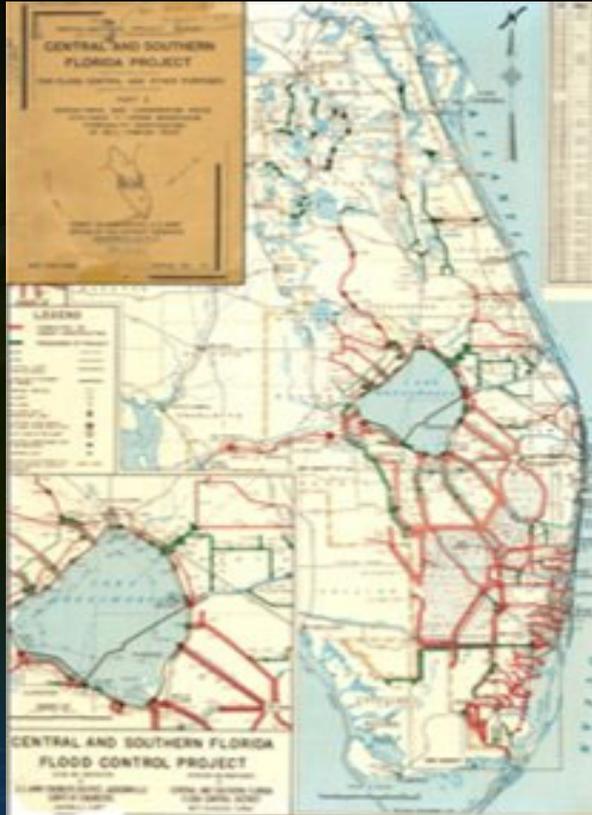
P hhw#k h#
uhjlrq*v#
z dwhu#
qhhgv#

Surwhfw#rxu#
frp p xqlwhv
iurp #
iarqglj

Central & Southern Florida Project



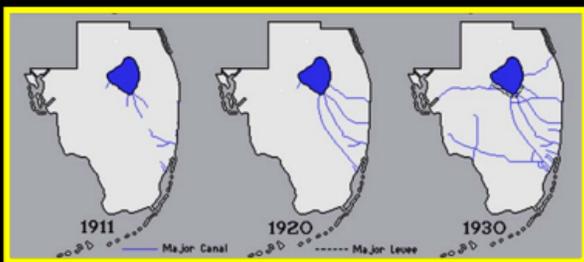
STUDY AND REPORT
ON
FLOOD DAMAGE
FLORIDA
EVERGLADES
DRAINAGE
DISTRICT
1927



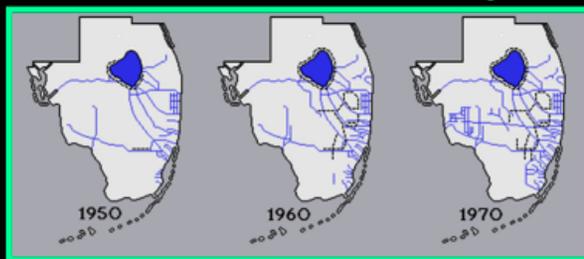
Recognizing Changed Conditions

70+ yrs Water Management System

Pre-1948 Drainage Projects

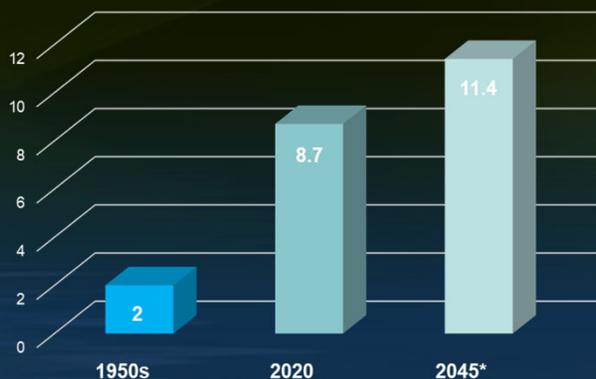


Post-1948 C & S Florida Project



LAND DEVELOPMENT & POPULATION GROWTH

Population (million)



* Estimate taken from BEBR 2017 publication (Median, SFWMD boundaries)

Emerging Trends in Regional Resiliency

<p>Regional Rainfall Changes in rainfall patterns will impact people and ecosystems by altering the amount of water in our region throughout t...</p>	<p>Tidal Elevations at Coastal Structures and Sea Level Rise Flood control and the prevention of saltwater intrusion in South Florida relies heavily on the operation of coastal gravity structures.</p>	<p>Saltwater Intrusion in Coastal Aquifers The inland migration of saltwater poses a threat to water supply and critical freshwater habitats.</p>
<p>Salinity in the Everglades The salinization of previously freshwater systems poses threats to several factors.</p>	<p>Estuarine and Mangrove Inland Migration Trends in Estuarine Inland Migration provide insights to the impacts of sea level rise in coastal areas and the Everglades.</p>	<p>Soil Subsidence in South Florida Maintaining soil elevations within coastal and intertidal habitats, as sea level changes, is an indicator of long-term stability of coastal.</p>

Future Outlook in Regional Resiliency

WebApp

Future Extreme Rainfall Change Factors for Flood Resiliency Planning in South Florida Web Application
This tool provides access to future extreme rainfall change factors for resiliency planning for the 16 counties and 14 rainfall areas within SFWMD boundaries, as well as the Everglades National Park rainfall area, and an additional combined rainfall area for the Florida Keys and Biscayne Bay.

