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## South Florida Water Management District

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### GOVERNING BOARD MONTHLY MEETING AGENDA

May 12, 2022

9:00 AM

Largo Key Conference Center, Reefhouse Resort  
103800 Overseas Highway, MM 103.8  
Key Largo, FL 33037

FINAL

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Agenda Revisions
4. Recognition of Elected Officials
5. Agenda Item Abstentions by Board Members
6. Big Cypress Basin Board Report - Charlette Roman, Chair
7. Consider Approval of the Minutes for the April 14th 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, Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component, Collier County (Staff contact, Stephen M. Collins)

**Agenda Item Background:**

The District, as local sponsor for the United States Army Corps of Engineers (USACE), has agreed to acquire the lands needed to complete the Fakahatchee Strand State Preserve Component of the Picayune Strand Restoration Project (Project), pursuant to the Project Partnership Agreement by and between the District and USACE, dated August 13, 2009, as amended by the 2015 Limited Reevaluation Report. Tract SG100-025, owned by Theodore Volandes and Angela Volandes, contains approximately 2.50 acres and represents the final parcel necessary for the project.

The appraised value of the Tract is \$57,500. District staff is requesting authority to make a written offer at the appraised value of \$57,500. If the landowner fails to accept and enter into an agreement for sale and purchase, approval of the Governing Board item will also grant authority to file an eminent domain action.

**Recommended Action:**

**A. Resolution No. 2022 - 0501 Authorize a final purchase offer of \$57,500 and eminent domain proceedings for the acquisition of land interests containing 2.50 acres, more or less, in Collier County, Florida, for the Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component, for which dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds are budgeted.**

**B. Resolution No. 2022 - 0502 Advise the Florida Department of Environmental Protection of the proposed acquisition of land interests containing 2.50 acres, more or less, for the Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component, in Collier County, and request the release of funds in the amount of \$57,500 from the Land Acquisition Trust Fund for acquisition of such land interests, together with associated costs.**

[Resolution No. 2022-0501](#)

[Resolution No. 2022-0502](#)

[Exhibit A](#)

[Exhibit B](#)

[Schedule 1](#)

15. Exchange Agreement with Micco Bluff Ranch, LLC, Okeechobee County (Staff contact, Stephen M. Collins)

**Agenda Item Background:**

The District has acquired lands for the Kissimmee River Restoration Project. Pursuant to an Exchange Agreement, the District will convey to Micco Bluff Ranch, LLC approximately 20.09 acres, subject to a reserved perpetual flowage and inundation easement, in exchange for the fee title acquisition of approximately 0.53 acres. The District Acquired Lands serve to complete the eastern physical portion of the District

access road so that the entire access road is owned by the District. The Exchange Agreement provides for a payment to the District of \$29,400.

**Recommended Action:**

**Resolution No. 2022 - 0503 Approve declaring surplus for exchange and conveyance fee title land interests containing 20.09 acres, more or less, subject to a reserved perpetual flowage and inundation easement, in exchange for the acquisition of fee title land interests containing 0.53 acres, more or less, within the District's Kissimmee River Restoration Project, all in Okeechobee County, together with the payment of \$29,400 to the District.**

[Resolution No. 2022-0503](#)

[Exhibit A](#)

16. C-43 West Basin Storage Reservoir Project - Release of Easement, Hendry County (Staff contact, Stephen M. Collins)

**Agenda Item Background:**

The District is in the process of construction to implement the C-43 West Basin Storage Reservoir Project. The neighboring lands adjacent to the west boundary of the District's Project lands currently have an irrigation water supply pump station permitted to withdraw water from the Townsend Canal, which is located on the western boundary of the District's Project lands ownership and which connects the Reservoir to the Caloosahatchee River. An irrigation easement of approximately 0.343 acres benefiting and in favor of the neighboring lands, encumbers the District's Townsend Canal Project lands. As this pump station conflicts with the District's construction features along the Townsend Canal, to work around the pump station would increase project cost by approximately \$830,000. The landowner has agreed to modify the consumptive use permit and construct a groundwater well and, in connection therewith, abandon the pump station intake and provided the District with a release of the easement. Acquiring the Release of Easement in the amount of \$290,500, will result in a construction cost savings to the District of approximately \$539,500.

**Recommended Action:**

**A. Resolution No. 2022 - 0504 Acquire land interests containing 0.343 acres, more or less, located in the District's C-43 West Basin Storage Reservoir Project in Hendry County, in the amount of \$290,500, plus associated costs for which dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds are budgeted.**

**B. Resolution No. 2022 - 0505 Advise the Florida Department of Environmental Protection of the proposed acquisition of land interests containing 0.343 acres, more or less, for the C-43 West Basin Storage Reservoir Project, in Hendry County, and requesting the release of funds in the amount of \$290,500 from the Land Acquisition Trust Fund for acquisition of such land interests, together with associated costs.**

[Resolution No. 2022-0504](#)

[Resolution No. 2022-0505](#)

[Exhibit A](#)

17. Release of Reservations (Staff contact, Stephen M. Collins)

**Agenda Item Background:**

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

**Staff Recommendation:**

Staff recommends approval of the following:

**Palm Beach County**

- Release District canal and road reservations for Winners Church International Inc. of West Palm Beach, Florida (File No. 18896) for 9.67 +/- acres; release value of \$7,126.20 has been paid.
- Release District canal and road reservations and issue non-use commitment for Boynton Beach Associates 30, LLLP (File No. 18897) for 144.96 +/- acres; subject to release value payment of \$122,999.35 has been paid. The release is necessary in order to convey the parcel to Palm Beach County for conservation purposes.
- Release District canal and road reservations for Peter Taddeo and Christine Taddeo (File No. 18898) for 0.25 +/- acre; release value N/A (homestead property).

**Recommended Action:**

**Resolution No. 2022 - 0506 Release District canal reservations and issue a non-use commitment.**

[Memo Exhibit A](#)

[Resolution No. 2022-0506](#)

[Resolution Exhibit A](#)

18. Authorization for the Florida Fish and Wildlife Conservation Commission to Establish STA 1 East as an Alligator Harvest Unit and Manage Public Alligator Hunting on the Property Pursuant to Public Use Rule 40E-7.527, Florida Administrative Code (Staff contact, Stephen M. Collins)

**Agenda Item Background:**

The Florida Fish and Wildlife Conservation Commission is supportive of establishing STA 1 East as an Alligator Harvest Unit and managing alligator hunting activities on the property in accordance with State and Federal regulations and with the District's approval. Alligator hunting in STA 1 East would be managed through a quota permit process to regulate the number of people allowed to participate in the hunt and with rules and regulations similar to those adopted for the management of on-going alligator hunts in STA 1 West, STA 2, STA 3/4 and STA 5/6. The proposed alligator hunts in

STA 1 East would begin during the fall of 2023 to align with the Commission's quota permitting schedule. Wounded warrior and youth alligator hunts could be scheduled during the summer/fall of 2022 due to an alternative permitting process used by the Commission to administer these types of specialty hunts. District staff has received requests from recreational groups, the public, and the Commission indicating that there is a strong public interest in opening this area for alligator hunting.

**Recommended Action:**

**Resolution No. 2022 - 0507 Authorize the Florida Fish and Wildlife Conservation Commission to establish the approximately 6,552-acre STA 1 East property, located in Palm Beach County, as an Alligator Harvest Unit for the purpose of managing public alligator hunting opportunities.**

[Resolution No. 2022-0507](#)

[Exhibit A](#)

19. Agreement with Audubon of Florida Tavernier Science Center to Monitor Roseate Spoonbill Survival in Florida Bay (Staff contact, Lawrence Glenn)

**Agenda Item Background:**

Staff seeks approval to enter into a three-year, sole source agreement, with the Audubon of Florida's Tavernier Science Center to monitor Roseate Spoonbill survival in Florida Bay in an amount not to exceed \$299,730 subject to Governing Board approval of the Fiscal Year 2023-2024 Budget. This RECOVER monitoring, in support of the Comprehensive Everglades Restoration Plan (CERP), provides critical information on a CERP identified ecological indicator species.

**Recommended Action:**

**Resolution No. 2022 - 0508 Authorize entering into an agreement with Audubon of Florida Tavernier Science Center for monitoring Roseate Spoonbill survival in Florida Bay, in the amount of \$299,730 of which \$99,910 is budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004591)**

[Resolution No. 2022-0508](#)

20. Water Reuse Week, May 15-21, 2022 (Staff contact, Mark Elsner)

**Agenda Item Background:**

May typically marks the end of the dry season and can be a period of time when water needs are most acute. At this time, it is important to increase awareness regarding the re-use of our precious water resources. Over the last two decades, water reuse in the District has increased 82 percent to 327 million gallons per day and has become integral to south Florida's water supply. WaterReuse Florida, the state section of the WaterReuse Association, has designated May 15-21, 2022 as Water Reuse Week in the State of Florida.

With this resolution, the District will join WaterReuse Florida, other water management districts, local governments, and other organizations in supporting water reuse with the adoption of similar resolutions throughout Florida.

