



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

July 13, 2023

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
 - July Employee of the Month: Jenna Bobsein, Lead Engineer
 - July Team of the Month: C-8 and C-9 Watersheds Flood Protection Level of Service (FPLOS) - Adaptation and Mitigation Study
 - 30-Year Service Award: Steffany Olson, Principal State Policy Analyst
4. Agenda Revisions
5. Agenda Item Abstentions by Board Members
6. Audit & Finance Committee Report - Jay Steinle, Chairman
7. Consider Approval of the Minutes for the June 8, 2023 Meeting
8. Executive Director's Report - Drew Bartlett
9. General Public Comment
10. Board Comment

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

Consent Agenda

14. Land Acquisition, Tract W9304-946, Pennsuco Wetlands Project, Miami-Dade County (Staff contact, Ray Palmer)

Agenda Item Background:

The District is acquiring land from willing sellers in the Pennsuco Wetlands Project in northwestern Miami-Dade County. This proposed acquisition of Tract No. W9304-946, owned by Alfonso Perez, contains approximately five acres within Pennsuco and the purchase price is \$40,000. Funding for the purchase, along with \$10,133.85 for associated costs, restoration costs, and land management costs will come from the Lake Belt Mitigation Fund. Acquisition and restoration of the Pennsuco wetlands is a key component of the legislatively approved Miami-Dade County Lake Belt Plan.

Recommended Action:

Resolution No. 2023 - 0701 Authorize the acquisition of land interests containing 5.0 acres, more or less, in the Pennsuco Wetlands Project, in Miami-Dade County, in the amount of \$40,000, plus associated costs, restoration costs and long-term land management costs in the cumulative amount of \$10,133.85, for which dedicated funds (Lake Belt Mitigation Fund) are budgeted in Fiscal Year 2022-2023.

[Resolution No. 2023-0701](#)
[Maps](#)

15. Land Conveyance to the Board of Trustees of the Internal Improvement Trust Fund - Tract GU100-012, and portions of Tracts GU100-013, GU100-014, GU100-015, Green Heart of the Everglades Project, Collier County (Staff contact, Ray Palmer)

Agenda Item Background:

At its May 11, 2023, meeting, the District's Governing Board approved the purchase and acquisition of land interests collectively containing 11,053.44 acres, more or less, in connection with the Green Heart of the Everglades Project. The \$29,850,000 purchase price for the lands will be funded from an appropriation provided by the Florida Department of Environmental Protection (DEP). In anticipation of receipt of the funds and completing the closing and acquisition of the lands, the Governing Board is approving the District's subsequent conveyance of an approximately 6,275.97-acre portion of the lands to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida.

Recommended Action:

Resolution No. 2023 - 0702 Approve conveying land interests containing 6,275.97 acres, more or less, in Collier County, to the Board of Trustees of the

Internal Improvement Trust Fund of the State of Florida and, in connection therewith, approve declaring the land interests, together with any structures, improvements, and personal property appurtenant thereto, surplus.

[Resolution No. 2023-0702](#)

[Resolution Exhibit A](#)

[Resolution Exhibit B](#)

16. Installation and Removal of Horizontal Submerged Pump Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354, Palm Beach County (Staff contact, Lucine Dadrian)

Agenda Item Background:

For the Installation and Removal of Horizontal Submerged Pump Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354 Project, the District proposes entering into a 3-year service contract with two 1-year extension options for the installation and removal of up to 14 horizontal submerged pumps at the S-351, S-352 and S-354 control structures. When water levels in Lake Okeechobee drop below 10-feet NGVD, gravity flow deliveries can no longer be made to the Everglades Agricultural Area, Lower East Coast, Stormwater Treatment Areas (STAs) and Tribal Lands. These temporary forward pumps are needed to move water out of Lake Okeechobee for water supply during those times of low Lake levels. Pump installations are done only as needed and will be implemented at each structure, as determined by lake level and demand. Each gate within a bay at each structure requires 2 submersible pump assemblies to be connected to a fabricated bulkhead that fits into the downstream dewatering beam slot, securing the pumps within the bay. The electrical conduits are run up to the structure bridges and connected to electrical control panels installed specifically for these submersible pumps.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. Since only one bid was received, the District negotiated the contract price to yield a small reduction offered by the contractor in the spirit of cooperation.

Recommended Action:

Resolution No. 2023 - 0703 Authorize entering into a 3-year contingency contract with two 1-year options for extensions with Loren Jock Trucking, Inc., the lowest responsive and responsible bidder, for the Installation and Removal of Horizontal Submerged Pumping Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354 as needed for operations during water shortage events, in an amount not-to-exceed \$2,144,500, and authorize budget transfers for the purpose of responding to water shortage events in Fiscal Year 2023-2024 and subsequent fiscal year budgets. (Contract No. 4600004779)

[Resolution No. 2023-0703](#)

[Backup Document](#)

[Bid Tab Form](#)

17. L-28 Power Conduit Project, Miami-Dade County (Staff contact, Lucine Dadrian)

Agenda Item Background:

The L-28 Power Conduit Project consists of constructing 14.1 miles of the installation of 5" diameter PVC conduit and pull-boxes every 900 feet. This project will support bringing underground power from US-41 to the L-28 Microwave Tower located at the northern terminus of the L-28 Levee. A contract with Florida Power & Light Company was approved at the April 13, 2023, Governing Board meeting to design and construct the connection at US-41 and pulling power through the conduit boxes to be constructed by this project. The tower is currently powered by prime generators and requires fuel trucks to travel 17 miles along the levee to fuel the tower weekly. The tower is part of the District's Microwave Infrastructure feeding information back to headquarters providing real-time data for District infrastructure and remote operations of water control structures and pump stations.

In addition to supporting the Central & Southern Florida System, the project also supports the Western Everglades Restoration Project's future construction of three remotely operated water control structures along the L-28 Levee. The structures require power to operate and additional Florida Power & Light infrastructure is necessary to have reliable power to operate the project features to allow more water to flow west into the Big Cypress National Preserve; and, thereby, alleviate the high-water levels in Water Conservation Area 3A. The structures will work in conjunction with additional future modifications to the L-28 Canal, L-28 Tieback and Tamiami Trail Canal and are all features of the Western Everglades Restoration Project.

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

Recommended Action:

Resolution No. 2023 - 0704 Authorize entering into a 194-day agreement with Hypower, LLC, for the construction of additional power distribution infrastructure to support the L-28 Power Conduit, in the amount of \$1,965,099 for which \$200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004818)

[Resolution No. 2023-0704](#)

[Backup Document](#)

[Bid Tab Form](#)

- 18. STA-1E Cell 2 - Outflow Structure Emergency Power Generator, Palm Beach County (Staff contact, Lucine Dadrian)

Agenda Item Background:

The STA-1E Cell 2 - Outflow Structure Emergency Power Generator Project will improve the District's ability to manage operations during power outages. Currently, in anticipation of power outages that would leave the STA-1E Cell 2 gates inoperable, the Cell 2 discharge gates are opened and then held open during storm events. This causes a rapid drawdown of Cell 2 and uncontrolled flows during storm events which have caused extensive erosion to the cell, compromising the cell's water quality treatment performance. This project involves retrofitting S-365B with permanent

backup power, a new generator building, and miscellaneous site-civil improvements. Once complete, the flows through Cell 2 can be managed in a manner that supports treatment performance.

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

Recommended Action:

Resolution No. 2023 - 0705 Authorize entering into a 415-day contract with Expert Construction Managers, Inc., the lowest responsive and responsible bidder, for the STA-1E Cell 2 - Outflow Structure Emergency Generator Project, in the amount of \$2,177,000, for which \$300,000 in dedicated funds (Everglades Trust Fund) is budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004792)

[Resolution No. 2023-0705](#)

[Backup Document](#)

[Bid Tab Form](#)

19. Amendment to the Adopted Fiscal Year 2022-2023 Budget to Recognize Specific Appropriations from the 2023 Florida Legislative Session (Staff contact, Candida Heater)

Agenda Item Background:

The Governor signed into the Laws of Florida, Chapter 2023-239 Senate Bill No. 2500 General Appropriations Act (GAA). Within includes Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay Everglades Restoration from the Land Acquisition Trust Fund that included \$58,000,000 for Restoration Strategies Regional Water Quality Plan. These intergovernmental funds were not included in the District's Fiscal Year 2022-2023 Adopted Budget. Pursuant to the requirements of Section 373.536(4)(c), Florida Statutes - If the district receives unanticipated funds after the adoption of the final budget, the final budget may be amended, following review and approval by the Executive Office of the Governor, by including such funds, if notice of intention to amend is provided to the Legislative Budget Commission and is published in the notice of the governing board meeting at which the amendment will be considered, pursuant to Section 120.525, Florida Statutes. The notice must set forth a summary of the proposed amendment. The District anticipates requiring from the 2023 GAA Specific Appropriation 1685 \$58,000,000 from the Department of Environmental Protection to facilitate and support payment of invoices for Restoration Strategies Projects (STA 1W Exp #2, C-139 FEB, G-341 Conveyance Features, and Science Plan). The District's Fiscal Year 2023-2024 Tentative Budget will be reduced by the respective amounts, if approved, and the remaining balance of the specific appropriations will remain in the District's Fiscal Year 2023-2024 Budget subject to Governing Board approval and adoption September 26, 2023.

Recommended Action:

Resolution No. 2023 - 0706 Implement from the 2023 Legislative Session Senate Bill 2500 General Appropriations Act Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay

Everglades Restoration from the Land Acquisition Trust Fund in an amount of \$58,000,000 for Restoration Strategies Regional Water Quality Plan; and authorize an amendment to the Adopted Fiscal Year 2022-2023 budget.

[Resolution No. 2023-0706](#)

[Resolution Exhibit A](#)

[Backup Document](#)

20. Fiscal Year 2023-2024 Proposed Tentative Budget and Submission of Proposed Millage Rates (Staff contact, Candida Heater)

Agenda Item Background:

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

Pursuant to Section 200.065, Florida Statutes, the District shall, on or before August 4 of each year, advise each county property appraiser within the boundaries of the District of its proposed millage rates for inclusion in the notice of proposed property taxes.

Recommended Action:

Resolution No. 2023 - 0707 Consider the Fiscal Year 2023-2024 proposed tentative budget update and authorize submittal of the Fiscal Year 2023-2024 proposed millage rates to county property appraisers for inclusion in the notice of proposed property taxes.

[Resolution No. 2023-0707](#)

Discussion Agenda

21. Amendment to Agreement with the University of Florida Board of Trustees for Improving Burmese Python Removal Strategies (Staff contact, Mike Kirkland)

Agenda Item Background:

Established populations of invasive reptiles within the natural areas of southern Florida have resulted in native wildlife decline, biodiversity loss, socio-economic impacts, and threaten restoration goals throughout the Greater Everglades. Specifically, the Burmese python (*Python molurus bivittatus*) is responsible for the most significant ecological and restoration disruptions in south Florida. Detecting this cryptic species remains the largest obstacle to control its impacts.

The District and the University of Florida Board of Trustees entered into an agreement to develop novel approaches designed to attract Burmese pythons that could increase detection rates and aid in removal strategies. Specifically, the agreement aims to evaluate the potential for animal scents to lure pythons to reveal themselves from cover. This amendment will extend the term by three months, in an amount not-to-exceed \$77,551, for a total revised agreement amount of \$327,535.

Recommended Action:

Resolution No. 2023 - 0708 Authorize entering into an amendment to Agreement No. 4600004590 with the University of Florida Board of Trustees for research on

enhanced control of the invasive Burmese python, to extend the term by three months, in an amount not-to-exceed \$77,551.00, for a total revised agreement amount of \$327,535.00, for which \$140,162.06 in Ad Valorem or Lease Revenue funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Agreement No. 4600004590-A01)

[Resolution No. 2023-0708](#)

Technical Reports

22. Water Conditions Report - John P. Mitnik
23. Ecological Conditions Report - Lawrence Glenn

Staff Reports

24. Monthly Financial Report - Candida Heater, Division Director - Administrative Services
25. General Counsel's Report - Maricruz R. Fincher, General Counsel
26. General Public Comment
27. Board Comment
28. Adjourn

eComments received for item number 09 and final presentations for item numbers 21, 22, and 23.

Agenda Item Background:

- [09 eComment Cardenas](#)
- [09 eComment Handwerger](#)
- [21 Kirkland Improving Python Removal Strategies](#)
- [22 Mitnik Water Conditions Report](#)
- [23 Glenn Ecological Conditions Report](#)

Public Comment Procedure

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

MEMORANDUM

TO: Governing Board Members

FROM: Ray Palmer, Real Estate

DATE: July 13, 2023

SUBJECT: Land Acquisition, Tract W9304-946, Pennsuco Wetlands Project, Miami-Dade County

Agenda Item Background:

The District is acquiring land from willing sellers in the Pennsuco Wetlands Project in northwestern Miami-Dade County. This proposed acquisition of Tract No. W9304-946, owned by Alfonso Perez, contains approximately five acres within Pennsuco and the purchase price is \$40,000. Funding for the purchase, along with \$10,133.85 for associated costs, restoration costs, and land management costs will come from the Lake Belt Mitigation Fund. Acquisition and restoration of the Pennsuco wetlands is a key component of the legislatively approved Miami-Dade County Lake Belt Plan.

Additional Item Background:

The District owns or manages approximately 11,005 acres, or about 87% of the total acres within the Pennsuco Wetlands Project. The Pennsuco Wetlands serves as a buffer between Lake Belt mining area and the developed areas of Miami-Dade County to the east, and the Everglades to the west.

Core Mission and Strategic Priorities:

Increased surface water depth and duration in the Pennsuco Wetlands will provide seepage management for the overall benefit of the Everglades by reducing seepage losses from WCA 3B.

Funding Source:

The acquisition of this Tract is from a willing seller. The purchase price of \$40,000 is under the appraised value of \$375,000. The closing costs will be paid by the Seller. All costs, including acquisition and associated costs were, or will be, funded from the Lake Belt Mitigation Fund.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2023-0701](#)

[Maps](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize the acquisition of land interests containing 5.0 acres, more or less, in the Pennsuco Wetlands Project, in Miami-Dade County, in the amount of \$40,000, plus associated costs, restoration costs and long-term land management costs in the cumulative amount of \$10,133.85, for which dedicated funds (Lake Belt Mitigation Fund) are budgeted in Fiscal Year 2022-2023; providing an effective date.

WHEREAS, the South Florida Water Management District is currently acquiring land from willing sellers in connection with the implementation of the Pennsuco Wetlands Project; and

WHEREAS, the South Florida Water Management District desires to purchase land interests containing 5.0 acres, more or less, for the Pennsuco Wetlands Project, in Miami-Dade County, and as shown on the location map Exhibit "A", attached hereto and made a part hereof, in the amount of \$40,000; and

WHEREAS, all costs are to be funded from the Lake Belt Mitigation Fund for the acquisition, associated costs, restoration costs and long-term land management costs and

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

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes the purchase of land interests containing 5.0 acres, more or less, in the Pennsuco Wetlands Project, in Miami-Dade County, in the amount of \$40,000, together with associated costs, restoration costs and long-term land management costs in the cumulative amount of \$10,133.85, for which dedicated funds (Lake Belt Mitigation Fund) have been budgeted, as follows:

Owner	Tract No.	Interest	Acres	Appraised Value	Purchase Price
Alfonso Perez	W9304-946	Fee	5.0	\$375,000	\$40,000

Dollars	Fund	Fund Center	Functional Area	Commitment Item GL Account #	Account Description
\$ 40,000.00	419000	3510144000	AA05	580020	Acquisition
\$ 1,986.20	419000	3510144000	AA05	580014	Associated Costs
\$ 4,537.65	211021	3510144000	AA05	530200	Restoration Costs
\$ 3,610.00	701021	3510144000	AA05	530200	Land Management Costs

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

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

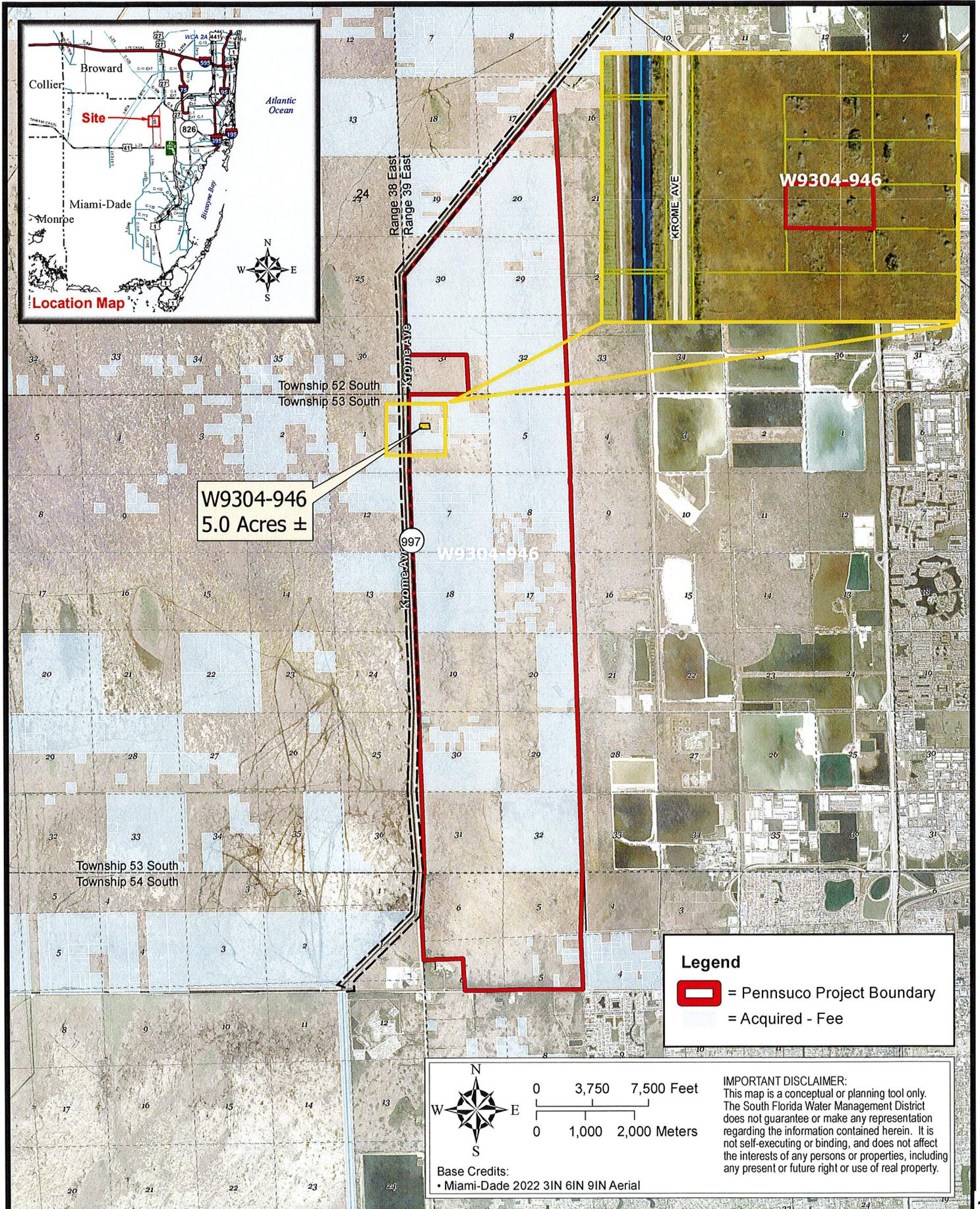
Section 4. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** this 13th day of July, 2023.

Exhibit "A"

W9304-946

Pennsuco Wetland Mitigation



Legend

- = Pennsuco Project Boundary
- = Acquired - Fee

0 3,750 7,500 Feet
0 1,000 2,000 Meters

Base Credits:
 • Miami-Dade 2022 3IN 6IN 9IN Aerial

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



Current

Pennsuco Ownership	Acreage	Tracts
Private	1,337	141
SFWMD	7,564	141
USACE	1,560	3
TIITF	1,256	46
Miami-Dade	624	8
Miccosukee	208	4
FPL	64	5
Project Totals	12,614	348

Krome Ave

L-30

C-4

Tamiami Trail

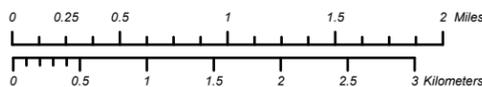
Legend

- Pennsuco Wetlands Project Area
- Current Owner
- FPL
- Miami-Dade
- Miccosukee
- Private
- SFWMD
- TIITF
- USACE



BASE CREDITS:
State plane projection, Florida east zone, NAD 83-HARN, US feet.

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



Pennsuco Wetlands - Current Ownership

IMPORTANT DISCLAIMER:
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Map Date: February 14, 2022



MEMORANDUM

TO: Governing Board Members

FROM: Ray Palmer, Real Estate

DATE: July 13, 2023

SUBJECT: Land Conveyance to the Board of Trustees of the Internal Improvement Trust Fund - Tract GU100-012, and portions of Tracts GU100-013, GU100-014, GU100-015, Green Heart of the Everglades Project, Collier County

Agenda Item Background:

At its May 11, 2023, meeting, the District's Governing Board approved the purchase and acquisition of land interests collectively containing 11,053.44 acres, more or less, in connection with the Green Heart of the Everglades Project. The \$29,850,000 purchase price for the lands will be funded from an appropriation provided by the Florida Department of Environmental Protection (DEP). In anticipation of receipt of the funds and completing the closing and acquisition of the lands, the Governing Board is approving the District's subsequent conveyance of an approximately 6,275.97-acre portion of the lands to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida.

Additional Item Background:

The 11,053.44 acres of lands, shown in the attached Exhibit "A" map, are surrounded by and adjacent to millions of acres of publicly-owned conservation lands, including Big Cypress National Preserve, Fakahatchee Strand Preserve State Park, and Everglades National Park, all of which are owned either by the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida ("TIITF") or the United States. Following the conveyance by the District to TIITF of the 6,416.83-acre portion of the lands, shown in the attached Exhibit "B" map, TIITF and the DEP plan for the lands to then become part of the Fakahatchee Strand Preserve State Park and for DEP to be the managing agency for the State of Florida.

Funding Source:

The costs associated with the closing of the conveyance from the District to TIITF will be funded by TIITF and/or DEP.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2023-0702](#)

[Resolution Exhibit A](#)

[Resolution Exhibit B](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 07XX

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

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

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

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

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

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

Section 1. The Governing Board of the South Florida Water Management District hereby (i) approves declaring surplus land interests containing 6,275.97 acres, more or less, in Collier County, identified in the attached Exhibit "B", together with any structures, improvements, and personal property appurtenant thereto (collectively, the "Property"), which Property has been approved for acquisition by the District pursuant to Resolution No. 2023-

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

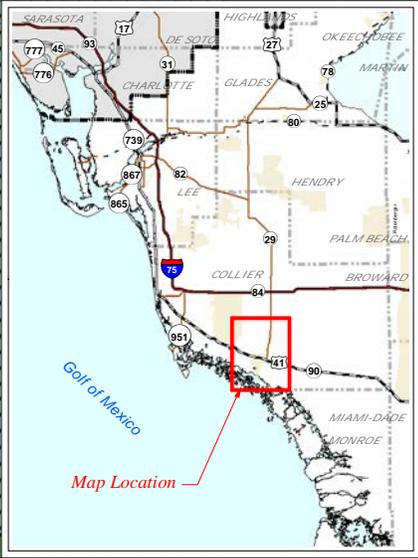
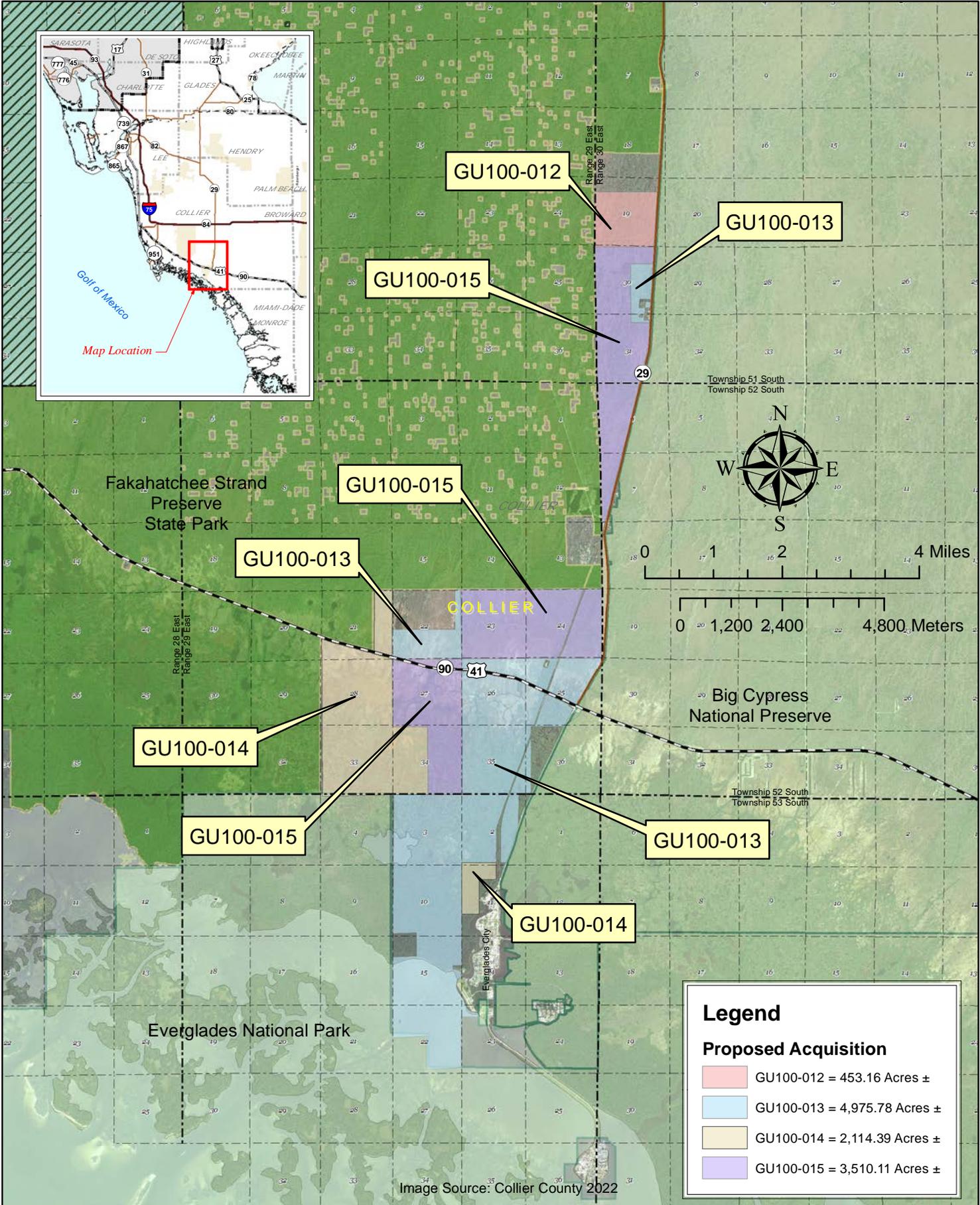
Section 2. The Governing Board of the South Florida Water Management District hereby authorizes the Chairman or Vice Chairman to execute the conveyance document, and further authorizes the Executive Director or his designee to make any determinations and execute all other documents necessary for and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

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

PASSED and ADOPTED this 13th day of July, 2023.

Green Heart of the Everglades Proposed Acquisition Collier County, Florida

Exhibit "A"

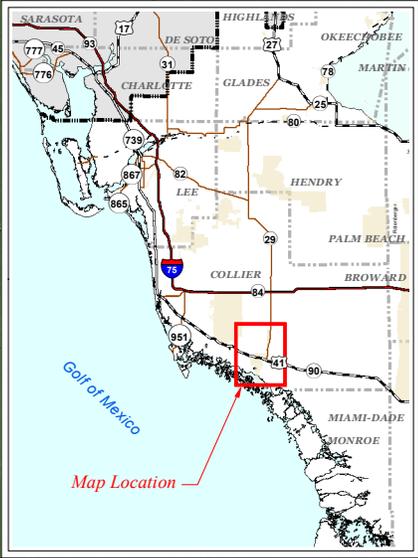
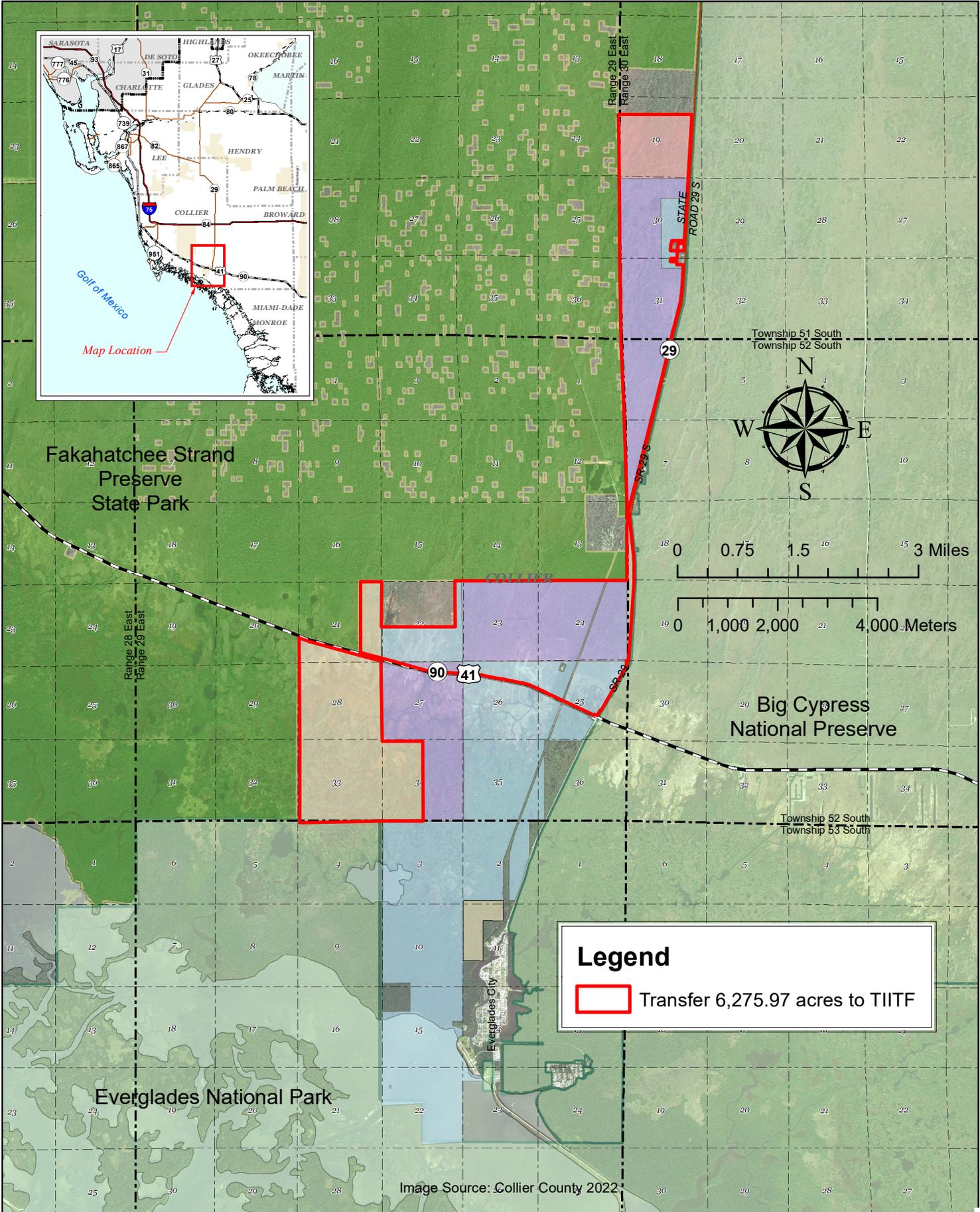


Legend	
Proposed Acquisition	
	GU100-012 = 453.16 Acres ±
	GU100-013 = 4,975.78 Acres ±
	GU100-014 = 2,114.39 Acres ±
	GU100-015 = 3,510.11 Acres ±

Image Source: Collier County 2022

Green Heart of the Everglades Proposed Conveyance Collier County, Florida

Exhibit "B"



Legend

Transfer 6,275.97 acres to TIIF

Image Source: Collier County 2022

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, Engineering, Construction & Modeling

DATE: July 13, 2023

SUBJECT: Installation and Removal of Horizontal Submerged Pump Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354, Palm Beach County

Agenda Item Background:

For the Installation and Removal of Horizontal Submerged Pump Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354 Project, the District proposes entering into a 3-year service contract with two 1-year extension options for the installation and removal of up to 14 horizontal submerged pumps at the S-351, S-352 and S-354 control structures. When water levels in Lake Okeechobee drop below 10-feet NGVD, gravity flow deliveries can no longer be made to the Everglades Agricultural Area, Lower East Coast, Stormwater Treatment Areas (STAs) and Tribal Lands. These temporary forward pumps are needed to move water out of Lake Okeechobee for water supply during those times of low Lake levels. Pump installations are done only as needed and will be implemented at each structure, as determined by lake level and demand. Each gate within a bay at each structure requires 2 submersible pump assemblies to be connected to a fabricated bulkhead that fits into the downstream dewatering beam slot, securing the pumps within the bay. The electrical conduits are run up to the structure bridges and connected to electrical control panels installed specifically for these submersible pumps.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. Since only one bid was received, the District negotiated the contract price to yield a small reduction offered by the contractor in the spirit of cooperation.

Additional Item Background:

The S-351 structure is a 3-gate spillway, which can house up to six (6) submersible pump assemblies. The S-352 and S-354 structures are 2-gate spillways, which can each house up to four (4) submersible pump assemblies. Previous installations were implemented at S-351 and S-354 in 2007, at all three sites in 2009, and at S-351 and S-352 in 2011. This contract is priced per bay for each structure. Upon receiving written direction from the District to commence the installation of pump assemblies, the Contractor is allowed a period of 96 hours to mobilize all diver(s), equipment, transportation, and materials to commence installation of the first pump assemblies at the selected structure sites. The Contractor shall complete each bay's pump assembly installation and make them operational within 3 days. If the District orders installation of all fourteen (14) pump assemblies, the Contractor shall have a total of twenty-one (21) calendar days to complete installation and make the pumps operational at all three structure sites.

Core Mission and Strategic Priorities:

This contract supports the District’s core mission of water supply by providing contract services for up to fourteen (14) submersible pumps when gravity flow deliveries can no longer be made to the Everglades Agricultural Area, Lower East Coast, STA’s and Tribal Lands from the S-351, S-352 and S-354 structures.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2023-0703](#)

[Backup Document](#)

[Bid Tab Form](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 0703

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering a 3-year contract with two 1-year options for extensions with Loren Jock Trucking, Inc., the lowest responsive and responsible bidder, for the Installation and Removal of Horizontal Submerged Pumping Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354 in the amount of \$2,144,500, for which funds are unbudgeted, and authorize the transfer of funds within the District Fiscal Year 2023-2024 budget; providing an effective date. (Contract No. 4600004779)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering a 3-year contract with two 1-year options for extensions with Loren Jock Trucking, Inc., the lowest responsive and responsible bidder, for the Installation and Removal of Horizontal Submerged Pumping Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354 in the amount of \$2,144,500, for which funds are unbudgeted, and authorize the transfer of funds within the District Fiscal Year 2023-2024 budget.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering a 3-year contract with two 1-year options for extensions with Loren Jock Trucking, Inc., the lowest responsive and responsible bidder, for the Installation and Removal of Horizontal Submerged Pumping Assemblies at Lake Okeechobee Water Control Structures S-351, S-352, and S-354 in the amount of \$2,144,500, for which funds are unbudgeted, and authorize the transfer of funds within the District Fiscal Year 2023-2024 budget. (Contract No. 4600004779)

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

PASSED and **ADOPTED** this 13th day of July, 2023.

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

Chauncey P. Goss, II
Chairman

Attest:

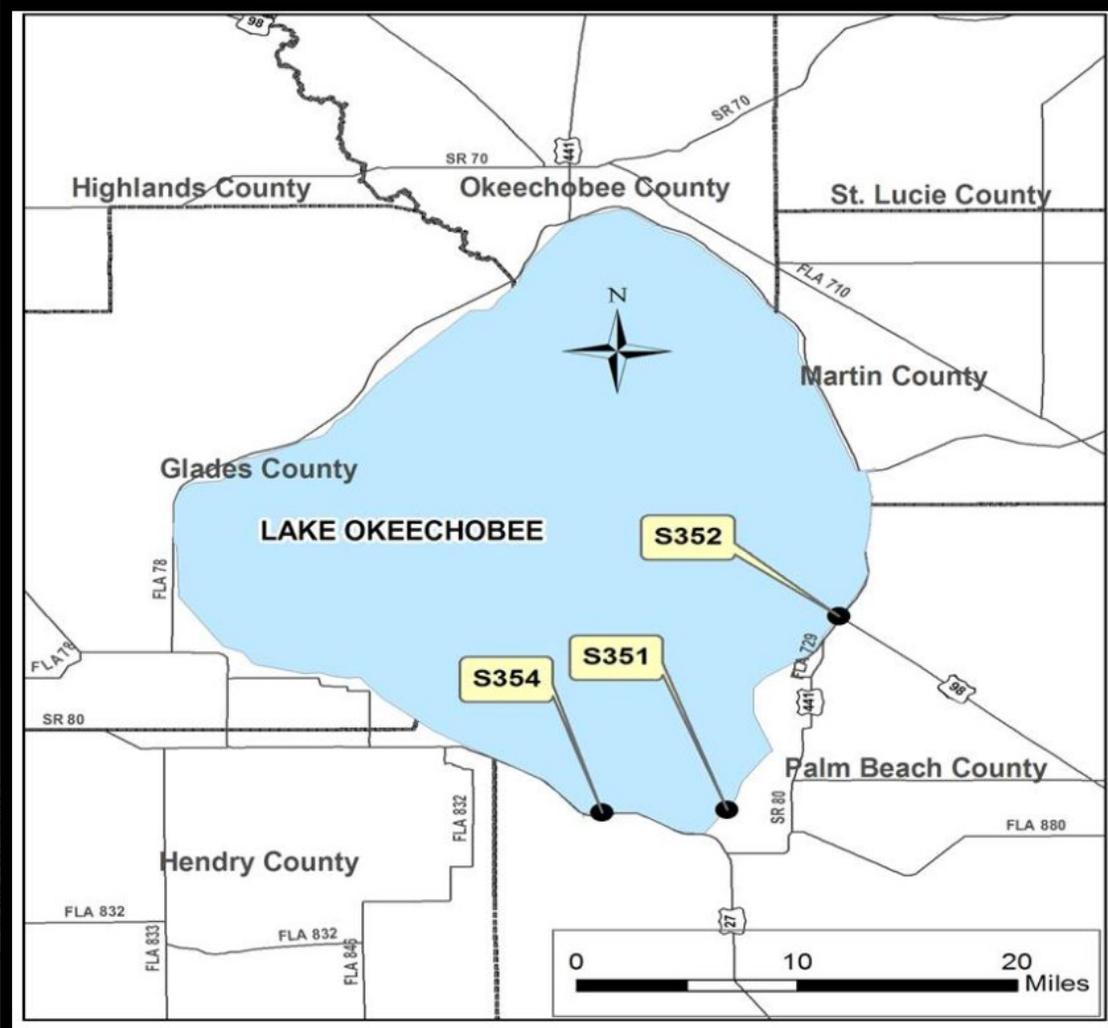
Legal form approved:
By:

District Clerk/Secretary

Office of Counsel

Print name:

Location Palm Beach County





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
NOTICE OF INTENT TO AWARD**

RFB No.: 6000001401

**Title: INSTALLATION & REMOVAL OF
HORIZONTAL SUBMERGED PUMPING
ASSEMBLIES AT LAKE OKEECHOBEE WATER
CONTROL STRUCTURES S-351, S-352 & S-354,
PALM BEACH AND HENDRY COUNTIES**

SBE Subcontracting Goal: 25%

Opening Date: 4/24/2023

Total Bids Received: 1

Advertised Date: 3/08/2023

Bids Received from SBEs: 1

Advertisement: Okeechobee News

Total Number of Planholders: 22

Total SBE Planholders: 11

Contract Specialist: Jason Bezak

Project Manager: Albert Cantelo

BIDDERS

AMOUNT

LOREN JOCK TRUCKING, LLC

\$2,185,000.00

Pursuant to District Policy Section 155-6 (9)

**District
negotiated price
\$2,144,500.00**

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.

Project Manager - Attach detailed justification that recommended bidder is responsive and responsible.

1. _____
Project Manager *Date*

Recommendation for award to low bidder?

Yes No

2. _____
Section Administrator *Date*

If no, recommend award to:

3. _____
Bureau Chief *Date*

Basis of recommendation: _____

4. _____
Division Director *Date*

5. _____
Contract Specialist *Date*

6. _____
Contract Manager *Date*

Governing Board approval of award or contract required?

Yes No

7. _____
Office of Counsel *Date*

8. _____
Procurement Bureau Chief *Date*

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

Posting Date: _____

Posting Time: _____

Initials: _____

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, Engineering, Construction & Modeling

DATE: July 13, 2023

SUBJECT: L-28 Power Conduit Project, Miami-Dade County

Agenda Item Background:

The L-28 Power Conduit Project consists of constructing 14.1 miles of the installation of 5" diameter PVC conduit and pull-boxes every 900 feet. This project will support bringing underground power from US-41 to the L-28 Microwave Tower located at the northern terminus of the L-28 Levee. A contract with Florida Power & Light Company was approved at the April 13, 2023, Governing Board meeting to design and construct the connection at US-41 and pulling power through the conduit boxes to be constructed by this project. The tower is currently powered by prime generators and requires fuel trucks to travel 17 miles along the levee to fuel the tower weekly. The tower is part of the District's Microwave Infrastructure feeding information back to headquarters providing real-time data for District infrastructure and remote operations of water control structures and pump stations.