CLIMATE CHANGE

Current Limitations in C&SF Operation

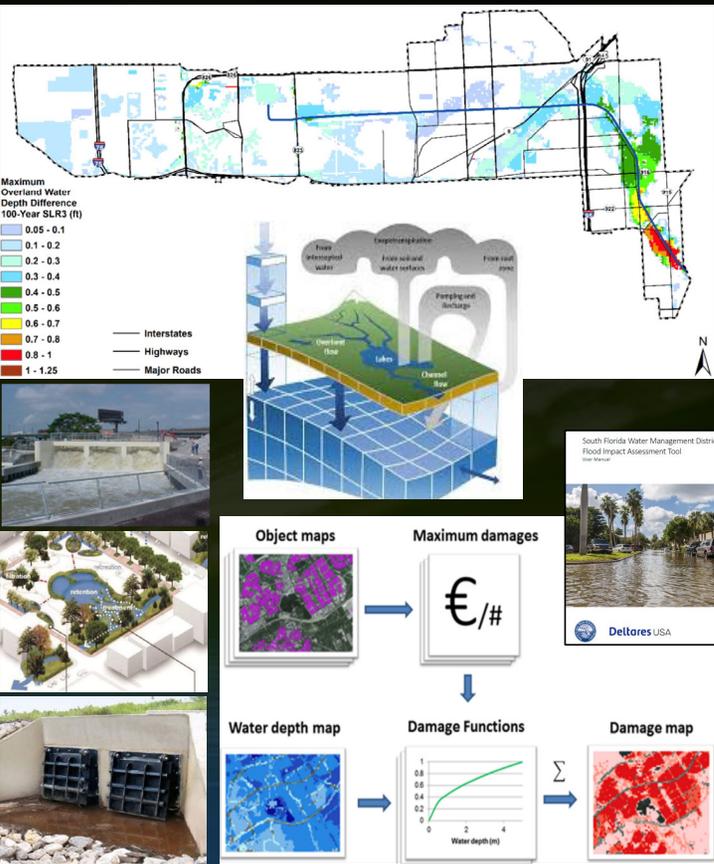
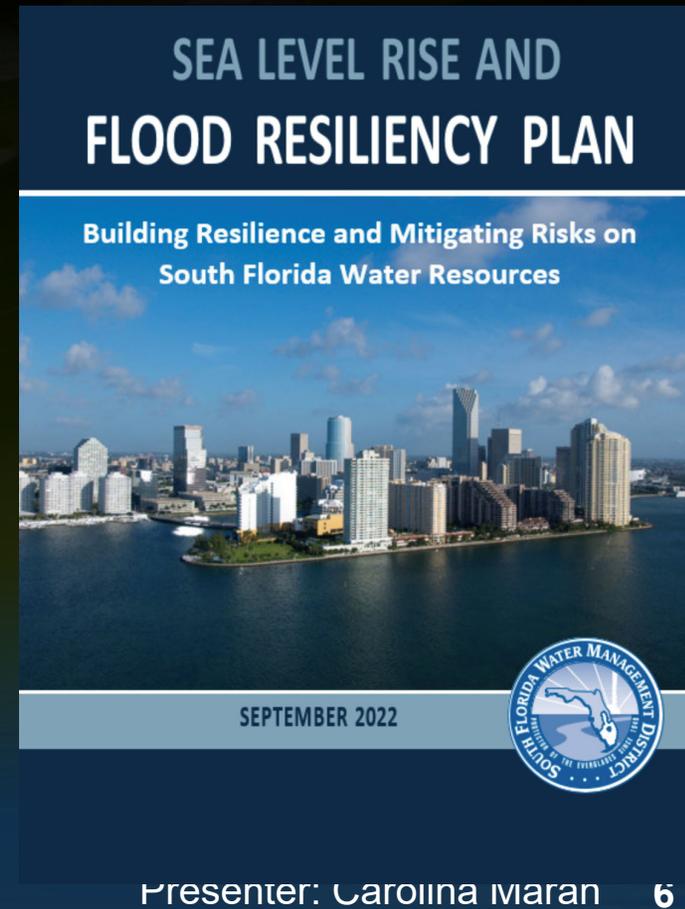
Reduction in Discharge Capacity as a Result of SLR



C&SF System Resiliency

Current Planning Efforts

Reducing the risks of flooding, sea level rise and other climate impacts on water resources and increasing community and ecosystem resiliency in South Florida

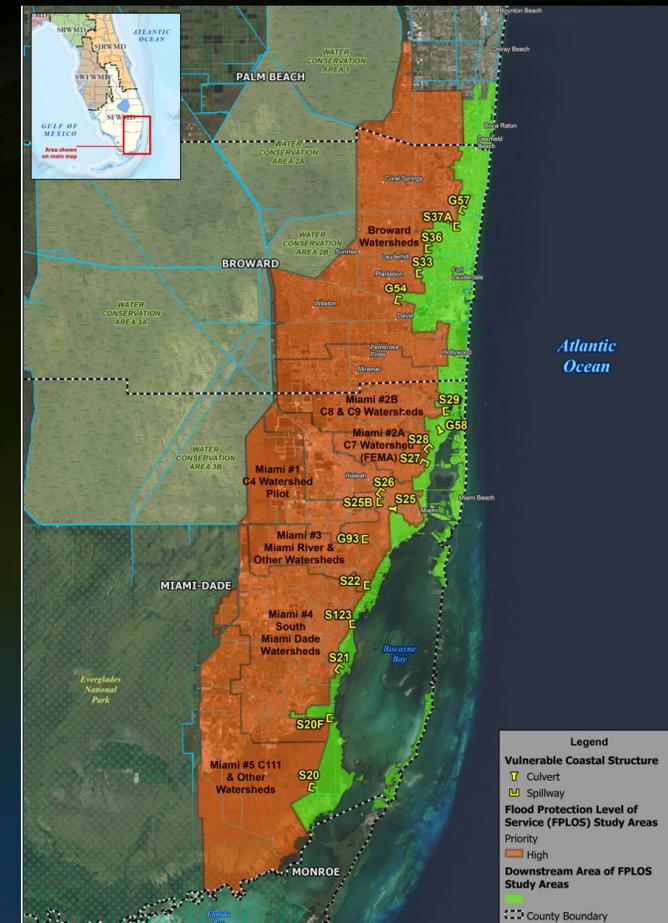


sfwmd.gov MODELS / TOOLS

Presenter: Carolina Maran 6

USACE/SFWMD C&SF Flood Resiliency Study

- Upcoming study to evaluate existing flood risk management infrastructure and **recommend adaptation strategies to build flood resiliency** now and into the future, in the communities served by the C&SF system
- To be conducted under Section 216 of the Flood Control Act of 1970
- Cost Share Agreement between USACE and SFWMD (local sponsor) for a 3x3x3 Study
- Focus on the **highly vulnerable infrastructure** that can reduce the most immediate flood risks due to to changing conditions, and the resilience aspects of such infrastructure



Feasibility Study Cost Share Agreement

- SFWMD agrees to provide 50% cost share for the Study (\$1.5M, in kind work)
- Estimated time for completion: 2022-2025 (3 years)



- Use of the best available science and data in coordination with stakeholders, Federal agencies, State, Tribal and local officials
- Leverage results from:
 - SFWMD FPLOS Program
 - USACE SACS, Back Bay and Other Studies
- Different instrument than CERP Project Partnership Agreements (PPAs)



Planning Charrette Workshops

Save the Dates

Palm Beach and North Broward Counties Planning Charrette Workshop

Date

Wednesday, September 28, 2022

Time

5:00 p.m. - 7:00 p.m.