**Recommended Action:**

**Resolution No. 2022 - 0509 Proclaim May 15-21, 2022 as Water Reuse Week.**  
[Resolution No. 2022-0509](#)

21. Collier County Office Lease Extension at Big Cypress Service Center (Staff contact, Lisa Koehler)

**Agenda Item Background:**

In 2009, on behalf of the Big Cypress Basin, the District purchased the current facility housing the Big Cypress Basin Service Center (BCBSC). This purchase was made with Big Cypress Basin Ad Valorem funds. The BCBSC consists of two buildings connected by a breezeway totaling approximately 9,640 square feet and is part of a four-building office condominium complex. It was determined in 2014 that the BCBSC staff could adequately utilize just one of the buildings for their operations and the other building could be leased to generate revenue. The other building was leased to Collier County for 5 years with three 1-year optional extensions. The last of the optional 1-year extensions ends on May 31, 2022. Collier County has expressed interest in leasing the building for three additional years and at their February meeting, the Big Cypress Basin Board expressed their consent to this lease extension.

This request is to authorize a three-year extension to the existing Lease with Collier County, in an amount of \$240,317.58 to the existing Contract 4600003056 resulting in a revenue total amount of \$800,564.69. It is also requested that the Terms and Conditions be amended to increase the written notice required to terminate the lease from 60 days to 120 days.

**Recommended Action:**

**Resolution No. 2022 - 0510 Authorize an amendment to Contract No. 4600003056 with Collier County by extending the original Lease by three additional years for an amount of \$240,317.58 for a total revenue amount of \$800,564.69 and to amend the Terms and Conditions of the Lease by increasing the written notice required to terminate the lease from 60 days to 120 days. (Contract No. 4600003056-A04)**

[Resolution No. 2022-0510](#)

**Technical Reports**

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

**Discussion Agenda**

24. Alternative Water Supply Funding Program (Staff contact, Stacey Adams)

**Agenda Item Background:**

This item includes a presentation of the Fiscal Year 2022-2023 Alternative Water Supply Funding Program (Program) which includes a recap and the final project list for the Florida Department of Environmental Protection (DEP) submittal by May 31, 2022. The Program's purpose is to provide financial incentives through matching grants for

local alternative water supply and water conservation projects.

Staff is seeking Governing Board authorization for the upcoming Fiscal Year 2022-2023 Program to:

- A. Approve and submit the final project list to the DEP for funding consideration for the DEP Alternative Water Supply Grant Program in dedicated state appropriations from the 2022 State General Appropriations Act.
- B. Authorize entering into agreement(s) with cooperating entities for alternative water supply and water conservation projects that receive state appropriations from the 2022 General Appropriations Act.

**Recommended Action:**

**A. Resolution No. 2022 - 0511 Approve and authorize submittal of the final project list to the Florida Department of Environmental Protection for the purpose of funding consideration for projects for the DEP Alternative Water Supply Grant Program in dedicated state appropriations from the 2022 State General Appropriations Act.**

**B. Resolution No. 2022 - 0512 Authorize entering into agreement(s) with cooperating entities for alternative water supply and water conservation projects with dedicated state appropriations from the 2022 General Appropriations and delegating authority to the Executive Director to execute the agreements for identified projects that receive state appropriations**

[Resolution No. 2022-0511](#)  
[Resolution No. 2022-0512](#)  
[Exhibit A](#)

- 25. Letter of Support for the Lake Okeechobee Watershed Restoration Project (Staff contact, Jennifer Reynolds)

**Agenda Item Background:**

As part of the Comprehensive Everglades Restoration Plan (CERP), staff will brief the Governing Board regarding a letter of support and certification of financial capability to the USACE for the Lake Okeechobee Watershed Restoration Project (LOWRP) Final Integrated Revised Project Implementation Report and Environmental Impact Statement (PIR/EIS). The purpose of the LOWRP is to increase water storage capacity within the watershed to improve Lake Okeechobee water levels, improve the quantity and timing of regulatory discharges to the Caloosahatchee and St. Lucie estuaries, restore freshwater wetlands, and improve water supply. The District is the non-federal sponsor for LOWRP.

The Water Resources Development Act of 1986 requires the Secretary of the Army to determine a non-federal sponsor's ability to pay. USACE regulations allow the non-federal sponsor to self-certify it has the ability to pay its share of the project costs. Additionally, the CERP Programmatic Regulations require a letter of support from the non-federal sponsor be included in any Final PIR/EIS. Staff plans to transmit a letter to the USACE expressing the District's support for the project and affirming financial capability to satisfy the non-federal sponsor's obligations described in the LOWRP PIR/EIS should a project partnership agreement be executed by the parties.

26. Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Solicitation 6000001289, Contract Negotiations and Execution (Staff contact, Jennifer Reynolds)

**Agenda Item Background:**

To supplement the ongoing implementation of the Northern Everglades and Estuaries Protection Program (NEEPP), the District has developed and implemented several service provider initiatives whereby private landowners manage water on private property to provide retention and/or nutrient load reduction in the northern Everglades.

Environmental services provided by the proposals will complement regional water storage and treatment facilities in the northern Everglades and improve conditions in the Lake Okeechobee, Caloosahatchee River Estuary and St. Lucie River Estuary. Several service provider contracts for storage and nutrient load reduction will be expiring near term and over upcoming fiscal years. Therefore, the District issued a Request for Proposals (RFP) solicitation to seek projects from existing and new landowners located within three NEEPP watersheds to provide quantifiable water quality and/or water storage benefits. The RFP resulted in fifteen responsive project proposals. Staff requests Governing Board approval to enter into negotiations with respondents for up to 10-year contracts and execute said contracts subject to successful negotiations and funding availability. Staff requests approval for the following not to exceed amounts:

<b>Watershed</b>	<b>Not to Exceed Amount</b>
Lake Okeechobee	\$19,000,000
Caloosahatchee River Watershed	\$107,000,000
St. Lucie River Watershed	\$28,000,000

**Recommended Action:**

**A. Resolution No. 2022 - 0513 Authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities listed below for the Lake Okeechobee Watershed portion of the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$19 Million for the Lake Okeechobee watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.**

**Lake Okeechobee Watershed:**

<b>Contract No.</b>	<b>Project Name</b>	<b>Contractor Name</b>
4600004573	Buck Island Ranch Project	Archbold Expedition, Inc.
4600004574	Eagle Haven Ranch Project	Eagle Haven Ranch LLC

4600004575	Dixie Ranch Retention Project (East and West)	Family Tree Enterprises Limited Partnership LLLP
4600004576	XL Ranch Water Retention and Nutrient Removal Project	XL Ranch LP
4600004577	Partin Family Ranch	Doc Partin Ranch, Inc.
4600004578	Stormwater Pond 1 (SP1) Project	McArthur Farms, Inc.
4600004579	Stormwater Pond 4 (SP4) Project	McArthur Farms, Inc
4600004580	AguaCulture Technologies Project	AguaCulture LLC

**B. Resolution No. 2022 - 0514 Authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities in the Caloosahatchee River Watershed listed below for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$107 Million for the Caloosahatchee River Watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.**

**Caloosahatchee River Watershed:**

Contract No.	Project Name	Contractor Name
4600004581	Four Corners Rapid Infiltration Project	ALJO Groves, LC
4600004582	C-42 Water Retention & Nutrient Load Reduction Project	Roadrunner (Fort Myers) ASLI V LLLP
4600004583	NEWWRNLR Project	Ferrate Solutions, Corp.

**C. Resolution No. 2022 - 0515 Authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities in the St. Lucie River Watershed listed below for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$28 Million for the St. Lucie River Watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.**

**St. Lucie River Watershed:**

Contract No.	Project Name	Contractor Name
4600004584	Spur Land and Cattle Project	Spur Land & Cattle, LLC
4600004585	Alderman-Deloney Ranch Project	B E Alderman Ranch, LLP dba Alderman-Deloney ranch, LLP
4600004586	Ideal 1000 DWM Project	Evans Properties, Inc.
4600004587	RES-Centrum Project	HGS, LLC

[Resolution No. 2022-0513](#)  
[Resolution No. 2022-0514](#)  
[Resolution No. 2022-0515](#)

## **Staff Reports**

27. Monthly Financial Report - Candida Heater
28. General Counsel's Report - Julia Lomonico, Interim General Counsel
29. General Public Comment
30. Board Comment
31. Adjourn

## **Public Comment Policy**

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.

Draft presentations for Agenda items 22, 23, 24, 25, and 26.

### **Agenda Item Background:**

[22\\_Mitnik\\_Water\\_Conditions\\_Report.pdf](#)  
[23\\_Glenn\\_EcoCond\\_Report.pdf](#)  
[24\\_Adams\\_DEPAWSFunding.pdf](#)  
[25\\_Reynolds\\_LOWRP.pdf](#)  
[26\\_Reynolds\\_Jacoby\\_NEEPP\\_RFP](#)

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** May 12, 2022

**SUBJECT:** Land Acquisition, Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component, Collier County

### **Agenda Item Background:**

The District, as local sponsor for the United States Army Corps of Engineers (USACE), has agreed to acquire the lands needed to complete the Fakahatchee Strand State Preserve Component of the Picayune Strand Restoration Project (Project), pursuant to the Project Partnership Agreement by and between the District and USACE, dated August 13, 2009, as amended by the 2015 Limited Reevaluation Report. Tract SG100-025, owned by Theodore Volandes and Angela Volandes, contains approximately 2.50 acres and represents the final parcel necessary for the project. The appraised value of the Tract is \$57,500. District staff is requesting authority to make a written offer at the appraised value of \$57,500. If the landowner fails to accept and enter into an agreement for sale and purchase, approval of the Governing Board item will also grant authority to file an eminent domain action.