In addition to supporting the Central & Southern Florida System, the project also supports the Western Everglades Restoration Project's future construction of three remotely operated water control structures along the L-28 Levee. The structures require power to operate and additional Florida Power & Light infrastructure is necessary to have reliable power to operate the project features to allow more water to flow west into the Big Cypress National Preserve; and, thereby, alleviate the high-water levels in Water Conservation Area 3A. The structures will work in conjunction with additional future modifications to the L-28 Canal, L-28 Tieback and Tamiami Trail Canal and are all features of the Western Everglades Restoration Project.

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

Additional Item Background:

Core Mission and Strategic Priorities:

The L-28 Culvert Structures Project supports the District's core mission of ecosystem restoration by increasing the District's ability to effectively allow more water to flow west into the Big Cypress National Preserve; and, thereby, alleviate the high-water levels in Water Conservation Area 3A (WCA-3A).

Funding Source:

The construction of the L-28 Culvert Structures will be funded through dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

Resolution No. 2023-0704

Backup Document

Bid Tab Form

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 0704

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 194-day agreement with Hypower, LLC, for the construction of additional power distribution infrastructure to support the L-28 Power Conduit, in the amount of \$1,965,099 for which \$200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets, providing an effective date. (Contract No. 4600004818)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a 194-day contract with Hypower, LLC, for the construction of additional power distribution infrastructure to support the L-28 Power Conduit Project, in the amount of \$1,965,099.

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 194-day contract with Hypower, LLC, for the construction of additional power distribution infrastructure to support the L-28 Power Conduit Project, in the amount of \$1,965,099 for which \$200,000 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004818)

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

PASSED and ADOPTED this 13th day of July, 2023.

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

Chauncey P. Goss, II
Chairman

Attest:

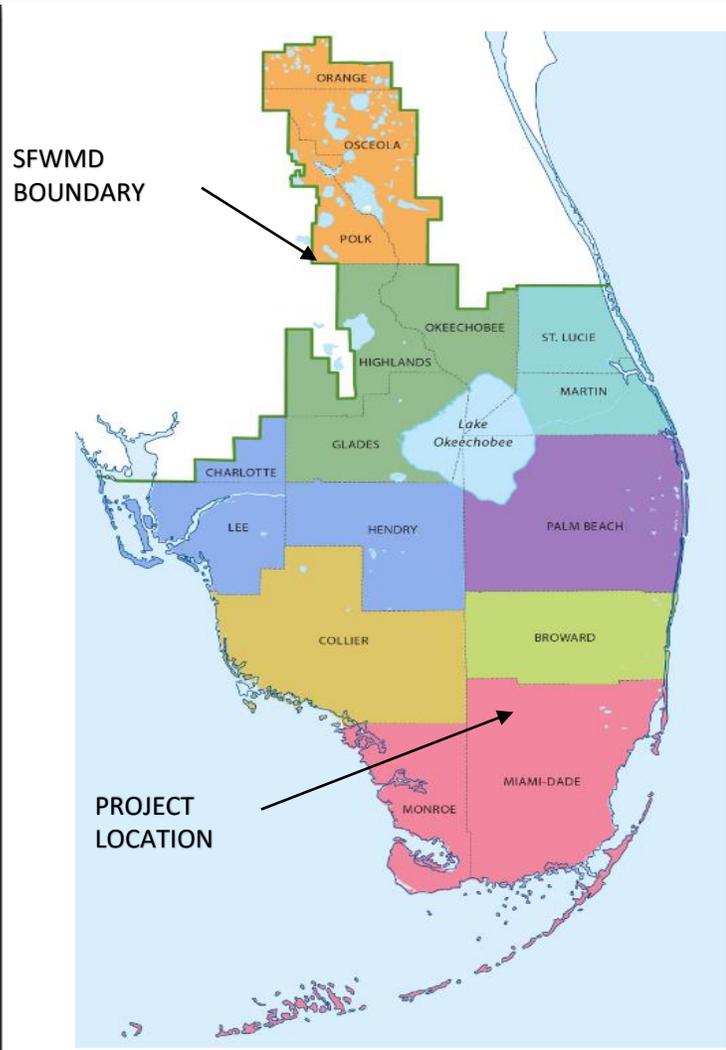
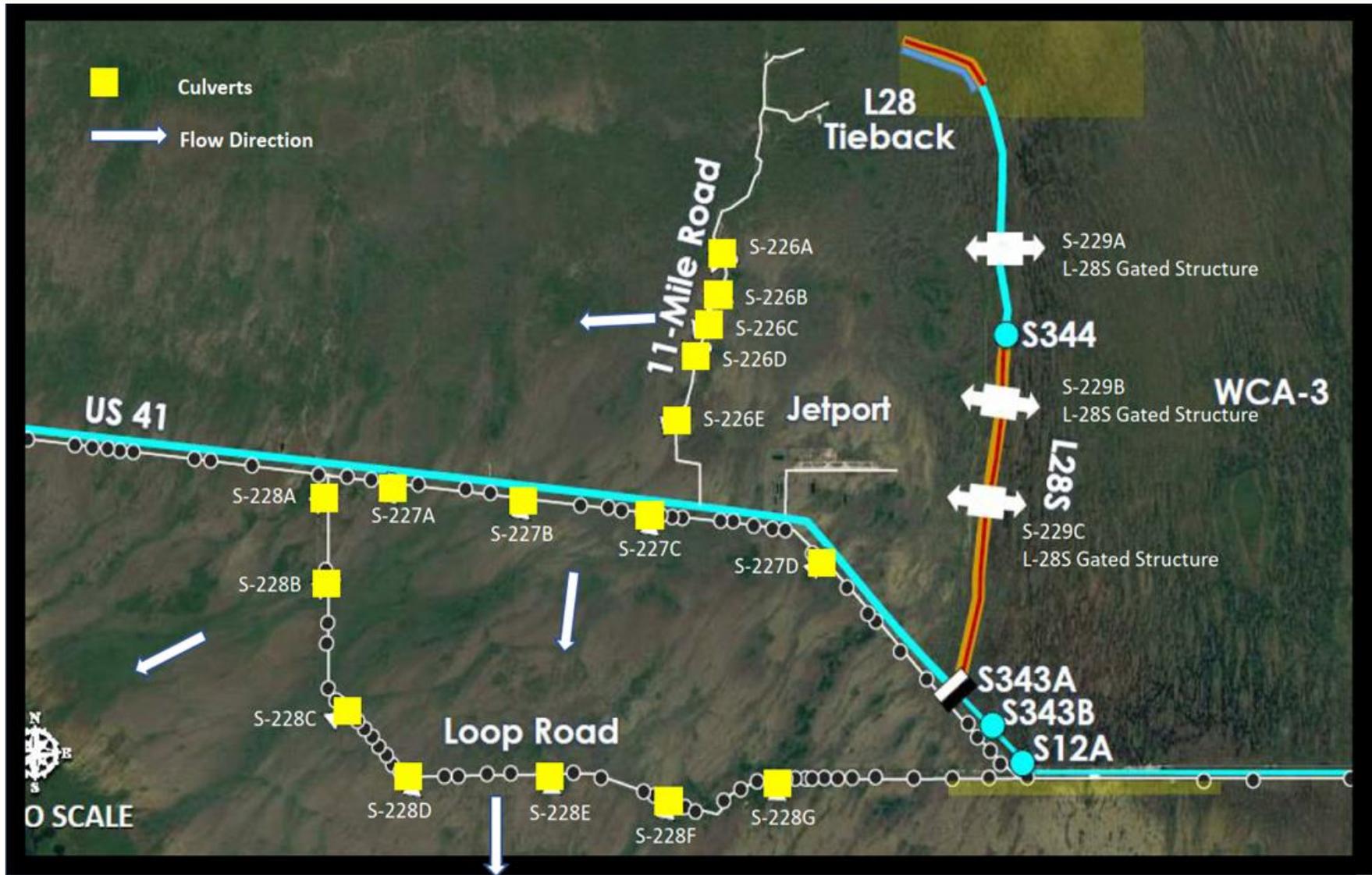
Legal form approved:
By:

District Clerk/Secretary

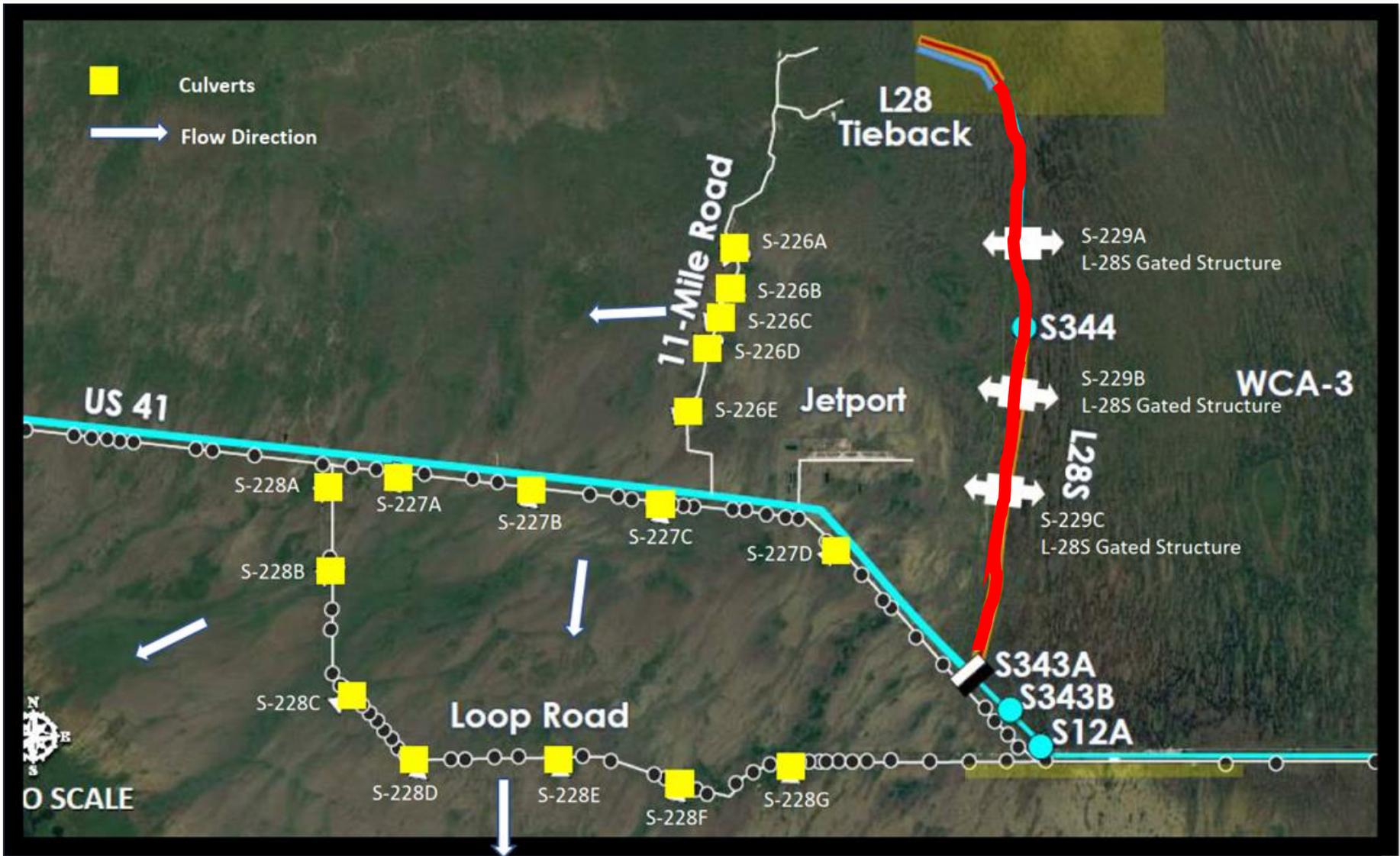
Office of Counsel

Print name:

L-28 Power Conduit Location Map



L-28 Power Conduit Distribution Map



— New Power Distribution Culvert



SOUTH FLORIDA WATER MANAGEMENT DISTRICT NOTICE OF INTENT TO AWARD

RFB No.: RFB 6000001425	Title: L-28 POWER CONDUIT PROJECT, MIAMI—DADE COUNTY, FL
SBE Subcontracting Goal: 25%	Opening Date: 6/27/2023
Total Bids Received: 5	Advertised Date: 5/25/2023
Bids Received from SBEs: 2	Advertisement: The Miami Herald
Total Number of Planholders: 23	
Total SBE Planholders: 7	
Contract Specialist: Ken Beaty	
Project Manager: Octavio Castillo	

BIDDERS	BID AMOUNT
TB POWER CREATION, LLC	\$1,898,335.00
HYPOWER, LLC	\$1,965,099.00
PHILLIPS & JORDAN, INC.	\$2,673,279.75
EXPERT CONSTRUCTION MANAGERS, INC.	\$2,722,000.00
FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	\$4,600,000.00

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.

Project Manager - Attach detailed justification that recommended bidder is responsive and responsible.	1.	_____ Project Manager	07/06/2023
Recommendation for award to low bidder? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2.	_____ Section Administrator	7/6/23
If no, recommend award to: _____ HYPOWER LLC	3.	_____ Bureau Chief	7/06/2023
Basis of recommendation: <u>HYPOWER LLC is responsive and responsible to this solicitation.</u> _____ _____	4.	_____ Division Director	7/06/2023
	5.	_____ Contract Specialist	Date
	6.	_____ Contract Manager	Date
	7.	_____ Office of Counsel	Date
Governing Board approval of award or contract required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.	_____ Procurement Bureau Chief	Date

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

Posting Date: _____
Posting Time: _____
Initials: _____

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, Engineering, Construction & Modeling

DATE: July 13, 2023

SUBJECT: STA-1E Cell 2 - Outflow Structure Emergency Power Generator, Palm Beach County

Agenda Item Background:

The STA-1E Cell 2 - Outflow Structure Emergency Power Generator Project will improve the District's ability to manage operations during power outages. Currently, in anticipation of power outages that would leave the STA-1E Cell 2 gates inoperable, the Cell 2 discharge gates are opened and then held open during storm events. This causes a rapid drawdown of Cell 2 and uncontrolled flows during storm events which have caused extensive erosion to the cell, compromising the cell's water quality treatment performance. This project involves retrofitting S-365B with permanent backup power, a new generator building, and miscellaneous site-civil improvements. Once complete, the flows through Cell 2 can be managed in a manner that supports treatment performance.

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

Additional Item Background:

Core Mission and Strategic Priorities:

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

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2023-0705](#)

[Backup Document](#)

[Bid Tab Form](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 415-day contract with Expert Construction Managers, Inc., the lowest responsive and responsible bidder, for the STA-1E Cell 2 - Outflow Structure Emergency Generator Project, in the amount of \$2,177,000, for which \$300,000 in dedicated funds (Everglades Trust Fund) is budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004792)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a 415-day contract with Expert Construction Managers, Inc., the lowest responsive and responsible bidder, for the STA-1E Cell 2 - Outflow Structure Emergency Generator Project, in the amount of \$2,177,000.

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 contract with Expert Construction Managers, Inc. for the STA-1E Cell 2 - Outflow Structure Emergency Generator Project, in the amount of \$2,177,000, for which \$300,000 in dedicated funds (Everglades Trust Fund) are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004792)

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

PASSED and **ADOPTED** this 13th day of July, 2023.

Background



Figure 1 (Facing East):
 Nov. 2020, post Tropical Storm Eta
 Scouring & vegetation damage to cell treatment areas



Figure 2 (Facing East):
 Nov. 2020, post Tropical Storm Eta
 Sediment and boat ramp damage at collection canal



SOUTH FLORIDA WATER MANAGEMENT DISTRICT NOTICE OF INTENT TO AWARD

RFB No.: 6000001403	Title STA-1E CELL 2 - OUTFLOW STRUCTURE EMERGENCY GENERATOR
SBE Subcontracting Goal: 25%	Opening Date: 5/31/2023
Total Bids Received: 2	Advertised Date: 5/1/2023
Bids Received from SBEs: 1	Advertisement: PALM BEACH POST
Total Number of Planholders: 27	
Total SBE Planholders: 12	
Contract Specialist: Gina Colagiacomo	
Project Manager: Denys Purdy	

BIDDERS	AMOUNT
EXPERT CONSTRUCTION MANAGERS, INC.	\$2,177,000.00
DOUGLAS N. HIGGINS, INC.	\$2,586,240.00

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.

Project Manager - Attach detailed justification that recommended bidder is responsive and responsible. Recommendation for award to low bidder? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, recommend award to: _____ Basis of recommendation: _____ _____ _____ Governing Board approval of award or contract required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">1.</td> <td style="width: 75%; border-bottom: 1px solid black; text-align: center;"></td> <td style="width: 20%; text-align: center;">6/1/23</td> </tr> <tr> <td></td> <td style="text-align: center;"><i>Project Manager</i></td> <td style="text-align: center;"><i>Date</i></td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="border-bottom: 1px solid black; text-align: center;">Section Administrator</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="border-bottom: 1px solid black; text-align: center;"></td> <td style="text-align: center;">6/1/23</td> </tr> <tr> <td></td> <td style="text-align: center;"><i>Bureau Chief</i></td> <td style="text-align: center;"><i>Date</i></td> </tr> <tr> <td style="text-align: center;">4.</td> <td style="border-bottom: 1px solid black; text-align: center;"></td> <td style="text-align: center;">6/1/23</td> </tr> <tr> <td></td> <td style="text-align: center;"><i>Lucine Dadian</i></td> <td style="text-align: center;"><i>Date</i></td> </tr> <tr> <td style="text-align: center;">5.</td> <td style="border-bottom: 1px solid black; text-align: center;">Contract Specialist</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center;">6.</td> <td style="border-bottom: 1px solid black; text-align: center;">Contract Manager</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center;">7.</td> <td style="border-bottom: 1px solid black; text-align: center;">Office of Counsel</td> <td style="text-align: center;">Date</td> </tr> <tr> <td style="text-align: center;">8.</td> <td style="border-bottom: 1px solid black; text-align: center;">Procurement Bureau Chief</td> <td style="text-align: center;">Date</td> </tr> </table>	1.		6/1/23		<i>Project Manager</i>	<i>Date</i>	2.	Section Administrator	Date	3.		6/1/23		<i>Bureau Chief</i>	<i>Date</i>	4.		6/1/23		<i>Lucine Dadian</i>	<i>Date</i>	5.	Contract Specialist	Date	6.	Contract Manager	Date	7.	Office of Counsel	Date	8.	Procurement Bureau Chief	Date
1.		6/1/23																																
	<i>Project Manager</i>	<i>Date</i>																																
2.	Section Administrator	Date																																
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4.		6/1/23																																
	<i>Lucine Dadian</i>	<i>Date</i>																																
5.	Contract Specialist	Date																																
6.	Contract Manager	Date																																
7.	Office of Counsel	Date																																
8.	Procurement Bureau Chief	Date																																

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

Posting Date: _____
Posting Time: _____
Initials: _____

MEMORANDUM

TO: Governing Board Members

FROM: Candida Heater, Administrative Services, Budget Bureau

DATE: July 13, 2023

SUBJECT: Amendment to the Adopted Fiscal Year 2022-2023 Budget to Recognize Specific Appropriations from the 2023 Florida Legislative Session

Agenda Item Background:

The Governor signed into the Laws of Florida, Chapter 2023-239 Senate Bill No. 2500 General Appropriations Act (GAA). Within includes Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay Everglades Restoration from the Land Acquisition Trust Fund that included \$58,000,000 for Restoration Strategies Regional Water Quality Plan. These intergovernmental funds were not included in the District's Fiscal Year 2022-2023 Adopted Budget. Pursuant to the requirements of Section 373.536(4)(c), Florida Statutes - If the district receives unanticipated funds after the adoption of the final budget, the final budget may be amended, following review and approval by the Executive Office of the Governor, by including such funds, if notice of intention to amend is provided to the Legislative Budget Commission and is published in the notice of the governing board meeting at which the amendment will be considered, pursuant to Section 120.525, Florida Statutes. The notice must set forth a summary of the proposed amendment. The District anticipates requiring from the 2023 GAA Specific Appropriation 1685 \$58,000,000 from the Department of Environmental Protection to facilitate and support payment of invoices for Restoration Strategies Projects (STA 1W Exp #2, C-139 FEB, G-341 Conveyance Features, and Science Plan). The District's Fiscal Year 2023-2024 Tentative Budget will be reduced by the respective amounts, if approved, and the remaining balance of the specific appropriations will remain in the District's Fiscal Year 2023-2024 Budget subject to Governing Board approval and adoption September 26, 2023.

Additional Item Background:

Core Mission and Strategic Priorities:

These projects will support the District's mission Restoration of Water Resources and Ecosystems: Safeguarding and Restoring South Florida's Delicate Ecosystem.

Funding Source:

The funding source is the 2023 Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay Everglades Restoration from the Land Acquisition Trust Fund.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

Resolution No. 2023-0706

Resolution Exhibit A

Backup Document

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to implement from the 2023 Legislative Session Senate Bill 2500 General Appropriations Act Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay Everglades Restoration from the Land Acquisition Trust Fund in an amount of \$58,000,000 for Restoration Strategies Regional Water Quality Plan; and authorize an amendment to the Adopted Fiscal Year 2022-2023 budget; providing an effective date.

WHEREAS, The Governor signed into the Laws of Florida, Chapter 2023-239 Senate Bill No. 2500 which includes, Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay Everglades Restoration from the Land Acquisition Trust Fund that included \$58,000,000 for Restoration Strategies Regional Water Quality Plan; and

WHEREAS, the Executive Director of the District, or Designee, is authorized to request distribution, transfer, release, and reimbursement of appropriations, through the General Appropriations Acts, consistent with Florida Statutes including Chapter 216, Chapter 373, and Chapter 375; and

WHEREAS, the Governing Board of the District on September 20, 2022, adopted Resolution No. 2022 - 0924 "Adopting the Final Budget for Fiscal Year 2022-2023"; and

WHEREAS, the Governing Board of the District authorizes an amendment to the Adopted Fiscal Year 2022-2023 Budget to recognize \$58,000,000 of Intergovernmental Revenue from the Department for Specific Appropriation 1685, and Specific Appropriation 1655F; and

WHEREAS, pursuant to Section 373.536(4), Florida Statutes, if the District receives unanticipated funds after the adoption of the final budget, the final budget may be amended, following review and approval by the Executive Office of the Governor; and

WHEREAS, pursuant to Section 373.536(4), Florida Statutes, the notice of intention to amend was published in the notice of the Governing Board meeting at which the Budget Amendment will be considered; and

WHEREAS, implementation of this Budget Amendment is contingent upon approval by the Executive Office of the Governor; and

WHEREAS, consistent with specific appropriation 1685 and in accordance with the procedures set forth in the executed agreements, the DEP shall disburse to the District \$58,000,000.

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

Section 1. The Governor signed into the Laws of Florida, Chapter 2023-239 Senate Bill No. 2500 General Appropriations Act which includes, Specific Appropriation 1685 Grants and Aids to Local Governments and Nonstate Entities - Fixed Capital Outlay Everglades Restoration from the Land Acquisition Trust Fund that included \$58,000,000 for Restoration Strategies Regional Water Quality Plan.

Section 2. The Governing Board of the South Florida Water Management District does hereby authorize the Executive Director of the District, or Designee, to execute funding agreements with the Florida Department of Environmental Protection and to request distribution, transfer, release, and reimbursement to implement Specific Appropriation 1685. Any such reimbursement requests are hereby authorized.

Section 3. Funds disbursed from the DEP to the District to implement Specific Appropriation 1685 shall be subject to the requirements of the Section 215.97, Florida Statutes, (The Florida Single Audit Act) and Section 216.181(16)(b), Florida Statutes.

Section 4. The Governing Board of the District hereby approves amending the Adopted Fiscal Year 2022-2023 Budget as presented in Exhibit "A", which is attached hereto and made part hereof.

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

PASSED and **ADOPTED** this 13th day of July, 2023.

ATTACHMENT A
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
RESOLUTION NO. 2023 - 0706
FISCAL YEAR 2022-2023 BUDGET AMENDMENT

	GENERAL FUND	TOTAL SPECIAL REVENUE FUNDS	TOTAL CAPITAL PROJECTS FUNDS	INTERNAL SERVICE FUNDS	TRUST & AGENCY FUND	TOTAL FINAL BUDGET
ESTIMATED REVENUES, TRANSFERS AND BALANCES						
Estimated Fund Balance and Net Assets						
Fund Balance, beginning of year (Net of Encumbrances)	22,411,561	122,102,916	35,005,122	-	16,730,142	196,249,741
Net Assets, beginning of year	-	-	-	14,071,840	-	14,071,840
Sub-Total	22,411,561	122,102,916	35,005,122	14,071,840	16,730,142	210,321,581
Encumbrances Funded By Future Cash Reimbursement	394,916	84,381,019	497,863,422	-	-	582,639,357
Encumbrances Funded By Fund Balance	20,016,542	44,636,225	117,496,091	270,653	-	182,419,511
Total Estimated Fund Balance and Net Assets, beginning of year	42,823,019	251,120,160	650,364,635	14,342,493	16,730,142	975,380,449
Estimated Revenues						
	Millages					
Ad Valorem- District-wide	0.0948	123,639,321	-	-	-	123,639,321
Ad Valorem- Okeechobee Basin	0.1026	-	121,754,636	-	-	121,754,636
Ad Valorem- Big Cypress Basin	0.0978	-	11,493,445	-	-	11,493,445
Ad Valorem - Everglades Restoration	0.0327	-	38,804,840	-	-	38,804,840
Agricultural Privilege Taxes		-	10,807,300	-	-	10,807,300
Intergovernmental		4,554,602	129,175,182	605,416,703	-	739,146,487
Licenses, Permits & Fees		3,491,000	98,000	-	-	3,589,000
Investment Income		690,541	1,711,614	1,325,325	47,166	3,774,646
Miscellaneous		1,340,661	4,205,016	-	-	5,545,677
Health Insurance		-	-	32,964,714	-	32,964,714
Self Insurance		-	-	2,631,885	-	2,631,885
Total Estimated Revenues		133,716,125	318,050,033	606,742,028	35,643,765	1,094,151,951
Fiscal Year 2022-23 Amended Revenue						
<i>Intergovernmental</i>			58,000,000			58,000,000 ¹
Total Amended Estimated Revenues		133,716,125	318,050,033	664,742,028	35,643,765	1,152,151,951
Operating Transfers (Net)	(16,481,533)	(54,512,802)	70,994,335	-	-	-
TOTAL ESTIMATED REVENUES, TRANSFERS AND FUTURE DESIG. BALANCES	\$160,057,611	\$514,657,391	\$1,386,100,998	\$49,986,258	\$16,730,142	\$2,127,532,400
BUDGETED EXPENDITURES AND ENCUMBRANCES						
Administrative Services & Executive Offices						
Water Resources Planning and Monitoring	214,310	313,962	-	10,832,144	-	11,360,416
Land Acquisition, Restoration and Public Works	508,150	496,666	-	-	-	1,004,816
Operation and Maintenance of Lands and Works	5,485,413	14,745,206	62,438,206	13,965,109	-	96,633,934
Regulation	473,746	-	-	4,046,928	-	4,520,674
Outreach	1,332,691	27,000	-	-	-	1,359,691
District Management and Administration	15,905,721	-	-	6,799,584	-	22,705,305
Administrative Services & Executive Offices Total	23,920,031	15,582,834	62,438,206	35,643,765	-	137,584,836
Big Cypress Basin						
Water Resources Planning and Monitoring	-	2,573,670	-	-	-	2,573,670
Land Acquisition, Restoration and Public Works	28,252	-	-	-	-	28,252
Operation and Maintenance of Lands and Works	40,962	173,172	-	-	-	214,134
Outreach	-	31,598	-	-	-	31,598
Big Cypress Basin Total	69,214	2,778,440	-	-	-	2,847,654
Ecosystem Restoration						
Water Resources Planning and Monitoring	376,674	6,099,655	-	-	-	6,476,329
Land Acquisition, Restoration and Public Works	4,253,895	76,795,406	41,950,000	-	-	122,999,301
Operation and Maintenance of Lands and Works	1,563,554	3,055,155	335,890	-	-	4,954,599
Regulation	-	-	-	-	-	-
District Management and Administration	248,278	-	-	-	-	248,278
Ecosystem Restoration Total	6,442,401	85,950,216	42,285,890	-	-	134,678,507 ²
Engineering, Construction & Modeling						
Water Resources Planning and Monitoring	4,697,224	2,504,277	-	-	-	7,201,501
Land Acquisition, Restoration and Public Works	2,447,713	3,205,731	514,554,440	-	-	520,207,884
Operation and Maintenance of Lands and Works	1,712,481	30,218,558	109,978,541	-	-	141,909,580
Regulation	11,352	-	-	-	-	11,352
District Management and Administration	41,077	-	-	-	-	41,077
Engineering, Construction & Modeling Total	8,909,847	35,928,566	624,532,981	-	-	669,371,394 ^{1,2}
Field Operations Division						
Water Resources Planning and Monitoring	148,486	715,102	-	-	-	863,588
Land Acquisition, Restoration and Public Works	53,000	3,257,297	-	-	-	3,310,297
Operation and Maintenance of Lands and Works	9,111,033	101,227,607	2,238,383	-	28,880	112,605,903
Regulation	482,412	-	-	-	-	482,412
District Management and Administration	43,714	8,955	-	-	-	52,669
Field Operations Division Total	9,838,645	105,208,961	2,238,383	-	28,880	117,314,869 ²
Information Technology Division						
Water Resources Planning and Monitoring	3,514,866	79,544	-	-	-	3,594,410
Land Acquisition, Restoration and Public Works	1,727,234	523,732	-	-	-	2,250,966
Operation and Maintenance of Lands and Works	11,383,003	5,922,303	-	-	-	17,305,306
Regulation	3,123,288	-	-	-	-	3,123,288
District Management and Administration	14,057,708	286,993	1,878,229	-	-	16,222,930
Information Technology Division Total	33,806,099	6,812,572	1,878,229	-	-	42,496,900

ATTACHMENT A
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
RESOLUTION NO. 2023 - 0706
FISCAL YEAR 2022-2023 BUDGET AMENDMENT

	GENERAL FUND	TOTAL SPECIAL REVENUE FUNDS	TOTAL CAPITAL PROJECTS FUNDS	INTERNAL SERVICE FUNDS	TRUST & AGENCY FUND	TOTAL FINAL BUDGET
Real Estate & Land Management Division						
Water Resources Planning and Monitoring	-	-	-	-	-	-
Land Acquisition, Restoration and Public Works	-	-	-	-	-	-
Operation and Maintenance of Lands and Works	-	-	-	-	-	-
District Management and Administration	-	-	-	-	-	-
Real Estate & Land Management Division Total	-	-	-	-	-	- ²
Regulation Division						
Water Resources Planning and Monitoring	10,957	-	-	-	-	10,957
Land Acquisition, Restoration and Public Works	-	206,337	-	-	-	206,337
Operation and Maintenance of Lands and Works	16,960	4,500	-	-	-	21,460
Regulation	14,882,575	-	-	-	-	14,882,575
Regulation Division Total	14,910,492	210,837	-	-	-	15,121,329
Water Resources Division						
Water Resources Planning and Monitoring	14,963,447	7,922,876	140,500	-	-	23,026,823
Land Acquisition, Restoration and Public Works	5,924,850	31,147,748	60,420	-	-	37,133,018
Operation and Maintenance of Lands and Works	427,180	1,834,325	104,000	-	-	2,365,505
District Management and Administration	90,721	-	-	-	-	90,721
Water Resources Division Total	21,406,198	40,904,949	304,920	-	-	62,616,067
CERP - Central Service Indirect Costs						
Land Acquisition, Restoration and Public Works	3,332,968	-	-	-	-	3,332,968
District Management and Administration	(3,332,968)	-	-	-	-	(3,332,968)
CERP - Central Service Indirect Costs Total	-	-	-	-	-	-
Reserves/Debt/Fees/Charges						
Water Resources Planning and Monitoring	-	1,672,534	-	-	-	1,672,534
Land Acquisition, Restoration and Public Works	-	-	30,312,127	-	-	30,312,127
Operation and Maintenance of Lands and Works	15,742,735	46,493,951	-	-	-	62,236,686
District Management and Administration	4,600,491	3,541,319	-	-	-	8,141,810
Res/Debt/Fees/Charges Total	20,343,226	51,707,804	30,312,127	-	-	102,363,157
Total Amended Budgeted Expenditures	139,646,153	345,085,179	763,990,736	35,643,765	28,880	1,284,394,713
Encumbrances	20,411,458	129,017,244	615,359,513	270,653	-	765,058,868
TOTAL AMENDED BUDGETED EXPENDITURES AND ENCUMBRANCES	\$160,057,611	\$474,102,423	\$1,379,350,249	\$35,914,418	\$28,880	\$2,049,453,581
NET ASSETS, RESTRICTIONS, COMMITMENTS AND UNASSIGNED						
Net Assets (Self Insurance Fund Actuarial Need)	-	-	-	3,554,908	-	3,554,908
Net Assets (Health Insurance Fund - Fund Balance Utilization)	-	-	-	10,516,932	-	10,516,932
Nonspendable						
Inventory Reserve	-	-	-	-	-	-
Big Cypress Basin	-	264,827	-	-	-	264,827
General Fund	-	-	-	-	-	-
Okeechobee Basin	-	6,030,249	-	-	-	6,030,249
Everglades Restoration Trust	-	4,343	-	-	-	4,343
Land Acquisition Trust	-	47,928	-	-	-	47,928
Save Our Rivers	-	22,464	-	-	-	22,464
Permanent Fund-Principal Portion	-	-	-	-	-	-
Wetlands Mitigation Permanent Fund	-	-	-	-	16,591,639	16,591,639
Restricted for Fiscal Year 2023-24 - Fiscal Year 2026-27						
Big Cypress Basin	-	6,973,314	-	-	-	6,973,314
Florida Bay Seagrass Monitoring	-	29,036	8,613	-	-	37,649
Land Management (Lease Revenue)	-	3,470,707	3,266,543	-	-	6,737,250
Mitigation - Lake Belt	-	9,928,845	873,292	-	-	10,802,137
Mitigation - Wetland	-	13,451,498	2,064,181	-	109,623	15,625,302
Indian River Lagoon Estuarine Projects (IRL Tag)	-	4,789	-	-	-	4,789
LILA Program	-	326,968	-	-	-	326,968
Future Land Acquisition (Surplus Land Sales Revenues)	-	-	537,887	-	-	537,887
Everglades, EAA A2 STA, and O&M Projects	-	-	196	-	-	196
Committed for Fiscal Year 2023-24 - Fiscal Year 2026-27						
District (O&M New Works, recurring shortfall, flood control, mandates & operations)	-	-	37	-	-	37
Total Net Assets, Restrictions and Commitments	-	40,554,968	6,750,749	14,071,840	16,701,262	78,078,819
Unassigned	-	-	-	-	-	-
TOTAL BUDGETED EXPENDITURES, ENCUMBRANCES, NET ASSETS, RESTRICTIONS, COMMITMENTS AND UNASSIGNED	\$160,057,611	\$514,657,391	1,386,100,998	49,986,258	16,730,142	2,127,532,400

Notes:

1. \$58 million amendment: Engineering, Construction & Modeling Division, Capital Projects Fund, Land Acquisition, Restoration and Public Works Program
2. Intervening District Reorganization - net zero impact.



RON DESANTIS
GOVERNOR

STATE OF FLORIDA
Office of the Governor

THE CAPITOL
TALLAHASSEE, FLORIDA 32399-0001

www.flgov.com
850-717-9418

EOG# O-0060

June 21, 2023

Mr. Drew Bartlett, Executive Director
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33406

Dear Mr. Bartlett:

Pursuant to your request, Budget Amendment #1, dated June 20, 2023 and in accordance with section 373.536(4)(c), *Florida Statutes*, the Executive Office of the Governor hereby approves the amendment to your district's final budget for Fiscal Year 2022-23 as requested.

Sincerely,

A handwritten signature in blue ink that reads "HG for BG".

Brandi Gunder, Deputy Director of Budget
Office of Policy and Budget

BG/ggh

cc: Department of Environmental Protection, Division of Administrative Services

M E M O R A N D U M

TO: Governing Board Members

FROM: Candida Heater, Administrative Services, Budget Bureau

DATE: July 13, 2023

SUBJECT: Fiscal Year 2023-2024 Proposed Tentative Budget and Submission of Proposed Millage Rates

Agenda Item Background:

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

Pursuant to Section 200.065, Florida Statutes, the District shall, on or before August 4 of each year, advise each county property appraiser within the boundaries of the District of its proposed millage rates for inclusion in the notice of proposed property taxes.

Additional Item Background:

Authorization to submit the Fiscal Year 2023-2024 proposed millage rates for TRIM (truth in millage) purposes by the Governing Board is a key milestone within the annual budget development cycle for statutory compliance.

Below, for the Governing Board’s consideration are the Fiscal Year 2023-2024 proposed millage rates based on the certification of taxable values from all 16 county property appraisers within the District boundaries:

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

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

For illustration purposes, based on the proposed millage rates, a homeowner residing within the Okeechobee Basin (all counties except Collier and northwest Monroe) with a home assessed at \$150,000 less a \$50,000 homestead exemption will pay \$23.01 in property taxes to the District this upcoming fiscal year. A comparable homeowner in the Big Cypress Basin will pay \$19.26 in property taxes.

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

Core Mission and Strategic Priorities:

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

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2023-0707](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to consider the Fiscal Year 2023-2024 proposed tentative budget update and authorize submittal of the Fiscal Year 2023-2024 proposed millage rates to county property appraisers for inclusion in the notice of proposed property taxes; providing an effective date.

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

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

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

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

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

Section 1. Pursuant to Section 373.536, Florida Statutes, the Fiscal Year 2023-2024 proposed tentative budget shall be received on or before July 15.

Section 2. Pursuant to Section 200.065, Florida Statutes, the millage rates for the District are to be calculated based on the certification of taxable values from all 16 county property appraisers within the District boundaries.

Section 3. The Governing Board of the South Florida Water Management District hereby authorizes submission of the Fiscal Year 2023-2024 proposed millage rates to the property appraisers for inclusion in the notice of proposed property taxes:

Section 4. The Governing Board of the South Florida Water Management District hereby authorizes submission of the delayed or recalculated millage rates as the Fiscal Year 2023-2024 proposed millage rates to the county

property appraisers for inclusion in the notice of proposed property taxes when a county property appraiser recertifies values to the District beyond the initial July 1 statutory deadline.

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

PASSED and **ADOPTED** this 13th day of July, 2023.

MEMORANDUM

TO: Governing Board Members

FROM: Mike Kirkland, Field Operations Division

DATE: July 13, 2023

SUBJECT: Amendment to Agreement with the University of Florida Board of Trustees for Improving Burmese Python Removal Strategies

Agenda Item Background:

Established populations of invasive reptiles within the natural areas of southern Florida have resulted in native wildlife decline, biodiversity loss, socio-economic impacts, and threaten restoration goals throughout the Greater Everglades. Specifically, the Burmese python (*Python molurus bivittatus*) is responsible for the most significant ecological and restoration disruptions in south Florida. Detecting this cryptic species remains the largest obstacle to control its impacts.

The District and the University of Florida Board of Trustees entered into an agreement to develop novel approaches designed to attract Burmese pythons that could increase detection rates and aid in removal strategies. Specifically, the agreement aims to evaluate the potential for animal scents to lure pythons to reveal themselves from cover. This amendment will extend the term by three months, in an amount not-to-exceed \$77,551, for a total revised agreement amount of \$327,535.

Additional Item Background:

Core Mission and Strategic Priorities:

Control of invasive Burmese pythons is a regional priority for the District and agency partners. Cost effective management tools for this species is needed to both restore the ecological integrity of the Greater Everglades and help ensure long-term sustainability of natural resource management programs.

Funding Source:

This is an amendment to Agreement 4600004590 to extend the term by three months, in an amount not-to-exceed \$77,551, for a total revised agreement amount of \$327,535, of which \$140,162.06 in Ad Valorem or Lease Revenue funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets.

Staff Contact and/or Presenter:

Richard Virgil, rvirgil@sfwmd.gov, 561-682-6759
Michael Kirkland, mikirkla@sfwmd.gov, 561-682-6745

ATTACHMENTS:

[Resolution No. 2023-0708](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2023 - 07XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an amendment to Agreement No. 4600004590 with the University of Florida Board of Trustees for research on enhanced control of the invasive Burmese python, to extend the term by three months, in an amount not-to-exceed \$77,551.00, for a total revised agreement amount of \$327,535.00, for which \$140,162.06 in Ad Valorem or Lease Revenue funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Agreement No. 4600004590-A01)

WHEREAS, the Governing Board of the South Florida Water Management District has determined that it is necessary, appropriate, and in the public interest to authorize entering into an amendment to Agreement No. 4600004590 with the University of Florida Board of Trustees for research on enhanced control of the invasive Burmese python, to extend the term by three months, in an amount not-to-exceed \$77,551.00, for a total revised agreement amount of \$327,535.00, for which \$140,162.06 in Ad Valorem or Lease Revenue funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budget.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into an amendment to Agreement No. 4600004590 with the University of Florida Board of Trustees for research on enhanced control of the invasive Burmese python, to extend the term by three months, in an amount not-to-exceed \$77,551.00, for a total revised agreement amount of \$327,535.00, for which \$140,162.06 in Ad Valorem or Lease Revenue funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budget. (Agreement No. 4600004590-A01)

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

PASSED and ADOPTED this 13th day of July, 2023.