Location

DoubleTree by Hilton Hotel
Deerfield Beach / Boca Raton

Hibiscus Room
100 Fairway Drive
Deerfield Beach, FL 33441

South Broward and Miami-Dade Counties Planning Charrette Workshop

Date

Thursday, September 29, 2022

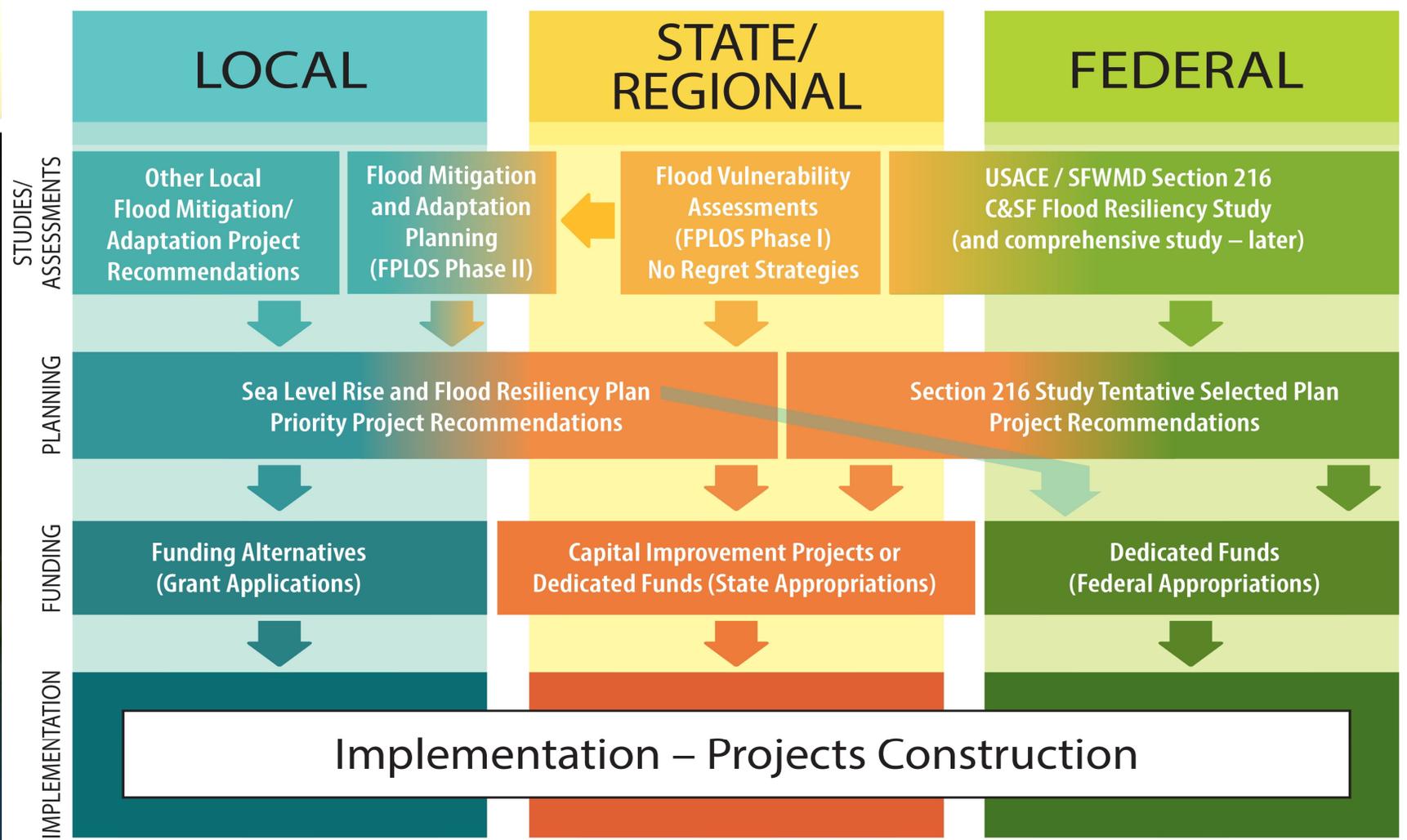
Time

5:00 p.m. - 7:00 p.m.

Location

Florida International University
Biscayne Bay Campus

Wolfe University Center (Room 224A)
3000 NE 151st Street
North Miami, FL 33181



Resolution

A Resolution of the Governing Board of the South Florida Water Management District to support the execution of the Feasibility Study Cost Share Agreement of the Section 216 Central and Southern Florida Flood Risk Management and Resiliency Study, between South Florida Water Management District and the U.S. Department of the Army.

Thanks!

Questions?

Carolina Maran, Ph.D., P.E.,
cmaran@sfwmd.gov
District Resiliency Officer

South Florida Water Management District
www.sfwmd.gov/resiliency

Sunrise over
Lake Okeechobee near
the City of Okeechobee

Lake Okeechobee System Operating Manual



Jennifer Reynolds
Division Director
South Florida Water Management District
Governing Board Workshop
September 8, 2022



LOSOM GOAL AND OBJECTIVES



STUDY GOAL:

Incorporate flexibility in Lake Okeechobee operations while balancing the congressionally-authorized project purposes

1

OBJECTIVE

Manage risk to public health and safety, life, and property.

1A: Dam safety

1B: Algal bloom risk (Lake Okeechobee)

1C: Algal bloom risk (Caloosahatchee Estuary)

1D: Algal bloom risk (St. Lucie Estuary)

2

OBJECTIVE

Continue to meet authorized purposes for navigation, recreation, and flood control.

2A: Navigation

2B: Recreation

2C: Flood Control

3

OBJECTIVE

Improve water supply performance.

3A: Lake Okeechobee Service Area (LOSA)

3B: Seminole Tribe of Florida (STOF)

3C: Lower East Coast Service Area (LECSA)

4

OBJECTIVE

Enhance ecology in Lake Okeechobee, northern estuaries and across the south Florida ecosystem.

4A: Lake Okeechobee

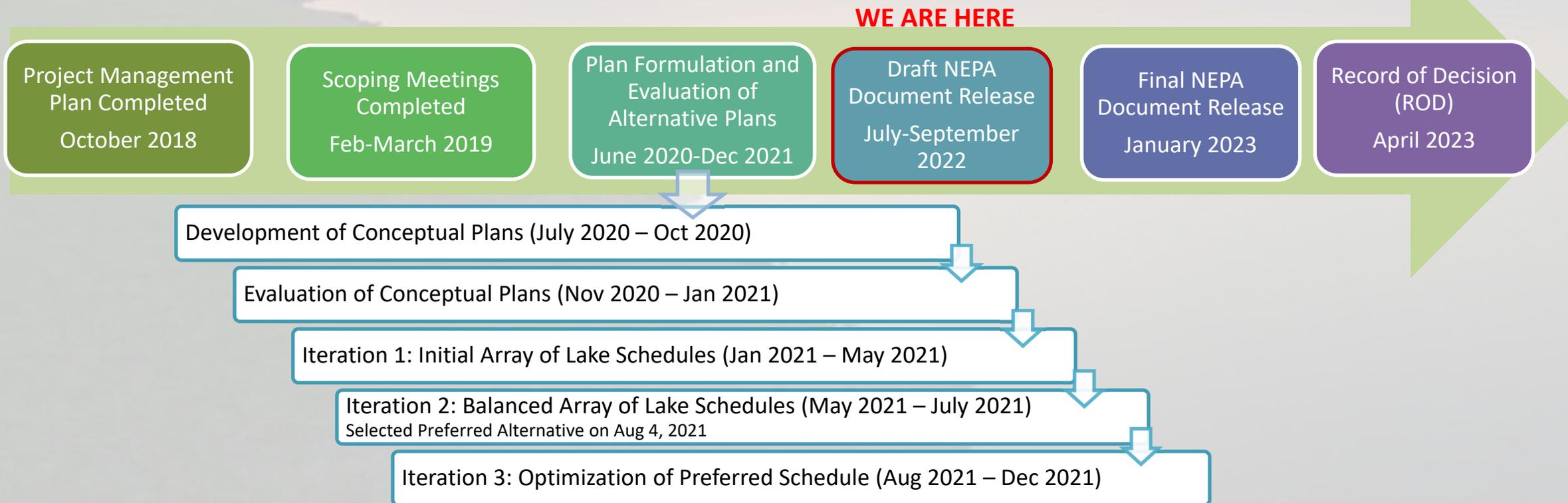
4B: Caloosahatchee Estuary

4C: St. Lucie Estuary

4D: South Florida

LOSOM Planning Process

- Draft EIS published in the Federal Register for Public & Agency Review & Comment Period July 29th- September 12th, 2022
- 5 National Environmental Policy Act (NEPA) public meetings August 9th – 18th, 2022



LOSOM Modeling Iterations

- Conceptual plan analysis
- Iteration 1
 - focus on single objective runs
- Iteration 2
 - Alternatives include 6 balanced plans: AA, BB, CC, DD, EE1, EE2
- Iteration 3
 - Alternative CC was selected by USACE as the foundation
 - Sensitivity runs to meet Iteration 3 goals:
 - Recognize the Seminole Tribe of Florida as a separate & distinct water supply user
 - Reduce stress to the Caloosahatchee River & Estuary
 - Help Lake Ecology by addressing the duration & number of events above 17 feet
 - Stay as good or better than AltCC Water Supply for LOSA & LECSA
 - Add flexibility in the lower portions of the schedule
 - Send more water south
 - Address algae
 - Optimized preferred lake schedule

Conceptual Plans – 120,000
Model Runs

Iteration 1

10 Single Objective Runs +
3 Stakeholder Plans

Iteration 2

6 Balanced Plans

Iteration 3

Preferred Lake
Schedule

Governing Board Policy Statement (April 2021)

The South Florida Water Management District (District) works 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. LOSOM allows us to capitalize on recent infrastructure improvements including rehabilitation of the Herbert Hoover Dike and CERP features. The District views balancing the differing interests across the system, including flexibility to adapt to current situations to achieve that balance, as integral to the success of the LOSOM process. Those interests include: equitably delivering water supply to society and the environment for beneficial uses during the dry season; increasing the tolerance for temporary/short term higher lake stages during the wet season in order to avoid harmful estuary discharges; and maintaining the other congressionally authorized purposes of flood control, navigation, and recreation.