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

#### **Additional Item Background:**

The District, as local sponsor for the USACE, has agreed to acquire the lands needed to complete the Fakahatchee Strand State Preserve Component of the Picayune Strand Restoration Project (Project), pursuant to the Project Partnership Agreement by and between the District and Corps, dated August 13, 2009 ("PPA"), as amended by the 2015 Limited Reevaluation Report ("LLR"). A map of the Project boundary and tract to be acquired is attached hereto as Exhibit "A". Tract SG100-025, owned by Theodore Volandes and Angela Volandes, contains approximately 2.50 acres. The appraised value of the Tract is \$57,500.

District staff is requesting authority to make a written offer at the appraised value of \$57,500. If the landowner fails to accept and enter into an agreement for sale and purchase, approval of the Governing Board item will also grant authority to file an eminent domain action.

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

The Picayune Strand Restoration Project will restore freshwater wetlands, improve estuarine water quality by increasing groundwater recharge, reduce large and unnatural freshwater inflows, and restore and enhance habitat for fish and wildlife, including threatened and endangered species. This is a Comprehensive Everglades Restoration Plan project and is included in the District's Five-Year Plan of Acquisition.

### **Funding Source:**

All costs associated with the acquisition of the tract herein described will be funded from the Land Acquisition Trust Fund and/or Ad Valorem funds.

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

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

**ATTACHMENTS:**

[Resolution No. 2022-0501](#)

[Resolution No. 2022-0502](#)

[Exhibit A](#)

[Exhibit B](#)

[Schedule 1](#)

## **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

### **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District authorizing a final purchase offer of \$57,500 and eminent domain proceedings for the acquisition of land interests containing 2.50 acres, more or less, in Collier County, Florida, for the Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component, for which dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds are budgeted; providing an effective date.**

**WHEREAS**, the Picayune Strand Restoration Project (“Project”) was authorized by Section 1001(15) of the Water Resource Development Act of 2007, Public Law 110-114, and is a Comprehensive Everglades Restoration Plan Project; and

**WHEREAS**, the primary objective of the Project is to restore freshwater wetlands, increase groundwater recharge and storage, reduce large and unnatural freshwater inflows, reestablish natural plant distribution and composition, and restore and enhance habitat for fish and wildlife, including threatened and endangered species; and

**WHEREAS**, the District, as local sponsor pursuant to Section 373.1501, Florida Statutes, and the United States Army Corps of Engineers (“Corps”) entered into a Project Partnership Agreement (“PPA”) regarding the Project on August 13, 2009, as amended in 2015 by the Limited Reevaluation Report (“LRR”), wherein the District agreed to acquire all of the remaining land interest necessary to complete the Project; and

**WHEREAS**, the District desires to purchase land interests containing 2.50 acres, more or less, identified as Tract No. SG100-025 (the “Property”) for the Project in Collier County, and as shown on the location map Exhibit “A”, attached hereto and made a part hereof, in the amount of \$57,500; and

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

**WHEREAS**, the Florida Legislature has declared in Section 373.139(1), Florida Statutes, that the acquisition of real property for water-related resources is in the public interest for a public purpose for which public funds may be expended, and therefore necessary for the public health and welfare; and

**WHEREAS**, the Florida Legislature in Section 373.139(2), Florida Statutes, has empowered and authorized the Governing Board of the District to acquire real property interests by eminent domain for the purpose of water storage or flood control, and therefore for the purpose of implementing and maintaining the Project; and

**WHEREAS**, the Governing Board of the District, as applicable to the Property hereinafter mentioned, has considered the required factors pursuant to Florida law, including safety, costs, alternative routes or methodologies, long range planning, and the environment, as more fully set forth in Schedule “1”, attached hereto and made a part hereof; and

**WHEREAS**, after considering the said factors, the Governing Board of the District has determined the acquisition of the Property hereinafter mentioned is necessary for the following public use and purpose, to wit: to restore freshwater wetlands, increase groundwater recharge and storage, reduce large and unnatural freshwater inflows, reestablish natural plant distribution and composition, and restore and enhance habitat for fish and wildlife, including threatened and endangered species; and

**WHEREAS**, the Governing Board shall direct District staff to acquire the Property by eminent domain, if an agreement for the sale and purchase of the Property is not reached.

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

**Section 1:** The acquisition by the South Florida Water Management District of the following land interests, in the Fakahatchee Strand State Preserve Component of the Picayune Strand Restoration Project, in Collier County, Florida, consisting of 2.50 acres, more or less, as more particularly described on attached Exhibit “B”, as shown on the map attached hereto as Exhibit “A”, and as identified as Tract No. SG100-025, hereinafter referred to as the “Property”, with respect to which the South Florida Water Management District will seek to acquire fee title from the owner of the said land interests, is found by the Governing Board of the South Florida Water Management District to be necessary to complete the Picayune Strand Restoration Project and is in the public interest and for a public purpose.

**Section 2:** In accordance with Chapter 73, Florida Statutes, the Governing Board of the South Florida Water Management District hereby authorizes and directs staff to making final written offer to voluntarily purchase land interests for \$57,500 containing a total of 2.50 acres, more or less, for the Picayune Strand Restoration Project, as stated below, together with associated costs, as follows:

<b>Tract No.</b>	<b>Owner</b>	<b>Interest</b>	<b>Acres</b>	<b>Appraised Value</b>	<b>Purchase Price Offer</b>
SG100-025	Theodore Volandes and Angela Volandes	Fee	2.50	\$57,500	\$57,500

**Budgeted:**

<b>Dollars</b>	<b>Fund</b>	<b>Fund Center</b>	<b>Functional Area</b>	<b>Commitment Item GL Account</b>	<b>Account Description</b>
\$57,500	425000/ 404000	3510144000	P130	580020	Acquisition

**Section 3:** The Governing Board of the South Florida Water Management District hereby authorizes the Chair or Vice Chair to execute an Agreement for Sale and Purchase and any instrument(s) affecting record real estate interests, and hereby authorizes the Executive Director or the Executive Director's designee to execute all other documents necessary to consummate this transaction.

**Section 4:** The Governing Board of the South Florida Water Management District hereby approves utilization of dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds.

**Section 5:** The Governing Board of the South Florida Water Management District hereby authorizes staff to make a final written offer of the appraised value for fee acquisition of the Property, and agree to purchase the Property at the appraised value, and that upon the Property owner's refusal to enter into the Agreement for Sale and Purchase referenced above, a Legal Officer of the South Florida Water Management District is hereby authorized, instructed, and directed to acquire land interests by eminent domain, to institute or cause to be instituted eminent domain proceedings as may be necessary pursuant to Chapters 73 and 74, Florida Statutes, to avail the South Florida Water Management District of all eminent domain powers and procedures authorized by Florida Statute and by rule of court, and to accomplish the acquisition described herein, including the authority to negotiate the acquisition of the described property.

**Section 6:** This Resolution shall take effect immediately upon adoption.

**PASSED** and **ADOPTED** this 12<sup>th</sup> day of May, 2022.

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District advising the Florida Department of Environmental Protection of the proposed acquisition of land interests containing 2.50 acres, more or less, for the Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component, in Collier County, and requesting the release of funds in the amount of \$57,500 from the Land Acquisition Trust Fund for acquisition of such land interests, together with associated costs; providing an effective date.**

**WHEREAS**, the Picayune Strand Restoration Project (“Project”) is a Comprehensive Everglades Restoration Plan (“CERP”) project, authorized by Section 1001(15) of the Water Resources Development Act of 2007, Public Law 110-114; and

**WHEREAS**, the South Florida Water Management District (“District”), as local sponsor for the U. S. Army Corps of Engineers, has an active program underway to acquire land interests in the Fakahatchee Strand State Preserve Component of the Project; and,

**WHEREAS**, pursuant to Section 373.139(3)(c) Florida Statutes, the District is required to submit a resolution to the Florida Department of Environmental Protection when requesting funds from a trust fund, including the Land Acquisition Trust Fund; and

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

**Section 1.** It does hereby advise the Secretary of the Florida Department of Environmental Protection of its intent to acquire fee simple title to Tract SG100-025 from willing sellers at a cost of \$57,500, containing a total of 2.50 acres, more or less, in Collier County, Florida, for the Picayune Strand Restoration Project, Fakahatchee Strand State Preserve Component. The Tracts are shown on the map attached hereto and made a part hereof as Exhibit “A”.

**Section 2.** The purchase price of the Tract is equal to the appraised value based on the certified appraisal used to determine the value of the land interests to be purchased, taking into account the value of improvements, non-cash considerations, defects in title or outstanding interests.

**Section 3.** The land being acquired have been reviewed for the presence of State Sovereign submerged lands and the District has taken reasonable measures to avoid paying for sovereign lands.