MEMORANDUM

TO: Governing Board Members

FROM: , Office of Communications & Public Engagement

DATE: July 13, 2023

SUBJECT: eComments received for item number 09 and final presentations for item numbers 21, 22, and 23.

Agenda Item Background:

Staff Contact and/or Presenter:

ATTACHMENTS:

[09 eComment Cardenas](#)

[09 eComment Handwerger](#)

[21 Kirkland Improving Python Removal Strategies](#)

[22 Mitnik Water Conditions Report](#)

[23 Glenn Ecological Conditions Report](#)

Byrd, Rosie

Subject: New eComment for July 2023 Governing Board

From: noreply@granicusideas.com <noreply@granicusideas.com>

Sent: Tuesday, July 11, 2023 9:49 AM

To: Byrd, Rosie <rbyrd@sfwmd.gov>;

Subject: New eComment for July 2023 Governing Board

[Please remember, this is an external email]

[South Florida Water Management District](#)

New eComment for July 2023 Governing Board

Andres Cardenas submitted a new eComment.

Meeting: July 2023 Governing Board

Item: 9) General Public Comment

eComment: I would like to get an update on the C-43 Water Reservoir.

[View and Analyze eComments](#)

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

[Unsubscribe](#) from future mailings

Byrd, Rosie

From: noreply@granicusideas.com
Sent: Monday, July 10, 2023 5:00 PM
To: Byrd, Rosie; Fretwell, Angela
Subject: New eComment for July 2023 Governing Board

[Please remember, this is an external email]

[South Florida Water Management District](#)

New eComment for July 2023 Governing Board

Jeb Handwerger submitted a new eComment.

Meeting: July 2023 Governing Board

Item: 9) General Public Comment

eComment: I'm writing because I'm concerned why the senate is not approving the appointment of Jacqui Thurlow Lippisch who was selected by our Governor. She has done an exemplary job advocating for our waterways. It's wrong that she is being removed over personal politics.

[View and Analyze eComments](#)

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

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Improving Burmese Python Removal Strategies (Amendment to Agreement 4600004590)

Michael Kirkland, M.S.
Senior Invasive Animal Biologist
Python Elimination Program Manager



Governing Board Meeting
July 13, 2023

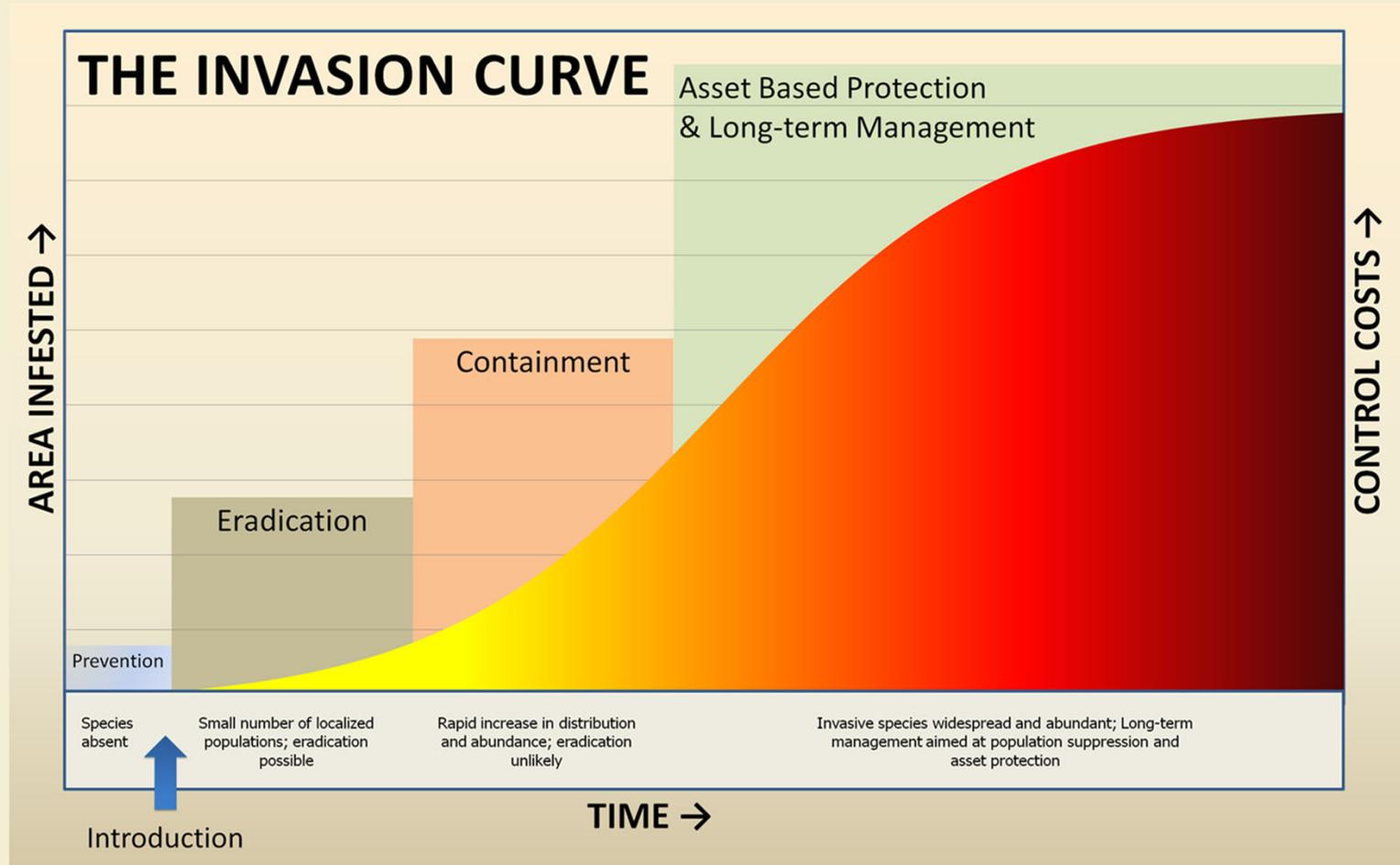
Discussion Topics

- **Burmese Python background**
- **Management strategies**
- **Supporting research**
- **Proposed contract amendment**



Burmese Python Background

- **Maximum length 18ft +**
- **Native to Southeast Asia**
- **Introduced to Florida through exotic pet trade**
 - **Accidental and intentional releases**
 - **Established breeding population**



Management Obstacles

- **Detection**
- **Pythons are cryptic**
- **Occur in remote areas**



Mark Cook, SFWMD

Management Obstacles

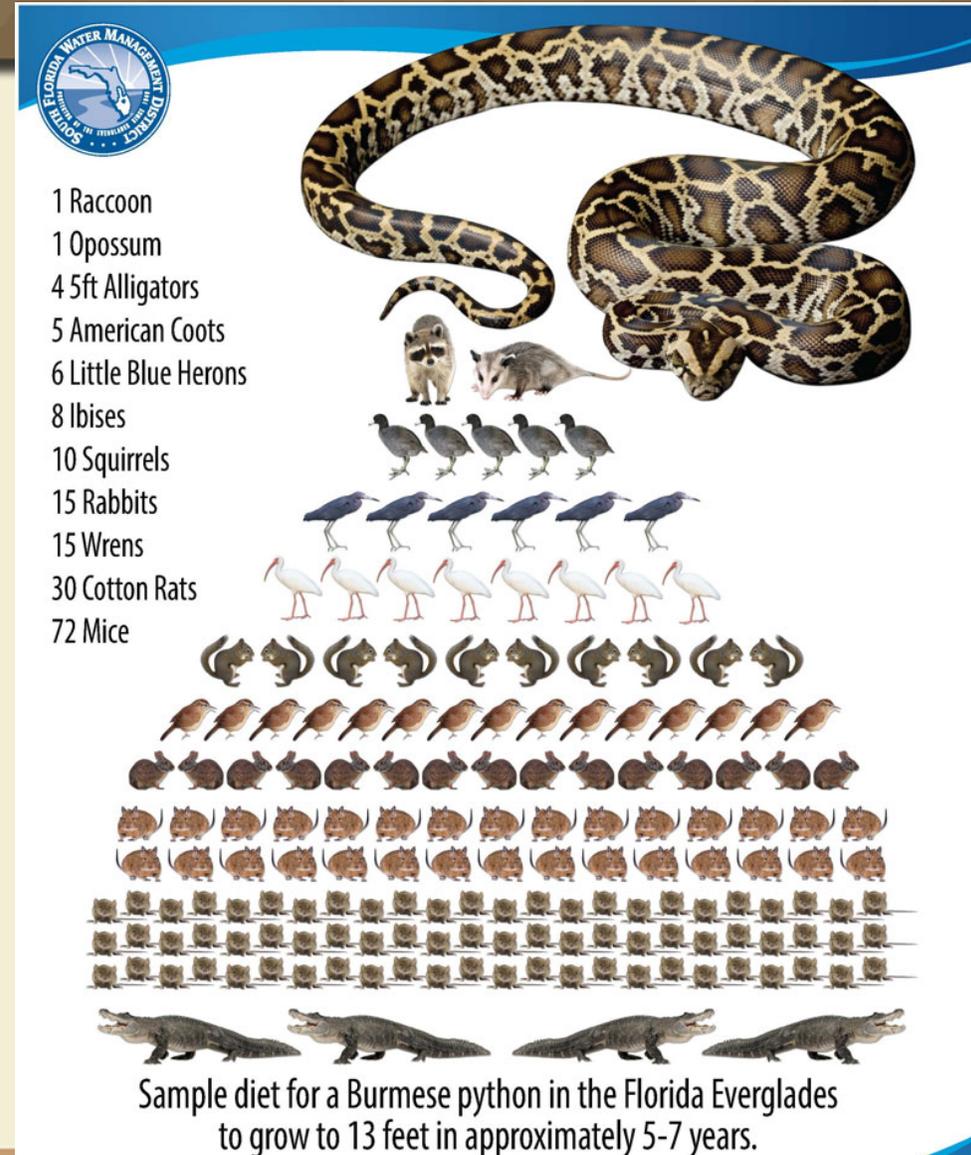


Mark Cook, SFWMD

A closer look

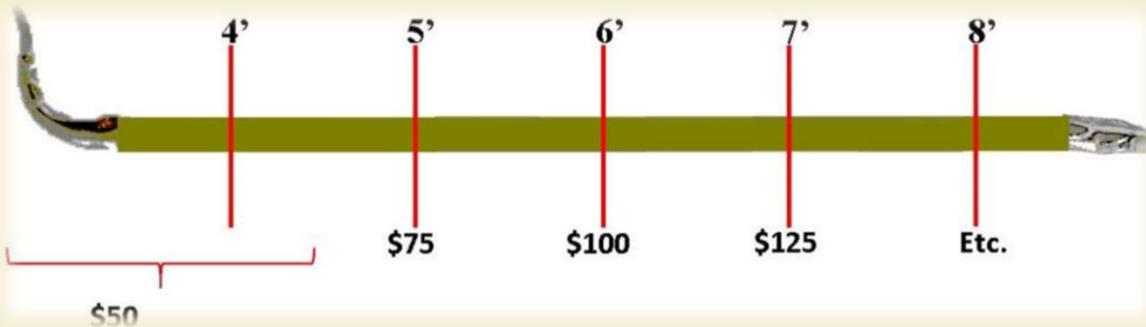
Ecological Impacts

- Severe mammal declines
- Threats to wading bird colonies
- Exotic parasite and pathogen introductions
- Restoration Obstacles



Python Elimination Program

- March 25, 2017 - Present
- 50 contractors
- Paid to survey designated project area
- Additional incentive based on length



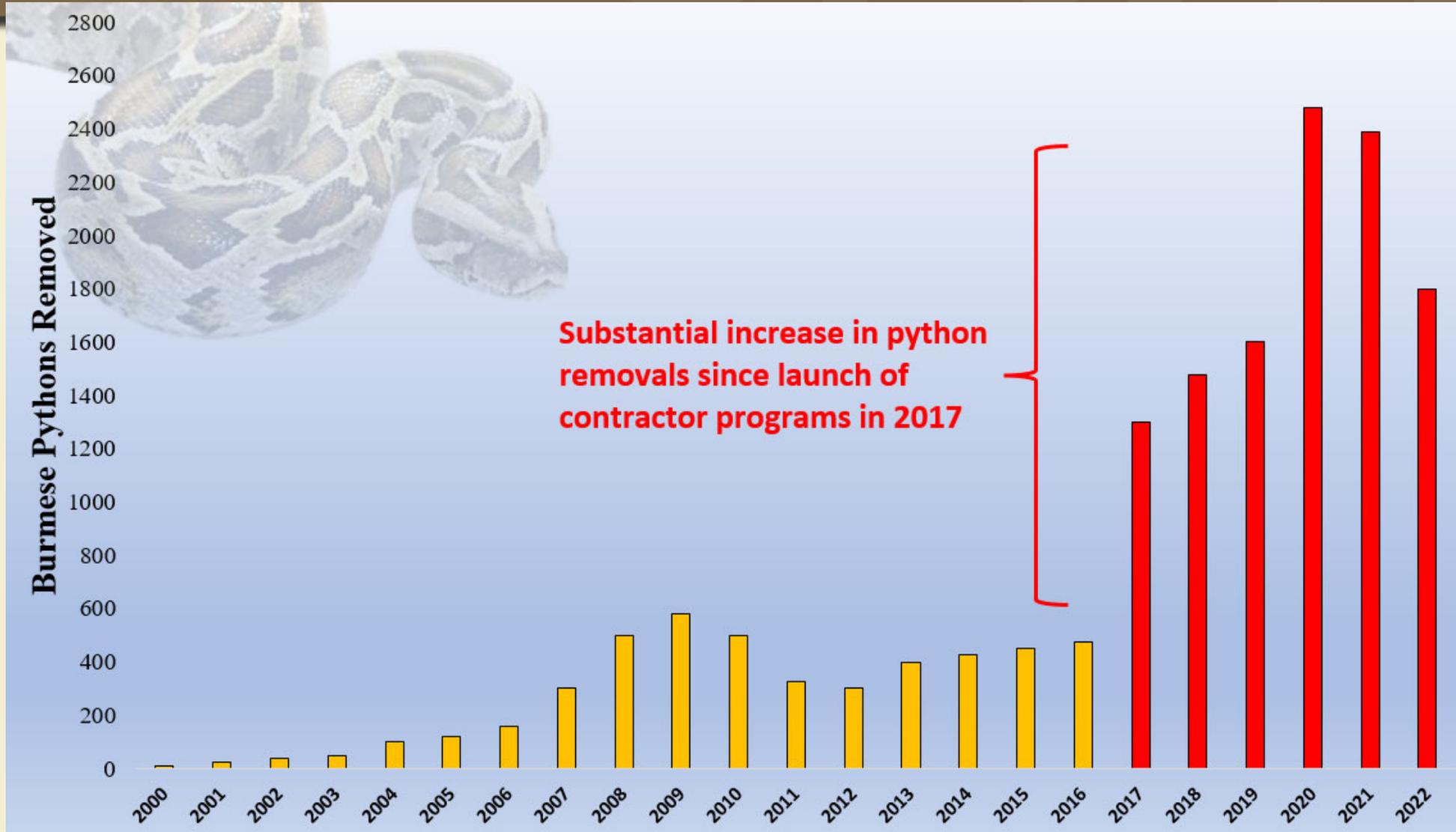
Governor's Directives

August 7, 2019

- ✓ Expand python control efforts
- ✓ Enhance collaboration between interagency partners
- ✓ Hold annual Python Challenges
- ✓ Engage veteran's groups
- ✓ Increase funding for research and development



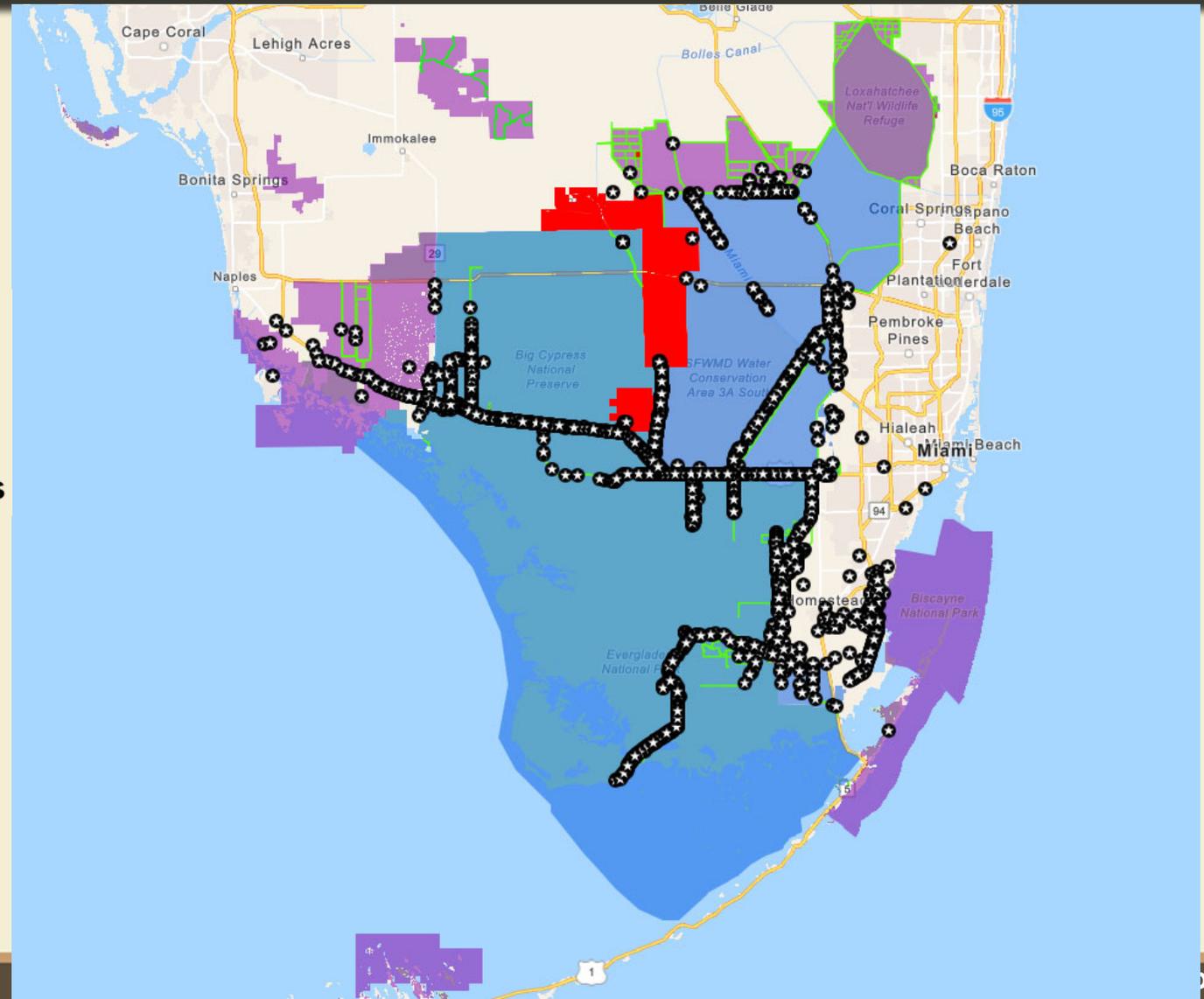
Progress To Date



Program Lands

Legend

-  Restricted Areas
-  Premium Pay Areas
-  Regular Pay Areas
-  Python Capture Locations



4,000,000 acres
6,000 square miles
11 Counties

Detection Needs off the Levees



Rocky Glades

Further Control Strategies

- **Monitoring**
(University of Florida)
- **Telemetry**
(Conservancy of SW Florida, University of Florida, United States Geological Survey)
- **Population studies**
(University of Florida, United States Geological Survey)
- **Outreach**
(University of Florida, Florida Fish and Wildlife Conservation Commission, National Park Service)
- **Attractants**
(University of Florida, United States Fish and Wildlife Service)



Lures Project (Phase 1)

- Currently, detection and removal limited to accessible locations
- May – July, 2021 live rabbits were placed in pens for a field study
- Results: live rabbits cause pythons to aggregate to localized areas



Lures Project (Phase 2)

- 2023 – 2024, additional controls were added to test if rabbit scents alone would lure pythons.
- Next consideration is use of reproductively active female pythons as attractants.
- Scalable vs. Specific asset protection



Questions



Resolution

Authorize entering into an amendment to Agreement No. 4600004590 with the University of Florida Board of Trustees for research on enhanced control of the invasive Burmese python, to extend the term by three months, in an amount not-to-exceed \$77,551.00, for a total revised agreement amount of \$327,535.00, for which \$140,162.06 in Ad Valorem or Lease Revenue funds are budgeted in Fiscal Year 2022-2023 and the remainder is subject to Governing Board approval of future years budgets. (Agreement No. 4600004590-A01)

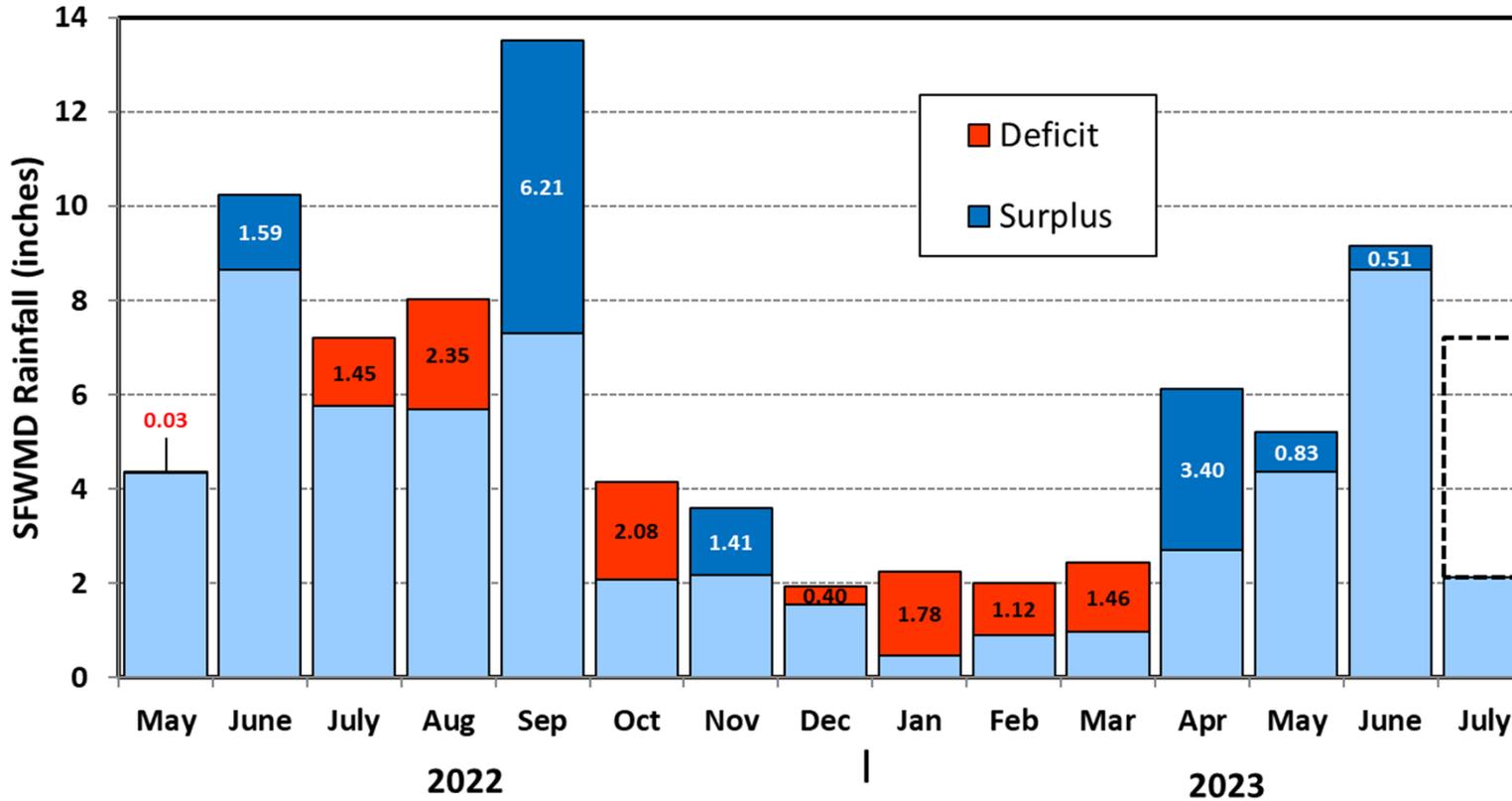
Water Conditions Summary

**South Florida Water Management District
Governing Board Meeting
July 13, 2023**



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

SFWMD Rainfall Distribution Comparison (May 2022 - July 2023)



District Wide Average Rainfall

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

} Wet Season

2022 WET SEASON

- Started 5/13/2022 – Ended 9/28/2022
- May ~ 100%, Jun ~ 120%, Jul ~ 80%, Aug ~ 65%
- Sep 2022 total 13.52", 191% of Normal
- Sep 26-29, Hurricane Ian ~ 5.3"

2022-2023 DRY SEASON

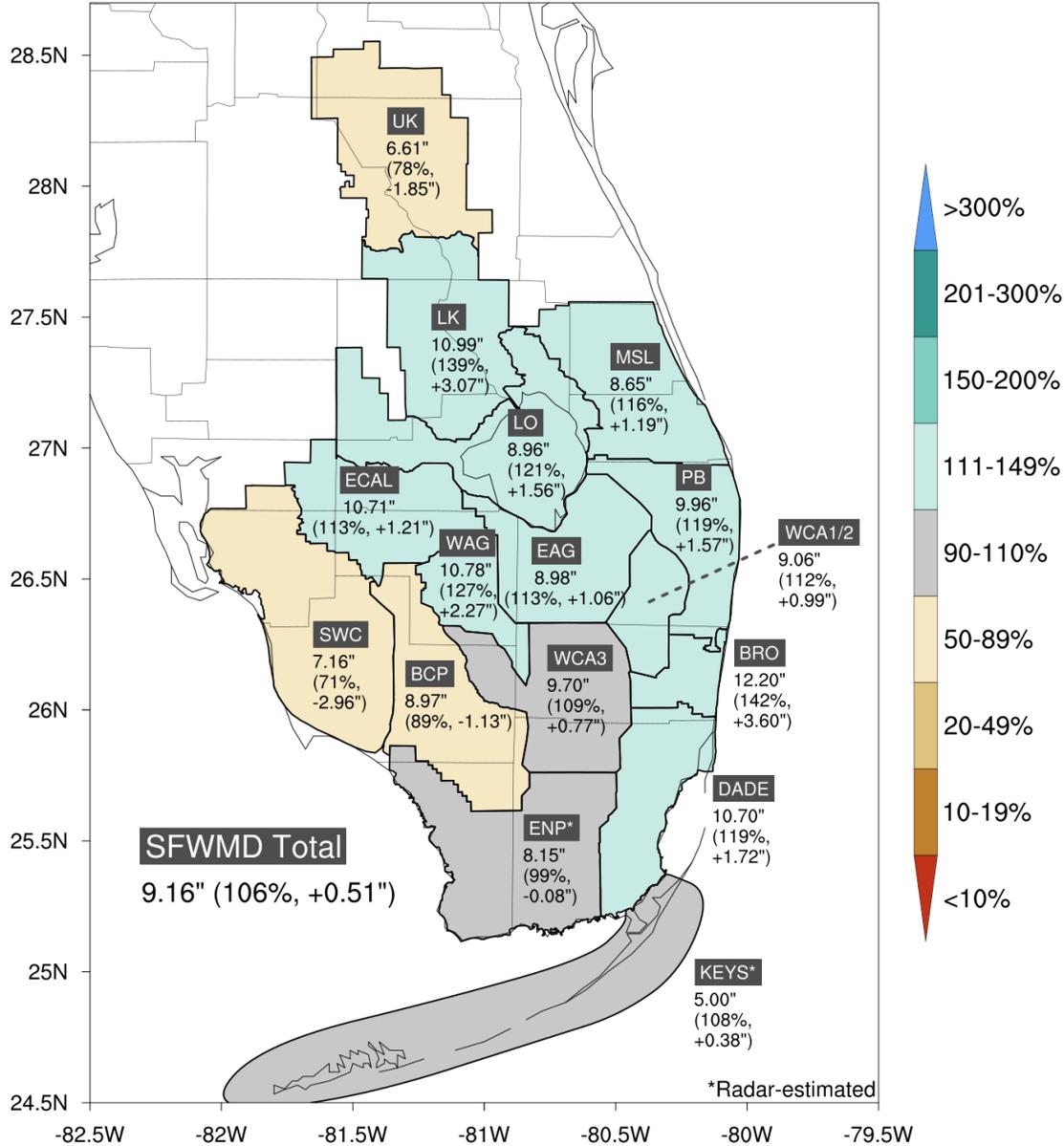
- Started 9/29/2022 and ended 5/13/2023
- Including October, 5/6 full months are below Normal
- 4/6 full months are more than 50% below Normal
- April was ~ 225% normal.

2023 WET SEASON

- Started 5/14/2023
- May 2023 was about ~120% Normal
- June 2023 was near normal (106% Normal)

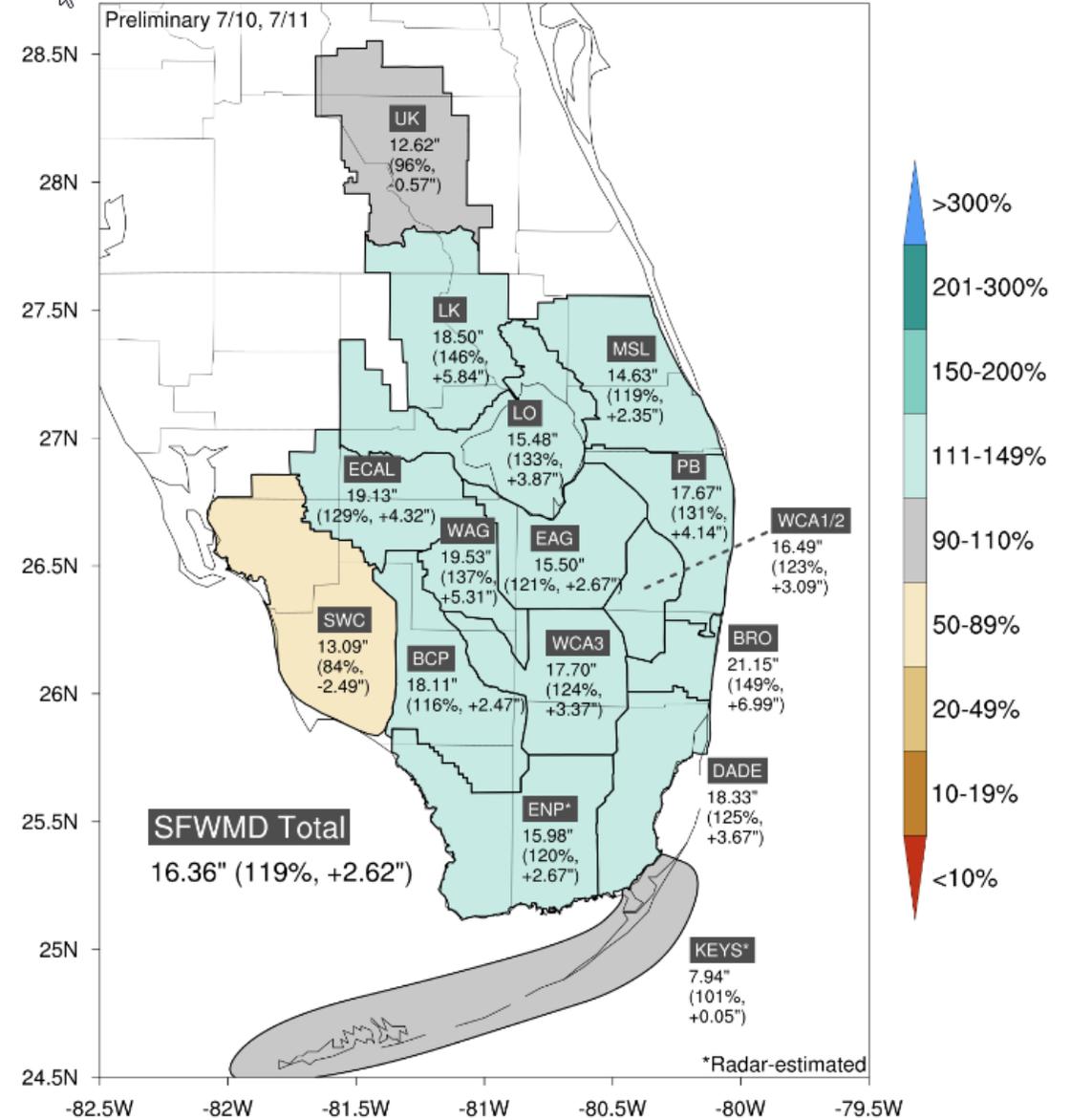
June 2023

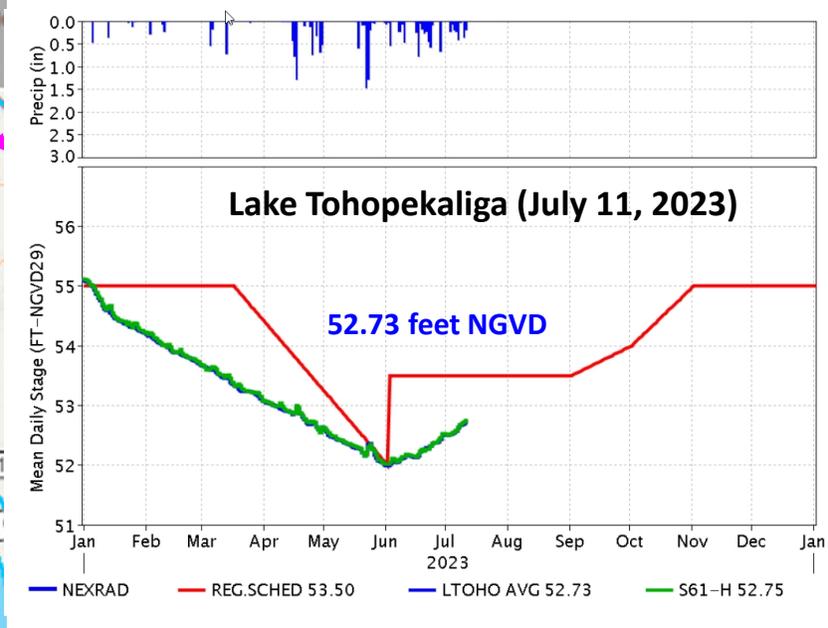
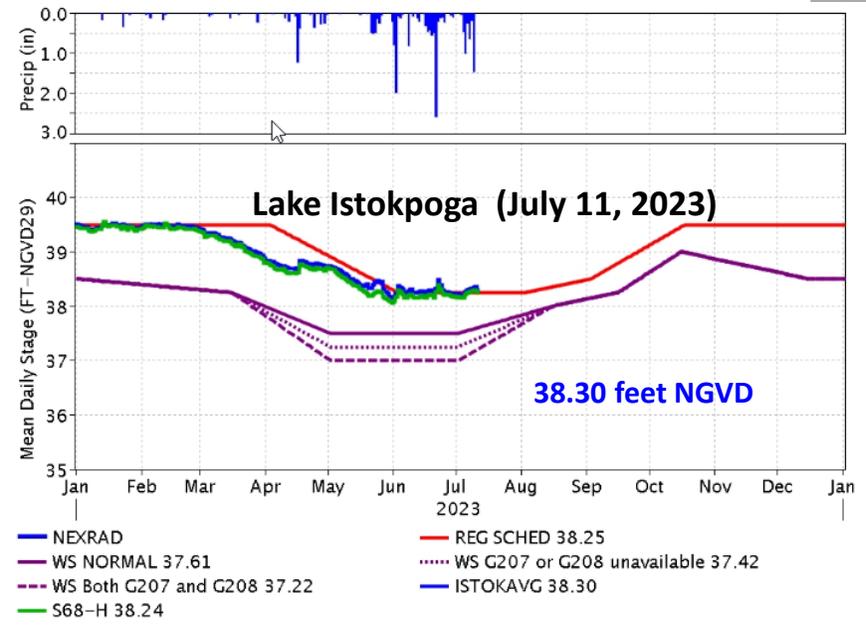
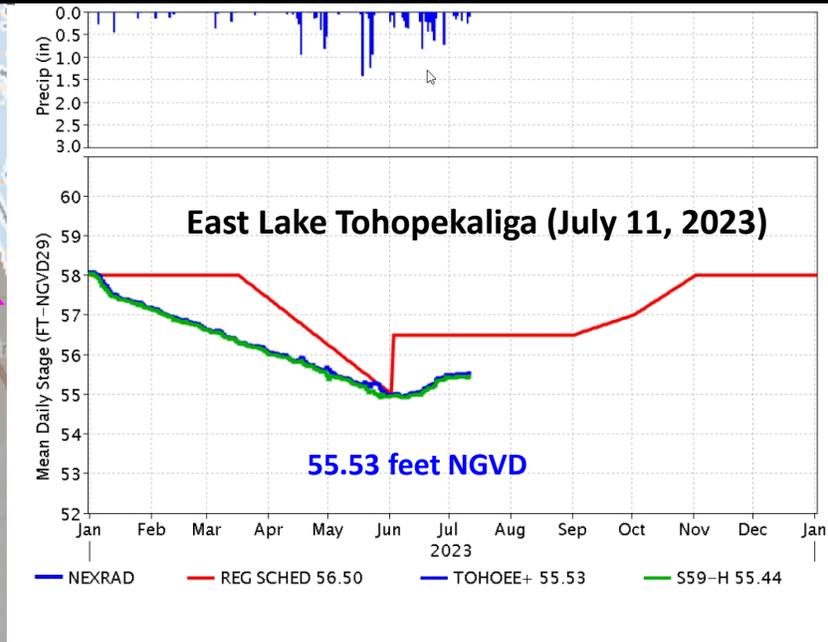
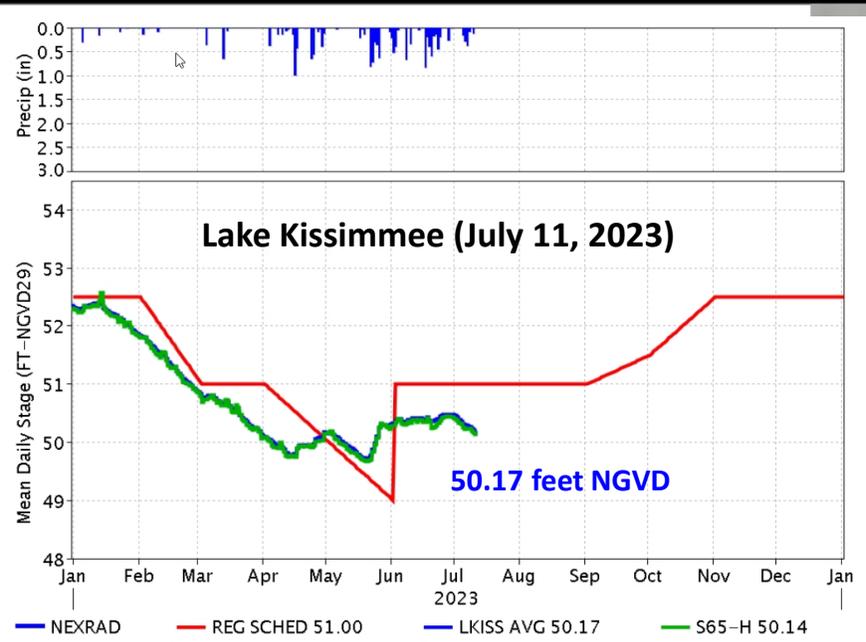
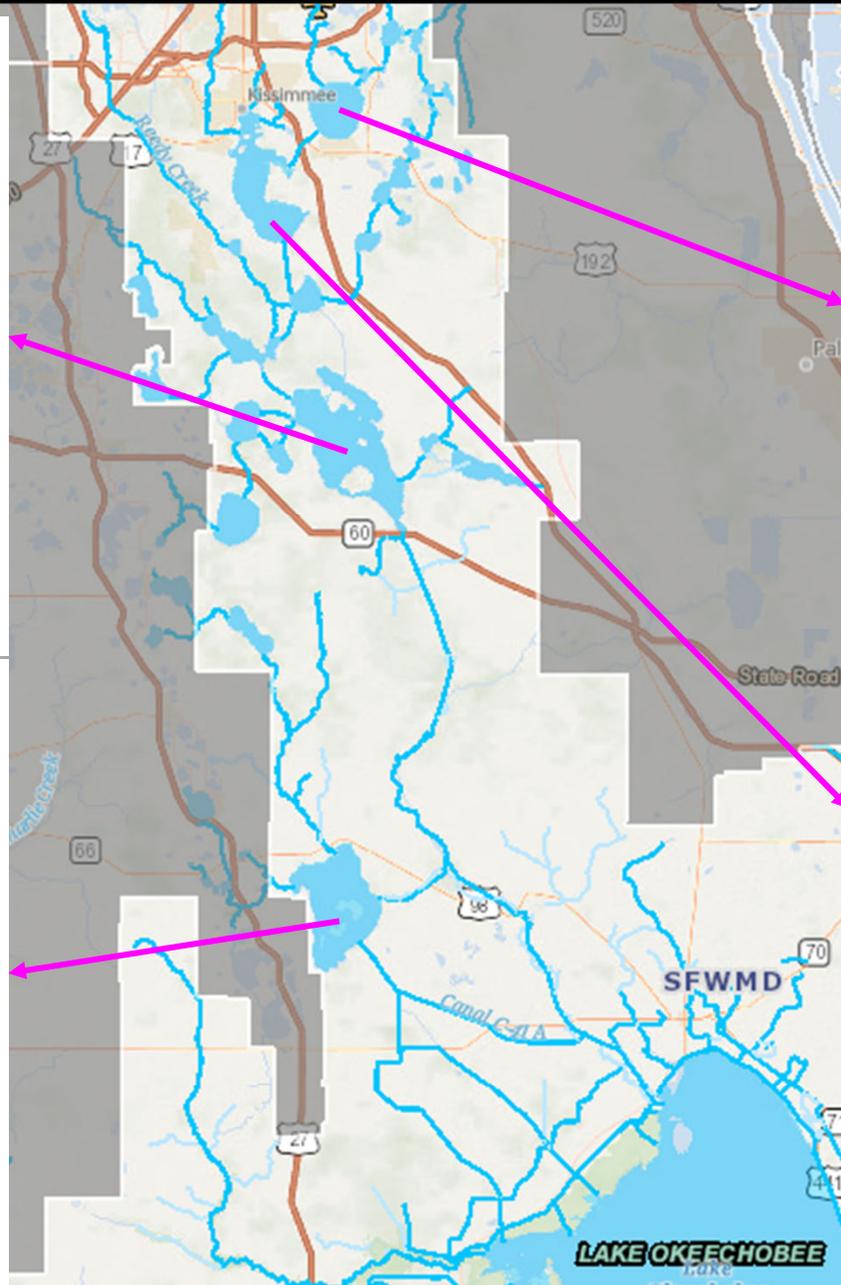
Rainfall, Percent of Normal, and Departures