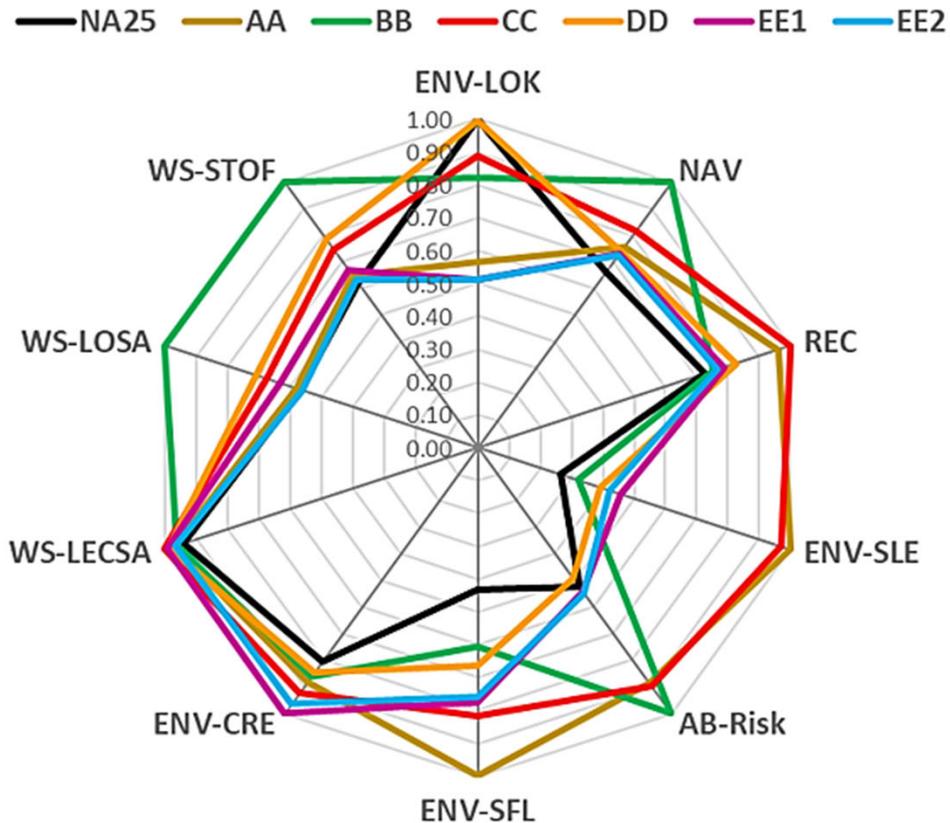
Governor DeSantis Statement

- On May 17th, 2021, in a letter to Mr. Pinkham, the Acting Assistant Secretary of the Army for Civil Works, Governor DeSantis conveyed the following policy statement regarding LOSOM:

LOSOM must promote environmentally-beneficial releases that support lower lake levels during the dry season and enhanced operational flexibility for managers to hold water in the lake during the wet season, to prevent harmful discharges into the estuaries, and send more water south to benefit the environment and our communities.

Iteration 2 Alternatives

DRAFT MCDA Performance Comparison
Iteration 2 Alternatives



- ENV-LOK: Lake Okeechobee Ecology
- NAV: Navigation
- REC: Recreation
- ENV-SLE: St. Lucie Estuary Ecology
- AB-Risk: Northern Estuaries Algal Bloom Risk
- ENV-SFL: South Florida Ecology
- ENV-CRE: Caloosahatchee Estuary Ecology
- WS-LECSA: Water Supply Lower East Coast Service Area
- WS-LOSA: Water Supply Lake Okeechobee Service Area
- WS-STOF: Water Supply Seminole Tribe of Florida

Implementation Policy Considerations

Building Upon CC (1 of 2) from July 2021

- **Minimize harmful Lake flows to the Caloosahatchee, St. Lucie, and Lake Worth Lagoon.**
- **Promote environmentally-beneficial flows south to the Everglades and west to the Caloosahatchee until Lake Okeechobee reaches the Water Shortage Management Band.**
- **Turn off flows to the St. Lucie and minimize flows to the Caloosahatchee in June, July, and August to minimize algae discharge.**
- **At any time when considering regulatory releases through the S-79, S-80, and S-155A, include the ability to not discharge water when harmful algae blooms are present.**
- **Defer to SFWMD managers to decide the delivery rate to the Everglades for permit compliance responsibilities and health of the STAs.**

Implementation Policy Considerations

Building Upon CC (2 of 2) from July 2021

- Provide for Lake Okeechobee recovery operations if lake has experienced high and damaging lake levels for more than one year in a row.
- Provide for water conservation measures when lake levels are forecasted to enter a dry period, which would lead to entering into the water shortage management band.

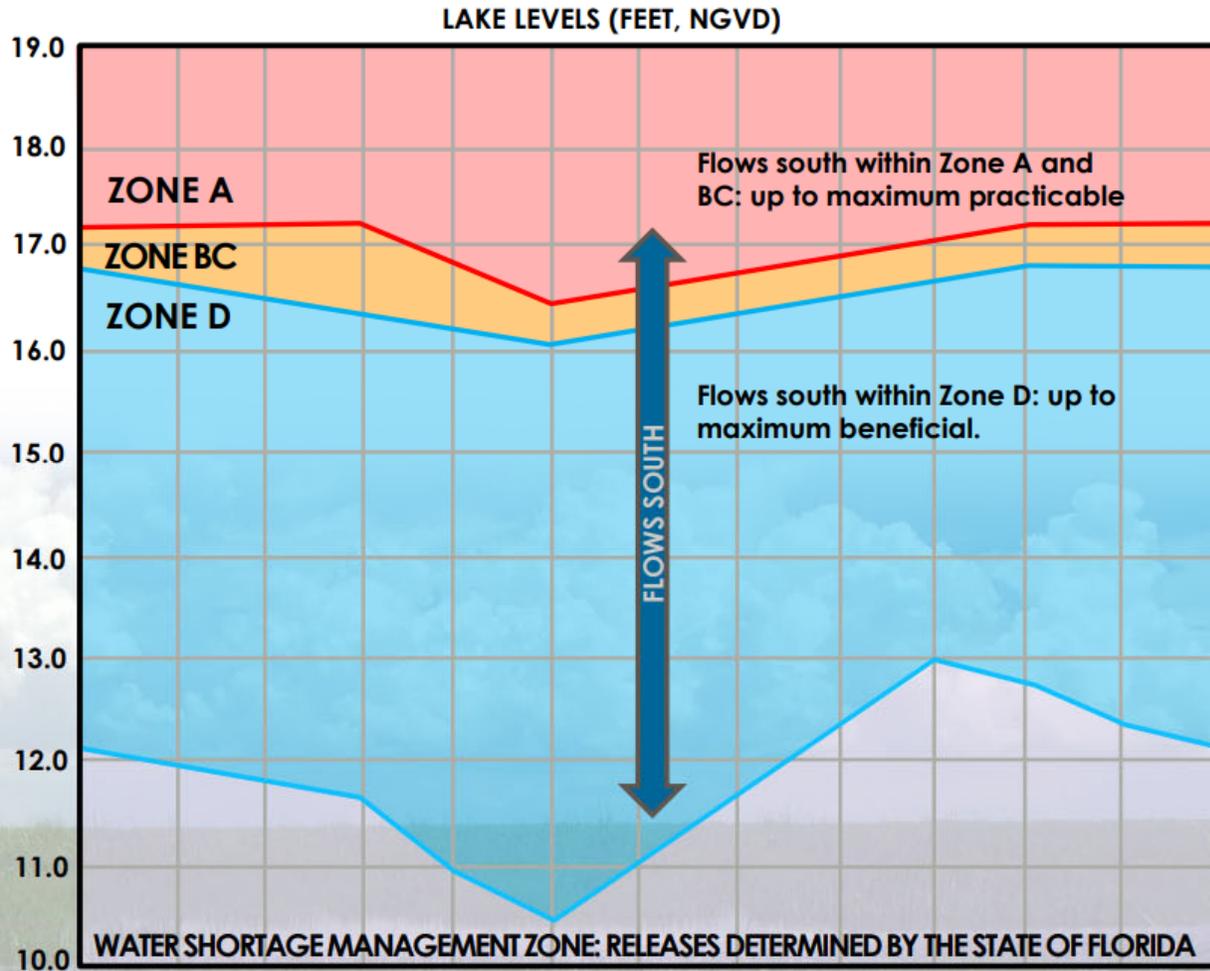
Remember: Expeditiously building CERP should remain a top priority to gain even greater benefits for the environment and society.