**Section 4.** This request for funds is consistent with the District's Five-Year Plan of acquisition for the South Florida Water Management District Florida Forever Work Plan, as contained in Chapter 6A, Volume II of the South Florida Environmental Report, which has been filed with the Legislature and the Florida Department of Environmental Protection, and is consistent with Sections 373.139 and 373.470, Florida Statutes, as applicable.

**Section 5.** Acquisition of this land furthers the following Florida Forever goals set forth in Section 259.105(4), Florida Statutes:

- (a) Enhance the coordination and completion of land acquisition projects as measured by:
  - 1. The number of shared acquisition projects among Florida Forever funding partners and partners with other funding sources including local governments and the federal government.
- (b) Protect, restore and maintain the quality and natural functions of land, water and wetland systems of the state, as measured by:
  - 1. The number of acres publicly owned land identified as needing restoration, acres undergoing restoration, enhancement and management, acres with restoration activities completed, and acres managed to maintain such restored or enhanced conditions; the number of acres which represent actual or potential imperiled species habitat; the number of acres which are available pursuant to a management plan to restore, enhance, repopulate, and manage imperiled species habitat; and the number of acres of imperiled species habitat managed, restored, enhance, repopulated, or acquired; and
  - 2. The number of acres acquired that protect natural floodplain functions; and
  - 3. The number of acres identified for acquisition to minimize damage from flooding and the percentage of those acres acquired.
- (c) Ensure that sufficient quantities of water are available to meet the current and future needs of natural systems and the citizens of the state, as measured by:

1. The quantity of water made available through the water resource development component of a district water supply plan for which a water management district is responsible.
- (d) Increase natural resource-based public recreational and educational opportunities, as measured by:
1. The number of acres acquired that are available for natural resource-based public recreation or education; and
  2. The miles of trails that are available for public recreation, giving priority to those that provide significant connections including those that will assist in completing the Florida National Scenic Trail; and
  3. The number of new resource-based recreation facilities, by type, made available on public land.

**Section 6.** The funds requested shall be used only for the acquisition costs and associated costs incurred during the process of acquiring the described land interests.

**Section 7.** The land interests being acquired shall be maintained in an environmentally acceptable manner.

**Section 8.** Should the District dispose of any or all of the interests acquired hereunder, all revenues derived therefrom will be used to acquire other lands for water management, water supply and the conservation and protection of water resources, within the boundaries of a CERP project.

**Section 9.** A Phase 1 environmental assessment of the property was conducted in July 2021 and no obvious environmental concerns were observed. Any environmental concerns discovered shall be remediated, as necessary, and any risks will be borne by the District.

**Section 10.** The lands shall be managed for multiple-use purposes, including recreational uses, where compatible with the resource values of and management objectives for such lands as set forth in Section 259.105(5), Florida Statutes.

**Section 11.** The Executive Director, or designee, is hereby authorized to request the release of funds for all acquisition costs, associated costs and expenses for the land interests identified in this Resolution.

**Section 12.** The Resolution to approve the acquisition of these land interests was approved by the Governing Board of the District on May 12, 2022.

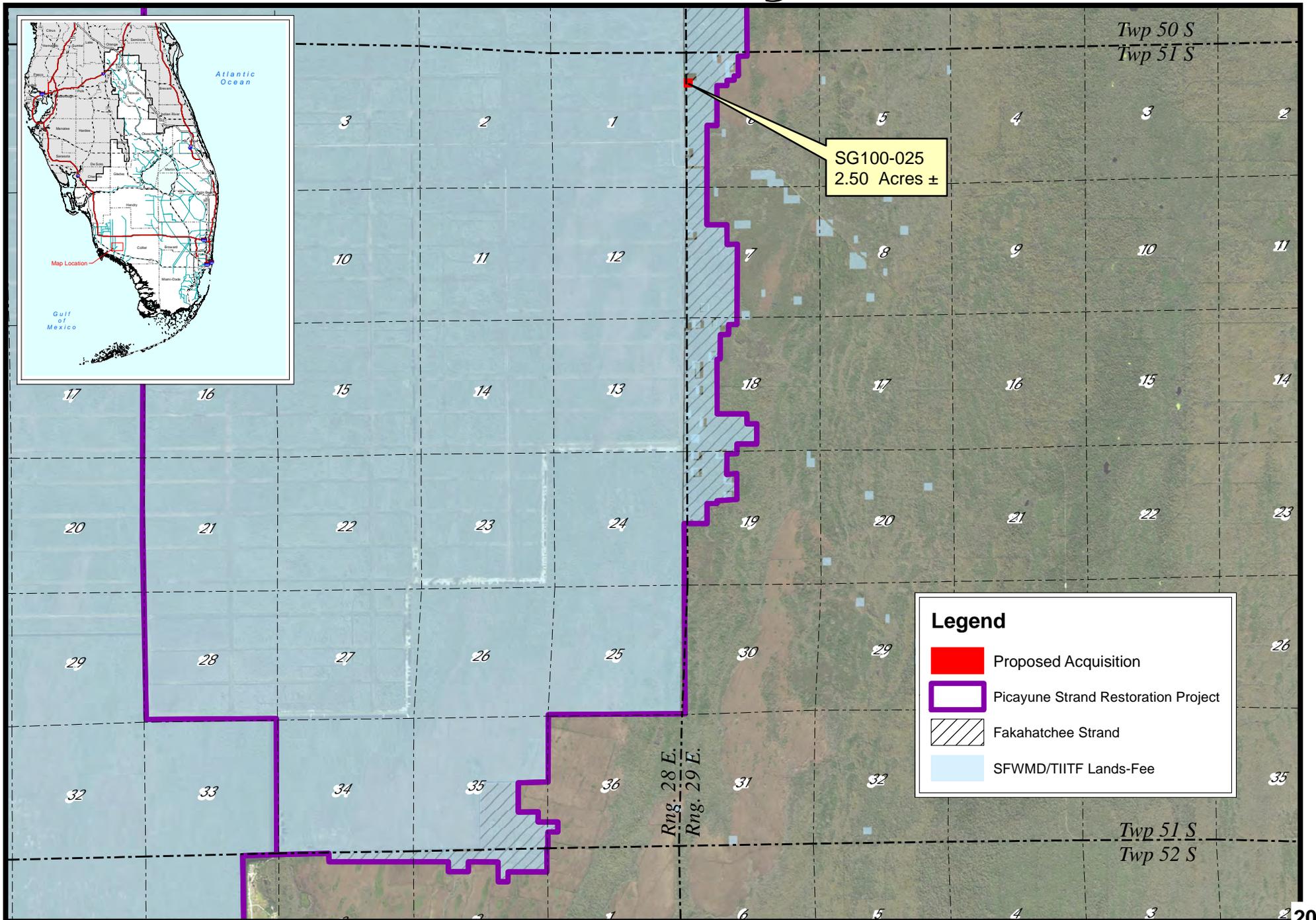
**Section 13.** The District will utilize funds from the Land Acquisition Trust Fund.

**Section 14.** This Resolution shall take effect immediately upon adoption.

**PASSED** and **ADOPTED** on this 12<sup>th</sup> day of May, 2022.

# Picayune Strand - Fakahatchee Strand Restoration Project Collier County

Exhibit "A"



SG100-025  
2.50 Acres ±

**Legend**

- Proposed Acquisition
- Picayune Strand Restoration Project
- Fakahatchee Strand
- SFWMD/TIIF Lands-Fee

**EXHIBIT "B"**

Tract Number: SG100-025  
Tax Folio Number: 00830800001

**LEGAL DESCRIPTION**

NW 1/4 of the SW 1/4 of the NW 1/4 of the NW 1/4 of Section 6, Township 51 South, Range 29 East, Collier County, Florida

Containing 2.50 Acres more or less per the Office of the Property Appraiser, Collier County.

## Schedule "1"

### SAFETY:

There is no conceivable adverse impact on public safety resulting from the acquisition of these tracts in connection with the implementation of the Picayune Strand Restoration Project. The purpose of this project is to restore freshwater wetlands, improve estuarine water quality by increasing groundwater recharge, reduce large and unnatural freshwater inflows, and restore and enhance habitat for fish and wildlife, including threatened and endangered species. The specifics of the project will not result in safety issues or concerns as a result of acquiring these tracts.

### COST:

The District received legislative funding for the acquisition of lands needed for the Picayune Strand Restoration Project. After considering alternatives based on cost, as well as other factors, the cost of acquiring these tracts fits into the planned funding for this project.

### ALTERNATIVES:

Alternative plans were evaluated during the planning process and development of the Project Implementation Report and Environmental Impact Statement. An array of twenty-two plans, including a "no action" alternative, were modeled and analyzed based on cost and benefits. The final plan was selected from the alternatives that best met the project's planning objectives and benefits.

### LONG RANGE PLANNING:

The District's acquisition effort of the subject properties is consistent with the Comprehensive Everglades Restoration Plan (CERP). The intent of CERP is to restore, preserve, and protect the South Florida ecosystem while providing for other water-related needs of the region. The acquisition of these particular parcels also furthers the Forever Florida goals delineated in Section 259.105(4), Florida Statutes, specifically (a)3., (c)1., (c)4., (c)6.; (d)2., (e)1., (e)2., and (e)3.