2023 Dynamic Wet Season (5/14/23 to 7/11/23)

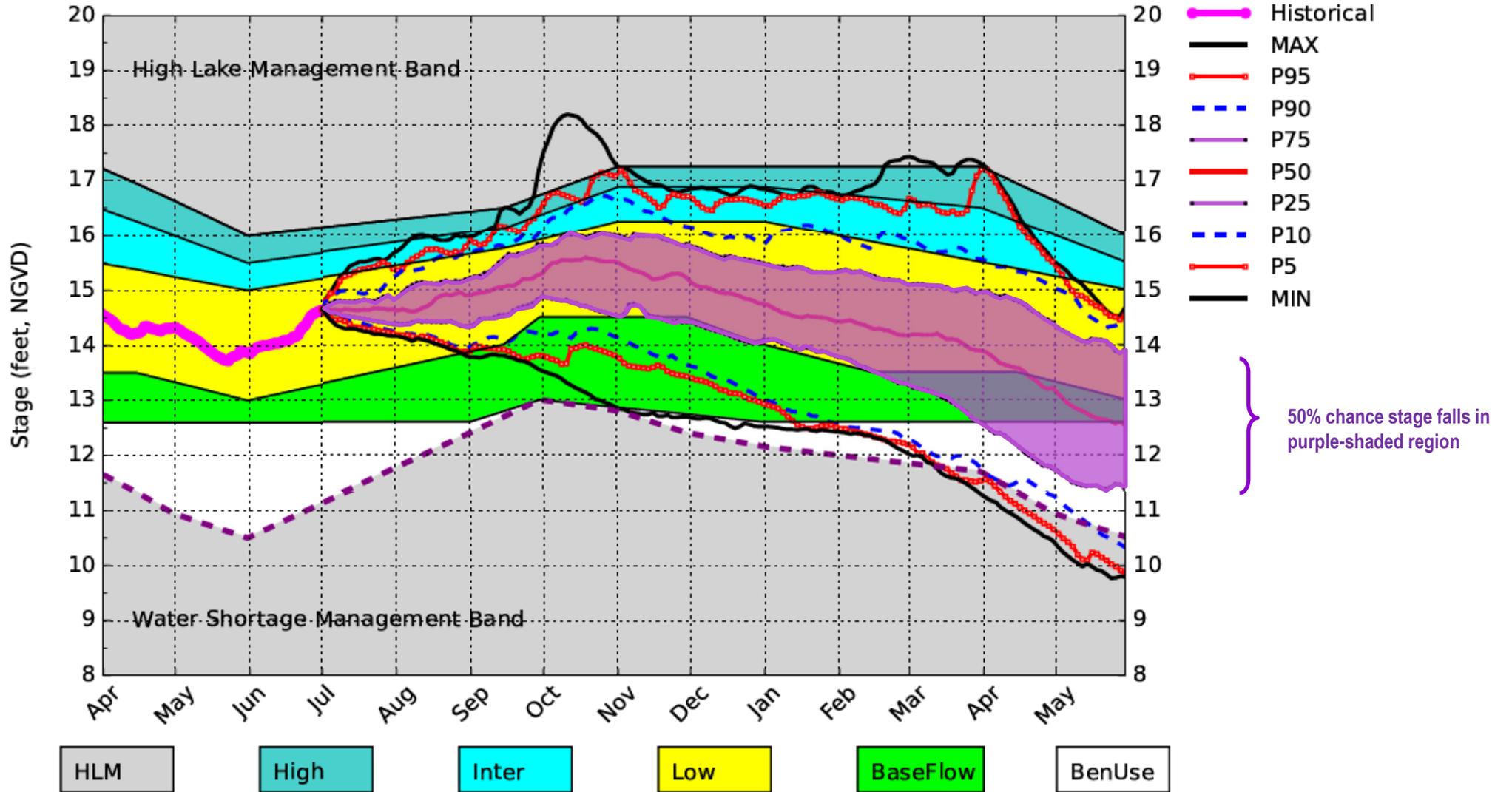
Rainfall, Percent of Normal, and Departures





Lake Okeechobee SFWMM July 2023 Position Analysis

Percentiles PA



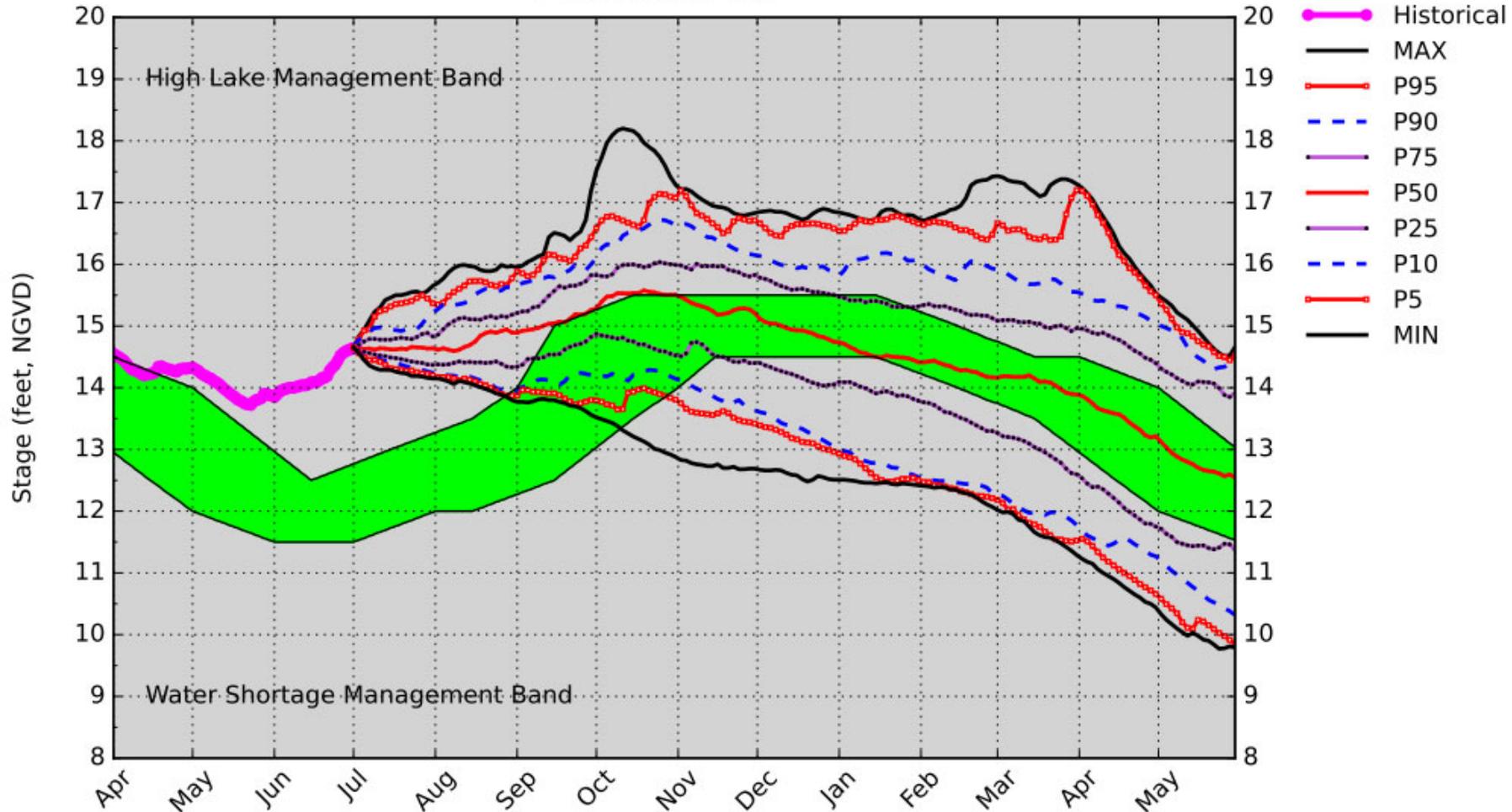
(See assumptions on the Position Analysis Results website)

07/09/23 12:14:27

Presenter: John Mitnik

Lake Okeechobee SFWMM July 2023 Position Analysis

Percentiles PA

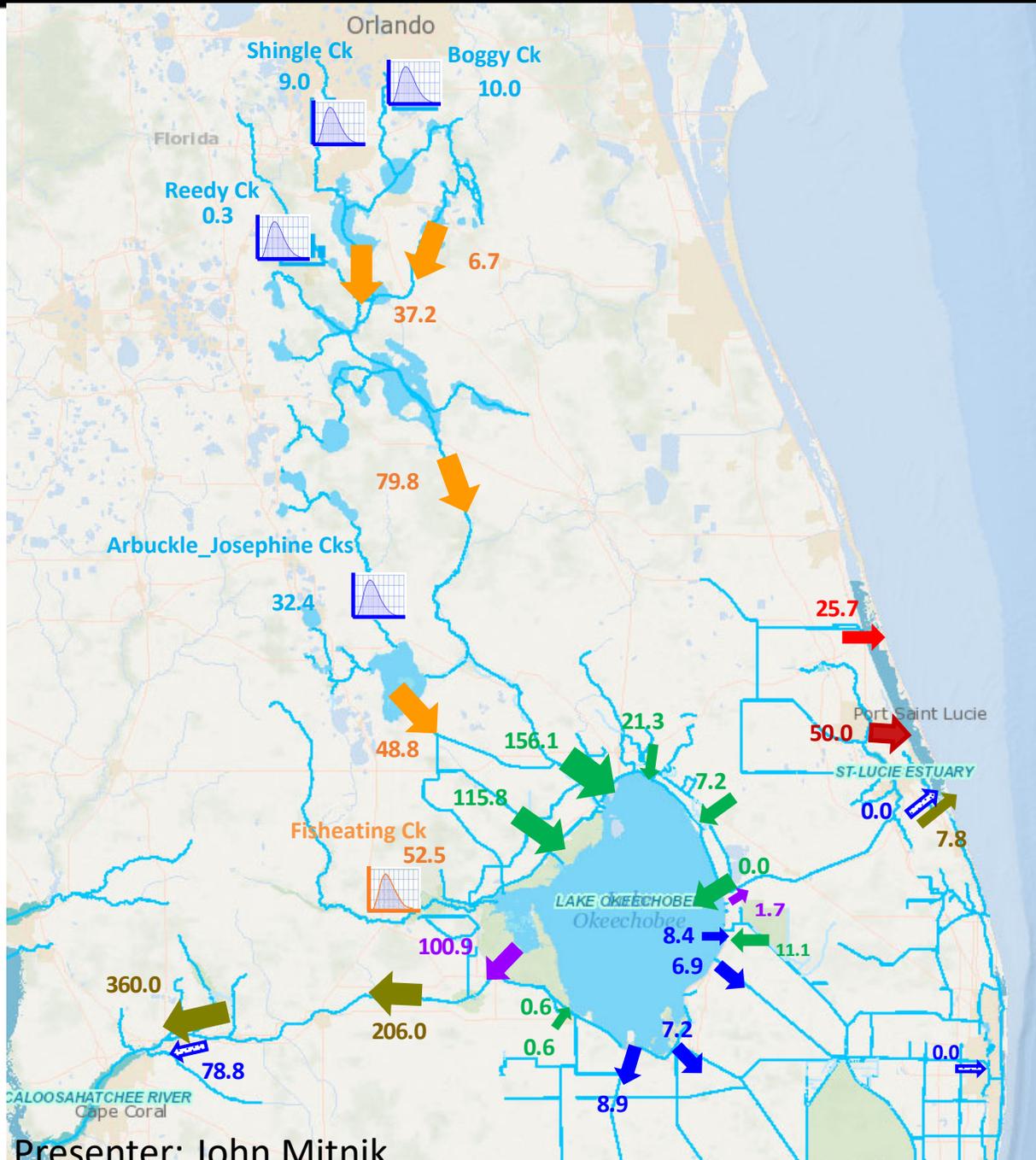


(See assumptions on the Position Analysis Results website)

07/09/23 12:14:29

Presenter: John Mitnik



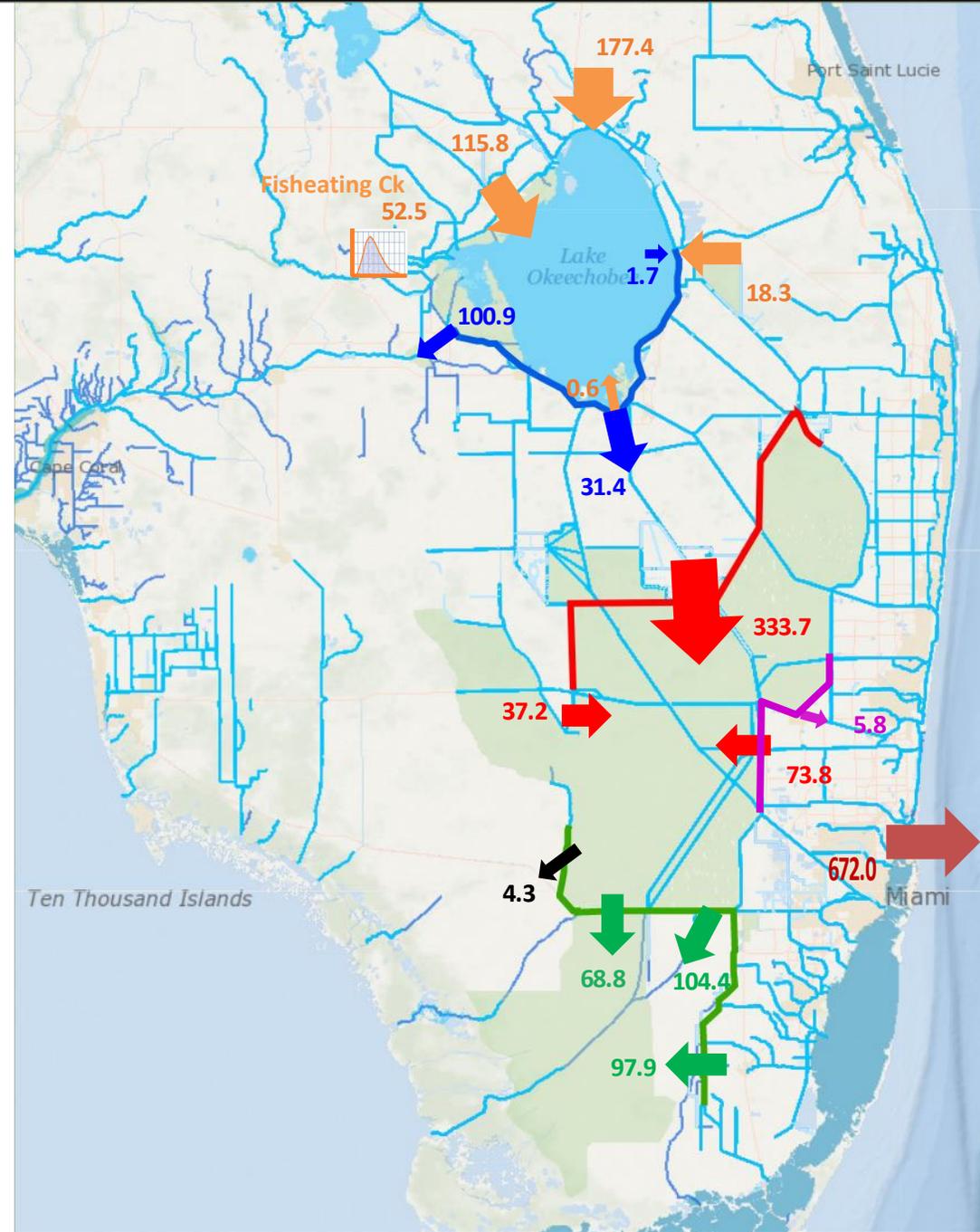


SFWMD – Selected Release Volumes for the Period May 1, 2023 to July 11, 2023
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR2024	Last Month
	Upper Kissimmee to Lower Kissimmee	79.8	53.6
	Inflows to Lake Okeechobee (including Fisheating Creek)	364.6	293.9
	Lake Releases and Basin Runoff	367.8	179.7
	Lake Releases East and West	102.6	3.6
	Lake Flood Control to Estuaries	78.8	3.6
	Total Lake Releases South	31.4	0.0
	Releases to Indian River Lagoon	25.7	18.1
	Upper East Coast discharges to St. Lucie Estuary	50.0	34.2
	Uncontrolled flows - Creeks (does not include Fisheating Creek)	51.6	30.9

1,000 acre-feet = 325.9 Million Gallons

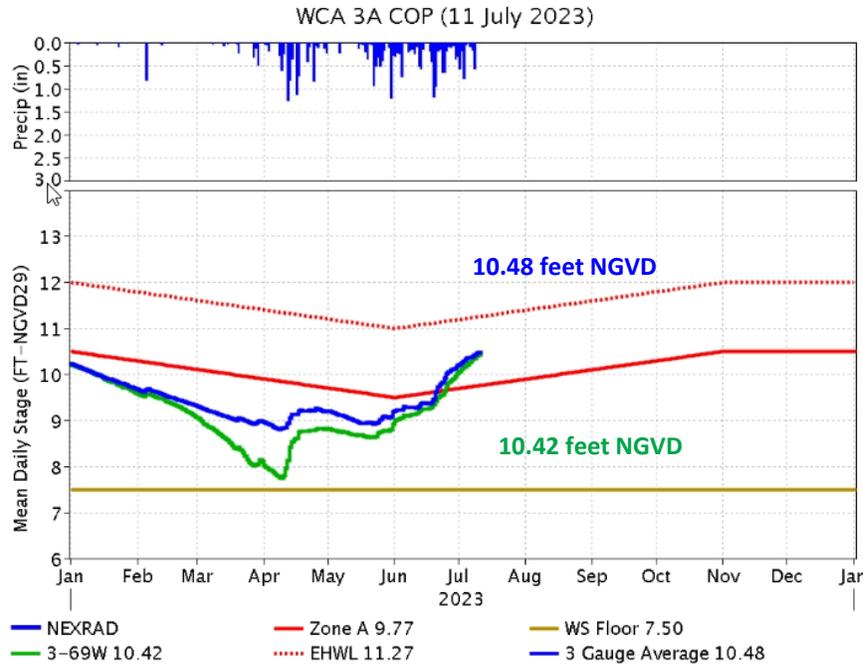
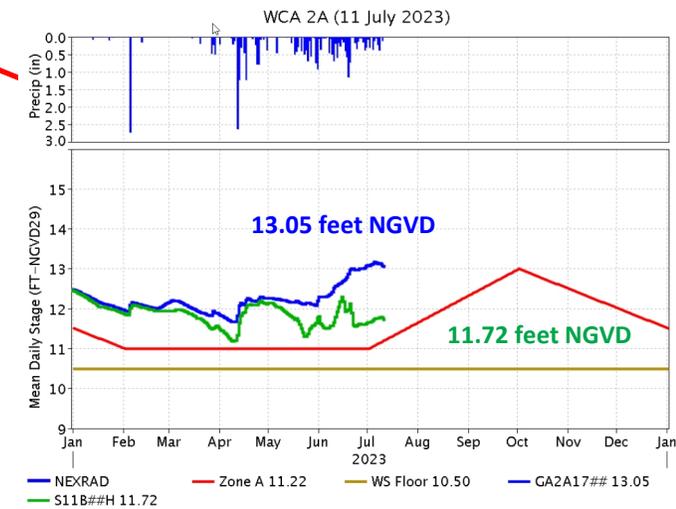
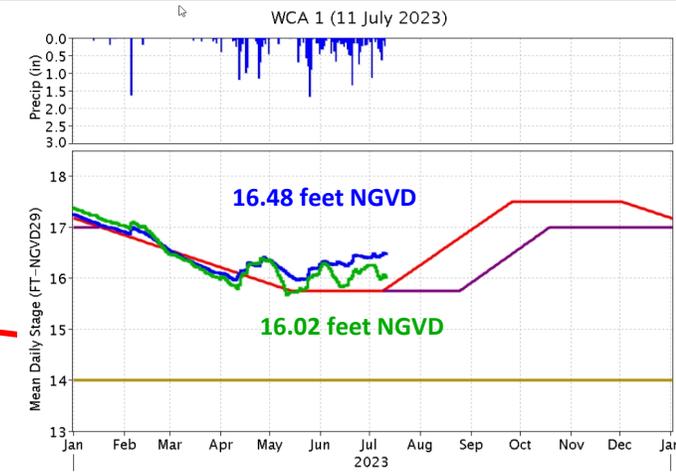
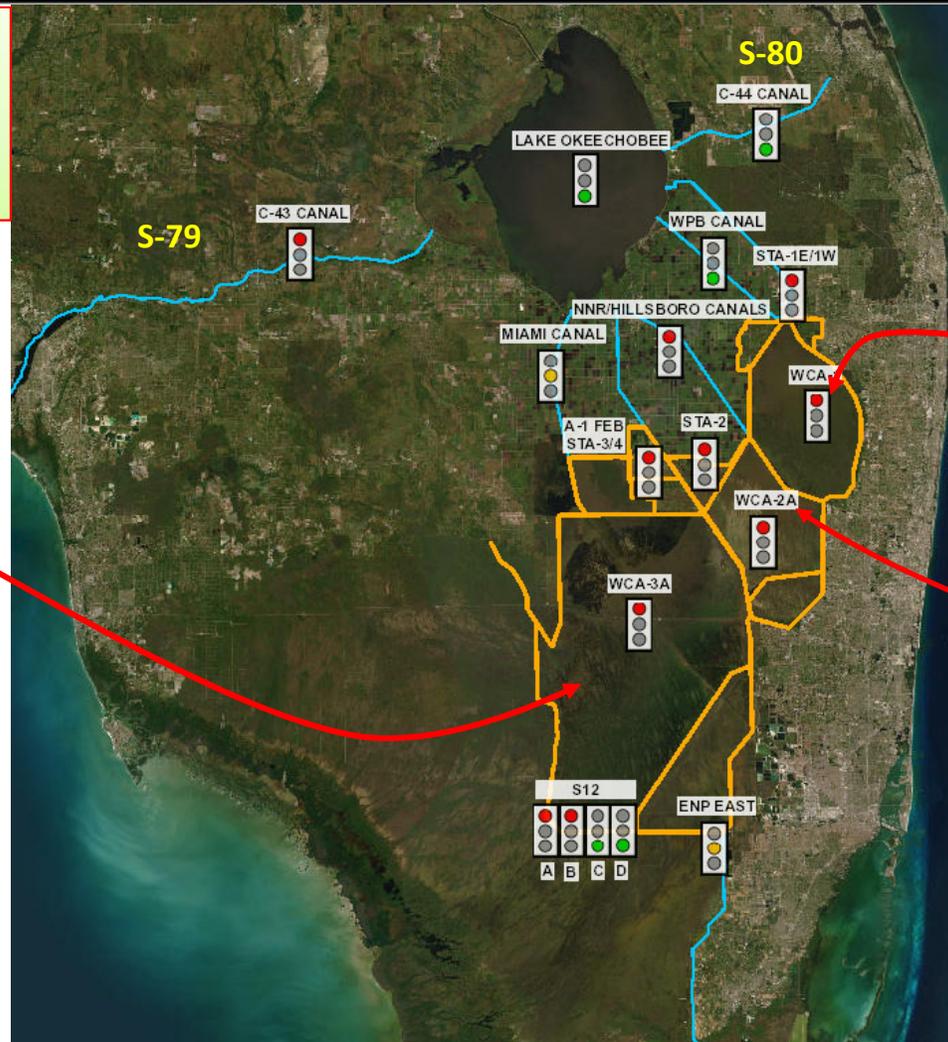
**SFWMD –Volumes Flowing
Down the System for the
Period May 1, 2023 to July 11, 2023**
(volumes in 1,000 acre-feet)



Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2024	Last Month
	Lake Okeechobee Inflows	364.6	293.9
	Lake Okeechobee Outflows	134.0	3.6
	WCAs Inflows	444.6	294.0
	ENP / Detention Cell Inflows	271.1	138.3
	WCAs to East	5.8	1.3
	Flows to Intracoastal	672.0	395.4

1,000 acre-feet = 325.9 Million Gallons

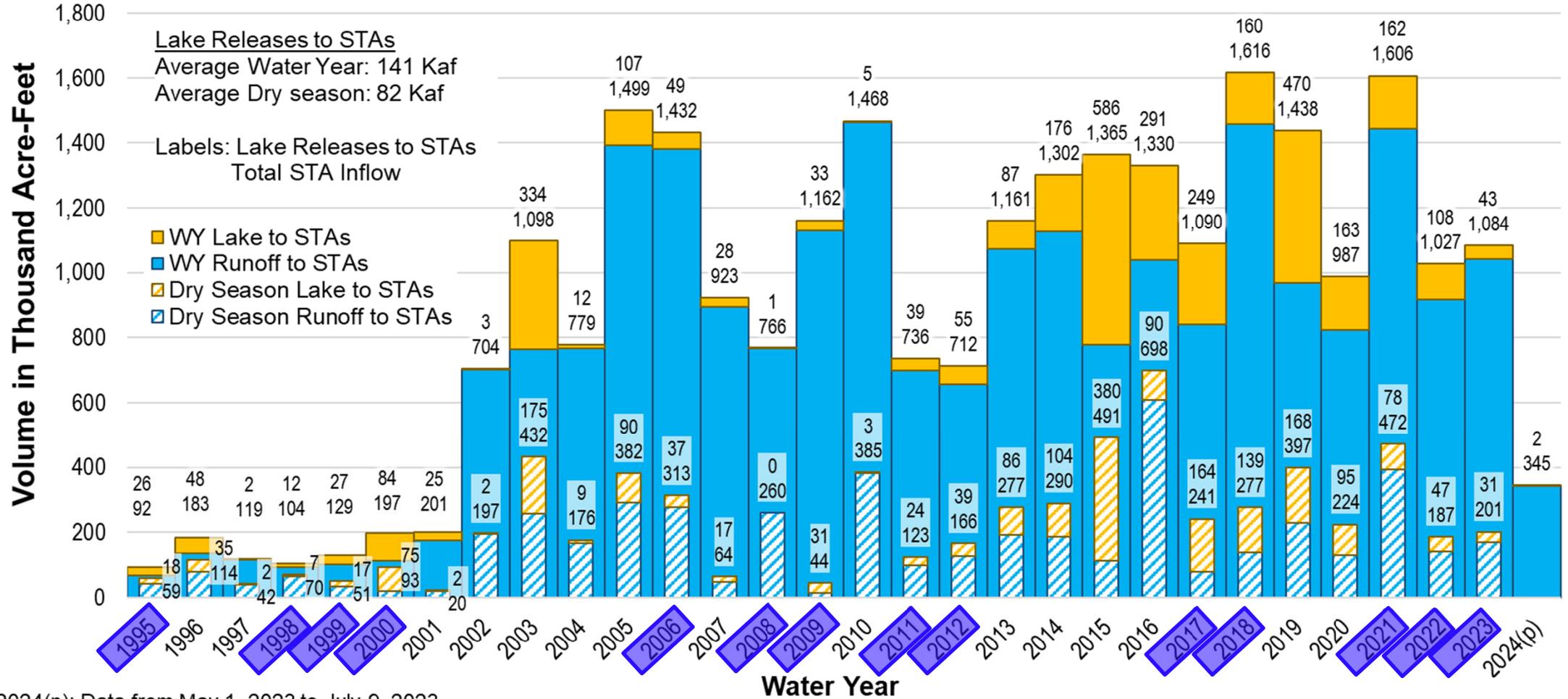
Lake Okeechobee stage is in the Low Sub-band of the LORS-2008 Regulation schedule. LORS release guidance suggests up to Maximum Practicable to the WCAs if desirable or with minimum Everglades impact; otherwise, no releases to WCAs. S-79 up to 3,000 cfs and S-80 up to 1,170 cfs.



For this week, the Tamiami Trail Flow Formula calls maximum releases from WCA-3A to NESRS. Current L-29 stage constraint is at 8.5 feet NGVD. South Dade Conveyance System is stable. S-356 is pumping. S-332s are pumping as needed. S-176 and S-177 are closed. S-18C is currently open and S-197 is closed. LPG-2 stage at 8.5 SMA is below ground. S-357 is pumping as needed to maintain stages 4.0 to 4.5 ft NGVD in the C-357 canal. S-199 and S-200 are pumping (CSSS restrictions ended June 30th).

WCA-1 stage is above regulation schedule in Zone A; WCA-2A stage is above regulation schedule; WCA-3A stage is above regulation schedule in Zone A. S-10s and S-11s are open, passing ~ 1,100 and ~ 2,600 cfs, respectively. S-12A and S-12 B are closed. S-12C and S-12D are fully open passing ~1,100 cfs total. S-333 and S-333N total flow ~ 950 cfs. S-343 A and B are closed. S-344 is open passing ~120 cfs. Interior structure to WCA-3A S-339 is open. S-12A, S12-B and S-343A/B can be opened on July 15th.

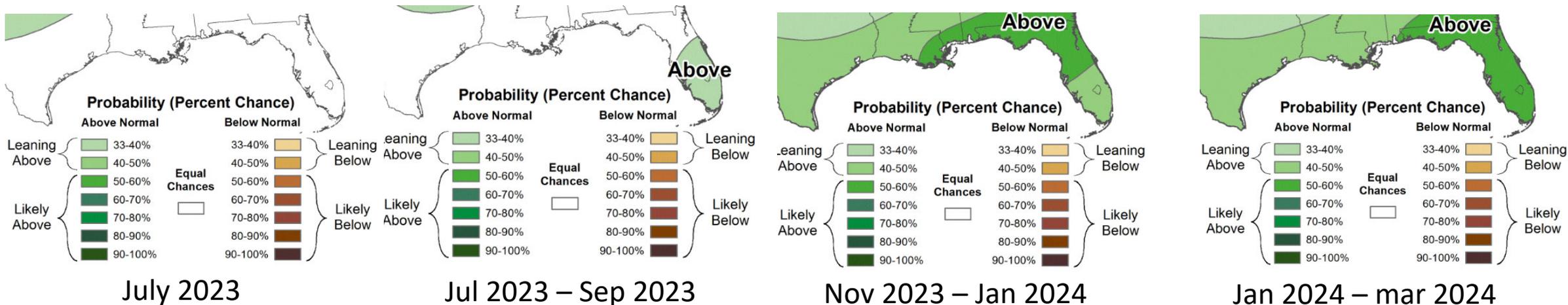
Total STA Inflow and Lake Releases to STAs



2024(p): Data from May 1, 2023 to July 9, 2023.

La Niña Water Years

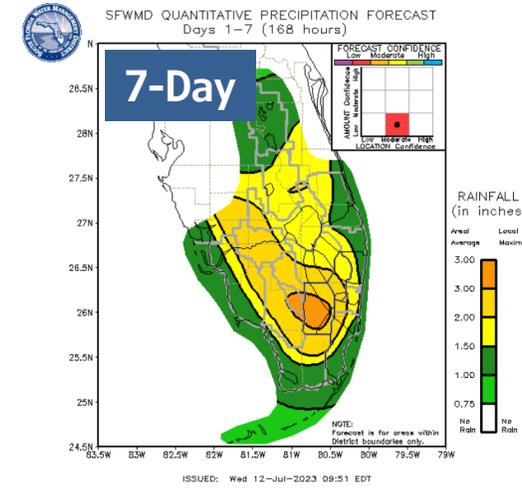
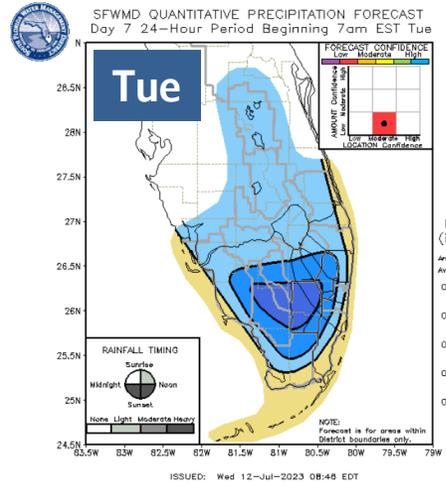
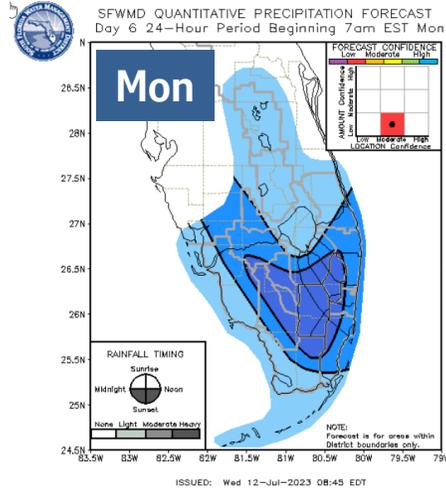
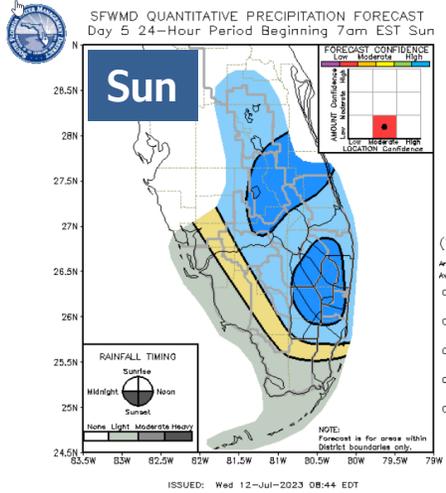
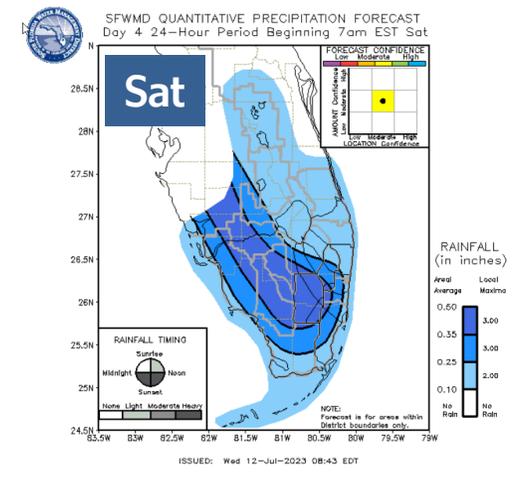
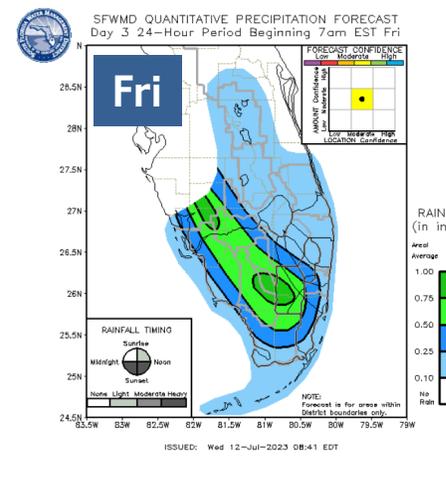
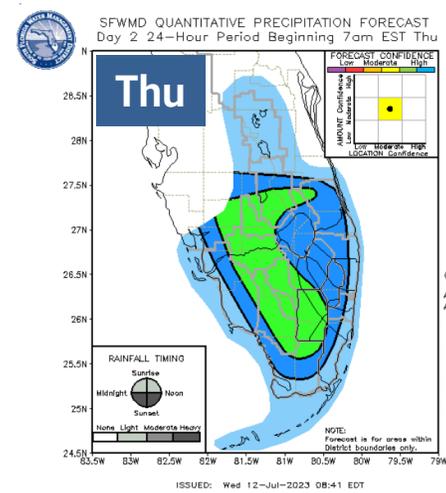
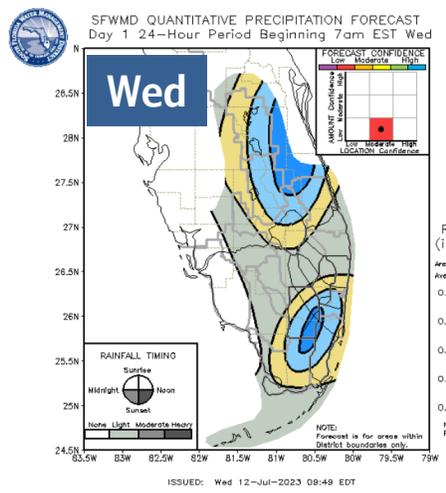
CPC Precipitation Outlook for South Florida



- The most recent CPC precipitation outlooks for South Florida for July 2023 is for equal chances of below normal, normal and above normal rainfall.
- The 3-month windows from Jul-Sep to Oct-Dec show slightly increased chances of above normal rainfall.
- The 3-month window of Nov 2023-Jan 2024 shows increased chances of above normal rainfall.
- The 3-month windows of Dec 2023-Feb 2024 and Jan 2024-Mar 2024 indicate substantially increased chances of above normal rainfall for south Florida.
- The outlook for the 3-month window Feb 2024-Apr 2024 is for increased chances of above normal rainfall.
- The remainder windows ending Sep 2024 indicate equal chances of below normal, normal and above normal rainfall.