THE LOSOM REGULATION SCHEDULE

TO THE CALOOSA HATCHEE RIVER ESTUARY (CRE)

TO THE ST. LUCIE ESTUARY (SLE) AND LAKE WORTH LAGOON (LWL)



← UP TO MAXIMUM AT S-77

← ≤ 7,200 CFS AT S-77

← ≤ 2,000 CFS AT S-79*

LWL RELEASE GUIDANCE:
S-271 and S-352 UP TO 300 CFS

→ UP TO MAXIMUM AT S-80

→ ≤ 3,500 CFS AT S-80

→ NONE AT S-80*

* Release lake water at S-77 such that S-79 flow will not exceed this target; local runoff can still cause flow higher than this value at S-79

* Release lake water at S-308 such that S-80 flow will not exceed this target; local runoff can still cause flow higher than the S-80 target

Operational Guidance
Note: South Florida Water Management District (SFWMD) is the agency responsible for allocating water from Lake Okeechobee.

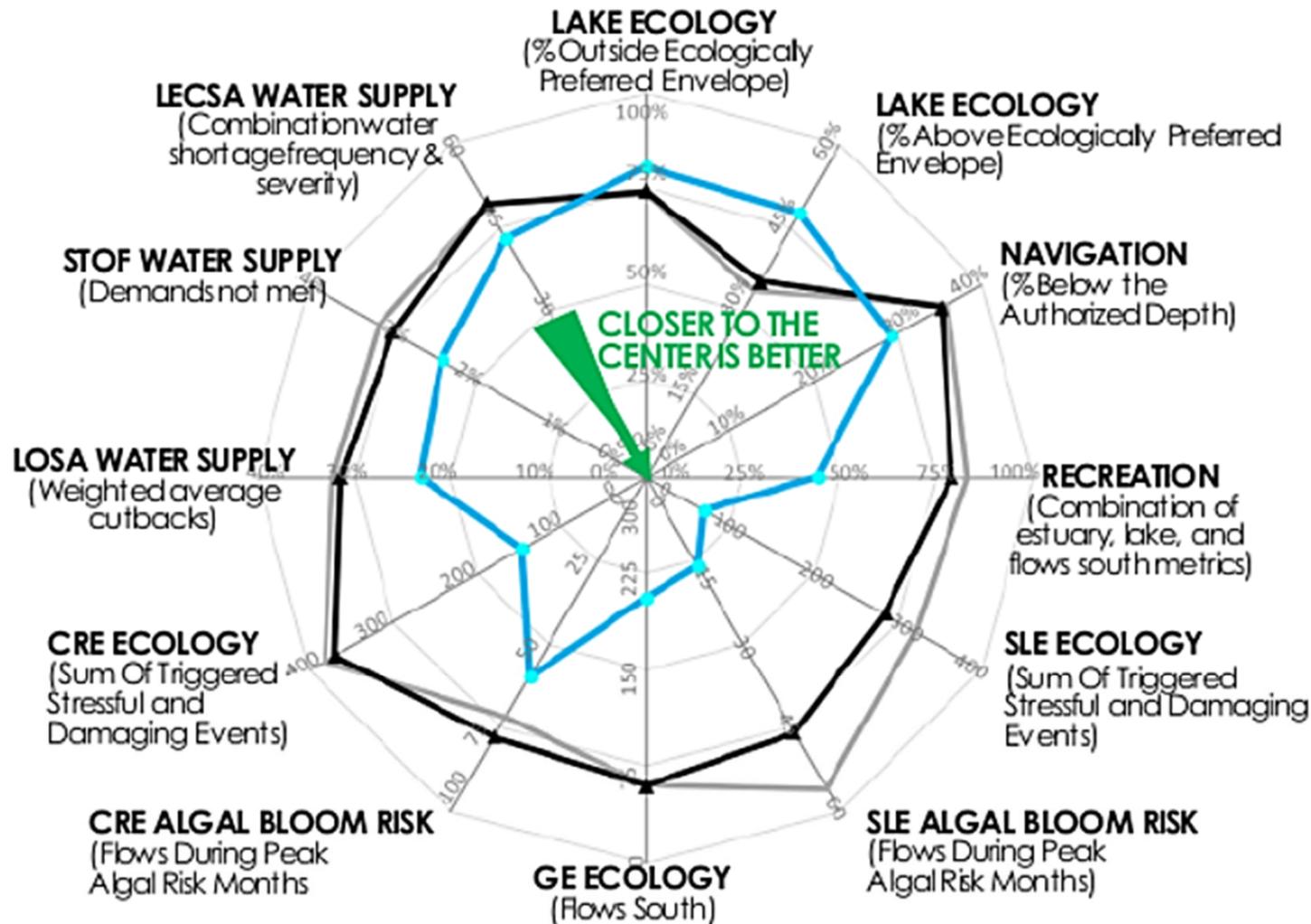
1-Jan 1-Feb 1-Mar 1-Apr 1-May 1-Jun 1-Jul 1-Aug 1-Sep 1-Oct 1-Nov 1-Dec 1-Jan