### ENVIRONMENT:

There are no adverse environmental impacts through or associated with the acquisition of the subject properties. Specifically, the implementation of the project on the subject properties will improve the environment by dramatically increasing the acreage of wetlands, reducing the frequency and intensity of wild fires, decreasing the abundance of exotic and invasive species, restoring the quantity and distribution of fresh water discharges to the estuaries of the Ten Thousand Islands region, and improving the ecological connectivity among adjacent public preserves, refuges, and parks.

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** May 12, 2022

**SUBJECT:** Exchange Agreement with Micco Bluff Ranch, LLC, Okeechobee County

### **Agenda Item Background:**

The District has acquired lands for the Kissimmee River Restoration Project. Pursuant to an Exchange Agreement, the District will convey to Micco Bluff Ranch, LLC approximately 20.09 acres, subject to a reserved perpetual flowage and inundation easement, in exchange for the fee title acquisition of approximately 0.53 acres. The District Acquired Lands serve to complete the eastern physical portion of the District access road so that the entire access road is owned by the District. The Exchange Agreement provides for a payment to the District of \$29,400.

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

#### **Additional Item Background:**

The District has acquired lands for the Kissimmee River Restoration Project (“Project”) in Okeechobee County. The Project includes land interests acquired in fee and acquisitions of flowage and inundation easement interests. Pursuant to an Exchange Agreement (“Exchange Agreement”), the District will convey to Micco Bluff Ranch, LLC (“Micco”) fee title to approximately 20.09 acres (“District Exchange Lands”), subject to a reserved perpetual flowage and inundation easement, in exchange for the fee title acquisition of approximately 0.53 acres (“District Acquired Lands”), all as shown on Exhibit “A”. Micco currently owns lands adjacent to the north and south of the District Exchange Lands and which are encumbered by a District flowage and inundation easement for the Project. The south approximately 11.7-acre portion of the District Exchange Lands serve to conjoin Micco lands that are separated by the District Exchange Lands. The north approximately 8.39-acre portion of the District Exchange Lands represents a strip of land directly adjacent to the north of the Micco lands and south of a District access road. The District Acquired Lands serves to complete the eastern physical portion of the District access road so that the entire access road is owned by the District. The Exchange Agreement provides for the payment to the District of \$29,400 representing the difference between the appraised values of \$30,200 for the District Exchange Lands, subject to the reserved flowage and inundation easement, and \$800 for the District Acquired Lands.

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

The primary objectives of the Project are: (1) to reestablish the structure and function of the historic, pre-channelized river channel and floodplain; (2) to reestablish the historic flows to the restored river channel and floodplain; and (3) the modification of water levels throughout the river system to provide both greater and more natural fluctuations in the upper basin lakes.

Flows into the Kissimmee River from the upper basin lakes further reestablish the natural Kissimmee River floodplain. The acquisition of the District Acquired Lands improves the District’s ability to manage the Project. The reservation of the perpetual flowage and

inundation is consistent with the Project objectives.

**Funding Source:**

All costs of the transaction and all closing costs will be paid by Micco Bluff Ranch, LLC. Additionally, the District will receive \$29,400, representing the difference between the appraised values of \$30,200 for the District Exchange Lands, subject to the reserved easement and \$800 for the District Acquired Lands.

**Staff Contact and/or Presenter:**

Stephen M. Collins, [smcollins@sfwmd.gov](mailto:smcollins@sfwmd.gov), 561-682-2959

**ATTACHMENTS:**

[Resolution No. 2022-0503](#)

[Exhibit A](#)

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District approving declaring surplus for exchange and conveyance fee title land interests containing 20.09 acres, more or less, subject to a reserved perpetual flowage and inundation easement, in exchange for the acquisition of fee title land interests containing 0.53 acres, more or less, within the District’s Kissimmee River Restoration Project, all in Okeechobee County, together with the payment of \$29,400 to the District; providing an effective date.**

**WHEREAS**, the South Florida Water Management District acquired lands for the Kissimmee River Project (“Project”) in Okeechobee County; and

**WHEREAS**, the District is authorized to exchange lands, or interests or rights in lands, pursuant to Section 373.089, Florida Statutes; and

**WHEREAS**, the District desires to enter into an Agreement for Exchange of Real Property Interests with Micco Bluff Ranch, LLC (“Exchange Agreement”) whereby the District will convey fee title land interests containing 20.09 acres, more or less, (the “District Exchange Lands”), subject to reserved perpetual flowage and inundation easement, in exchange for the acquisition of fee title land interests containing 0.53 acres, more or less, (the “District Acquired Lands”), all as shown on Exhibit “A”; and

**WHEREAS**, as the District Exchange Lands, subject to the reserved perpetual flowage and inundation easement, have an appraised value of \$30,200 and the District Acquired Lands have an appraised value of \$800, the Exchange Agreement additionally provides that the District will be paid cash consideration of \$29,400; and

**WHEREAS**, the Governing Board has determined that it is in the public interest to declare the District Exchange Lands, subject to the reserved perpetual flowage and inundation easement; and

**WHEREAS**, pursuant to Section 373.089(6), Florida Statutes, the Governing Board shall be required, by at least a two-thirds (2/3) majority, to make a determination that the surplus and exchange of the District Exchange Lands, with the reservation of the perpetual flowage and inundation easement, is consistent with conservation purposes.

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

**Section 1.** The Governing Board of the South Florida Water Management District hereby approves declaring surplus for exchange and conveyance to Micco Bluff Ranch, LLC, fee title land interests containing 20.09 acres, more or

less, subject to a reserved perpetual flowage and inundation easement, in exchange for the acquisition from Micco Bluff Ranch, LLC of fee title land interests containing 0.53 acres, more or less, within the District’s Kissimmee River Restoration Project, all in Okeechobee County, together with the payment of \$29,400 to the District.

“District Exchange Lands” (subject to reserved easement)

<b>Tract Nos.</b>	<b>Interest</b>	<b>Acres</b>	<b>Appraised Value</b>
19102-202 19102-203 19102-204	Fee	20.09	\$30,200

“District Acquired Lands”

<b>Tract Nos.</b>	<b>Interest</b>	<b>Acres</b>	<b>Appraised Value</b>
19102-205	Fee	0.53	\$800

**Section 2.** The Governing Board hereby determines that the surplus and exchange of the District Exchange Lands, subject to the reserved perpetual flowage and inundation easement, are consistent with the requirements of Section 373.089(6), Florida Statutes, as the District reserves the right to raise water levels on and flood and inundate the District Exchange Lands allowing the District to carry out the purposes and requirements of the Kissimmee River Restoration Project and preserving and protecting the conservation values of the District, and this Resolution was approved by the Governing Board by at least a two-thirds (2/3) vote.

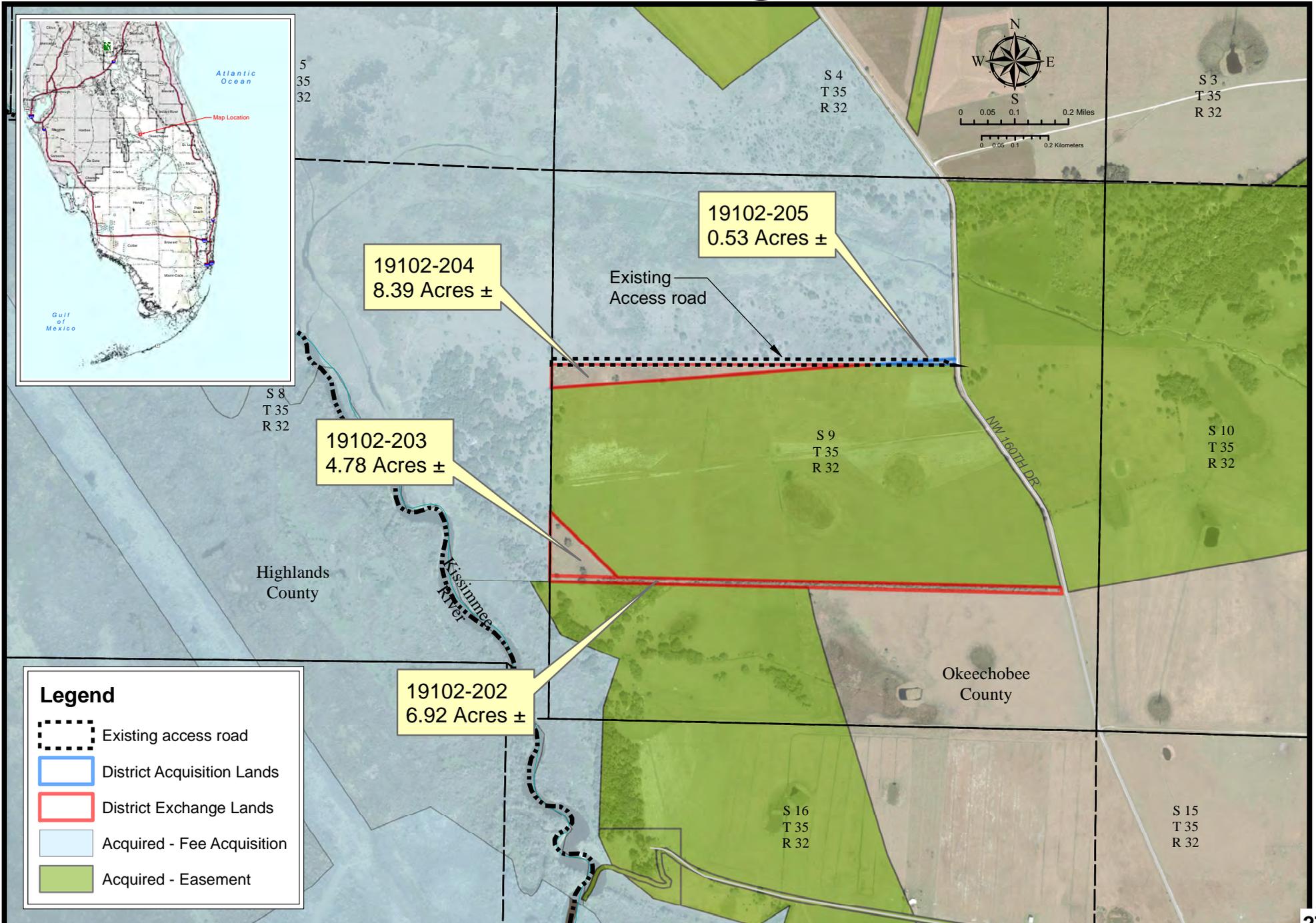
**Section 3.** The Governing Board hereby authorizes the Chairman or Vice Chairman to execute the Exchange Agreement and any instrument(s) of conveyance required to consummate the transaction contemplated therein. The Governing Board hereby authorizes the Executive Director or the Executive Director’s designee to make any determination 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 12<sup>th</sup> day of May, 2022.