Updated June 30, 2023

Short-, Medium-, & Extended-Range Outlooks



Weekly Summary

Week 1 (Historical Avg: 1.65"): Somewhat above to near-normal
 Week 2 (Historical Avg: 1.61"): Below to near normal

Ecological Conditions Update

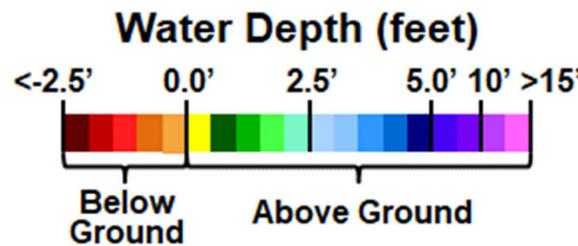
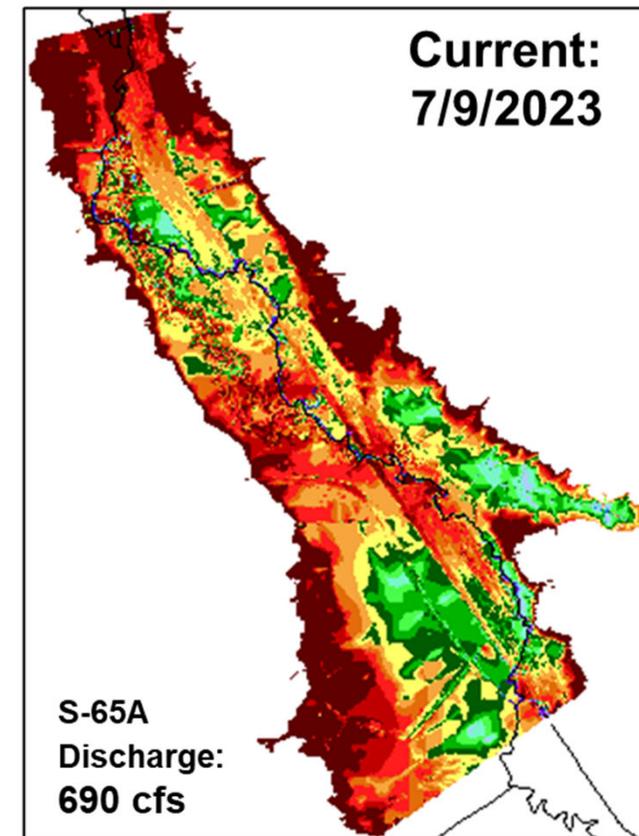
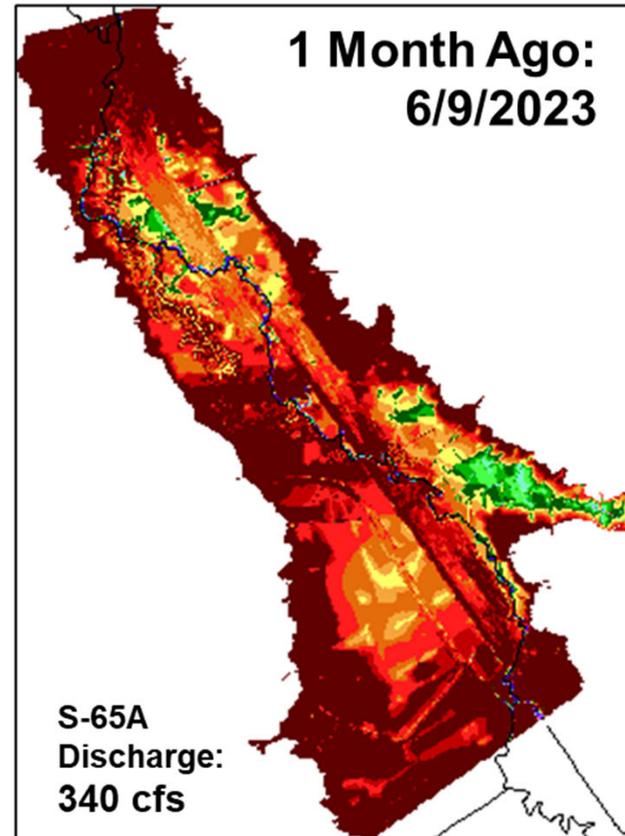
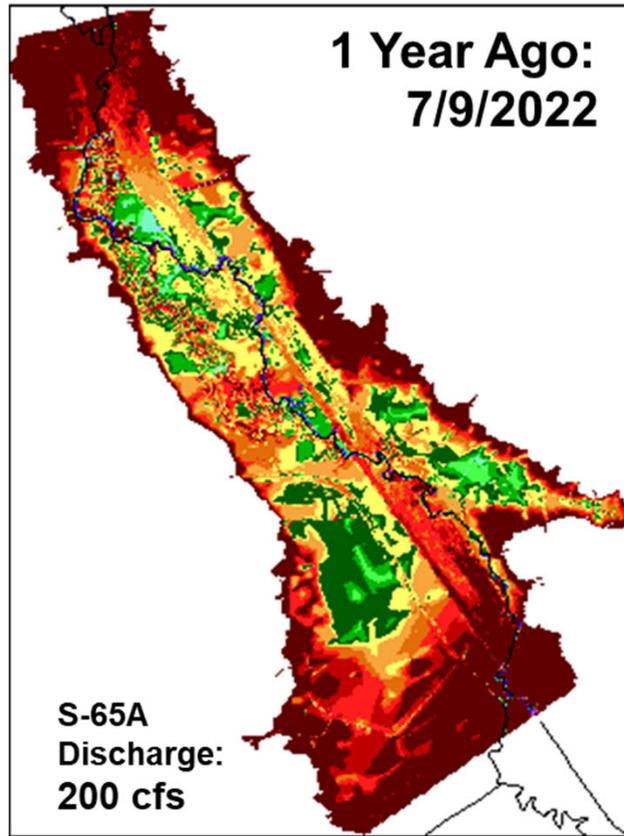
Governing Board Meeting
July 13, 2023



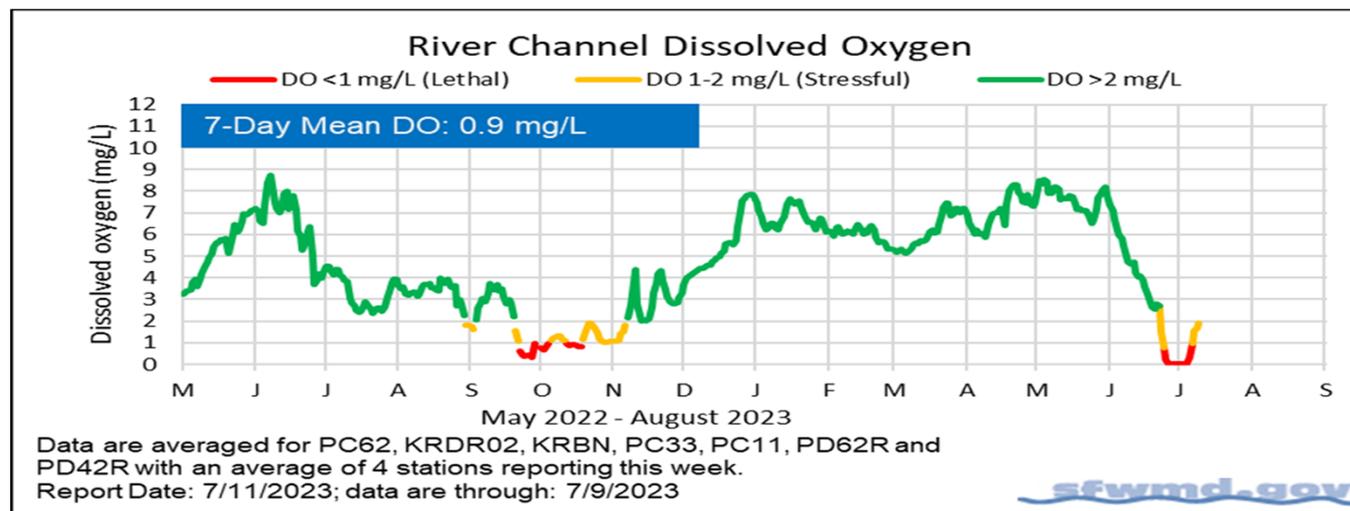
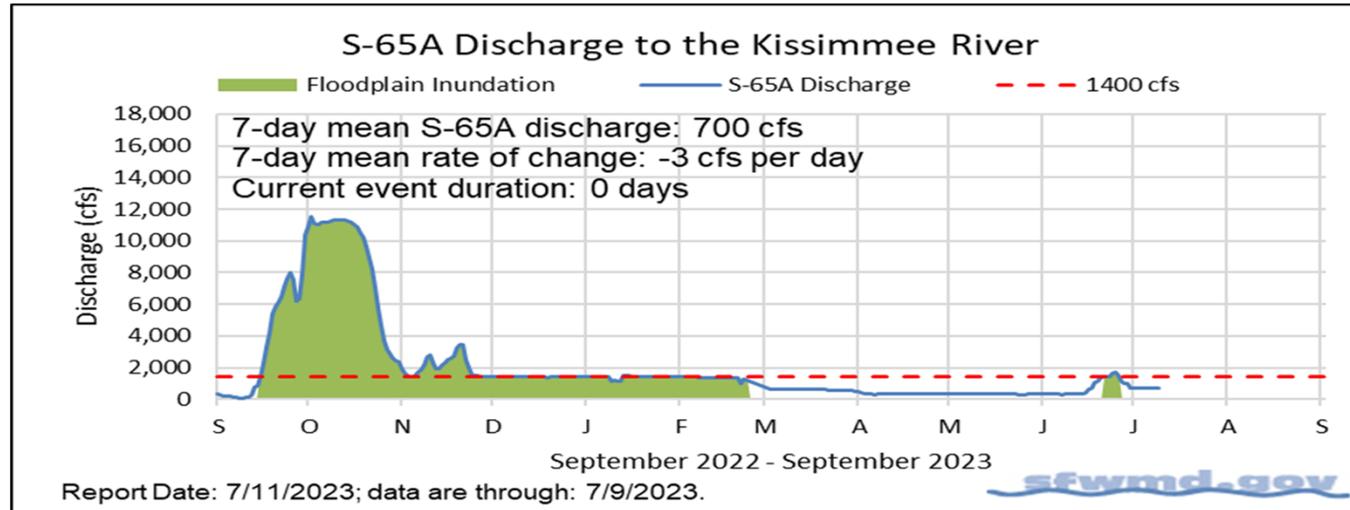
Lawrence Glenn
Division Director
Water Resources

*Coastal view at Caloosahatchee River Estuary.
Photograph courtesy of SFWMD Staff*

Kissimmee River (Phase I) Floodplain Water Depth Maps

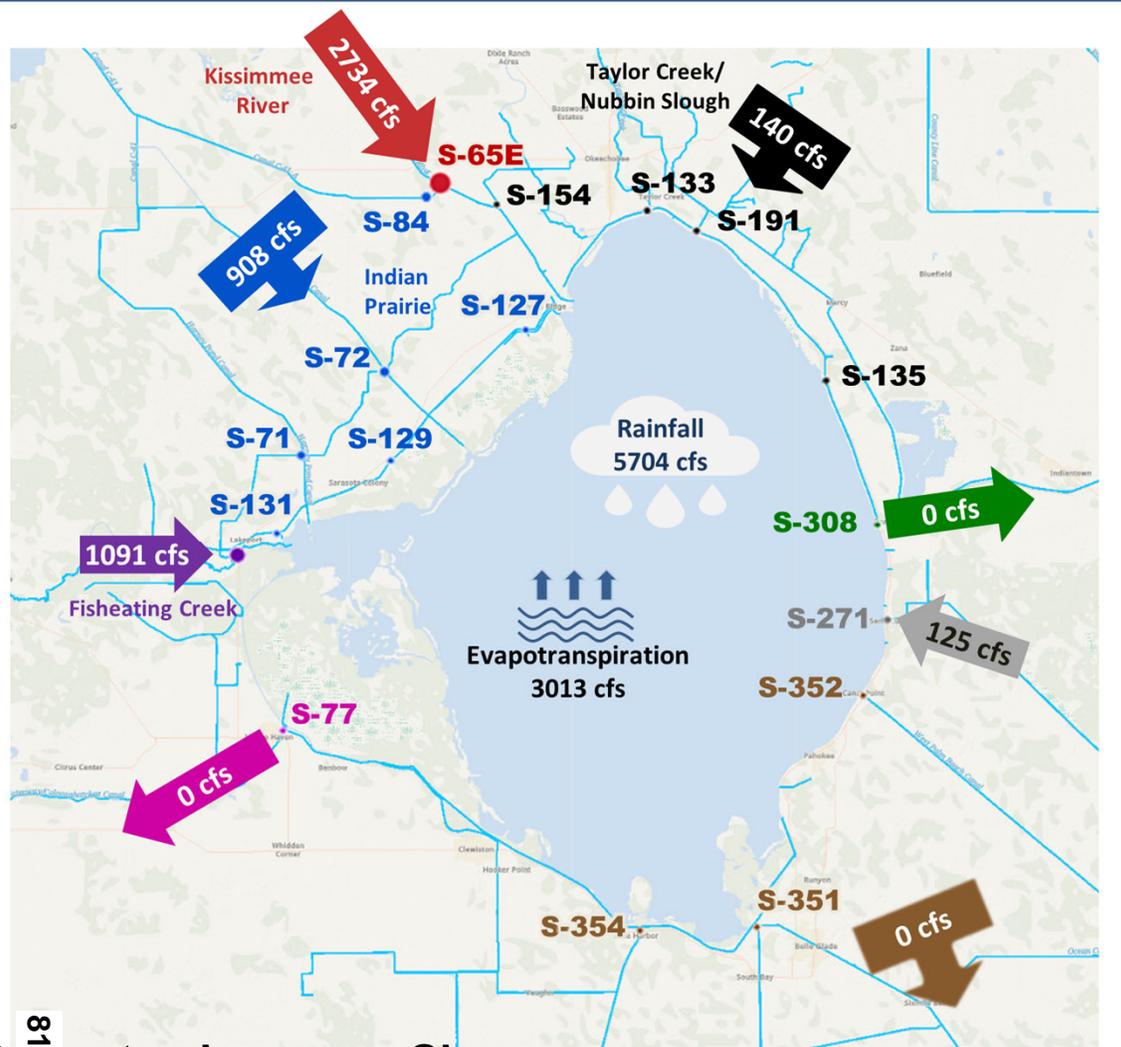


Kissimmee River Discharge and Dissolved Oxygen

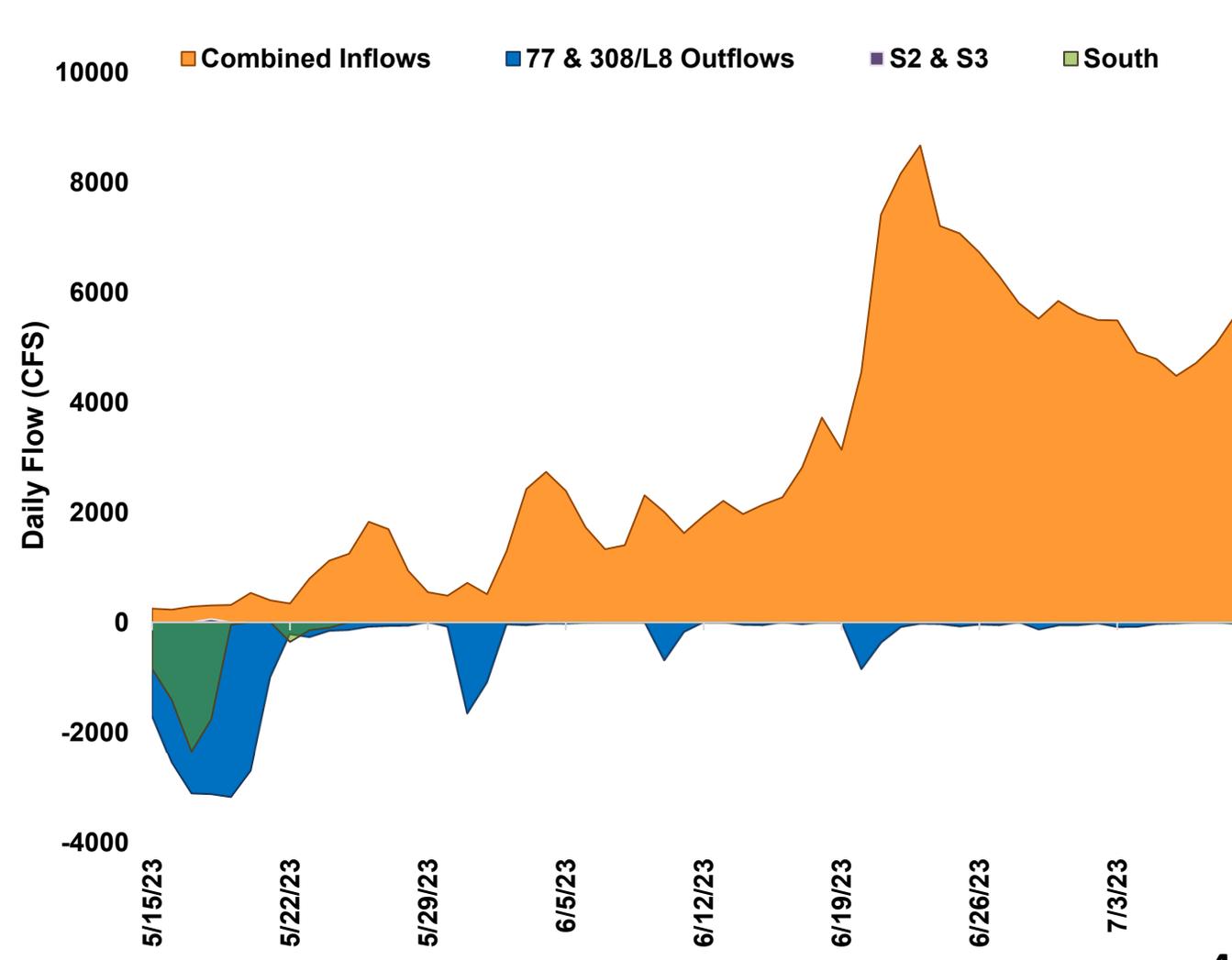


Lake Okeechobee Hydrology (*Provisional Data)

July 03 – 09, 2023 Inflows and Outflows

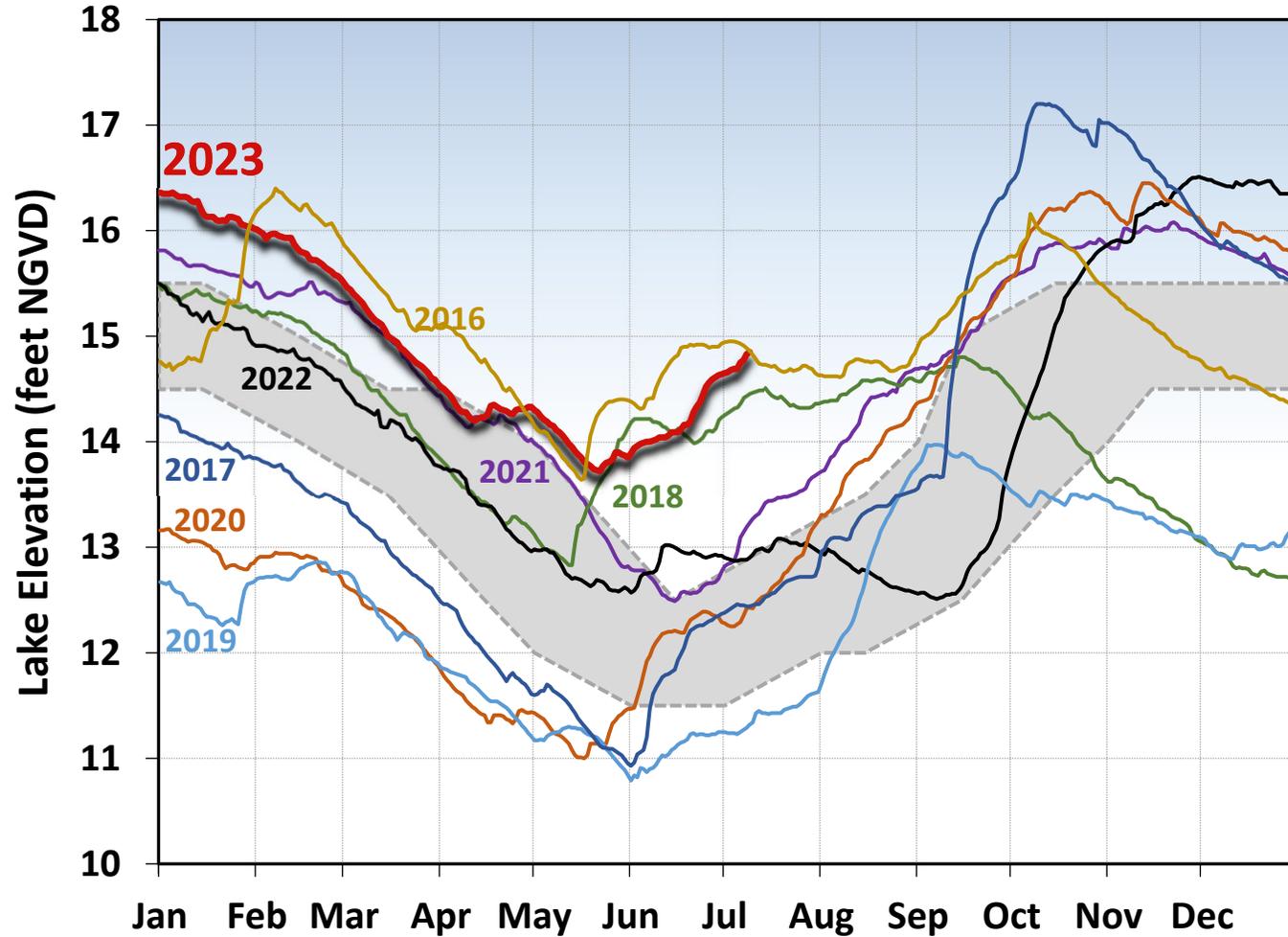


Prior 8 Weeks Inflows and Outflows

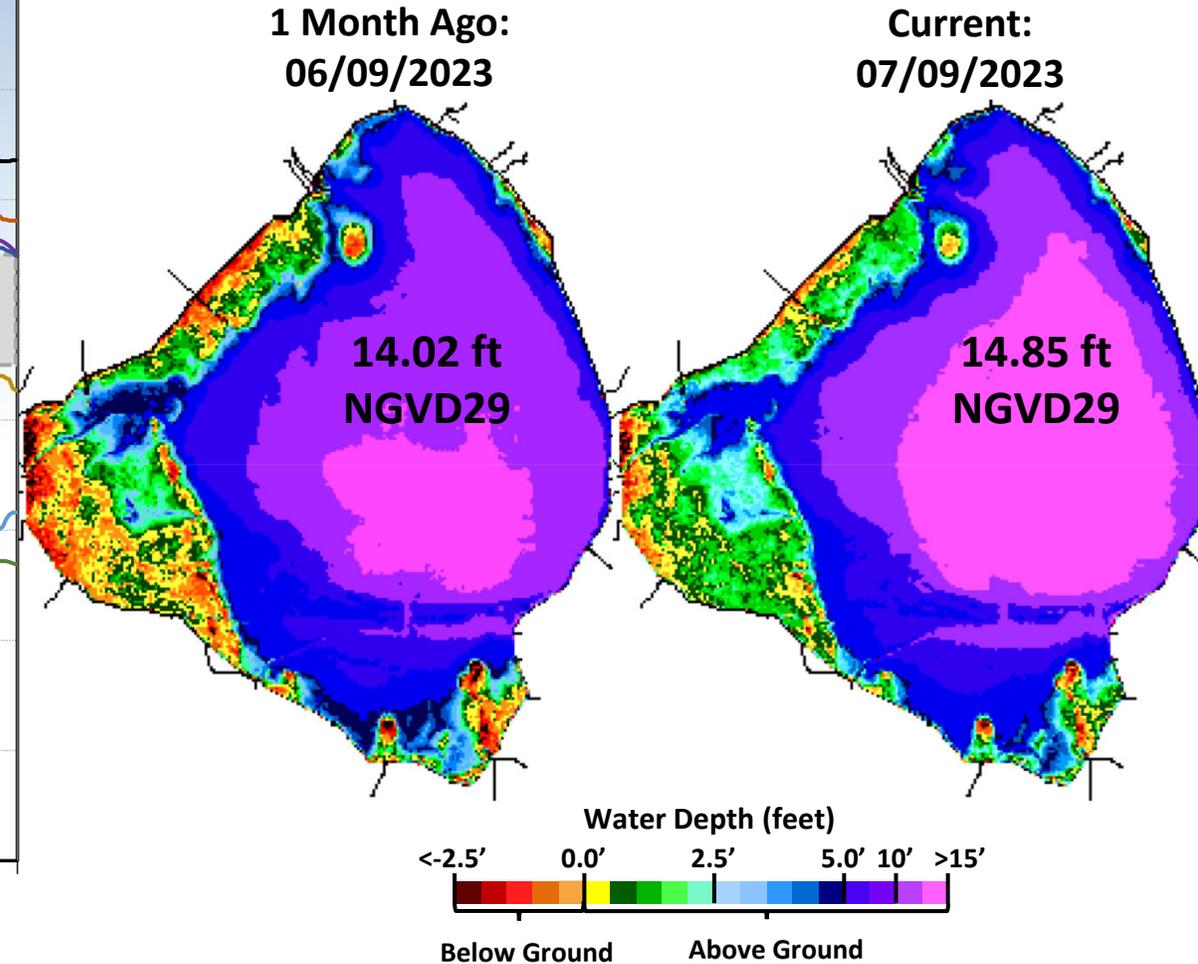


Ecological Envelope and Water Depths

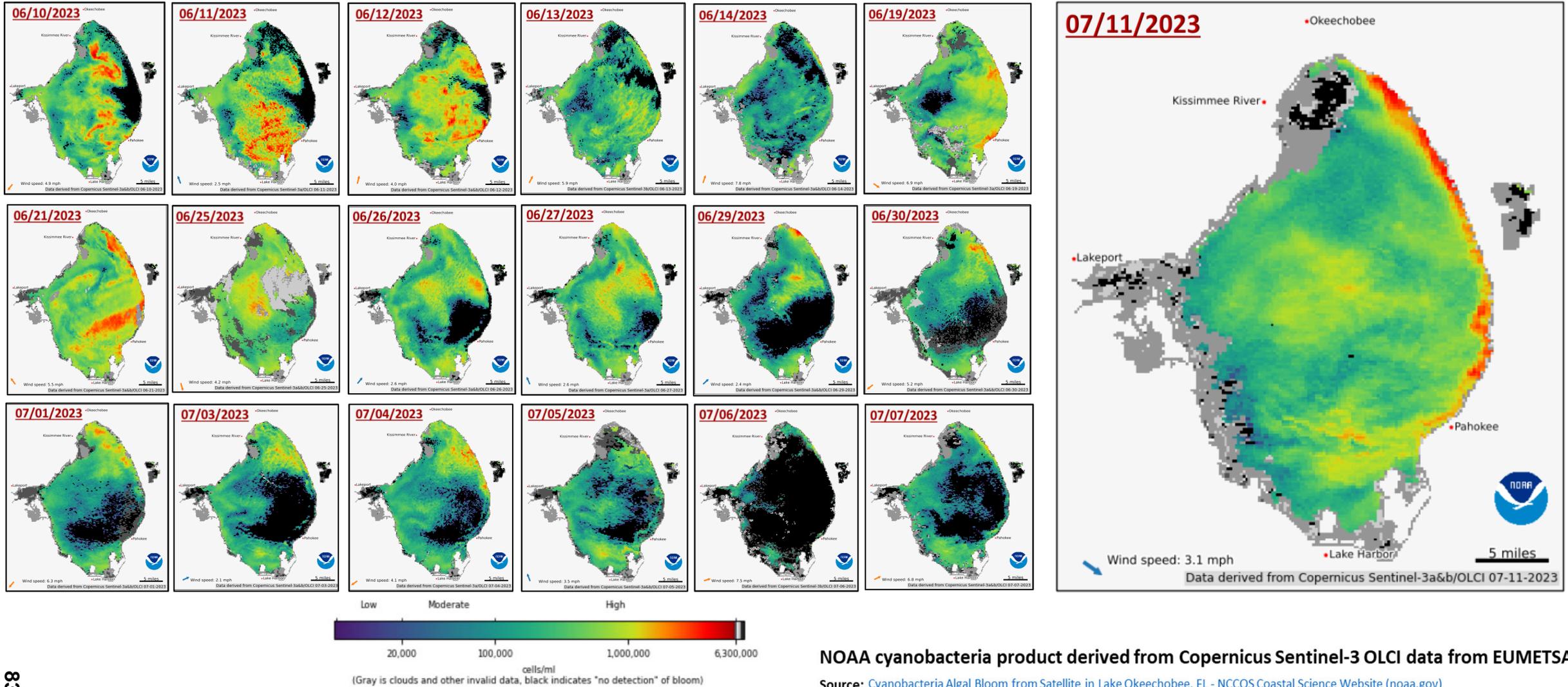
Lake Okeechobee Stage vs Ecological Envelope



Changes in Water Depth



Cyanobacteria Bloom Distribution and Intensity

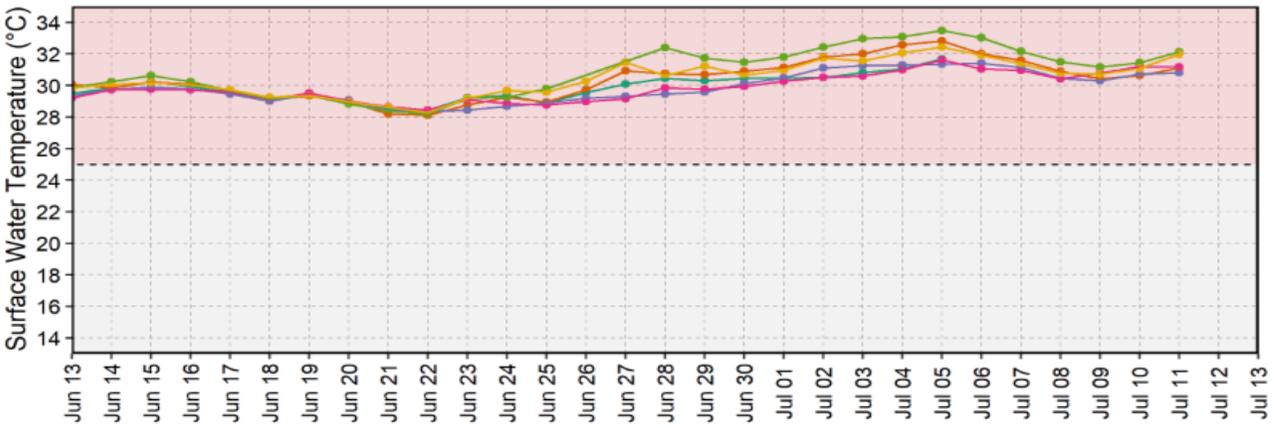


NOAA cyanobacteria product derived from Copernicus Sentinel-3 OLCI data from EUMETSAT

Source: [Cyanobacteria Algal Bloom from Satellite in Lake Okeechobee, FL - NCCOS Coastal Science Website \(noaa.gov\)](https://www.noaa.gov/education/outreach-and-publications/cyanobacteria-algal-bloom-from-satellite-in-lake-okeechobee-fl-nccos-coastal-science-website)

Lake Okeechobee Daily mean Surface Water Temperature (°C)

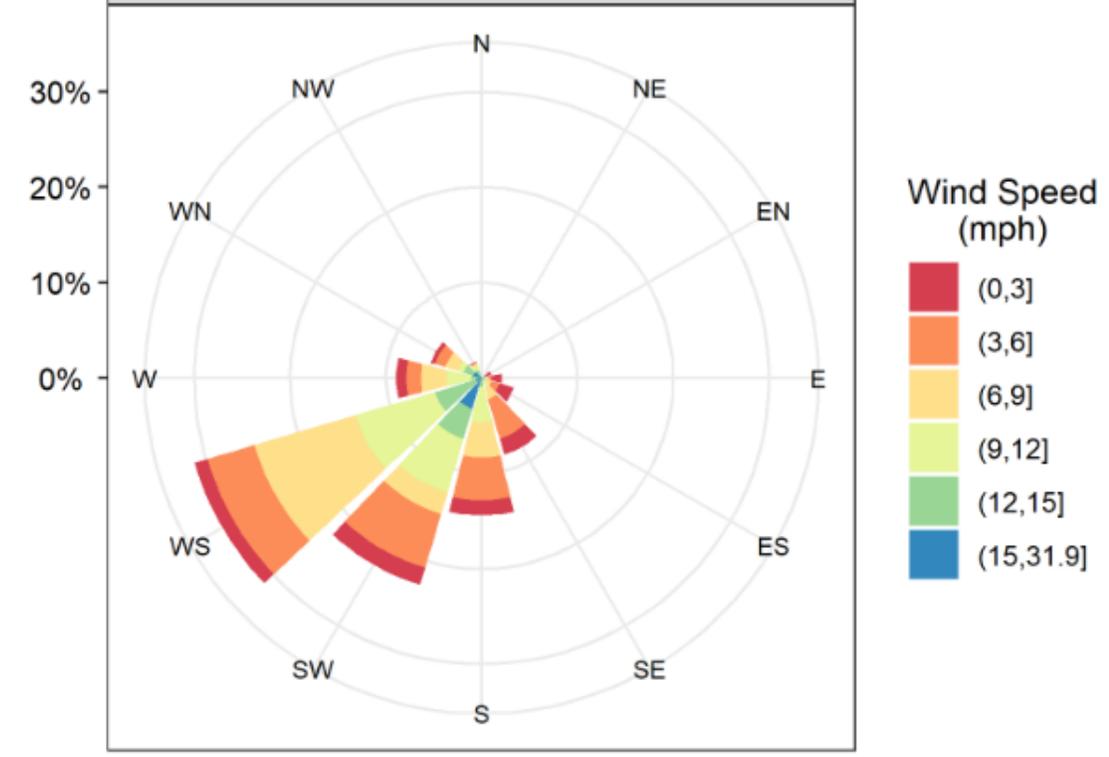
—●— L001 —●— L006 —●— POLESOUT1
—●— L005 —●— LZ40 —●— POLESOUT3



Lake Okeechobee Wind Data from 2023-07-05 to 2023-07-11

LZ40 7-day Wind Speed (mph) and Direction

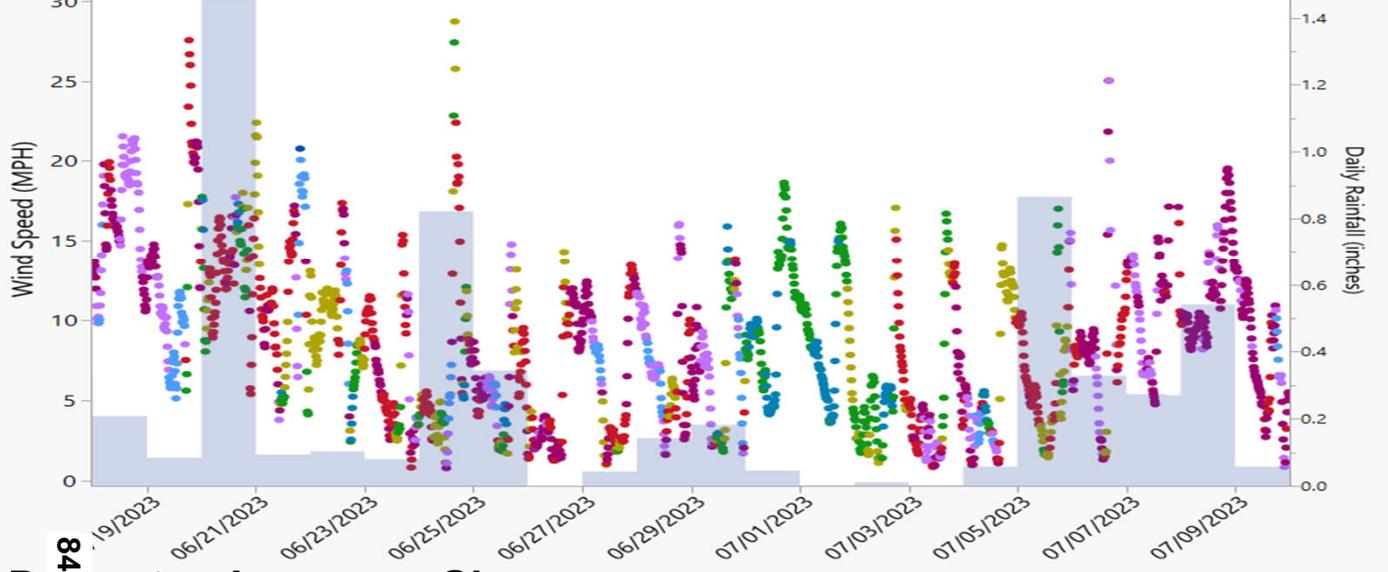
Calm = 0%



Source: SFWMD Provisional Data

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

● N ● NE ● E ● SE ● S ● SW ● W ● NW Rainfall



Lake Okeechobee Cyanobacteria Bloom Potential

2021

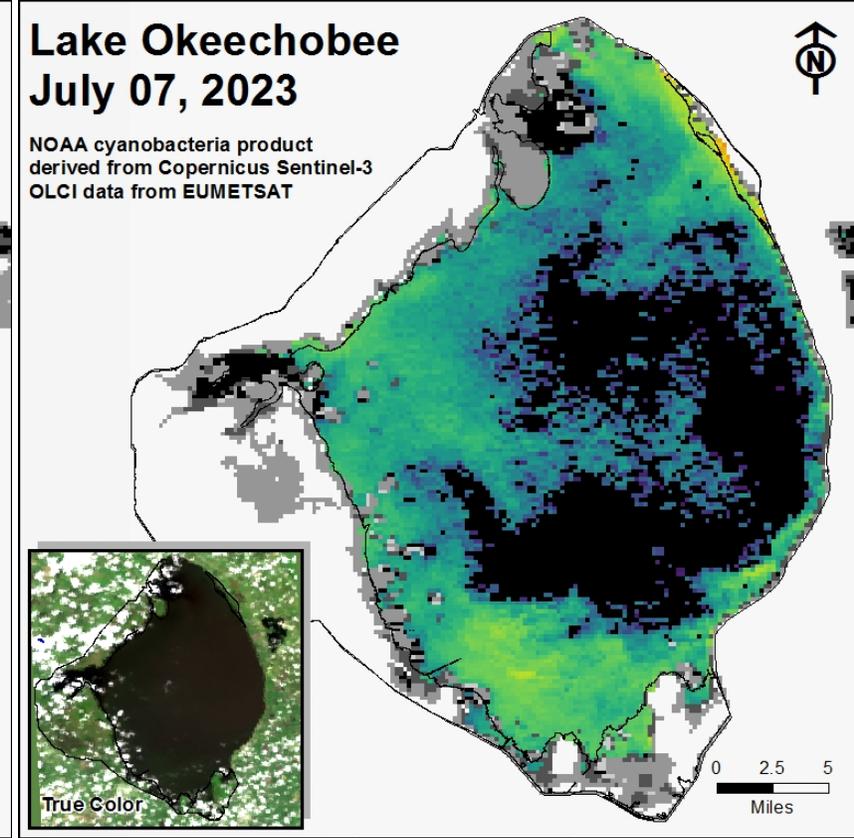
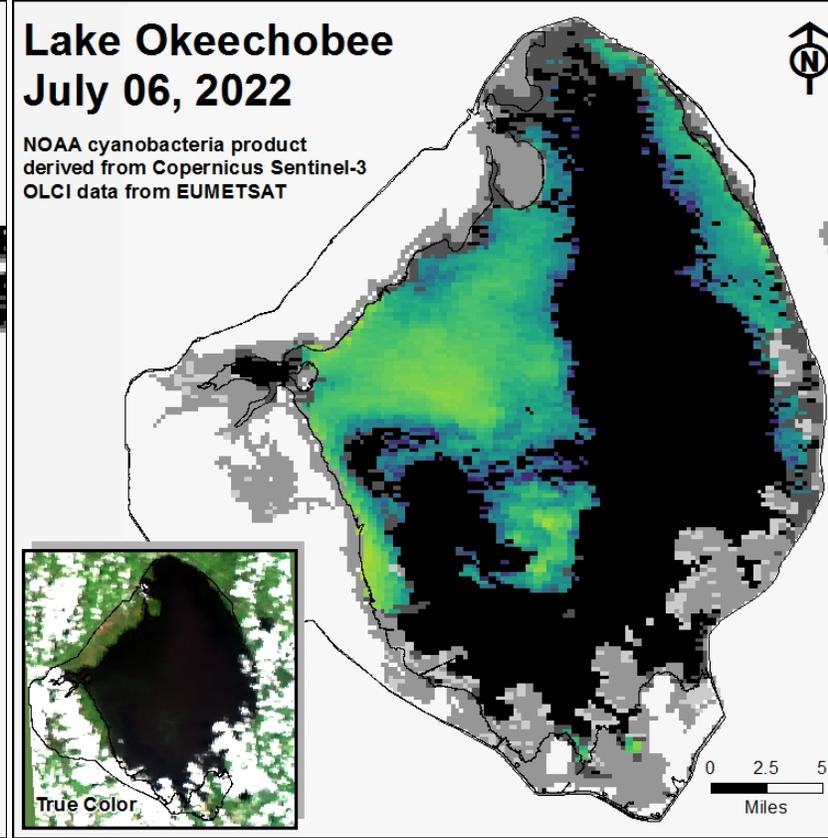
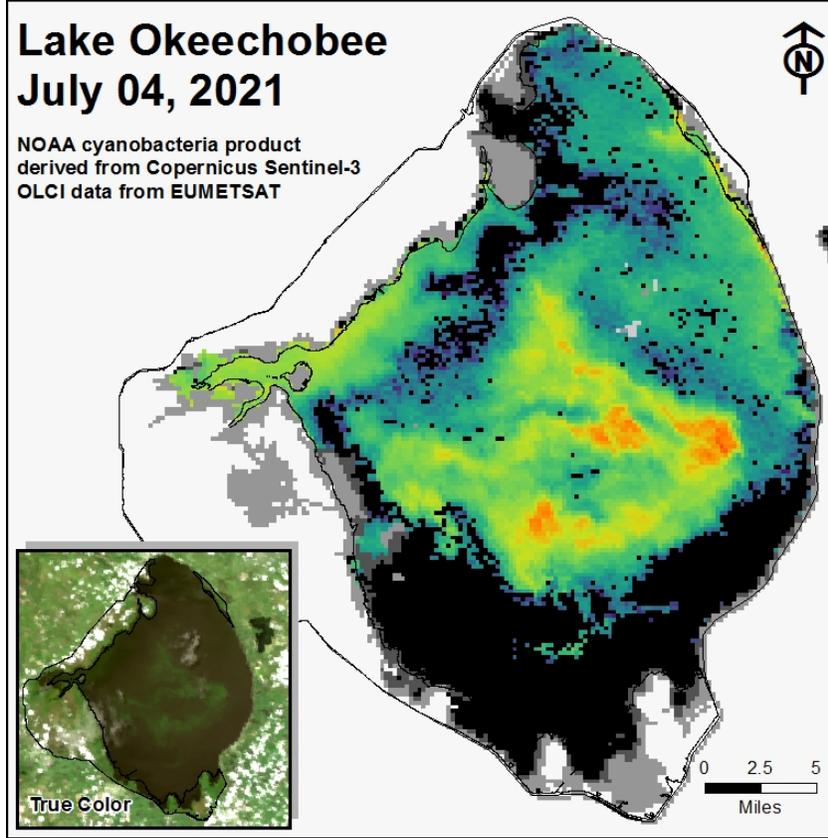
Stage = 12.87 ft. NGVD

2022

Stage = 12.88 ft. NGVD

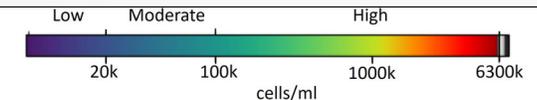
2023

Stage = 14.75 ft. NGVD



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

Maps Source: [Cyanobacteria Algal Bloom from Satellite in Lake Okeechobee, FL - NCCOS Coastal Science Website \(noaa.gov\)](https://www.noaa.gov)