TO THE GREATER EVERGLADES



LOSOM BENEFITS AND EFFECTS PREFERRED ALTERNATIVE PERFORMANCE OVERVIEW

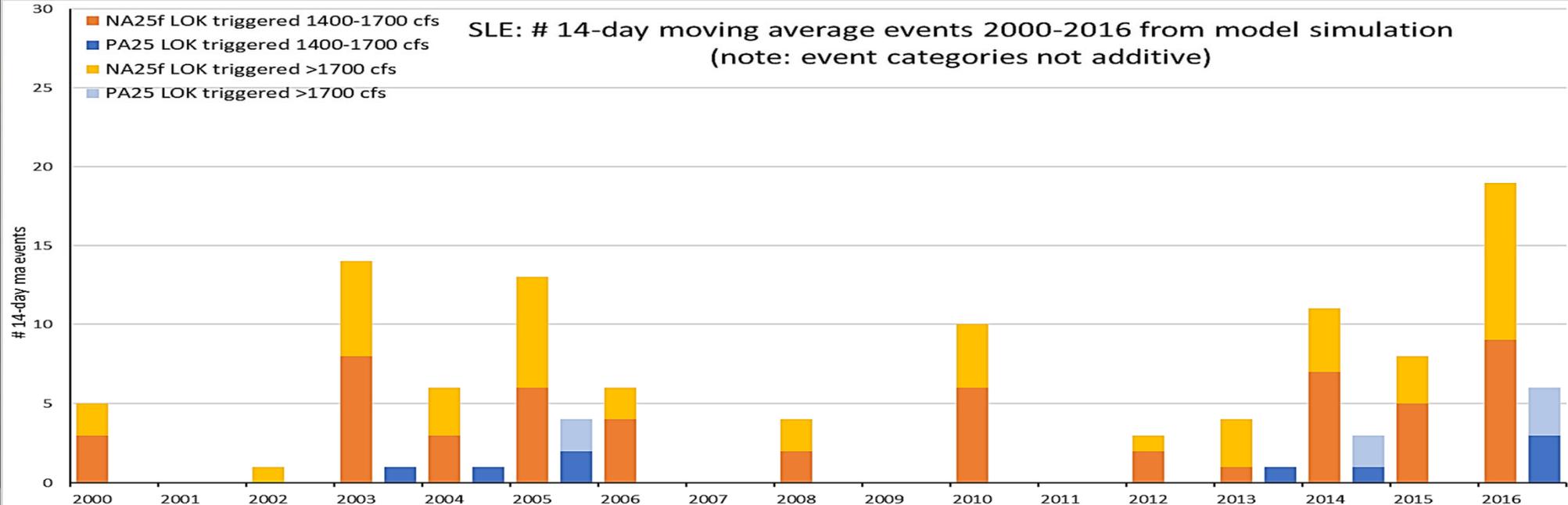
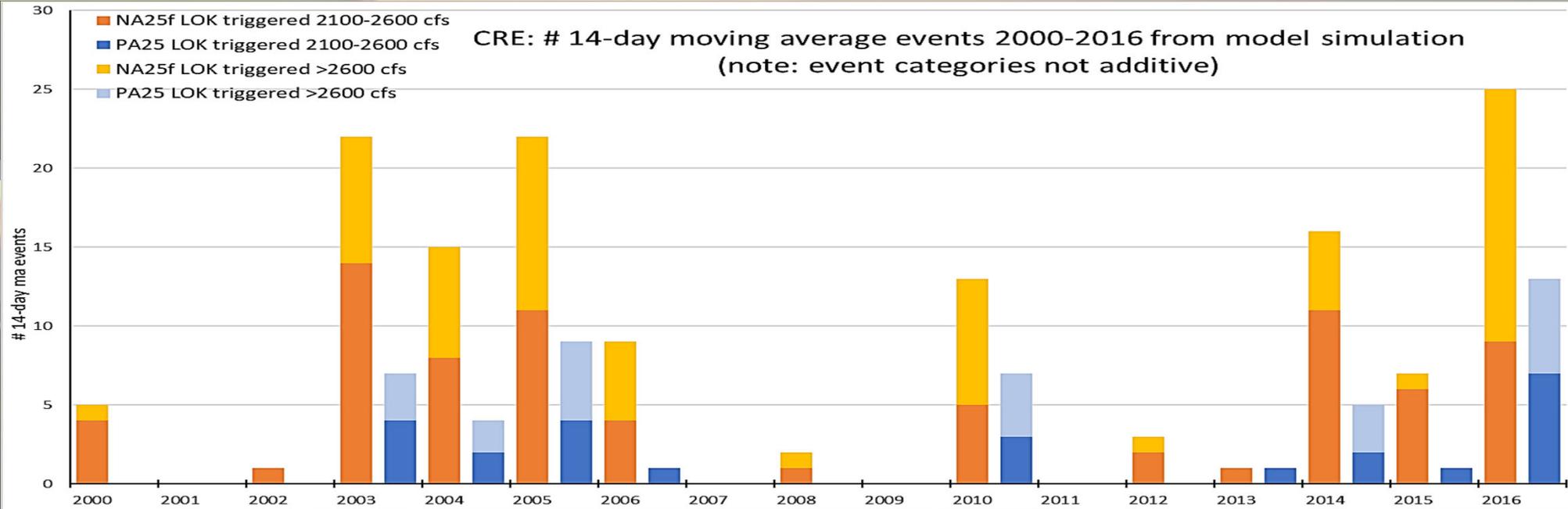
MULTI-OBJECTIVE PERFORMANCE COMPARISON



LEGEND:

- █ LOSOM PREFERRED ALTERNATIVE
 - █ NO ACTION ALTERNATIVE (LORS08 in 2025)
 - █ EXISTING CONDITION BASELINE (LORS08 in 2019)
- CRE:** Caloosahatchee River Estuary
SLE: St. Lucie River Estuary
GE: Greater Everglades
LOSA: Lake Okeechobee Service Area
STOF: Seminole Tribe of Florida
LECSA: Lower East Coast Service Area

For more information, see Section 5 and Appendix C in LOSOM Draft EIS



Themes from Stakeholder Comments

- **Flexibility vs. Predictability**
- **Modeling of Zone D Operations**
- **Reliance on SFWMD at lower Lake stages**
- **Concern about Lake Ecology**
- **Estuary Discharges**
- **Volume of Data and Information**

Implementation Policy Considerations

Building Upon CC (1 of 2) from July 2021

- ✓ Minimize harmful Lake flows to the Caloosahatchee, St. Lucie, and Lake Worth Lagoon.
- ✓ Promote environmentally-beneficial flows south to the Everglades and west to the Caloosahatchee until Lake Okeechobee reaches the Water Shortage Management Band.
- ✓ Turn off flows to the St. Lucie and minimize flows to the Caloosahatchee in June, July, and August to minimize algae discharge.
- ✓ At any time when considering regulatory releases through the S-79, S-80, and S-155A, include the ability to not discharge water when harmful algae blooms are present.
- ✓ Defer to SFWMD managers to decide the delivery rate to the Everglades for permit compliance responsibilities and health of the STAs.

Implementation Policy Considerations

Building Upon CC (2 of 2) from July 2021

- ✓ Provide for Lake Okeechobee recovery operations if lake has experienced high and damaging lake levels for more than one year in a row.
- ✓ Provide for water conservation measures when lake levels are forecasted to enter a dry period, which would lead to entering into the water shortage management band.

Remember: Expeditiously building CERP should remain a top priority to gain even greater benefits for the environment and society.