# Kissimmee River Restoration Mico Buff Ranch Exchange Okeechobee County, Florida

Exhibit "A"



## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** May 12, 2022

**SUBJECT:** C-43 West Basin Storage Reservoir Project - Release of Easement, Hendry County

### **Agenda Item Background:**

The District is in the process of construction to implement the C-43 West Basin Storage Reservoir Project. The neighboring lands adjacent to the west boundary of the District's Project lands currently have an irrigation water supply pump station permitted to withdraw water from the Townsend Canal, which is located on the western boundary of the District's Project lands ownership and which connects the Reservoir to the Caloosahatchee River. An irrigation easement of approximately 0.343 acres benefiting and in favor of the neighboring lands, encumbers the District's Townsend Canal Project lands. As this pump station conflicts with the District's construction features along the Townsend Canal, to work around the pump station would increase project cost by approximately \$830,000. The landowner has agreed to modify the consumptive use permit and construct a groundwater well and, in connection therewith, abandon the pump station intake and provided the District with a release of the easement. Acquiring the Release of Easement in the amount of \$290,500, will result in a construction cost savings to the District of approximately \$539,500.

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

#### **Additional Item Background:**

The District is in the process of construction to implement the C-43 West Basin Storage Reservoir Project ("Project") in Hendry County. Construction contracts in excess of \$600 million are in progress. A major feature for conveying water to and from the Reservoir is the Townsend Canal, which is located on the western boundary of the District's Project lands ownership and which connects the Reservoir to the Caloosahatchee River. The lands adjacent to the west boundary of the District's Project lands (the "Company Land") currently have an irrigation water supply pump station permitted to withdraw water from the Townsend Canal. An irrigation easement ("Easement") of approximately 0.343 acres (the "Easement Area") benefiting and in favor of the Company Land, encumbers the District's Townsend Canal Project lands, all as shown on the map attached hereto as Exhibit "A". As this pump station conflicts with the District's construction features along the Townsend Canal, an increase in construction costs of approximately \$830,000 would be required. The landowner of the Company Land has agreed to modify the consumptive use permit and construct a groundwater well and, in connection therewith, abandon the pump station intake and provide the District with a release of the Easement ("Release of Easement"). Acquiring the Release of Easement in the amount of \$290,500, will result in a construction cost savings to the District of approximately \$539,500.

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

The C-43 West Basin Storage Reservoir Project supports the District's core mission of

ecosystem restoration and protection by capturing excessive flows to the Caloosahatchee Estuary and supporting minimum flows and levels during the dry season. The Project is a Comprehensive Everglades Restoration Plan (“CERP”) project.

**Funding Source:**

All costs associated with the release of the Easement herein described will be funded from the Land Acquisition Trust Fund and/or District Ad Valorem funds.

**Staff Contact and/or Presenter:**

Stephen M. Collins, [smcollins@sfwmd.gov](mailto:smcollins@sfwmd.gov), 561-682-2959

**ATTACHMENTS:**

[Resolution No. 2022-0504](#)

[Resolution No. 2022-0505](#)

[Exhibit A](#)

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to acquire land interests containing 0.343 acres, more or less, located in the District’s C-43 West Basin Storage Reservoir Project in Hendry County, in the amount of \$290,500, plus associated costs for which dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds are budgeted; providing an effective date.**

**WHEREAS**, the C-43 West Basin Storage Reservoir Project (“Project”) is a major portion of the Ecosystem Restoration and Protection in Hendry County by capturing excessive flows to the Caloosahatchee Estuary and supporting minimum flows and levels during the dry season as envisioned in the 1999 C&SF Project Comprehensive Review Study; and

**WHEREAS**, the Project is a Comprehensive Everglades Restoration Plan (“CERP”) project, and the District is currently implementing the Project as the local sponsor; and

**WHEREAS**, a 0.343-acre, more or less, portion of the Project lands (the “Easement Area”) is encumbered by an irrigation easement (the “Easement”) benefitting land adjacent to and northwesterly of the Project (the “Company Land”), all as shown on the map attached hereto as Exhibit “A”; and

**WHEREAS**, the District, for the payment of the amount of \$290,500, desires to acquire the release of the Easement encumbering the Easement Area; and

**WHEREAS**, all costs are to be funded from dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds for the acquisition and associated costs; and

**WHEREAS**, the 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 approves the purchase of land interests containing 0.343 acre, more or less, and, identified in the attached Exhibit “A”, for the C-43 West Basin Storage Reservoir Project in Hendry County, in the amount of \$290,500, together with associated costs, for which dedicated funds (Land Acquisition Trust Fund) and/or Ad Valorem funds are budgeted as follows:

Owner	Interest	Acres	Purchase Price
SWJR Land Development, LLC	Release of Easement	0.343	\$290,500

**Budgeted:**

Amount	Fund	Fund Center	Functional Area	GL	Account Description
\$290,500	425000/ 404000	35101444000	P104	580020	Acquisition

**Section 2:** The Governing Board of the South Florida Water Management District hereby authorizes the Chair or Vice Chair to execute the Agreement for Sale and Purchase instrument, and further authorizes the Executive Director or his designee to make any determinations in connection with the transaction and execute all other documents necessary to consummate this transaction.

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

**PASSED** and **ADOPTED** this 12<sup>th</sup> day of May, 2022.

## **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

### **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District advising the Florida Department of Environmental Protection of the proposed acquisition of land interests containing 0.343 acres, more or less, for the C-43 West Basin Storage Reservoir Project, in Hendry County, and requesting the release of funds in the amount of \$290,500 from the Land Acquisition Trust Fund for acquisition of such land interests, together with associated costs; providing an effective date.**

**WHEREAS**, the C-43 West Basin Storage Reservoir (“Project”) is a Comprehensive Everglades Restoration Plan (“CERP”) project; and

**WHEREAS**, the South Florida Water Management District (“District”), as local sponsor for the U. S. Army Corps of Engineers, has an active program underway to acquire land interests in the Project; and

**WHEREAS**, pursuant to Section 373.139(3)(c) Florida Statutes, the District is required to submit a resolution to the Florida Department of Environmental Protection when requesting funds from a trust fund, including the Land Acquisition Trust Fund.

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

**Section 1.** It does hereby advise the Secretary of the Florida Department of Environmental Protection of its intent to acquire a release of easement interest (the “Release”) from a willing seller at a cost of \$290,500, containing a total of 0.343 acres, more or less, in Hendry County, Florida, for the C-43 West Basin Storage Reservoir, as shown on the map attached hereto and made a part hereof as Exhibit “A”.

**Section 2.** The purchase price of the Release is based on the costs that the willing seller will incur to abandon his current irrigation pump station intake that conflicts with the District’s Project features, modify his consumptive use permit, and construct a new groundwater well that will eliminate that conflict. A cost analysis was conducted that resulted in a determination that there would be an approximately \$830,000 increase in Project construction costs if the conflict was not eliminated. Therefore, acquiring the Release in the amount of \$290,500, will result in a construction cost savings of approximately \$539,500.

**Section 3.** The land interest being acquired has been reviewed for the presence of State Sovereign submerged lands and the District has taken reasonable measures to avoid paying for sovereign lands.

**Section 4.** This request for funds is consistent with the District's Five-Year Plan of acquisition for the South Florida Water Management District Florida Forever Work Plan, as contained in Chapter 6A, Volume II of the South Florida Environmental Report, which has been filed with the Legislature and the Florida Department of Environmental Protection, and is consistent with Sections 373.139 and 373.470, Florida Statutes, as applicable.