*Provisional Data

Lake Okeechobee

Chlorophyll *a*, Total Microcystins, and Dominant Taxa

Collection Date: June 19-21, 2023

Station	CHL <i>a</i> (ug/L)	TOXIN (ug/L)	TAXA
FEBIN	25.3	0.3	<i>Microcys</i>
FEBOUT	42.6	0.5	<i>Microcys</i>
KISSR0.0	20.6	BDL	<i>Microcys</i>
L005	40.1	1.4	<i>Microcys</i>
LZ2	88.7	BDL	<i>Micro/Dolic</i>
KBARSE	62.1	0.5	<i>Microcys</i>
RITTAE2	51.0	3.9	<i>Microcys</i>
PELBAY3	83.0	7.4	<i>Microcys</i>
POLE3S	89.6	3.2	<i>Microcys</i>
LZ25A	71.7	5.2	<i>Microcys</i>
PALMOUT	36.9	1.6	<i>Microcys</i>
PALMOUT1	44.6	1.6	<i>Microcys</i>
PALMOUT2	15.5	2.1	<i>Microcys</i>
PALMOUT3	21.7	5.4	<i>Microcys</i>
POLESOUT	30.3	BDL	<i>Microcys</i>
POLESOUT1	27.4	1.6	<i>Microcys</i>
POLESOUT2	37.0	10.5	<i>Microcys</i>
POLESOUT3	23.0	28.0	<i>Microcys</i>
EASTSHORE	136.0	50.0	<i>Microcys</i>
NES135	63.1	38.6	NS
NES191	37.2	0.4	<i>Microcys</i>

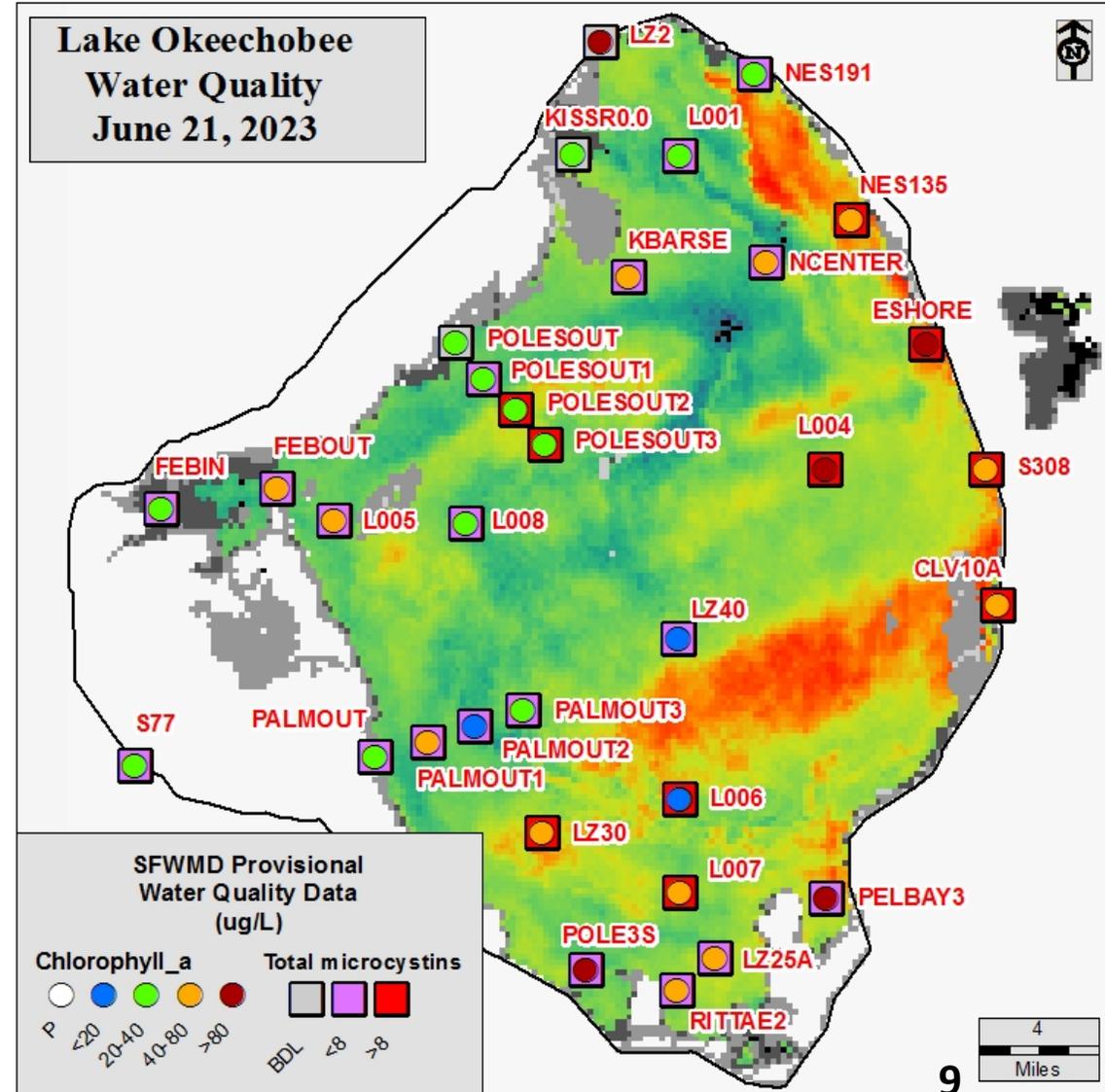
Station	CHL <i>a</i> (ug/L)	TOXIN (ug/L)	TAXA
L001	23.5	0.8	<i>Microcys</i>
L004	177.0	77.0	<i>Microcys</i>
L006	20.0	16.0	<i>Microcys</i>
L007	45.0	18.0	<i>Microcys</i>
L008	38.4	1.2	<i>Microcys</i>
LZ30	52.6	12.0	<i>Microcys</i>
LZ40	15.2	3.0	<i>Microcys</i>
CLV10A	52.2	13.0	<i>Microcys</i>
NCENTER	53.7	0.4	<i>Microcys</i>

sampled June 26

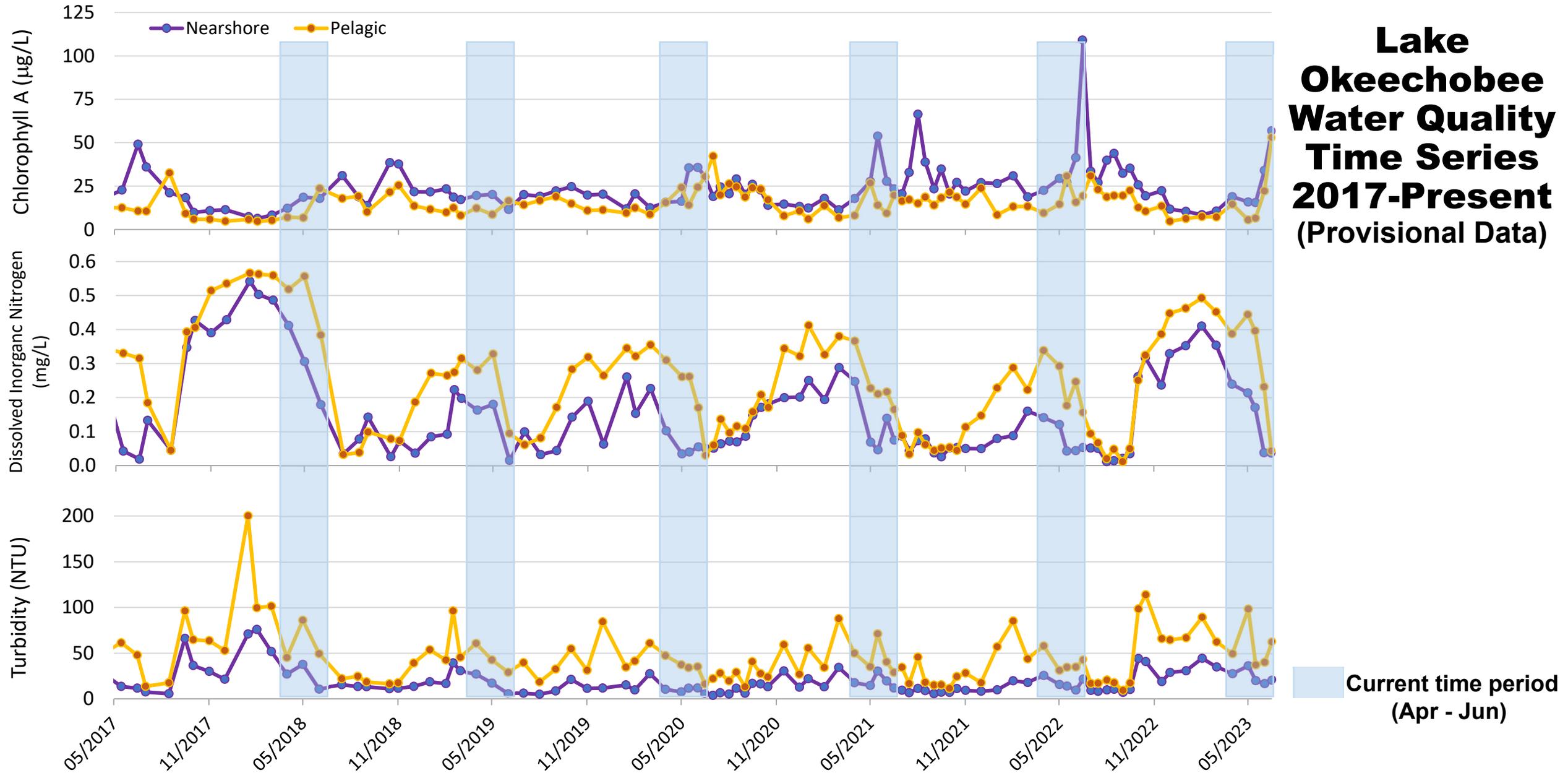
S308C	58.0	21.0	<i>Microcys</i>
S77	23.4	0.3	<i>mixed</i>

- SFWMD considers >40 µg/L Chlorophyll *a* (Chl*a*) an algal bloom
 - BDL – Below Detectable Limit of 0.25 µg/L
 - ND – No Dominant taxa
 - P – Pending
 - 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

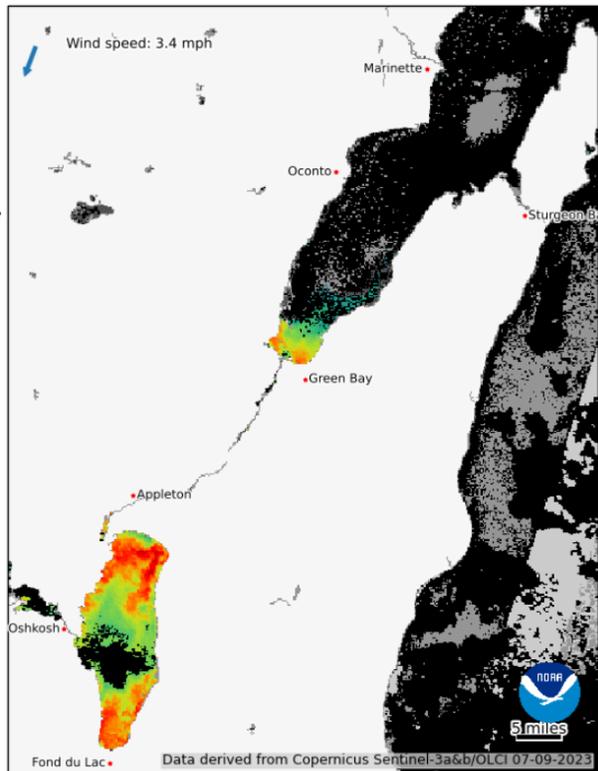


Lake Okeechobee Water Quality Time Series 2017-Present (Provisional Data)

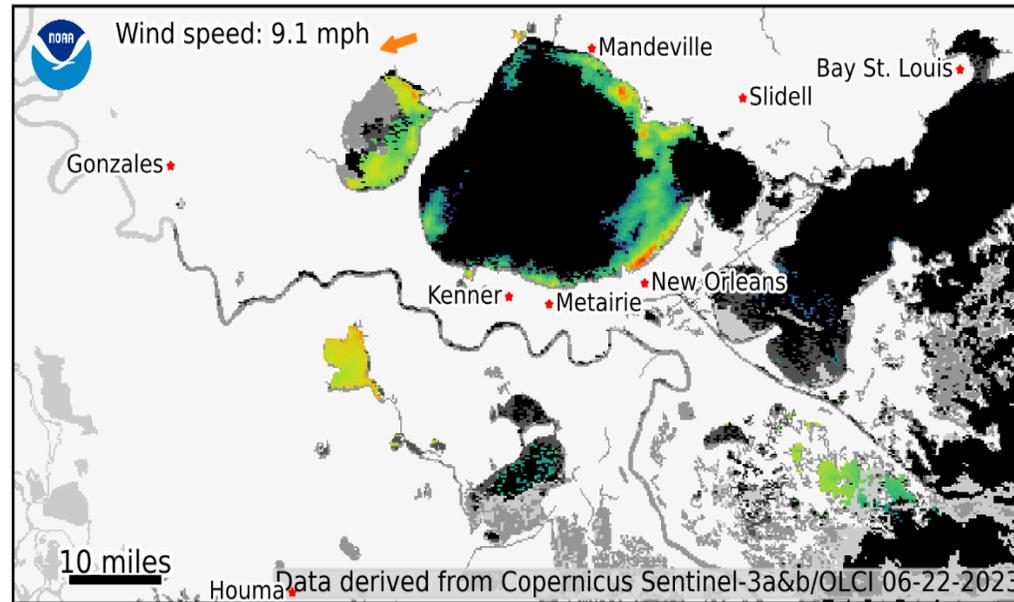


Current time period (Apr - Jun)

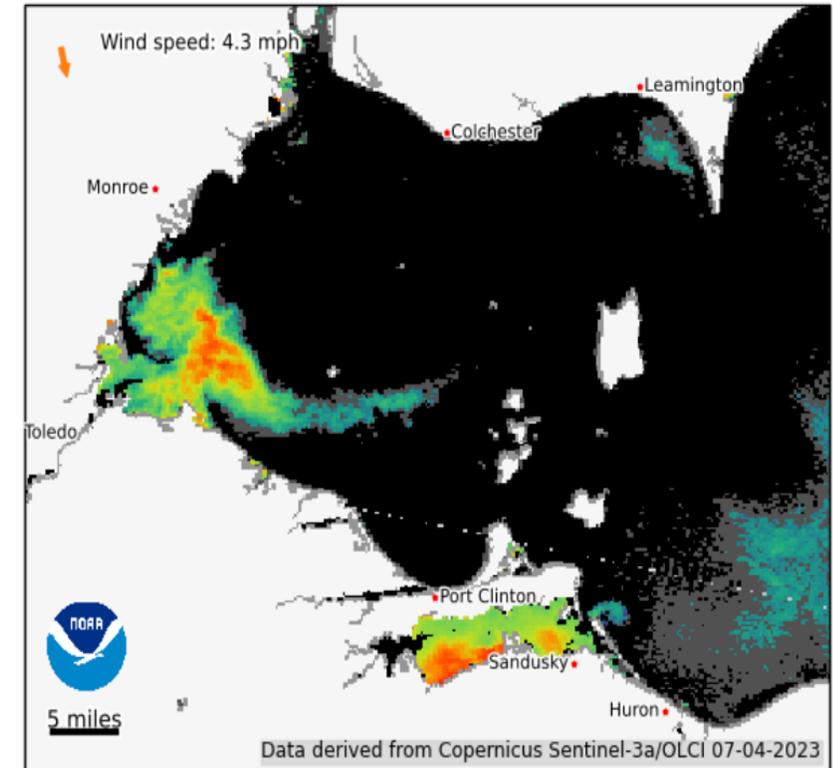
Algal Blooms are a Global Issue



Green Bay and Lake Winnebago



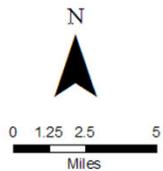
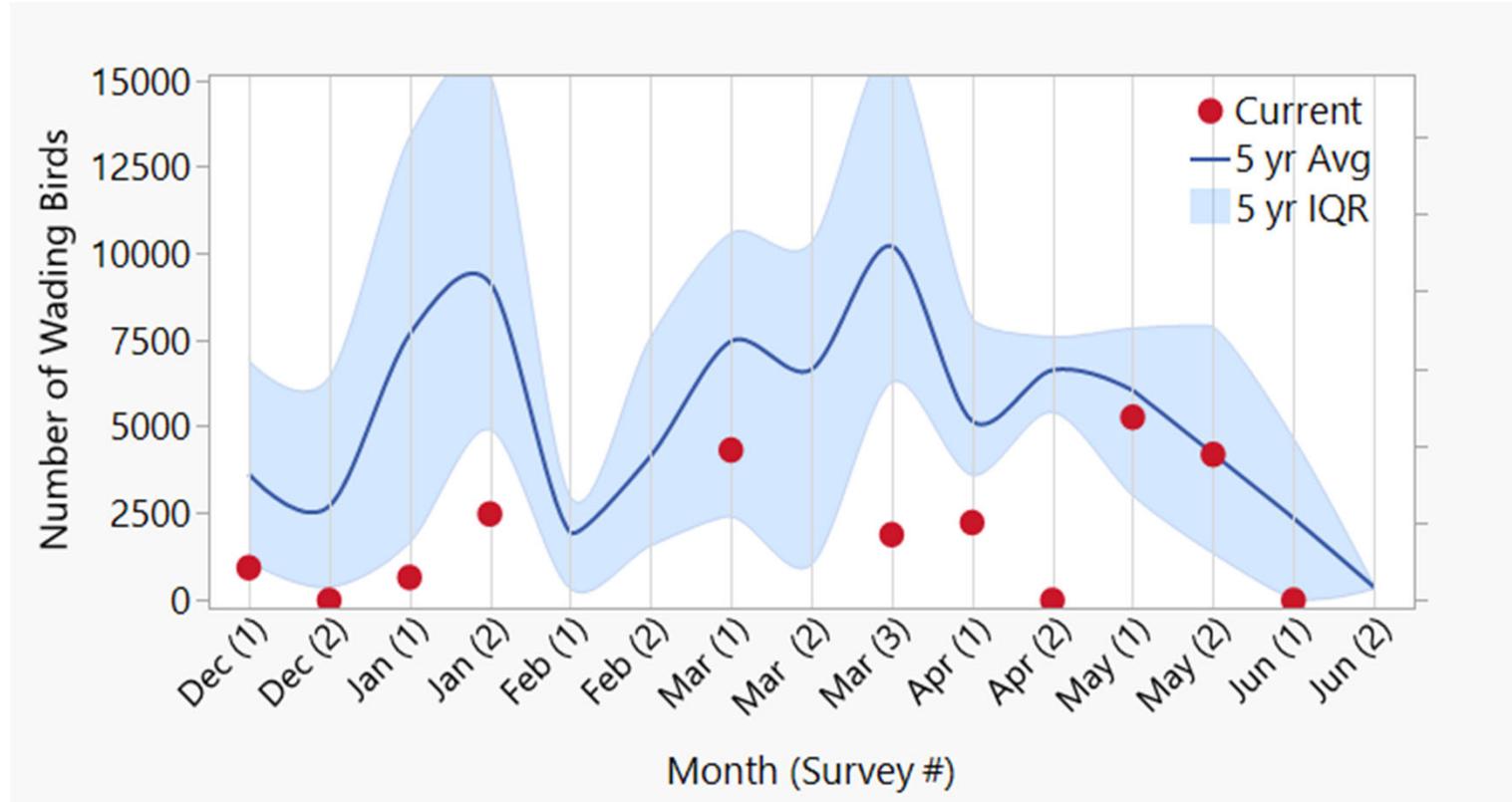
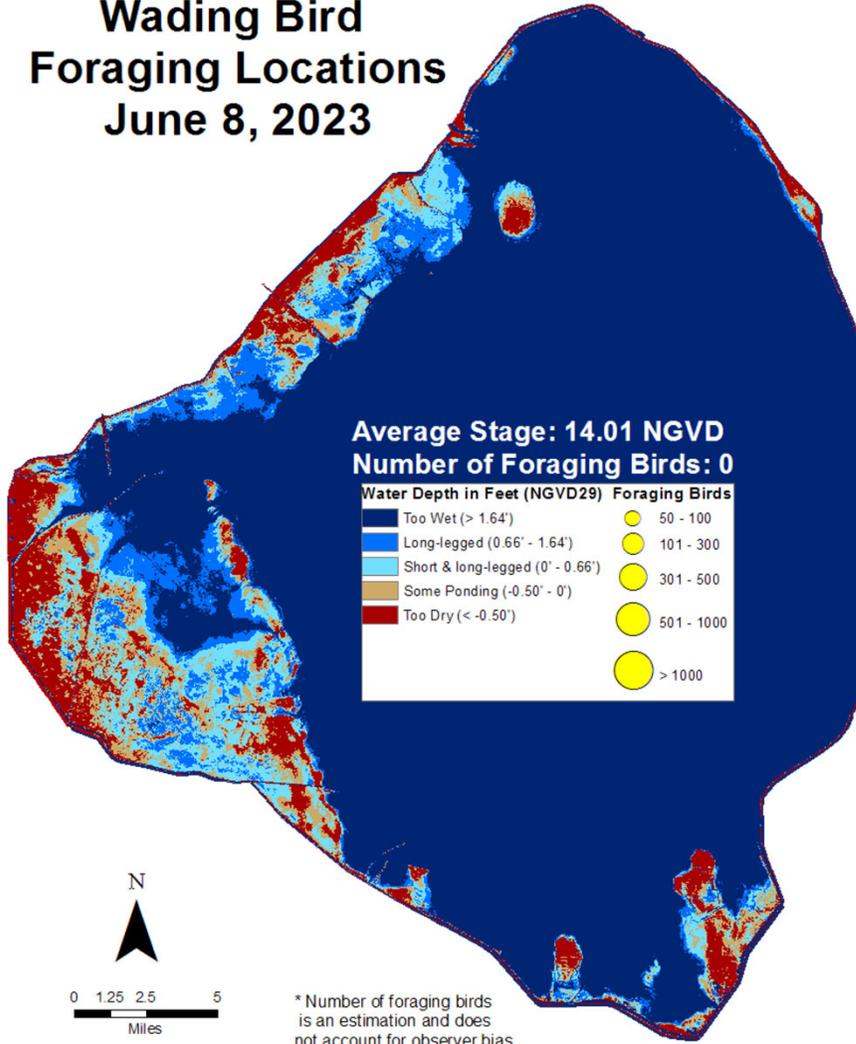
Lake Pontchartrain



Lake Erie

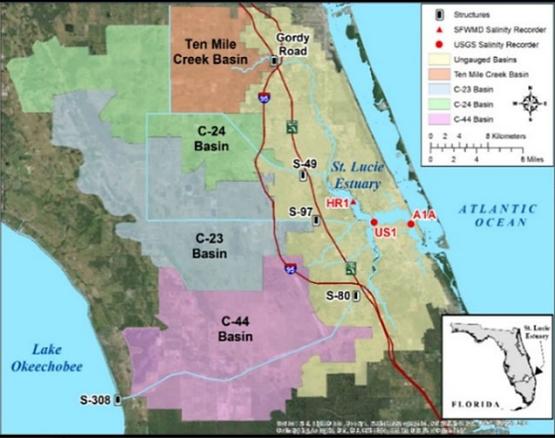
Lake Okeechobee Foraging Wading Birds

Wading Bird
Foraging Locations
June 8, 2023



* Number of foraging birds is an estimation and does not account for observer bias

St. Lucie Inflows and Salinity Conditions

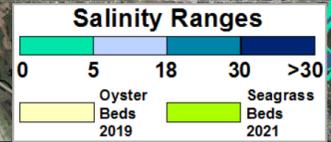
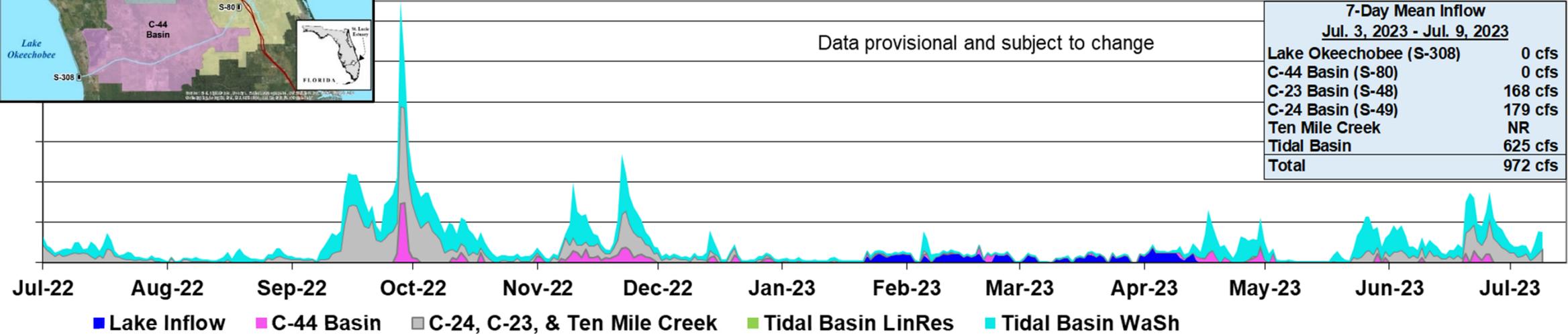


Total Daily Inflow into the St. Lucie Estuary

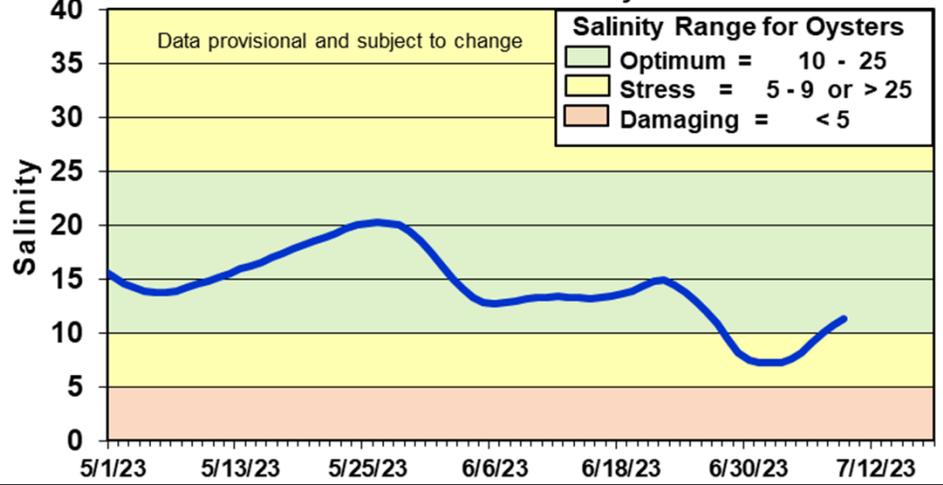
Data provisional and subject to change

7-Day Mean Inflow Jul. 3, 2023 - Jul. 9, 2023	
Lake Okeechobee (S-308)	0 cfs
C-44 Basin (S-80)	0 cfs
C-23 Basin (S-48)	168 cfs
C-24 Basin (S-49)	179 cfs
Ten Mile Creek	NR
Tidal Basin	625 cfs
Total	972 cfs

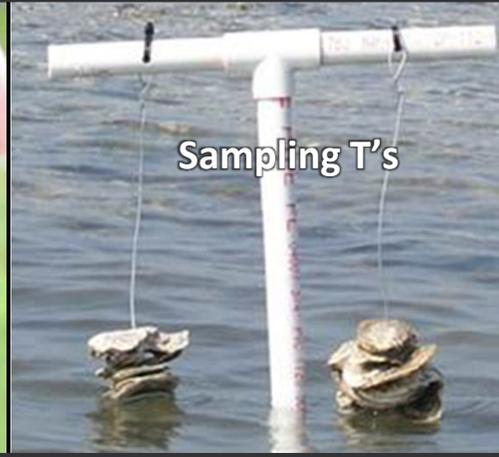
12,000
10,000
8,000
6,000
4,000
2,000
0
Total Flow (cfs)



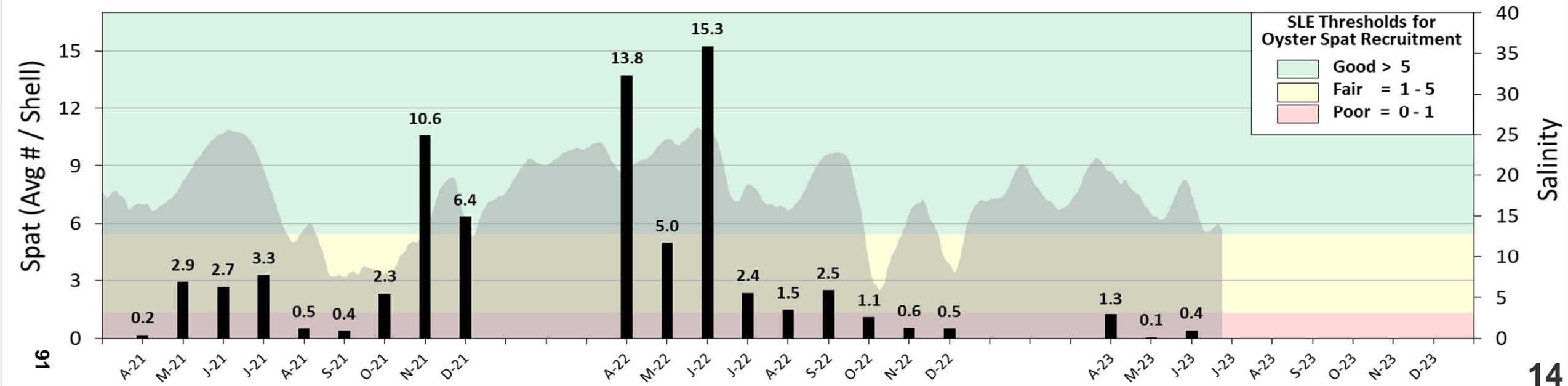
Seven-day mean salinity of the water column at US1 Bridge in the St. Lucie Estuary



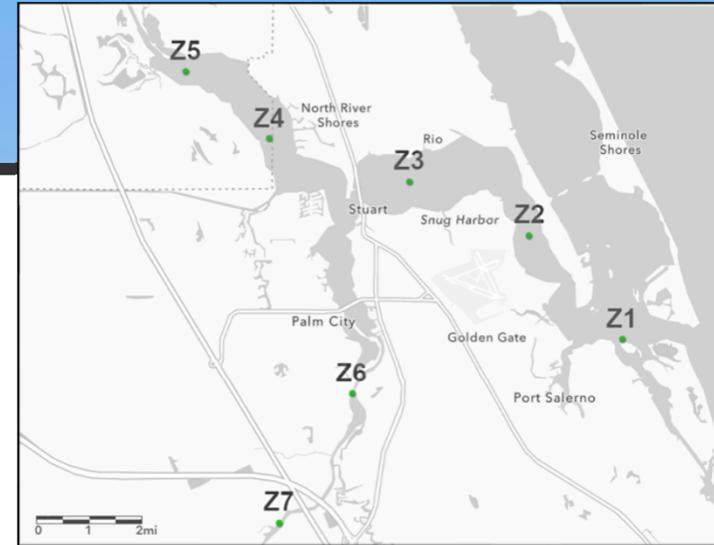
St. Lucie Estuary – Oyster Recruitment



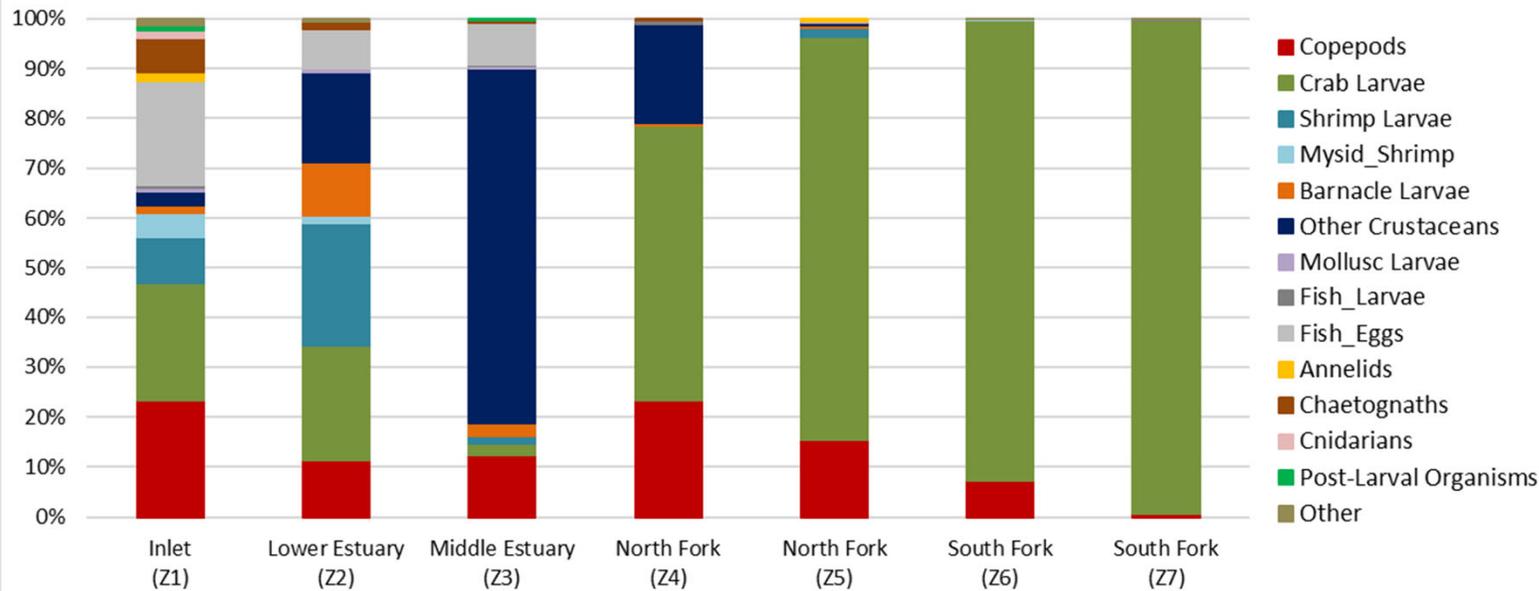
2021 - 2023 Rio Oyster Recruitment and 14-Day Mean Salinity at US1 Bridge



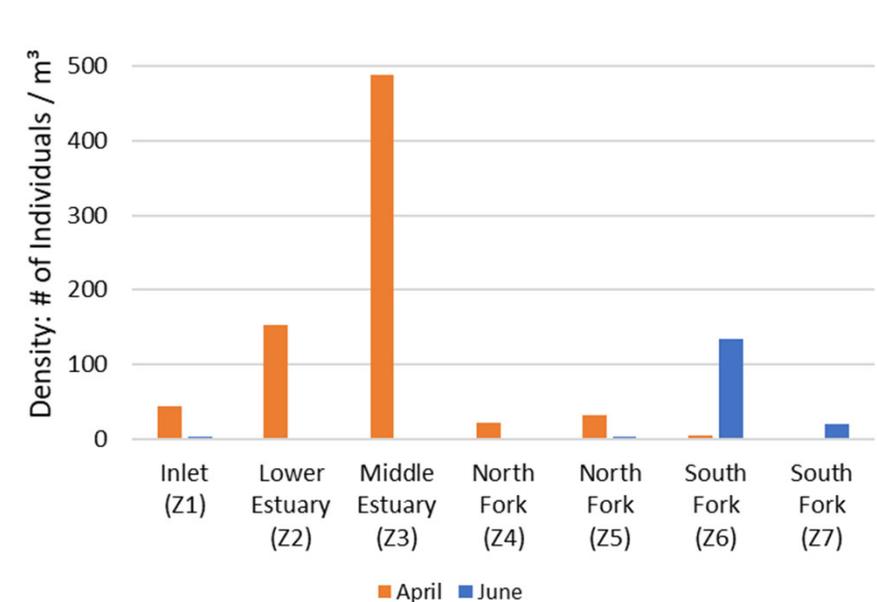
St. Lucie Estuary – Zooplankton Monitoring



Zooplankton Communities in the St. Lucie Estuary



Zooplankton Density in the St. Lucie River



Southern IRL Seagrass Mapping



Seagrass Mapping (2019-2021)