Discussion

BISCAYNE BAY COASTAL WETLANDS (BBCW)

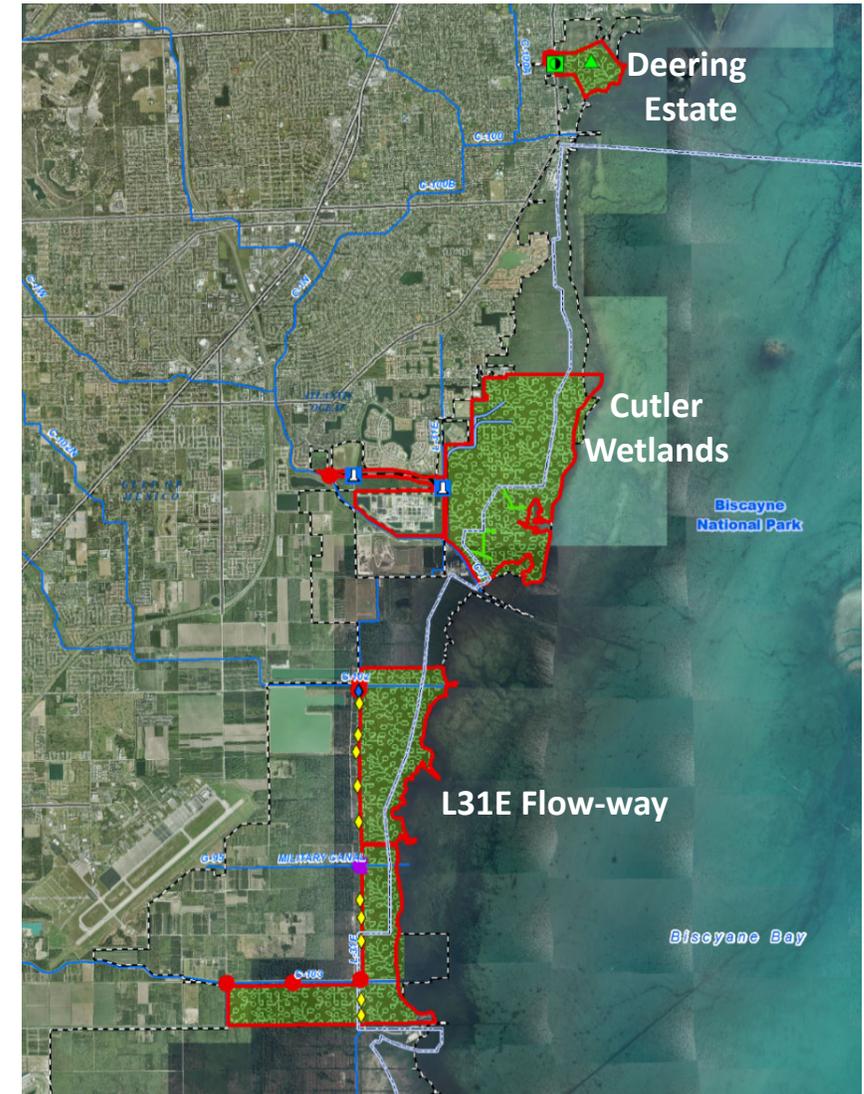
CUTLER FLOW WAY PHASE 1 PUMP STATION S-701

Jennifer Reynolds, Division Director
Ecosystem Restoration & Capital Projects
South Florida Water Management District
Governing Board
September 8, 2022



BBCW Phase 1

- Comprehensive Everglades Restoration Plan (CERP)
- Approved by Congress in WRDA 2014
- 3 Project Components:
 - **Deering Estate** - SFWMD completed construction in 2012. The project is operational, and the results are positive.
 - **Cutler Wetlands** - Anticipate SFWMD to start construction for S-701 in October 2022 and remaining features in late 2023.
 - **L-31E Flow-way** - Culverts are in place, remaining features under construction by USACE.