**Section 5.** Acquisition of this land furthers the following Florida Forever goals set forth in Section 259.105(4), Florida Statutes:

- (a) Enhance the coordination and completion of land acquisition projects as measured by:
  - 3. The number of shared acquisition projects among Florida Forever funding partners and partners with other funding sources including local governments and the federal government.
- (d) Ensure that sufficient quantities of water are available to meet the current and future needs of natural systems and the citizens of the state, as measured by:
  - 2. The quantity of water made available through the water resource development component of a district water supply plan for which a water management district is responsible.
- (e) Increase natural resource-based public recreational and educational opportunities, as measured by:
  - 1. The number of acres acquired that are available for natural resource-based public recreation or education; and
  - 2. The miles of trails that are available for public recreation, giving priority to those that provide significant connections including those that will assist in completing the Florida National Scenic Trail; and
  - 3. The number of new resource-based recreation facilities, by type, made available on public land.

**Section 6.** The funds requested shall be used only for the acquisition costs and associated costs incurred during the process of acquiring the described land interests.

**Section 7.** The land interests being acquired shall be maintained in an environmentally acceptable manner.

**Section 8.** Should the District dispose of any or all of the interests acquired hereunder, all revenues derived therefrom will be used to acquire other lands for water management, water supply and the conservation and protection of water resources, within the boundaries of a CERP project.

**Section 9.** An environmental assessment of the property will be conducted to determine if any environmental concerns are observed. Any environmental concerns discovered shall be remediated, as necessary, and any risks will be borne by the District.

**Section 10.** The lands shall be managed for multiple-use purposes, including recreational uses, where compatible with the resource values of and management objectives for such lands as set forth in Section 259.105(5), Florida Statutes.

**Section 11.** The Executive Director, or designee, is hereby authorized to request the release of funds for all acquisition costs, associated costs and expenses for the land interests identified in this Resolution.

**Section 12.** The Resolution to approve the acquisition of these land interests was approved by the Governing Board of the District on May 12, 2022.

**Section 13.** The District will utilize funds from the Land Acquisition Trust Fund.

**Section 14.** This Resolution shall take effect immediately upon adoption.

**PASSED** and **ADOPTED** on this 12<sup>th</sup> day of May, 2022.

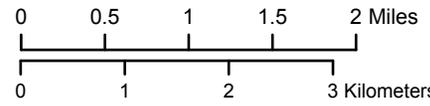
# Exhibit "A"



## C-43 West Basin Storage Reservoir (Hendry County) - Release of Easement



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



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

## MEMORANDUM

**TO:** Governing Board Members  
**FROM:** Stephen M. Collins, Real Estate & Land Management  
**DATE:** May 12, 2022  
**SUBJECT:** Release of Reservations

### **Agenda Item Background:**

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

### **Staff Recommendation:**

Staff recommends approval of the following:

#### **Palm Beach County**

- Release District canal and road reservations for Winners Church International Inc. of West Palm Beach, Florida (File No. 18896) for 9.67 +/- acres; release value of \$7,126.20 has been paid.
- Release District canal and road reservations and issue non-use commitment for Boynton Beach Associates 30, LLLP (File No. 18897) for 144.96 +/- acres; subject to release value payment of \$122,999.35 has been paid. The release is necessary in order to convey the parcel to Palm Beach County for conservation purposes.
- Release District canal and road reservations for Peter Taddeo and Christine Taddeo (File No. 18898) for 0.25 +/- acre; release value N/A (homestead property).

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

#### **Funding Source:**

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

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

Pursuant to Section 373.096 of the Florida Statutes, the Governing Board of the District may release any reservation for which it has no present or apparent use under terms and conditions determined by the Board.

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

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

**ATTACHMENTS:**

[Memo Exhibit A](#)

[Resolution No. 2022-0506](#)

[Resolution Exhibit A](#)

**MEMORANDUM – EXHIBIT “A”**

**Palm Beach County**

File No: 18896  
Applicant: Winners Church International, Inc. of West Palm Beach, Florida, a Florida not-for-profit corporation  
Reserving Deeds: E-3032 (DB 717-346, 4/30/1945) and E-6636 (DB 845-217, 5/6/1948)  
Application Fee Paid: \$250.00  
Release Value: \$7,126.00 (Paid)  
Action: Release District canal and road reservations  
Acres: 9.67 acres, more or less  
Legal Description: A portion of Parcel A, WINNERS CHURCH, PB 122-20, Section 3, Township 44 South, Range 42 East  
Location: Vacant land on the southside of Pioneer Road, West of Jog Road and East of Elaine Road, West Palm Beach, Palm Beach County  
Reviewed By: Water Supply Development Section, Right of Way Section, Environmental Resource Permitting Bureau, Office of Everglades Policy Coordination, and Lake Worth Drainage District

File No: 18897  
Applicant: Boynton Beach Associates 30, LLLP, a Florida limited liability limited partnership  
Reserving Deeds: T-1318 (DB 336-59, 3/31/1925), T-2351 (DB 339-273, 10/15/1925), T-2745 (DB 336-257, 11/30/1925), T-2822 (DB 370-104, 11/30/1925), T-2919 (DB 376-72, 11/30/1925), T-4306 (DB 379-472, 3/31/1926), T-4385 (DB 357-516, 3/31/1926), E-4934 (DB 763-264, 5/2/1946), E-5974 (DB 794-151, 1/9/1947) and E-5985 (DB 794-147, 1/9/1947)  
Application Fee Paid: \$4,100.00 (Paid)  
Release Value: \$122,999.35 (Paid)  
Action: Release District canal and road reservations and issue non-use commitment; subject to payment of \$122,999.35 for value of release of District real property interests  
Acres: 144.96 acres, more or less  
Legal Description: A portion of Block 60, PALM BEACH FARMS CO. PLAT NO. 3, PB 2-45, Section 31, Township 45 South, Range 42 East and Section 6, Township 46 South, Range 42 East  
Location: 11050 S. State Road 7, Boynton Beach, Palm Beach County  
Reviewed By: Water Supply Development Section, Right of Way Section, Environmental Resource Permitting Bureau, Office of Everglades Policy Coordination, and Lake Worth Drainage District

File No: 18898  
Applicant: Peter Taddeo and Christine Taddeo, husband and wife  
Reserving Deed: E-11 (DB 676-10, 12/13/1943)  
Application Fee Paid: \$250.00  
Release Value: Exempt (Homestead)  
Action: Release District canal and road reservations  
Acres: 0.25 acre, more or less

Legal Description: Lot 80, OSPREY PLAT, PB 103-1, Government Lot 6, Township 44.5  
South, Range 42 East  
Location: 9244 Pineville Drive, Lake Worth, Palm Beach County  
Reviewed By: No routing due to size, use and location

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to release District canal reservations and issue a non-use commitment; providing an effective date.**

**WHEREAS**, the applicant has requested that the South Florida Water Management District release certain District canal reservations and issue a non-use commitment as to District mineral reservations; and

**WHEREAS**, the District is empowered to grant such a release and non-use commitment pursuant to Section 373.096, Florida Statutes.

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

**Section 1.** The Governing Board of the South Florida Water Management District hereby approves the release of District canal reservations and issuance of a non-use commitment, as described in Resolution Exhibits "A" attached hereto and made a part hereof.

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

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

## RESOLUTION – EXHIBIT “A”

### Palm Beach County

File No: 18896  
Applicant: Winners Church International, Inc. of West Palm Beach, Florida, a Florida not-for-profit corporation  
Reserving Deeds: E-3032 (DB 717-346, 4/30/1945) and E-6636 (DB 845-217, 5/6/1948)  
Release Value: \$7,126.00 (Paid)  
Action: Release District canal and road reservations  
Acres: 9.67 acres, more or less  
Legal Description: A portion of Parcel A, WINNERS CHURCH, PB 122-20, Section 3, Township 44 South, Range 42 East  
Location: Vacant land on the southside of Pioneer Road, West of Jog Road and East of Elaine Road, West Palm Beach, Palm Beach County

File No: 18897  
Applicant: Boynton Beach Associates 30, LLLP, a Florida limited liability limited partnership  
Reserving Deeds: T-1318 (DB 336-59, 3/31/1925), T-2351 (DB 339-273, 10/15/1925), T-2745 (DB 336-257, 11/30/1925), T-2822 (DB 370-104, 11/30/1925), T-2919 (DB 376-72, 11/30/1925), T-4306 (DB 379-472, 3/31/1926), T-4385 (DB 357-516, 3/31/1926), E-4934 (DB 763-264, 5/2/1946), E-5974 (DB 794-151, 1/9/1947) and E-5985 (DB 794-147, 1/9/1947)  
Release Value: \$122,999.35 (Paid)  
Action: Release District canal and road reservations and issue non-use commitment; subject to payment of \$122,999.35 for value of release of District real property interests  
Acres: 144.96 acres, more or less  
Legal Description: A portion of Block 60, PALM BEACH FARMS CO. PLAT NO. 3, PB 2-45, Section 31, Township 45 South, Range 42 East and Section 6, Township 46 South, Range 42 East  
Location: 11050 S. State Road 7, Boynton Beach, Palm Beach County