Mapping efforts led by SJRWMD

- Completed every 2-3 years
- Two-year process

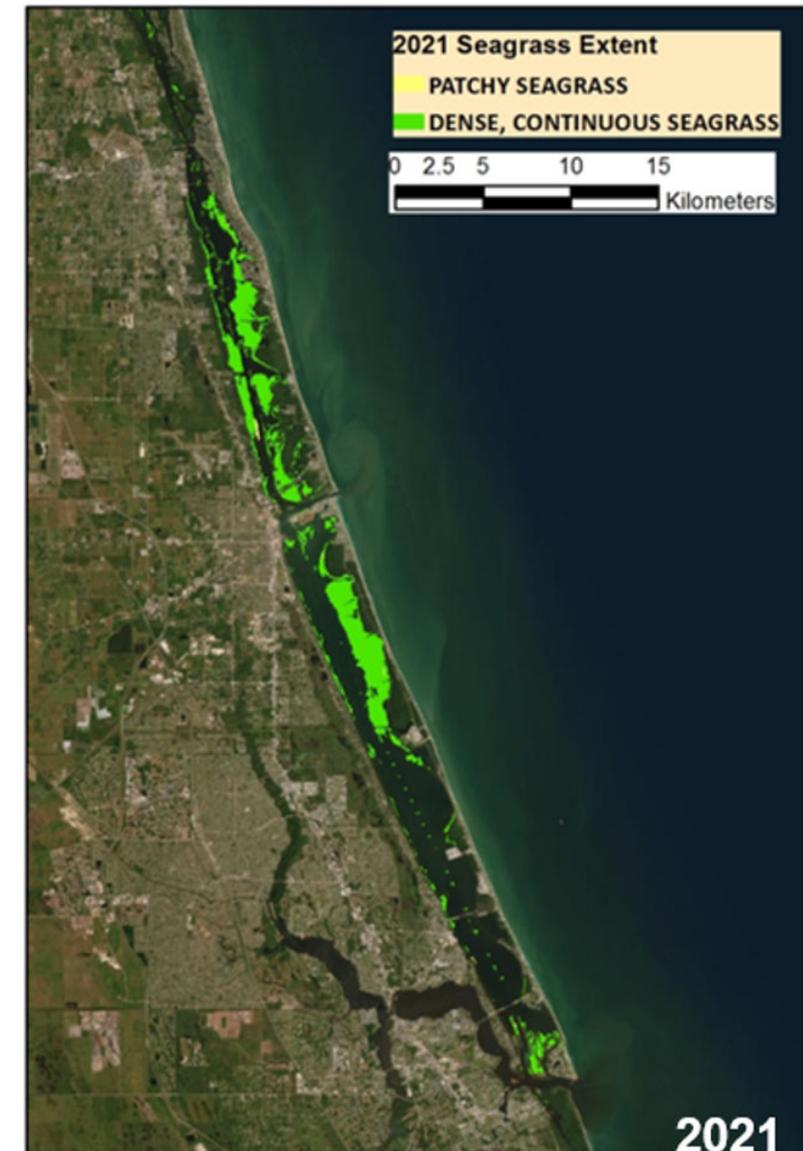
IRLS are mapped

- Ft. Pierce to Jupiter Inlet
- 45 miles in length
- 50 square miles

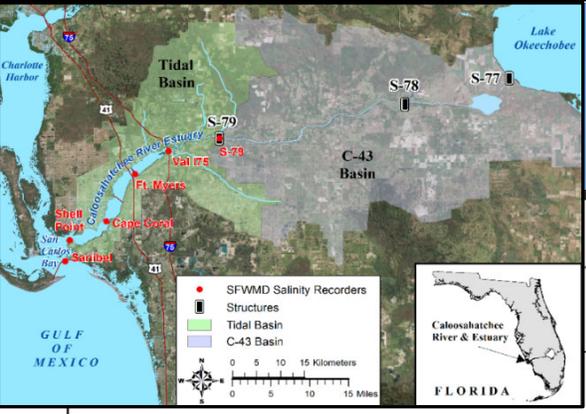
Total Mapped Acreage

- 2019: 7,602 acres
- 2021: 6,910 acres
- 9% loss from 2019 to 2021

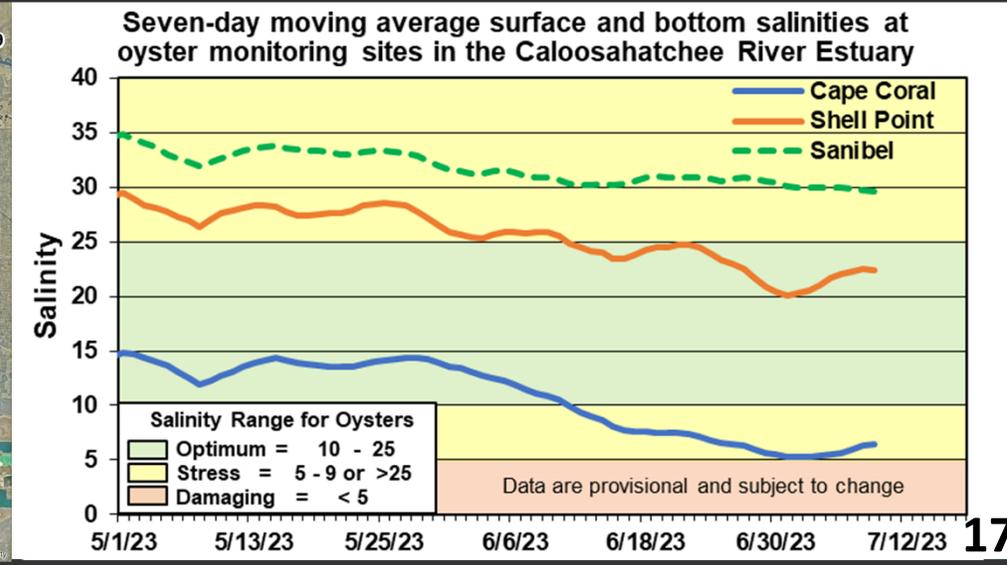
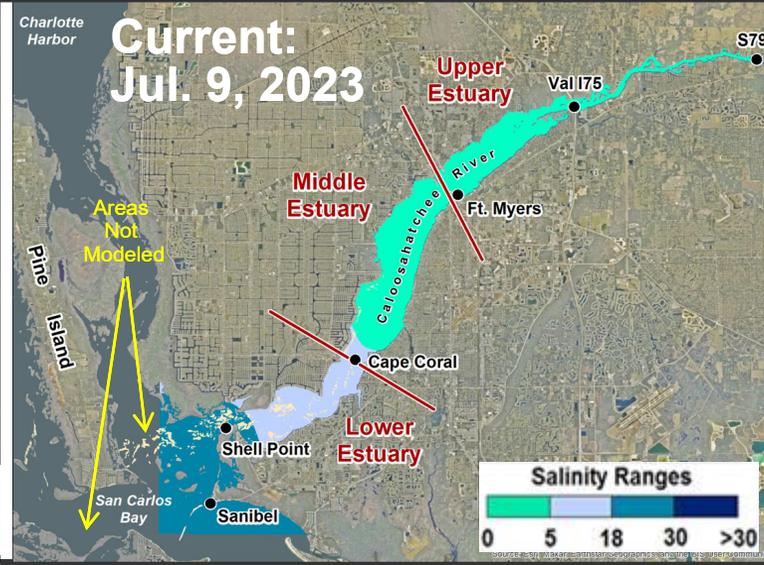
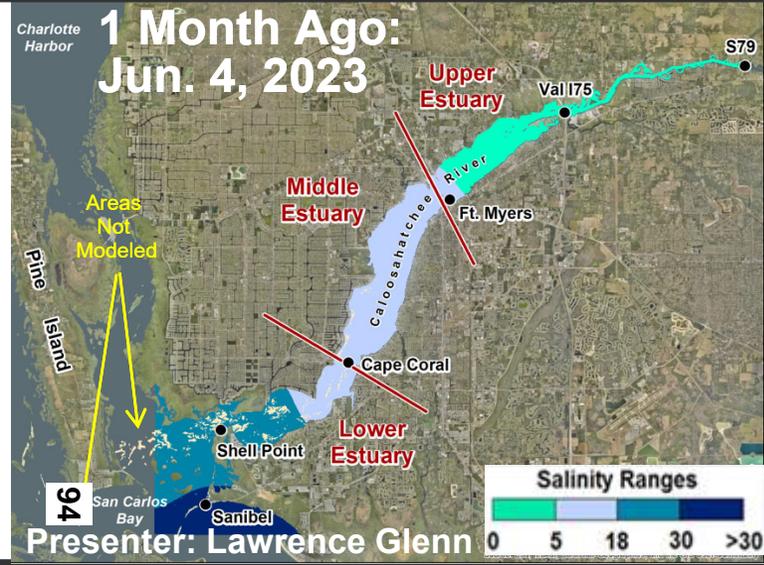
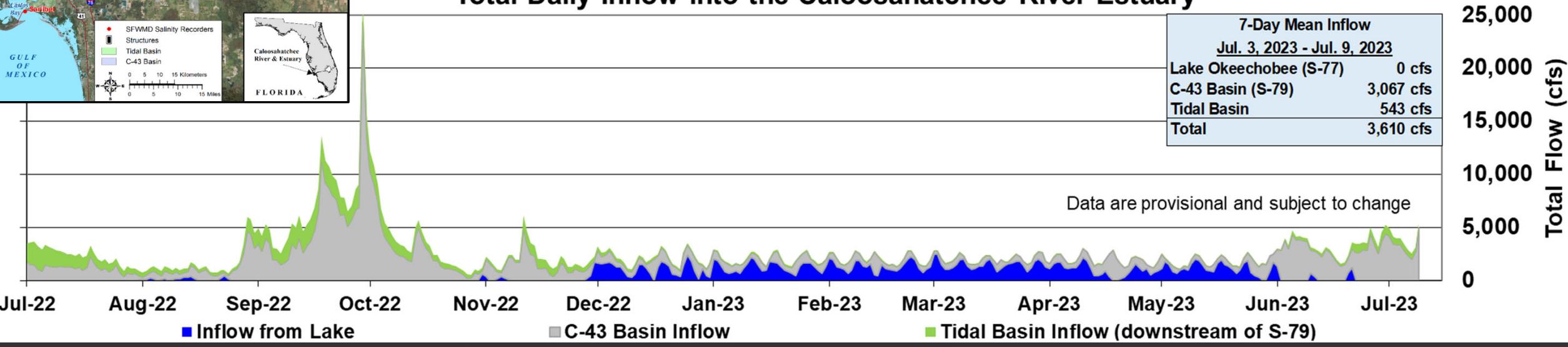
Presenter: Lawrence Glenn



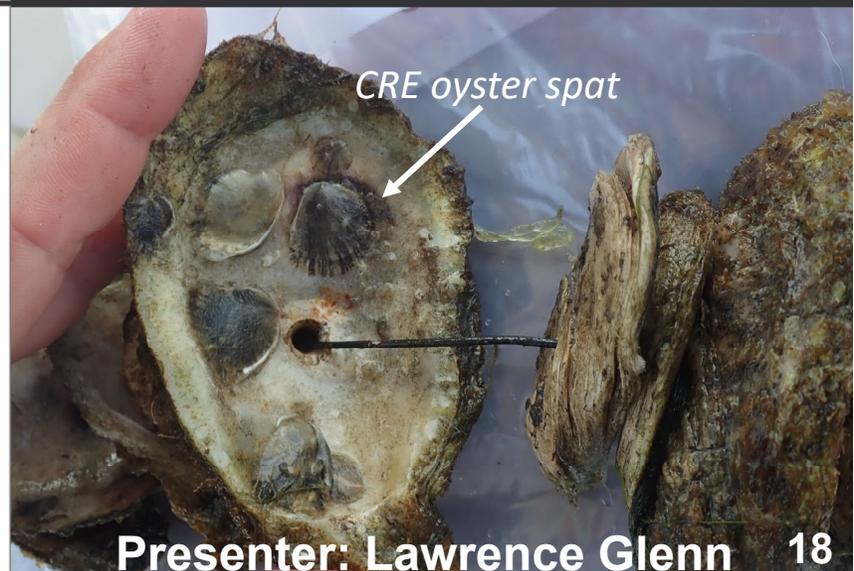
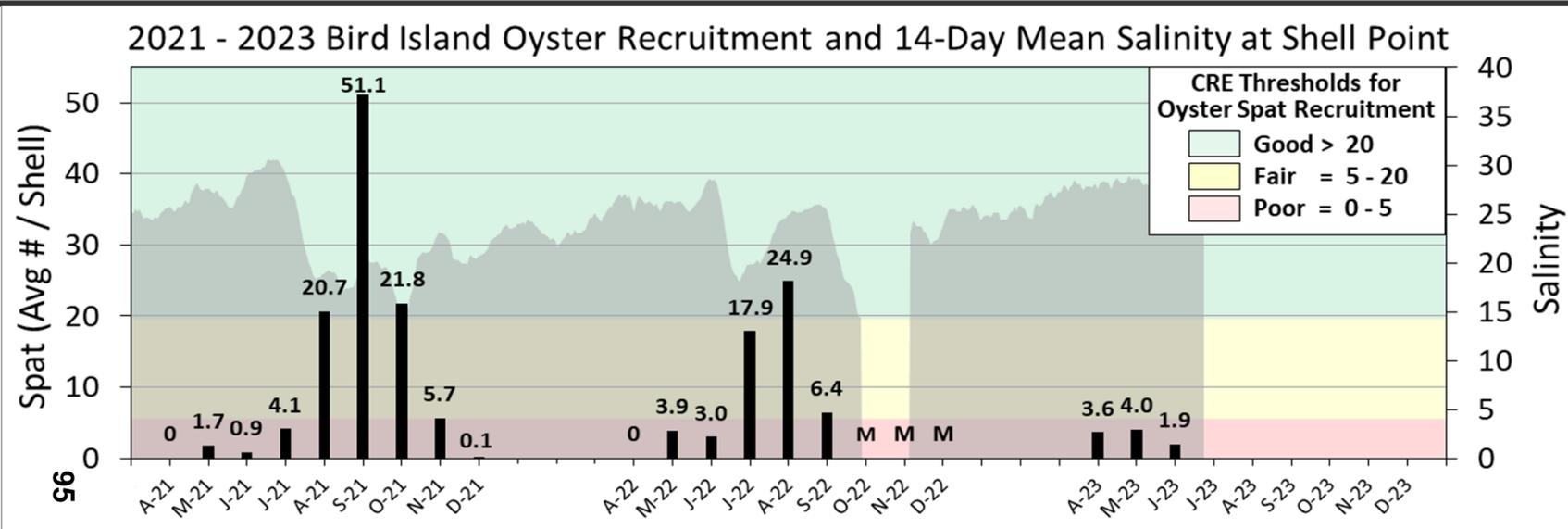
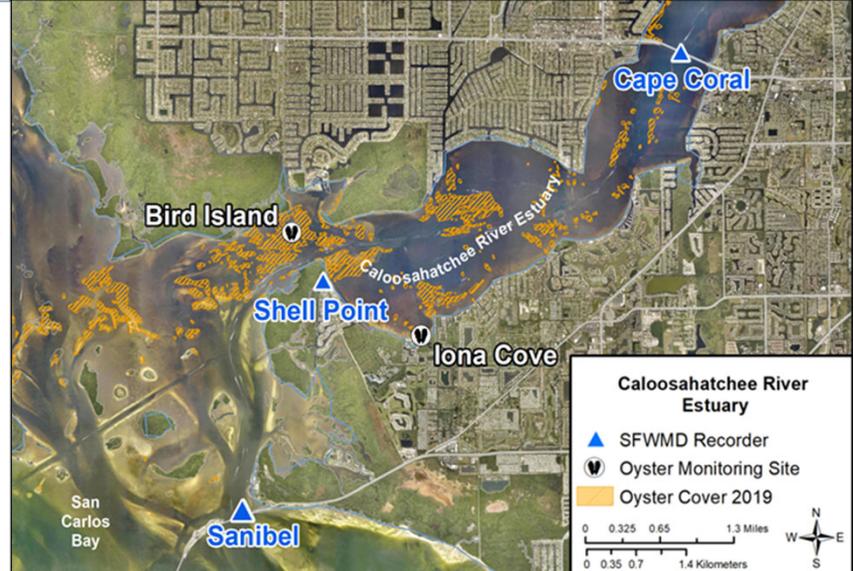
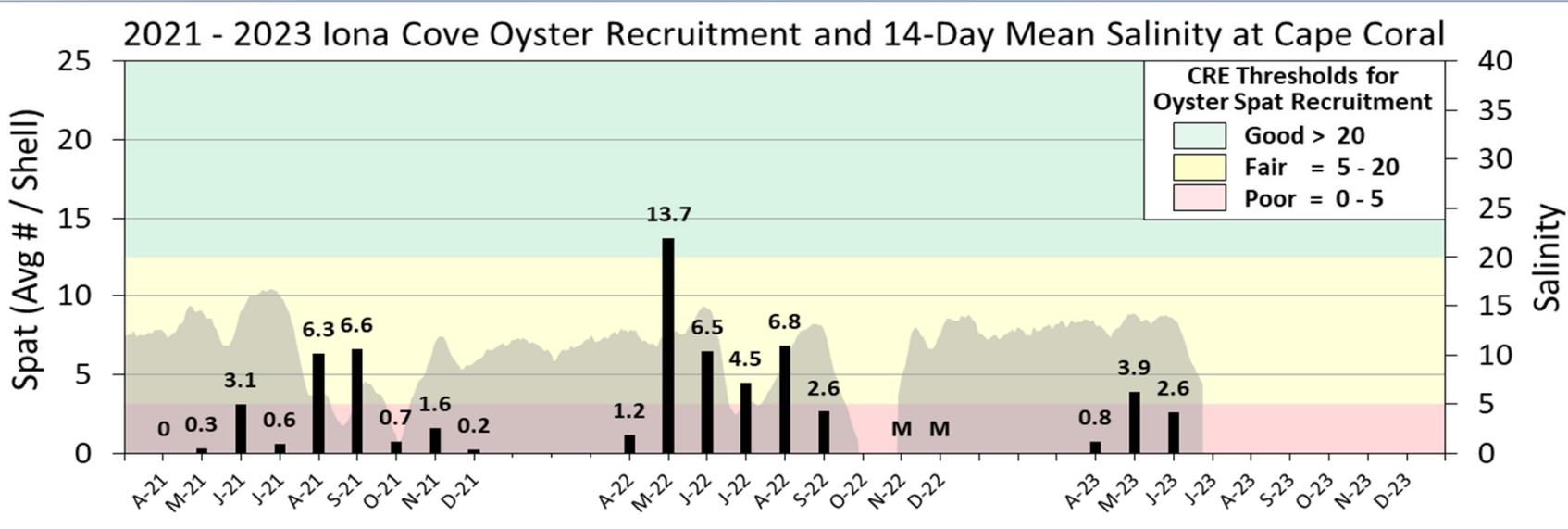
Caloosahatchee Inflows and Salinity Conditions



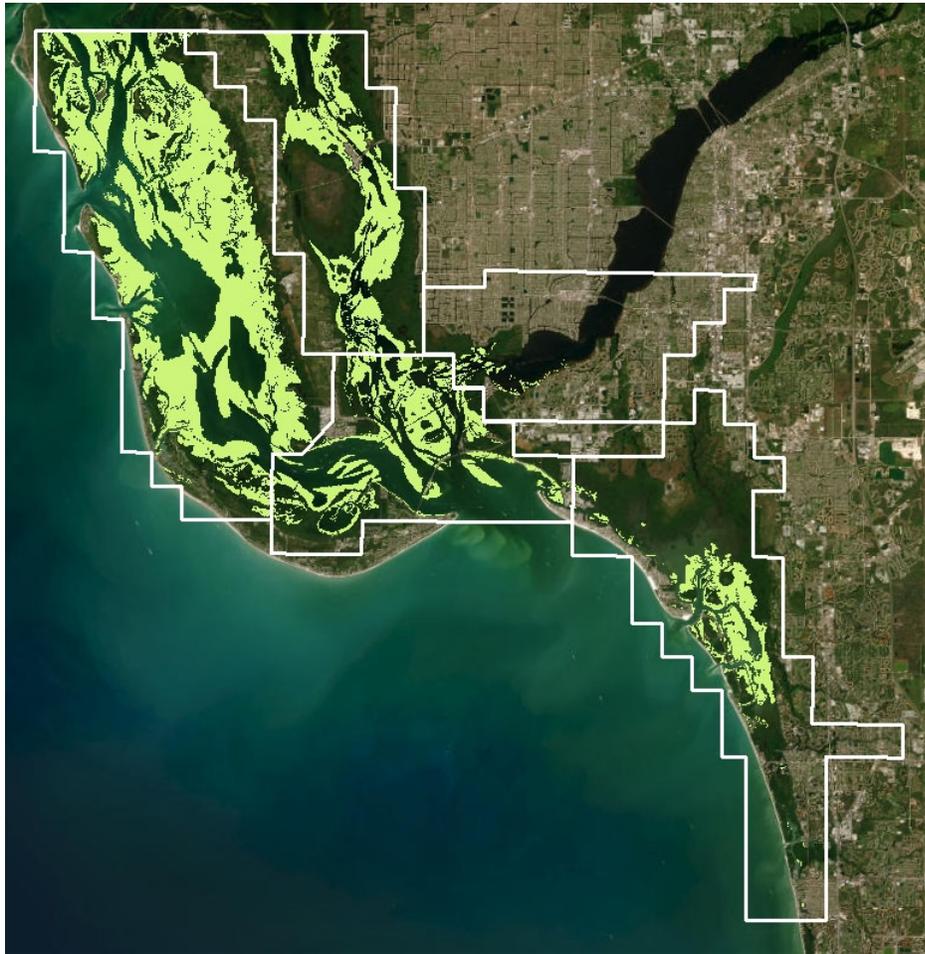
Total Daily Inflow into the Caloosahatchee River Estuary



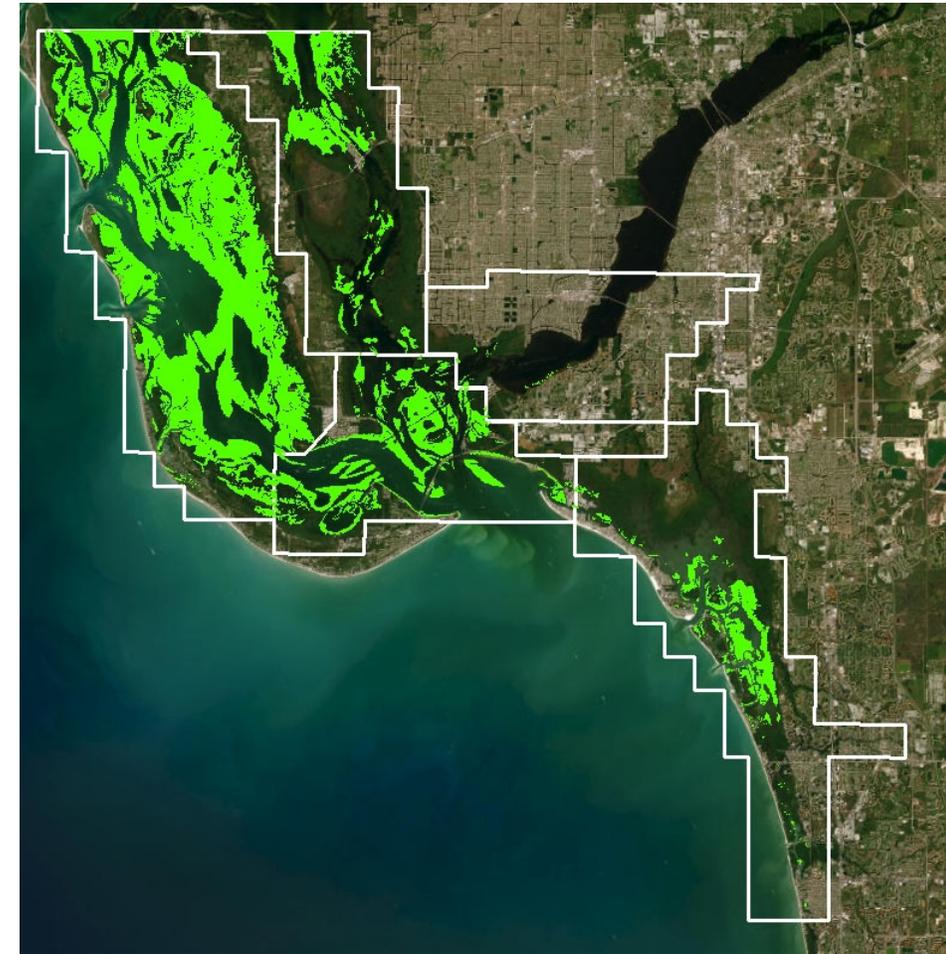
Caloosahatchee Estuary – Oyster Recruitment



Caloosahatchee River Estuary



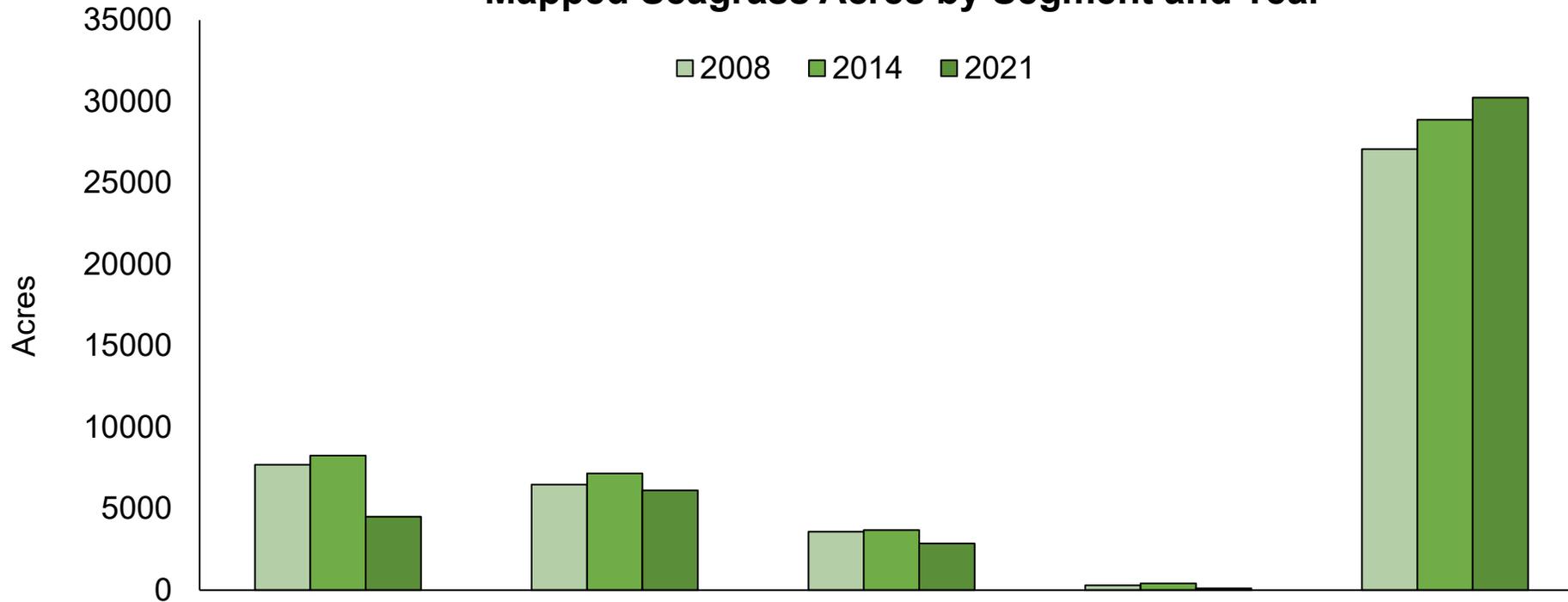
2014



2021

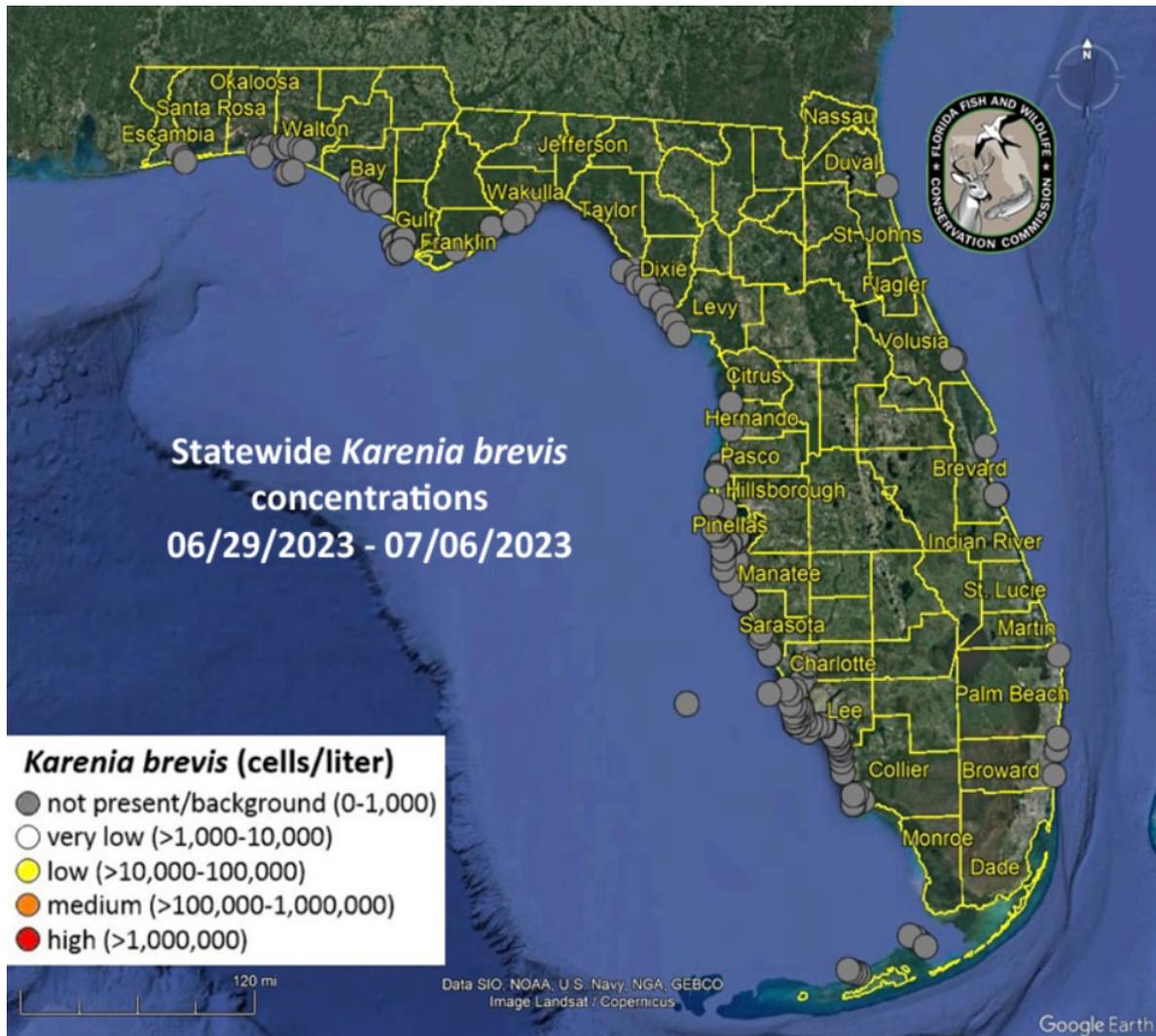
Caloosahatchee River Estuary Seagrass Mapping

Mapped Seagrass Acres by Segment and Year



	Matlacha Pass	San Carlos Bay	Estero Bay	Tidal Caloosahatchee	Pine Island Sound
Loss/Gain	- 3,769	- 1,041	- 816	- 297	+ 1,355
% Change	↓ 46 %	↓ 15 %	↓ 22 %	↓ 72 %	↑ 4 %

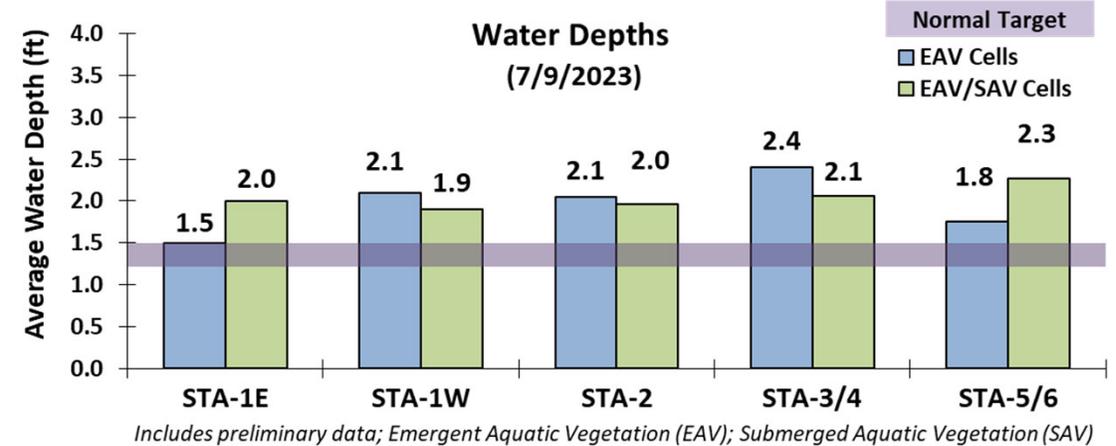
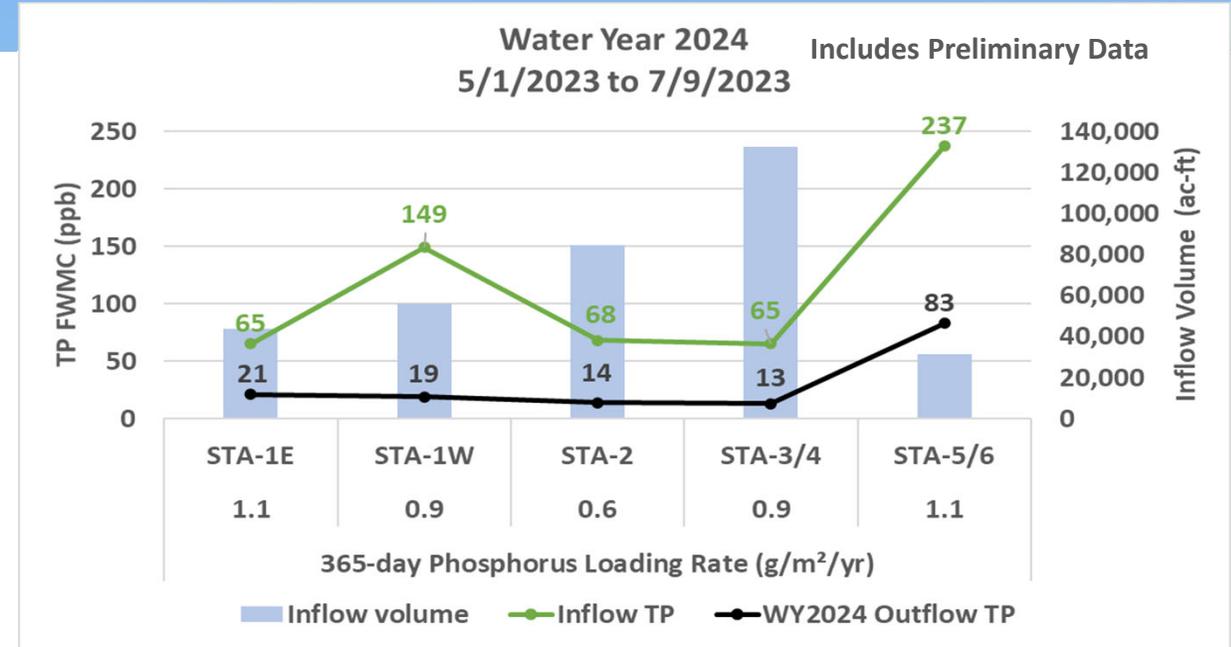
Florida Fish And Wildlife Research Institute Red Tide Status – July 7, 2023



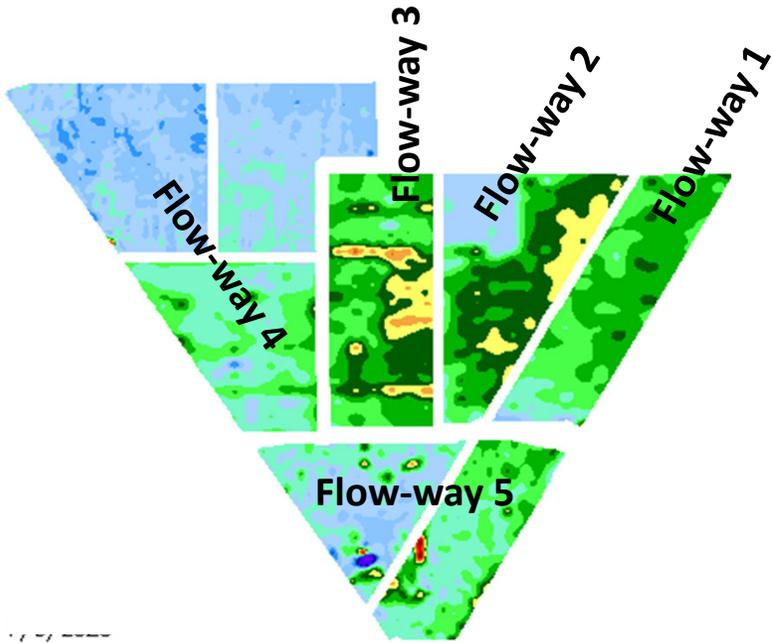
- *Karenia brevis* was not observed at bloom concentrations (>100,000 cells/liter) in any samples collected within the District region.
- Respiratory irritation and fish kills (suspected to be related to red tide) were not reported within the District region.
- On the East coast, red tide was not observed in any samples collected from Palm Beach County.

Everglades Stormwater Treatment Areas (STAs)

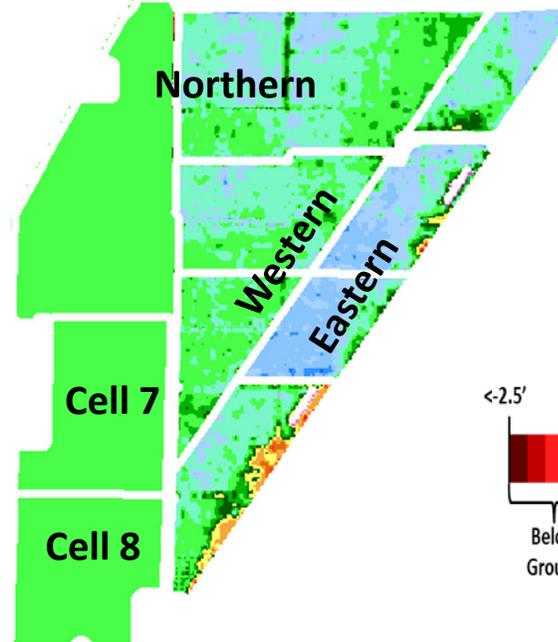
- STAs treated basin runoff in June
 - Total WY2024 inflows to STAs (5/1/2023 to 7/9/2023): ~345,000 ac-ft
 - Lake Okeechobee releases to FEB/STAs in WY2024: ~2,000 ac-ft
- Extensive vegetation management activities underway to address stressed and highly stressed vegetation especially in EAV cells
- Most treatment cells are at or above target depth



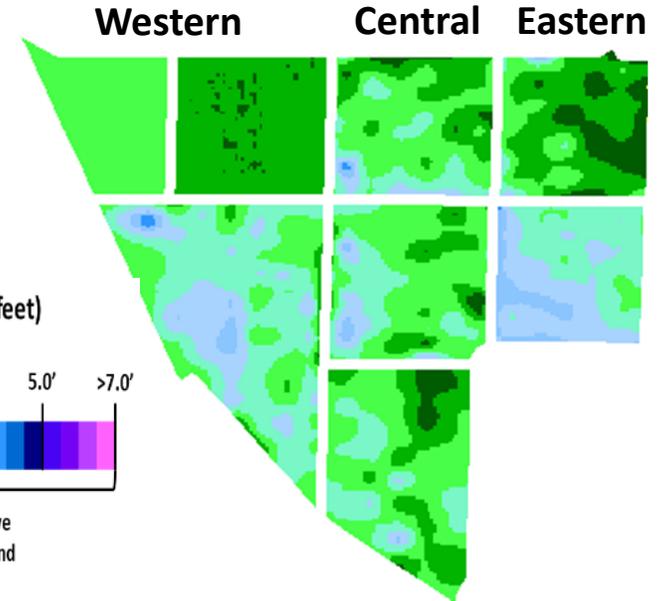
Stormwater Treatment Area Water Depths



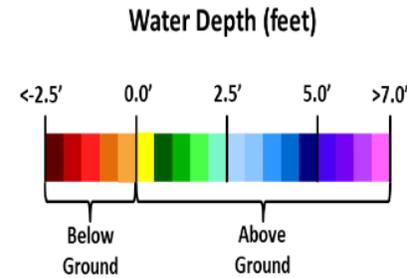
STA-2



STA-1W



STA-1E

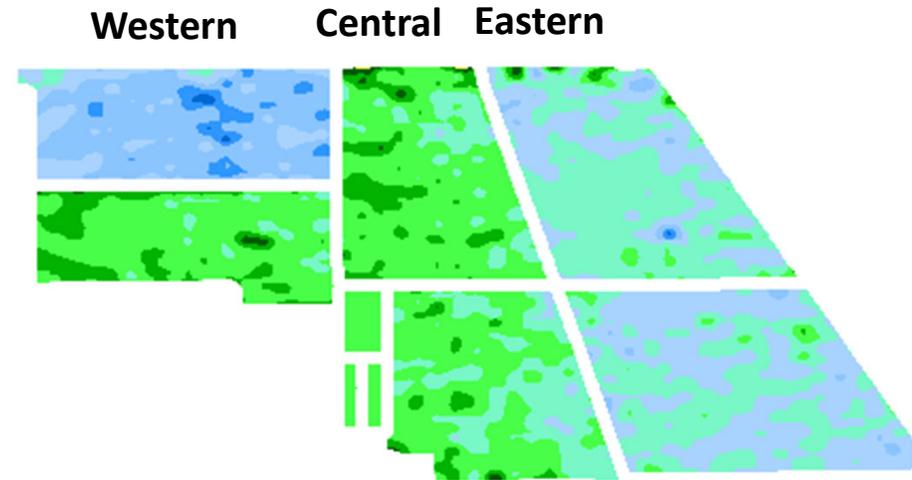
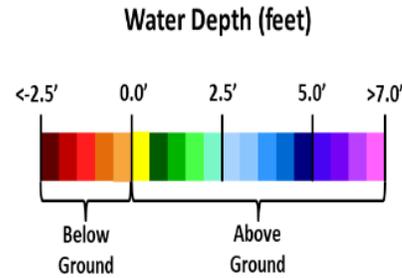
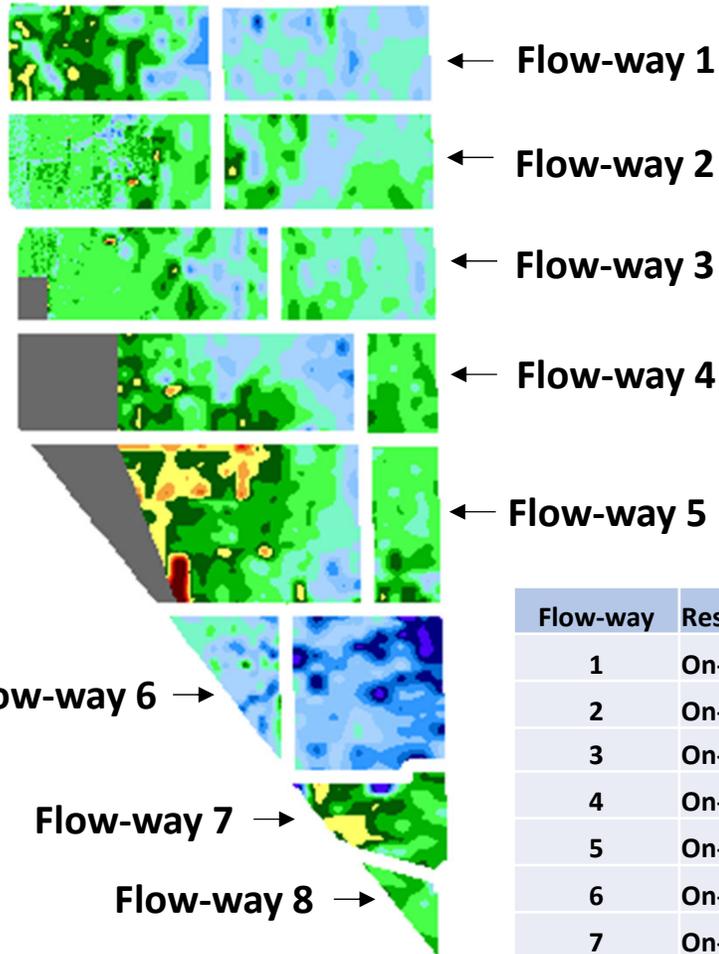


Flow-Way	Restrictions	Back on-line
1	On-line	
2	Off-line ; post-construction grow in	Late July
3	On-line; refurbishment - canal plug construction	
4	On-line; vegetation management	
5	On-line	

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

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

Stormwater Treatment Area Water Depths



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

Flow-way	Restrictions	Back on-line
Western	On-line	
Central	On-line	
Eastern	Off-line; vegetation rehabilitation	August