BBCW Deering Estate – Initial Results



Natural Sawgrass Recruitment

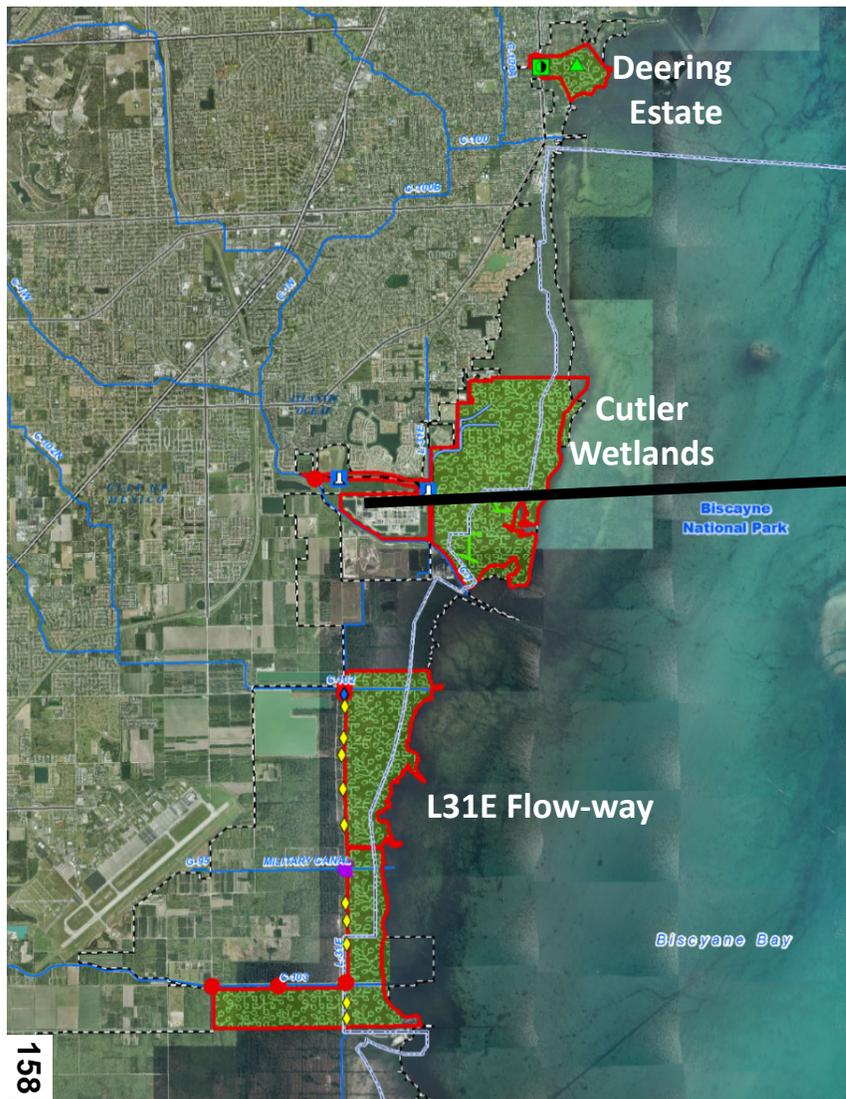


Freshwater upwelling in Biscayne Bay

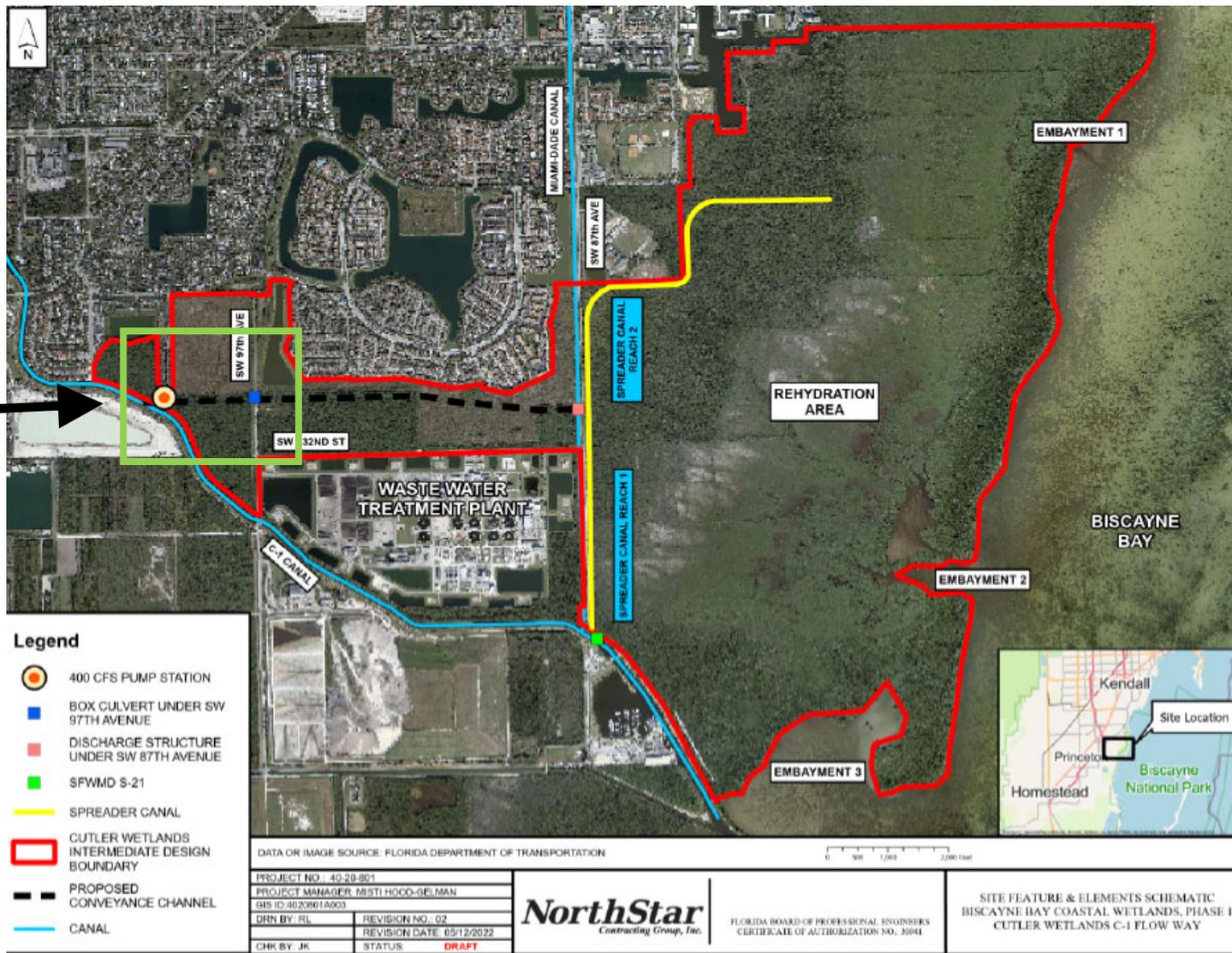


Redistribution of freshwater to mangrove wetlands

Location

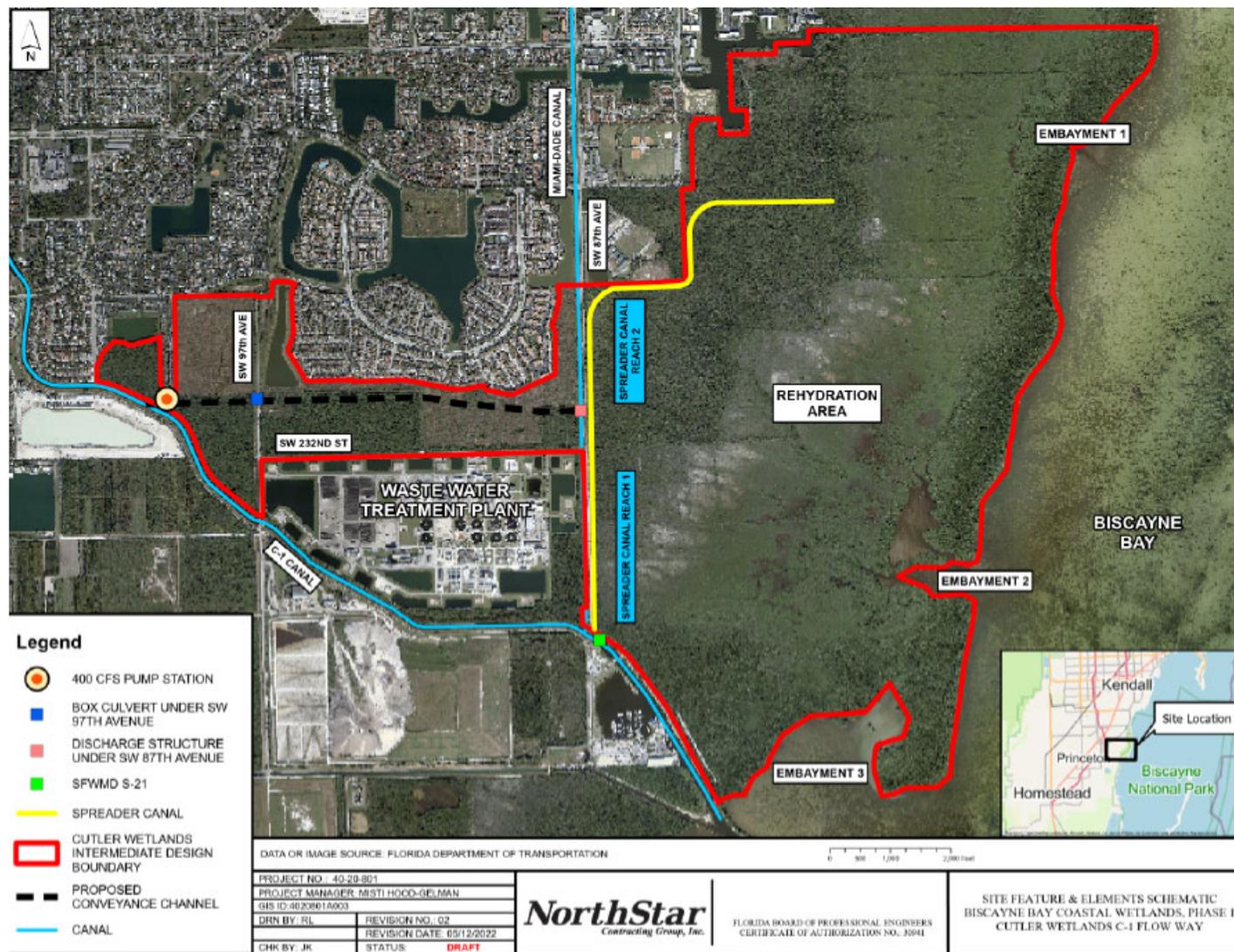


Presenter: Jennifer Reynolds



Project Scope

- **Package 1, Pump Station S-701**
S-701 Pump Station (400 cubic feet per second)
- **Package 2, Conveyance Channel**
 - S-701A Box Culvert at SW 97th Ave.
 - S-701B Micro Tunnel under SW 87th Ave.
 - C-701 Concrete-lined Conveyance Channel
 - C-702 Spreader Swale in Rehydration Area
 - Recreation Feature



Bid Summary

- RFB Advertised: July 22, 2022
- Bid Opening: August 25, 2022
- Number of Bids Received: 02
- Bid Range: \$35,847,000 - \$37,322,952
- Engineer's Estimate: \$36,100,420 - \$39,900,460

Resolution

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 1,055-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for construction of the Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County, in the amount of \$35,847,000 for which \$15,000,000 in dedicated funds (Land Acquisition Trust Fund) is subject to Governing Board approval of the Fiscal Year 2022-2023 Adopted Budget and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004658)