STA-3/4

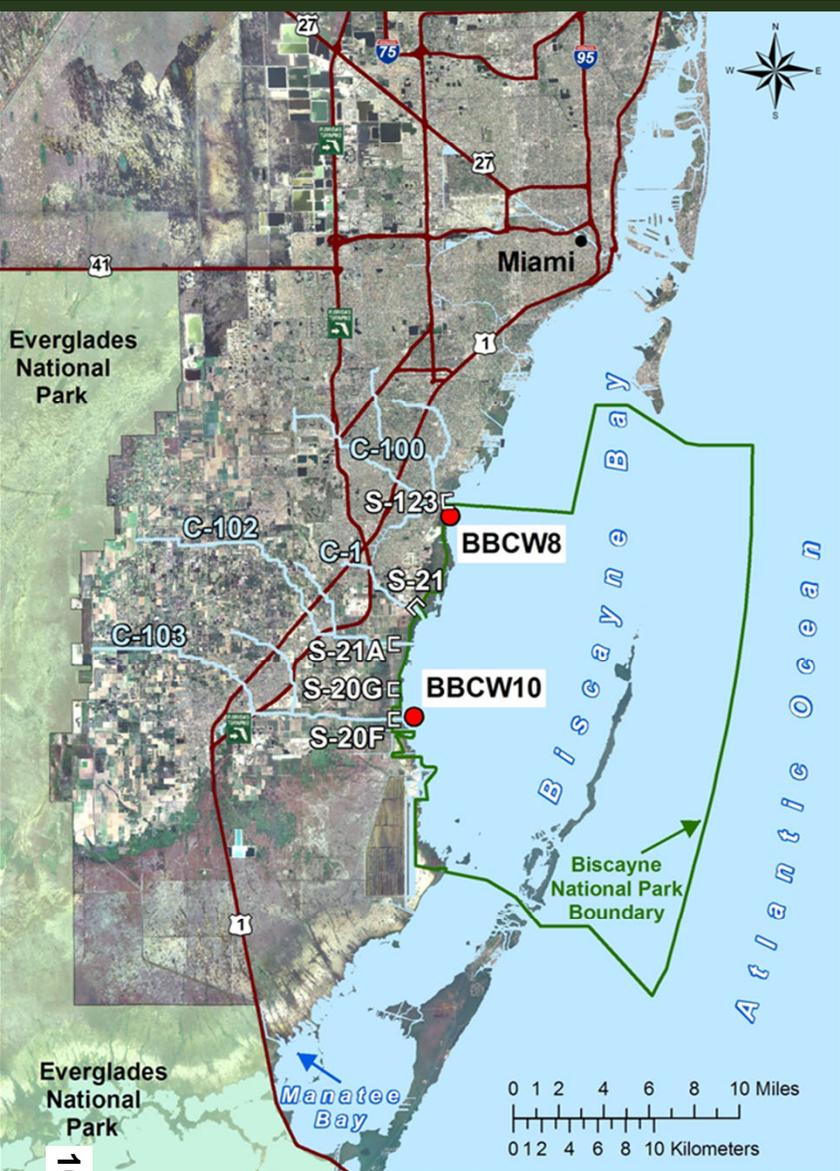
Flow-way 6 →

Flow-way 7 →

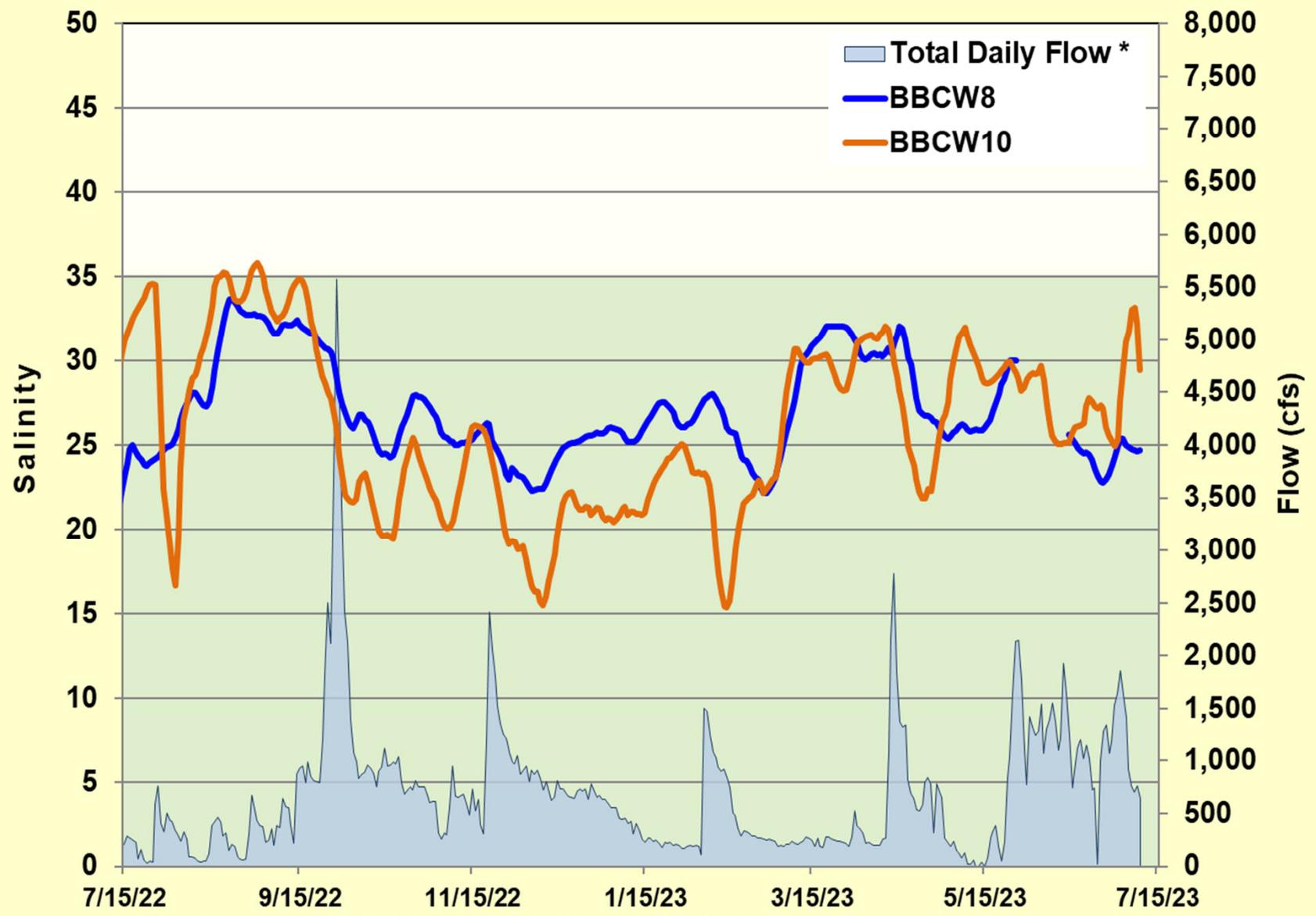
Flow-way 8 →

STA-5/6

Biscayne Bay



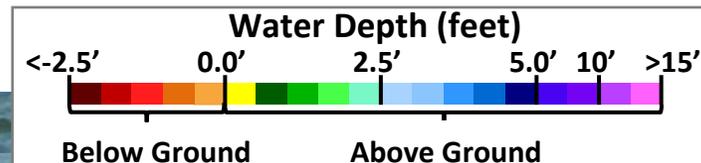
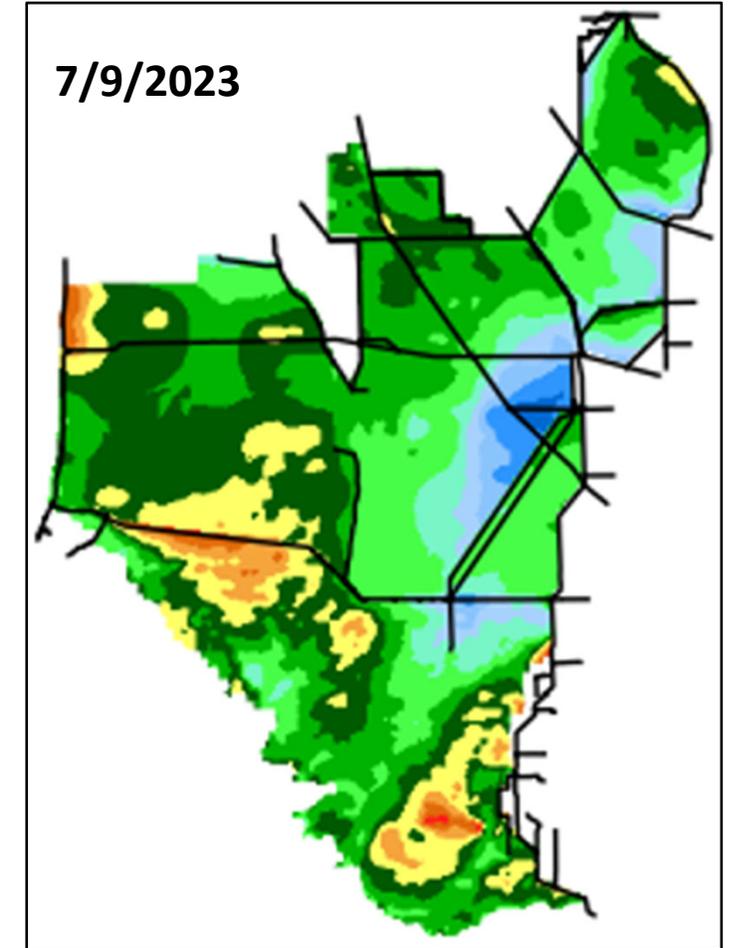
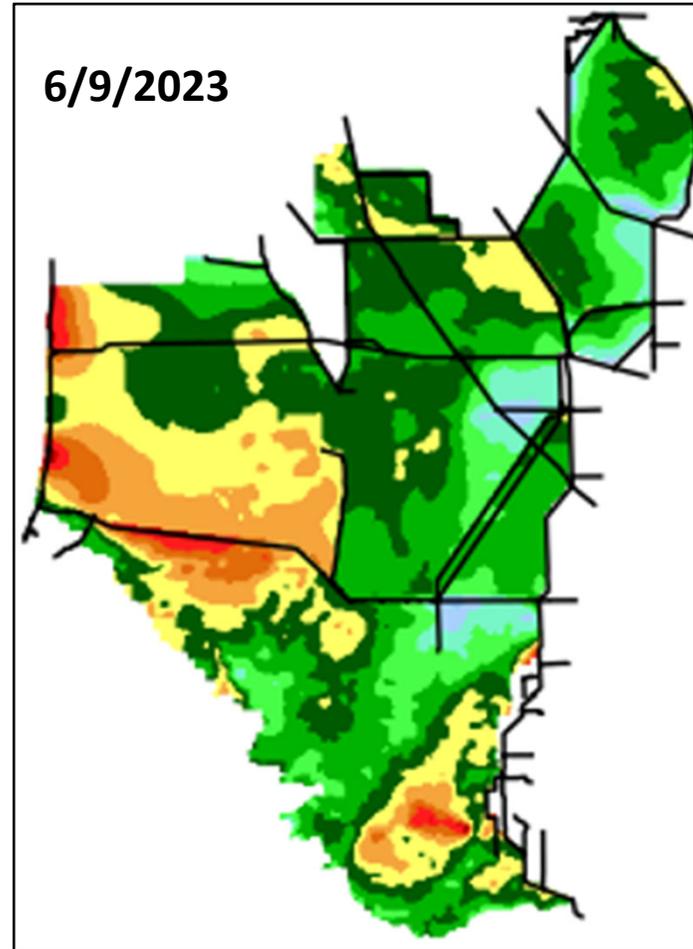
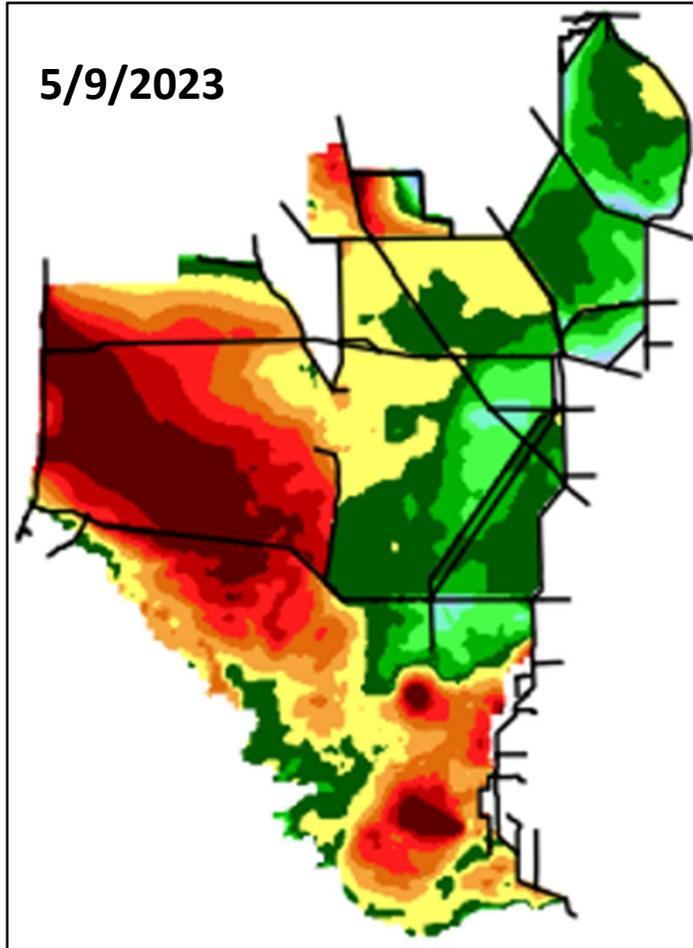
Seven-Day Mean Salinity (BBCW8 & BBCW10) & Total Daily Flow



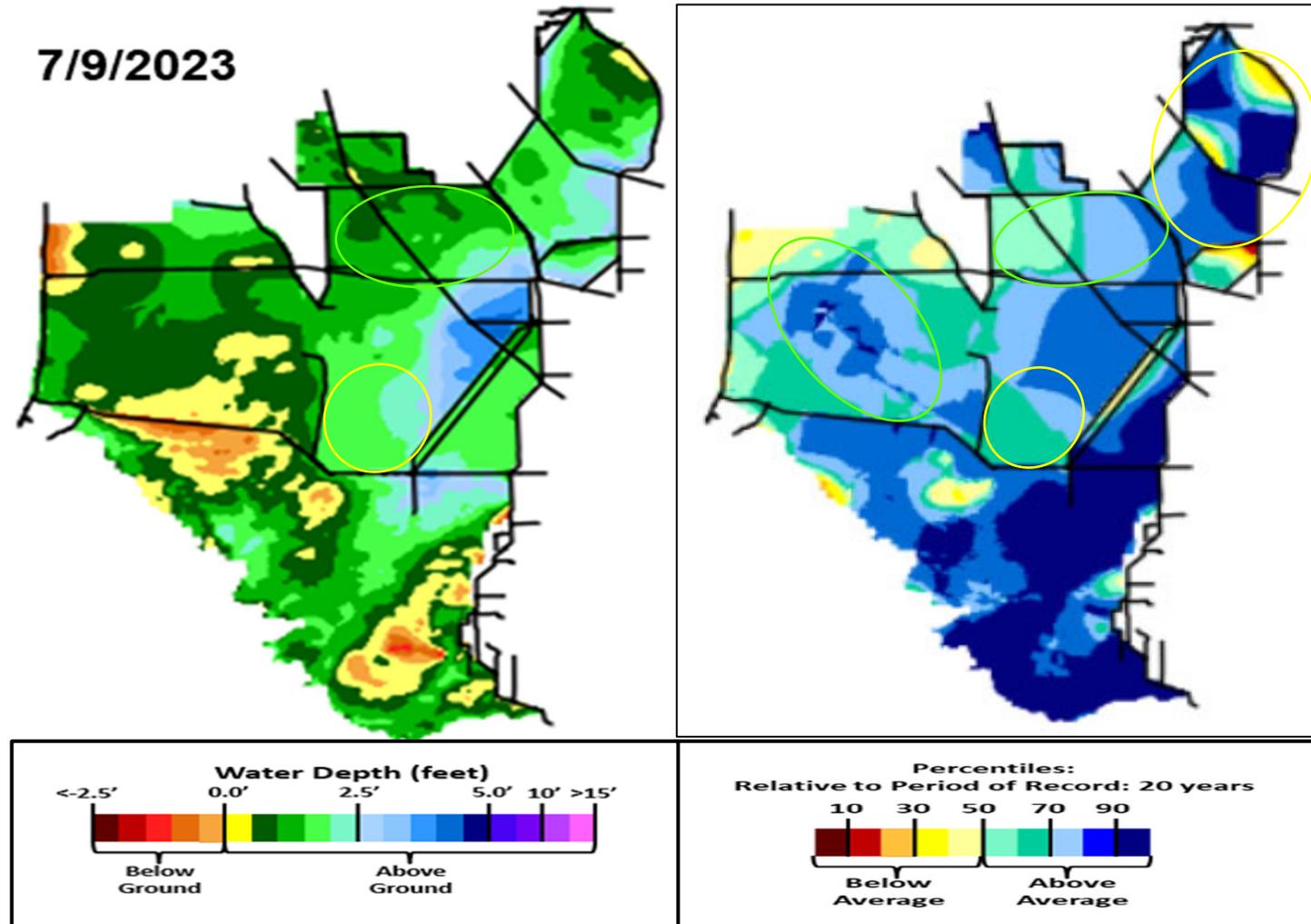
* Total flow from S20G, S20F, S21, S21A, S123, S700P

102

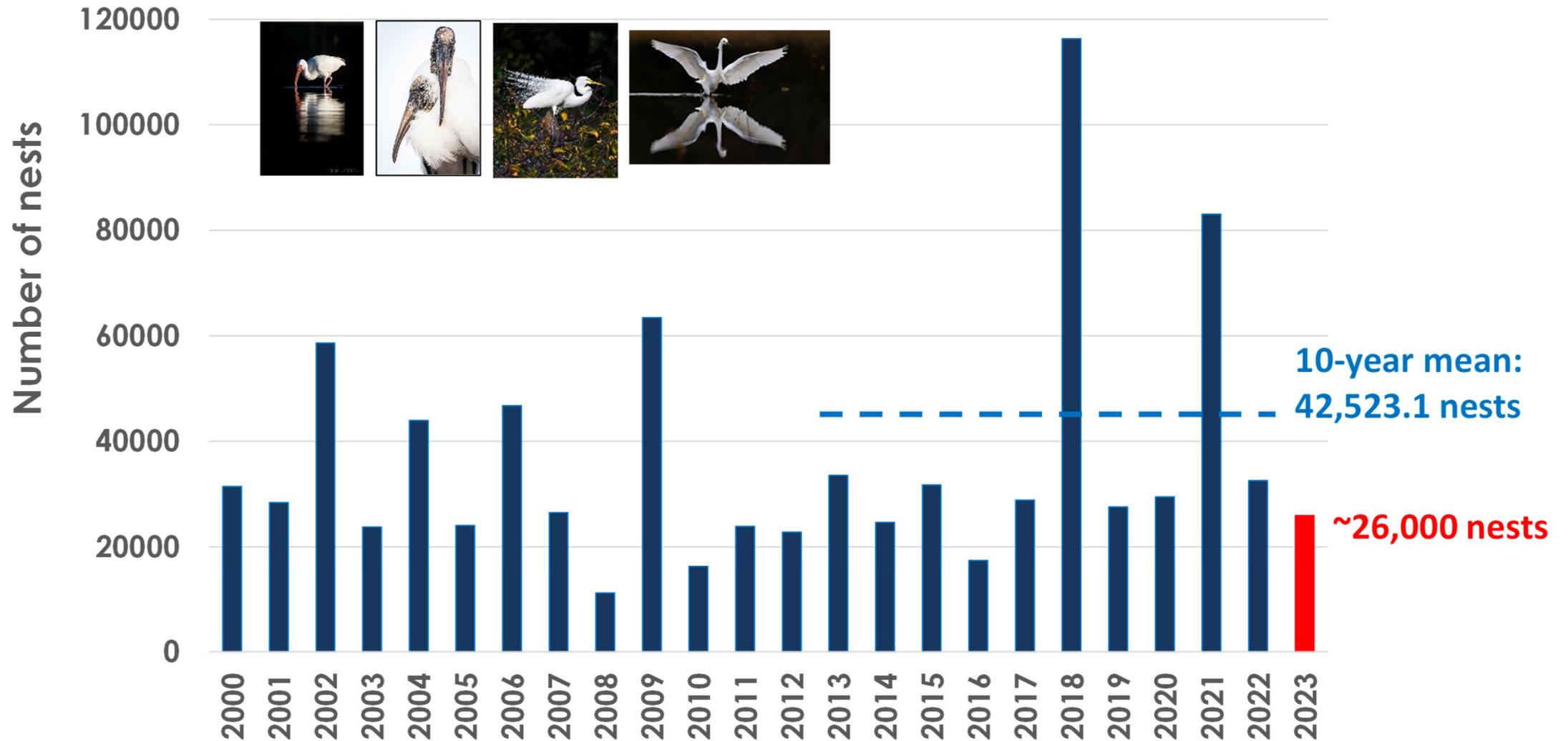
Everglades Water Depths



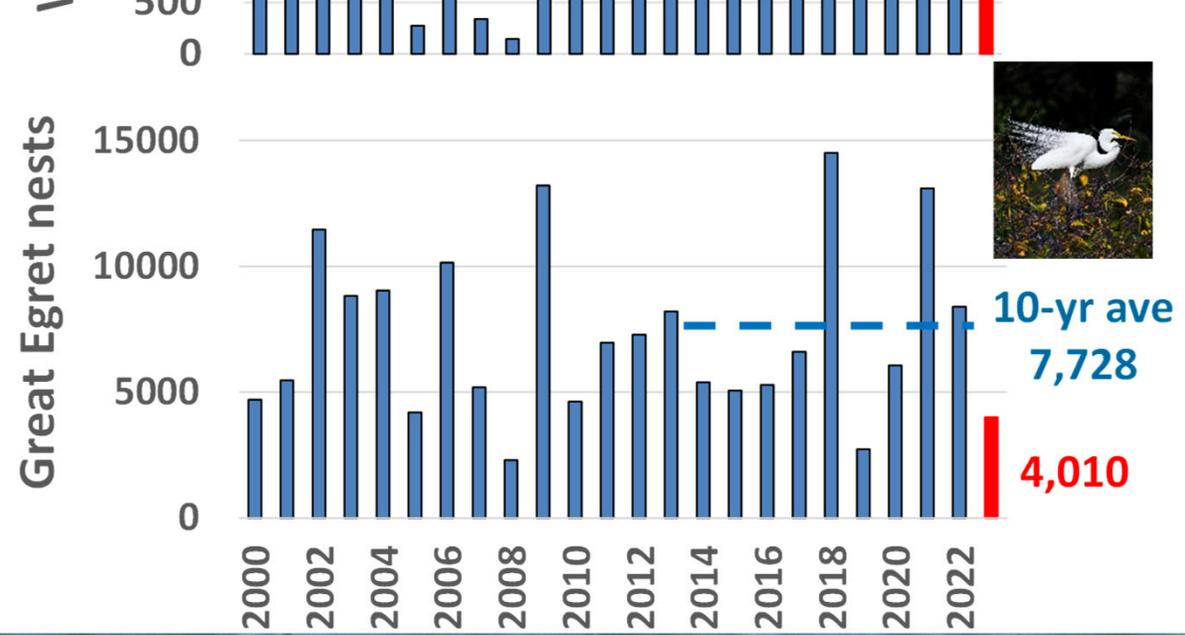
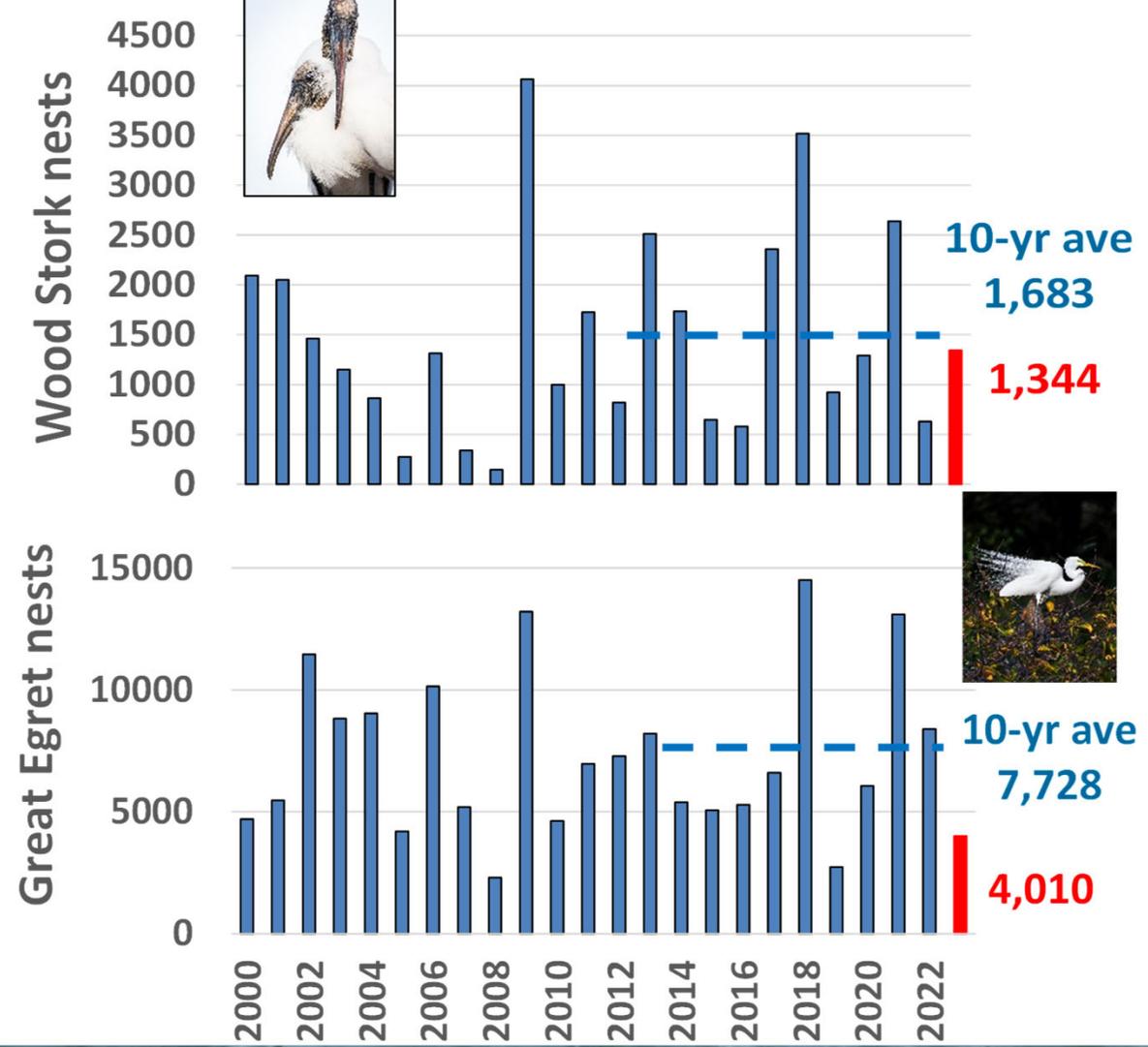
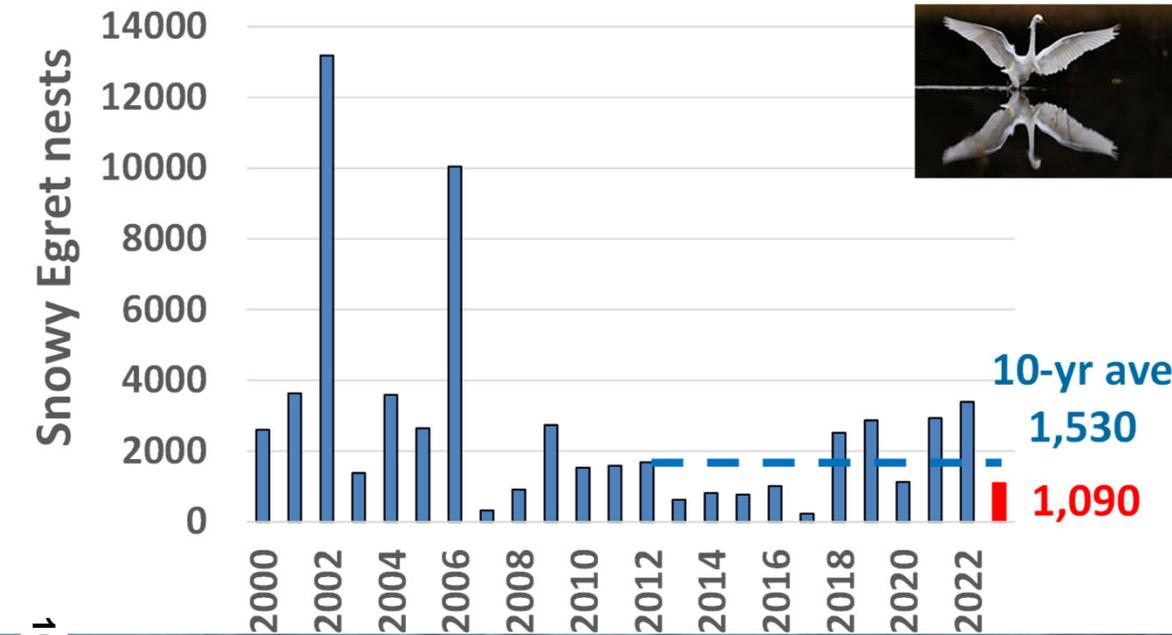
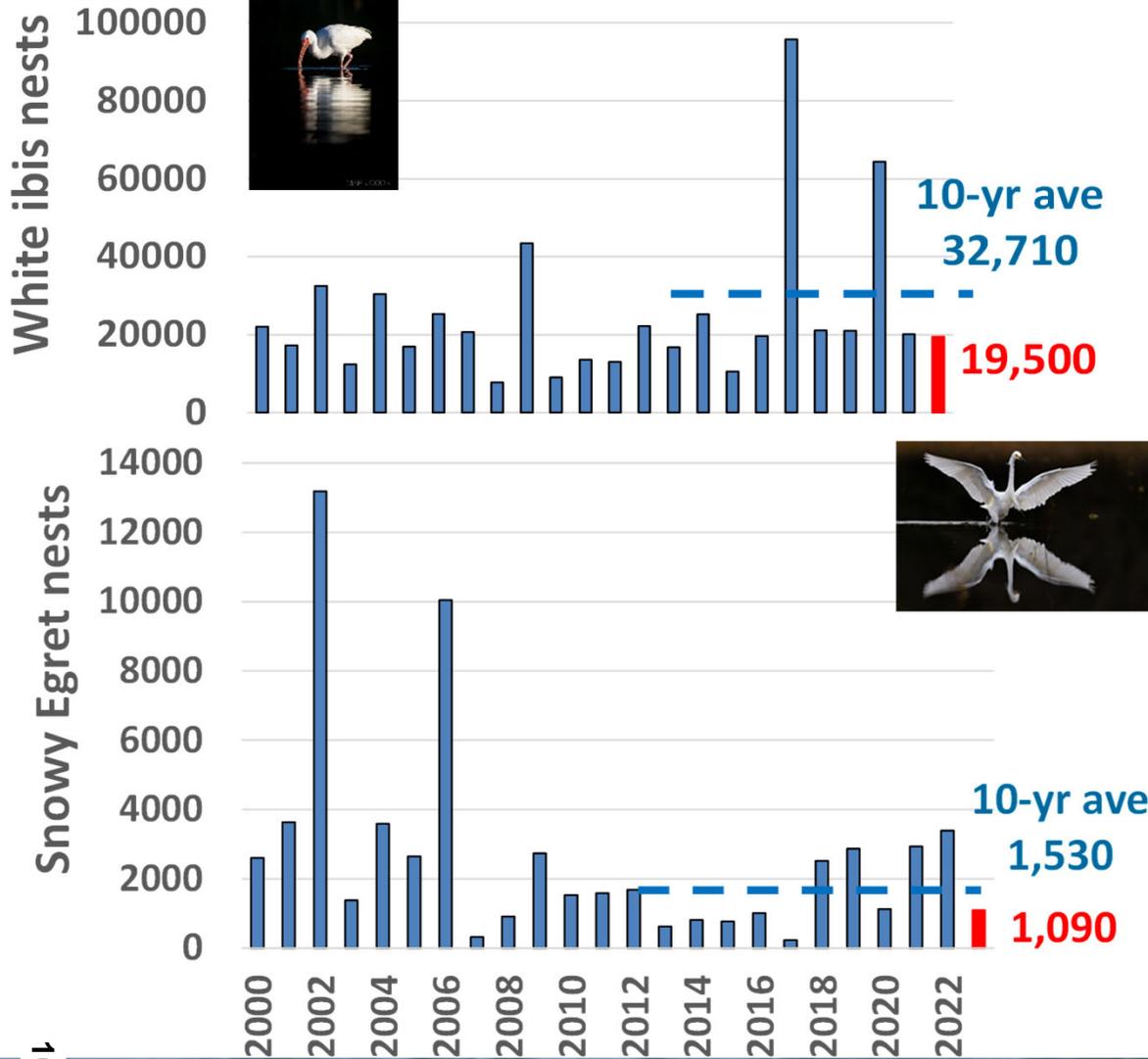
Everglades Depths Relative to 20-year Period of Record



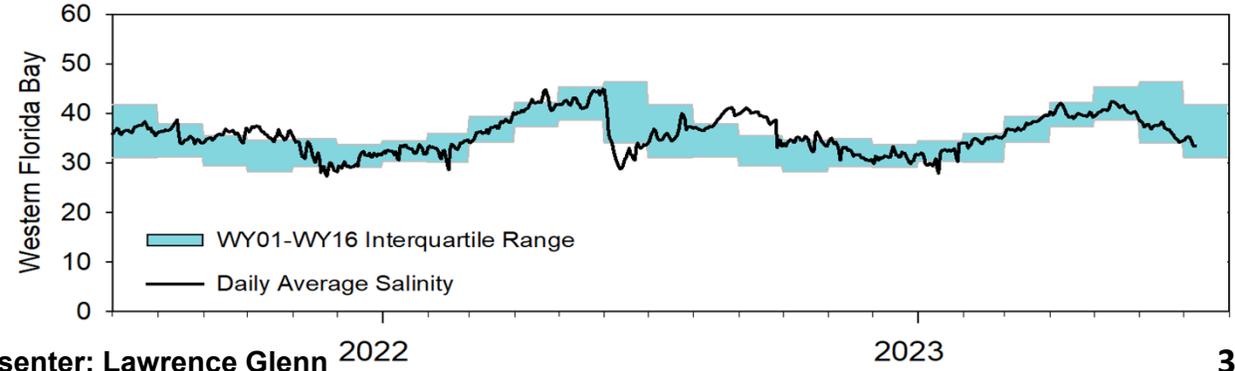
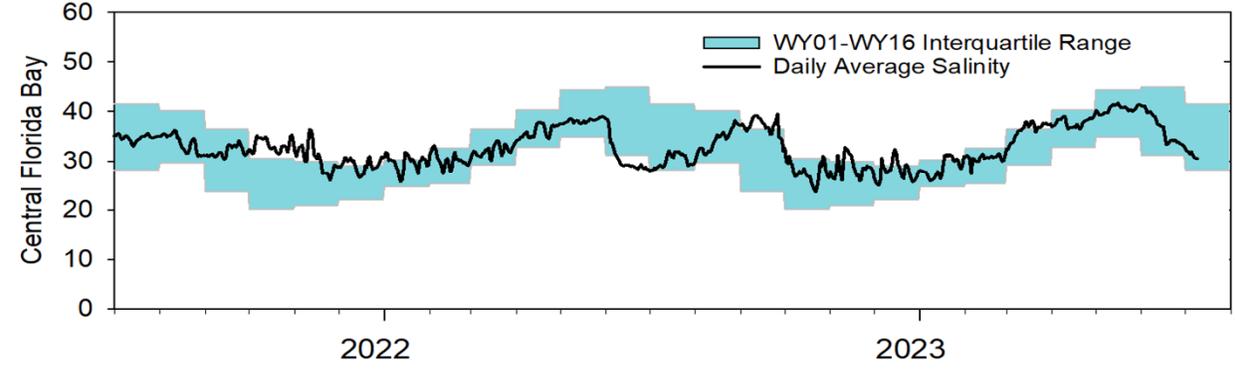
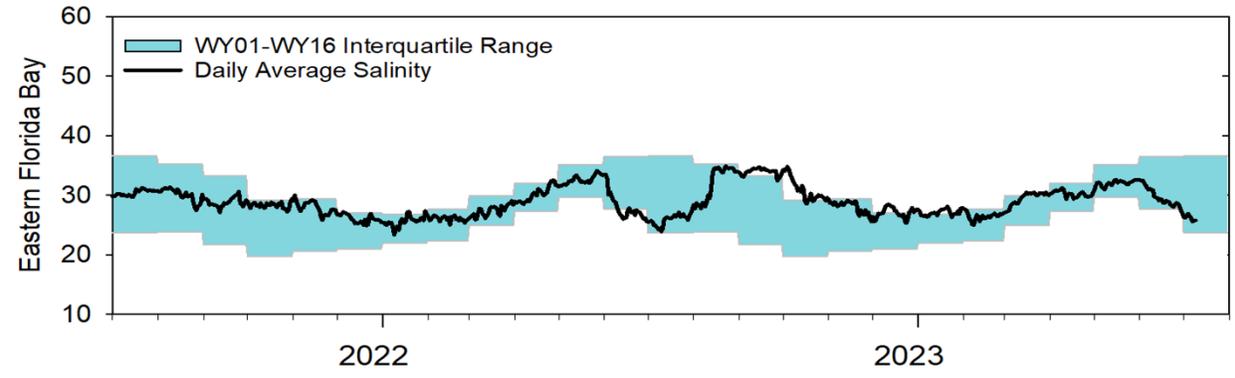
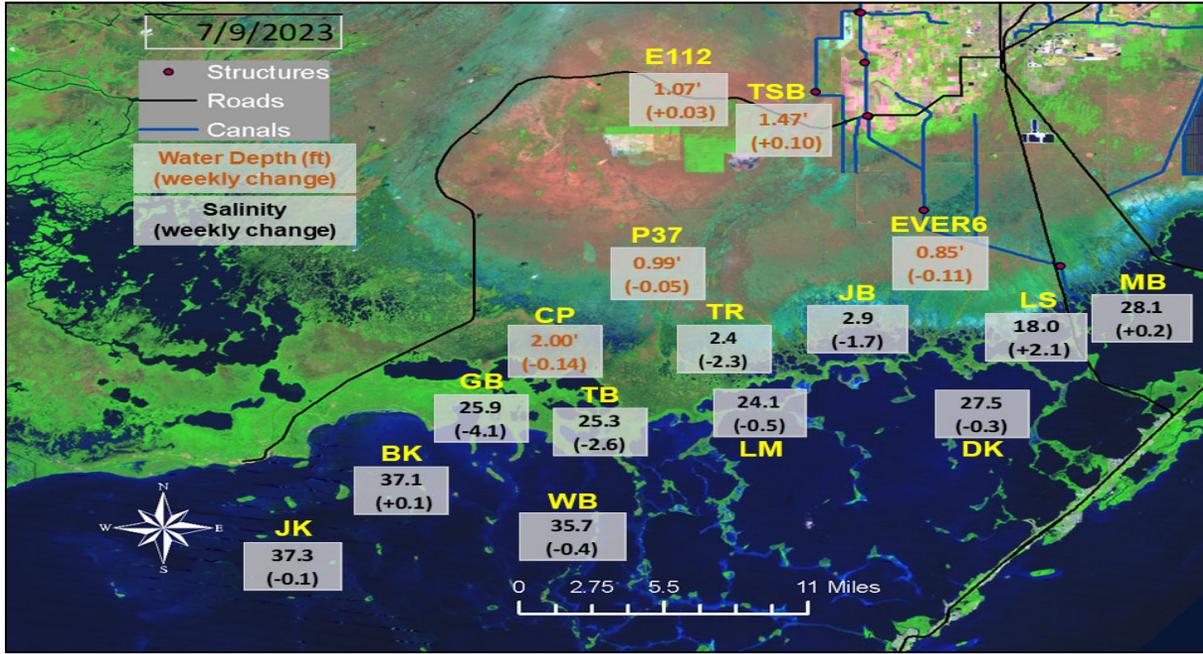
Total Nesting Effort (Four CERP Indicator Species) was **Relatively Low** in the Everglades in 2023



Nesting Effort for each CERP Indicator Species was Below Average

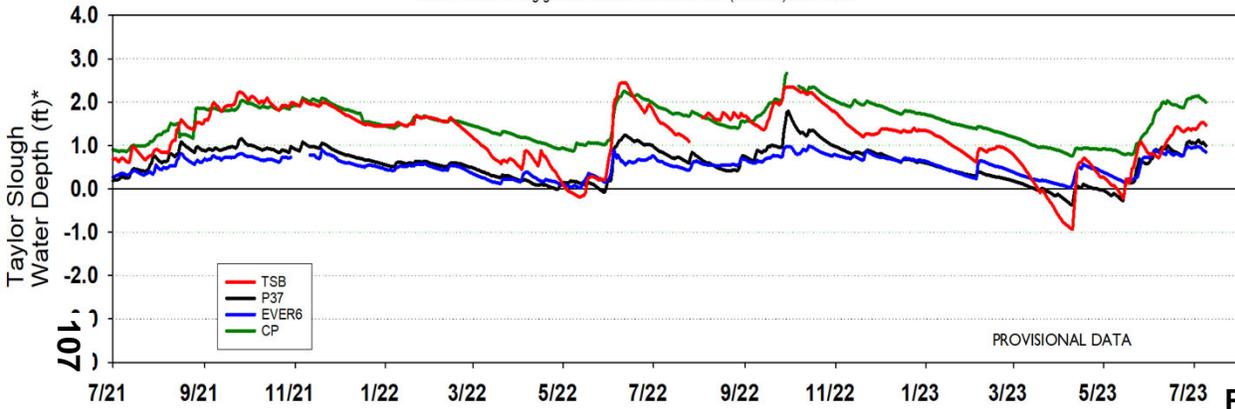


Florida Bay Salinity



Taylor Slough Water Depths

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



Questions



Purple Gallinule (Porphyrio martinicus) and chick were foraging around the marsh in Winding Waters Natural Area, WPB, FL. Photograph courtesy of Jacob Dombrowski