File No: 18898  
Applicant: Peter Taddeo and Christine Taddeo, husband and wife  
Reserving Deed: E-11 (DB 676-10, 12/13/1943)  
Release Value: Exempt (Homestead)  
Action: Release District canal and road reservations  
Acres: 0.25 acre, more or less  
Legal Description: Lot 80, OSPREY PLAT, PB 103-1, Government Lot 6, Township 44.5 South, Range 42 East  
Location: 9244 Pineville Drive, Lake Worth, Palm Beach County

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** May 12, 2022

**SUBJECT:** Authorization for the Florida Fish and Wildlife Conservation Commission to Establish STA 1 East as an Alligator Harvest Unit and Manage Public Alligator Hunting on the Property Pursuant to Public Use Rule 40E-7.527, Florida Administrative Code

### **Agenda Item Background:**

The Florida Fish and Wildlife Conservation Commission is supportive of establishing STA 1 East as an Alligator Harvest Unit and managing alligator hunting activities on the property in accordance with State and Federal regulations and with the District's approval. Alligator hunting in STA 1 East would be managed through a quota permit process to regulate the number of people allowed to participate in the hunt and with rules and regulations similar to those adopted for the management of on-going alligator hunts in STA 1 West, STA 2, STA 3/4 and STA 5/6. The proposed alligator hunts in STA 1 East would begin during the fall of 2023 to align with the Commission's quota permitting schedule. Wounded warrior and youth alligator hunts could be scheduled during the summer/fall of 2022 due to an alternative permitting process used by the Commission to administer these types of specialty hunts.

District staff has received requests from recreational groups, the public, and the Commission indicating that there is a strong public interest in opening this area for alligator hunting.

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

#### **Additional Item Background:**

Construction activities that have restricted public access in the 6,552-acre Stormwater Treatment Area ("STA") 1 East property located in Palm Beach County have recently been completed. The agenda item proposes to authorize the Florida Fish and Wildlife Conservation Commission ("Commission") to establish STA 1 East as an Alligator Harvest Unit and manage public alligator hunting opportunities on the property in accordance with Public Use Rule 40E-7.527, Florida Administrative Code.

Portions of the STA 1 East property are currently open to the public for a variety of nature based recreational activities including hiking, biking, fishing, and wildlife viewing during daylight hours from Friday through Monday. Alligator hunting has proven to be a popular and project compatible recreational activity in the STAs but has not been authorized in STA 1 East due to construction activities that have restricted the vehicle access necessary to successfully administer alligator hunting on the property. With the completion of these construction activities, the public access is now available to support adding alligator hunting as an additional recreational use in STA 1 East.

The Commission supports establishing STA 1 East as an Alligator Harvest Unit and managing alligator hunting activities on the property in accordance with State and Federal regulations and with approval from the South Florida Water Management District. Alligator hunting in STA

1 East would be managed through a quota permit process to regulate the number of people allowed to participate in the hunt and with rules and regulations similar to those adopted for the management of on-going alligator hunts in STA 1 West, STA 2, STA 3/4 and STA 5/6. The proposed alligator hunts in STA 1 East would begin during the fall of 2023 to align with the Commission's quota permitting schedule. Wounded warrior and youth alligator hunts could be scheduled during the summer/fall of 2022 due to an alternative permitting process used by the Commission to administer these types of specialty hunts. District staff has received requests from recreational groups, the public, and the Commission indicating that there is a strong public interest in opening this area for alligator hunting.

**Core Mission and Strategic Priorities:**

This Governing Board item supports the District's core mission and strategic goals by allowing for public recreation consistent with Section 373.1391, Florida Statutes. The Real Estate and Land Management Division is responsible for implementing this item and administering public recreation on District lands.

**Funding Source:**

**Staff Contact and/or Presenter:**

Stephen Collins, [smcollins@sfwmd.gov](mailto:smcollins@sfwmd.gov), 561-682-2959

**ATTACHMENTS:**

[Resolution No. 2022-0507](#)

[Exhibit A](#)

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize the Florida Fish and Wildlife Conservation Commission to establish the approximately 6,552-acre STA 1 East property, located in Palm Beach County, as an Alligator Harvest Unit for the purpose of managing public alligator hunting opportunities; providing an effective date.**

**WHEREAS**, the District owns Tracts 49102-029, 49102-031, 49102-033 through 49102-105, 49102-113, 49102-119 through 49102-121, 49102-129 through 49102-132, 49102-245, 49102-247, and 49102-248 located in Palm Beach County consisting of approximately 6,552 acres known as STA 1 East and identified in Exhibit "A" which is attached and incorporated into this resolution (collectively the "Properties");

**WHEREAS**, pursuant to Public Use Rule 40E-7.527, Florida Administrative Code (F.A.C), the Governing Board of the South Florida Water Management District may authorize public hunting activities on District lands where such activities are regulated, administered, and enforced by the Florida Fish and Wildlife Conservation Commission ("Commission");

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize the Commission to establish the Properties as an Alligator Harvest Unit for the purpose of managing public alligator hunting on the Properties in accordance with Public Use Rule 40E-7.527, F.A.C.; and

**WHEREAS**, the number of quota permits issued by the Commission for the annual alligator harvest season shall be determined in consultation with South Florida Water Management District staff.

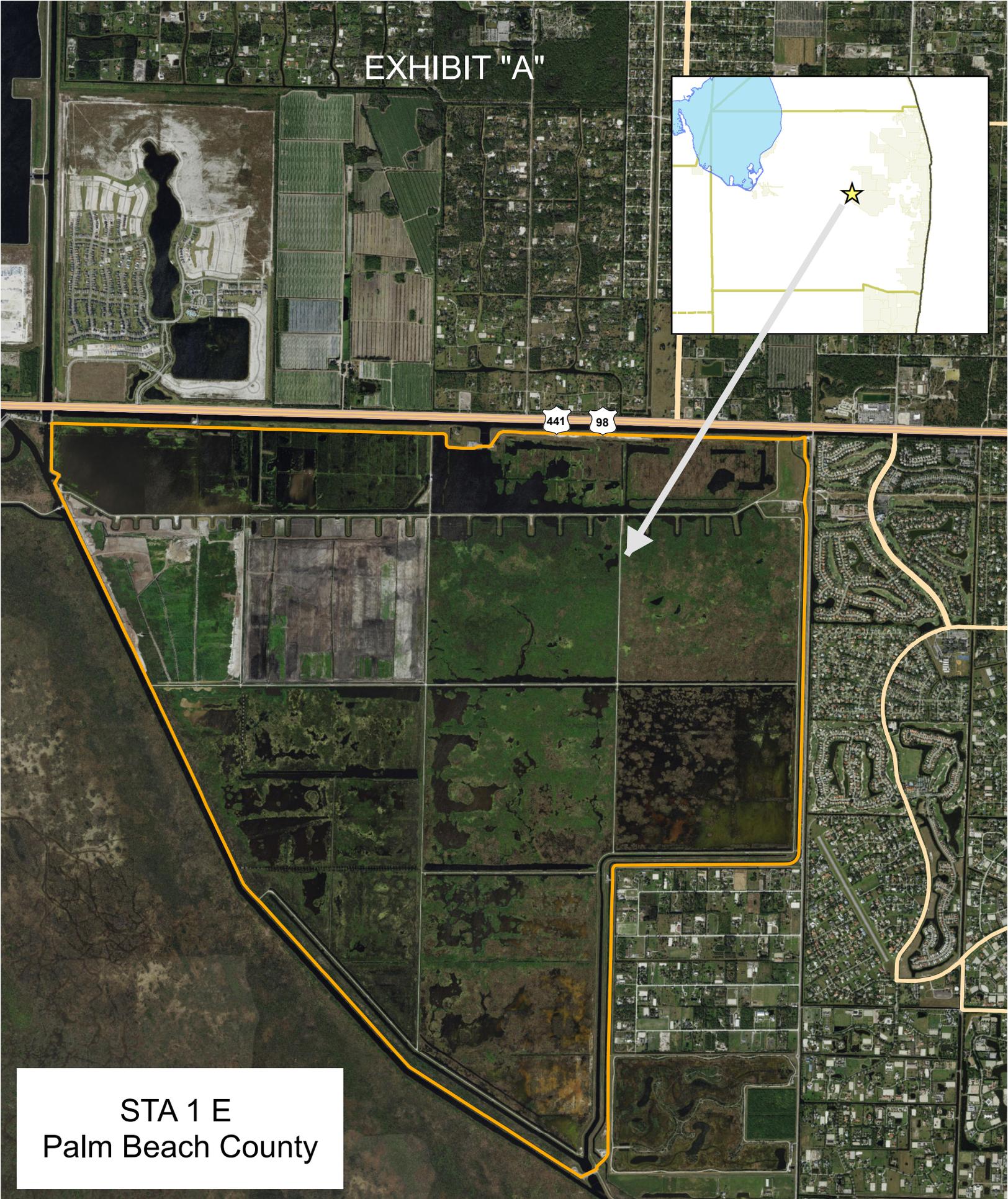
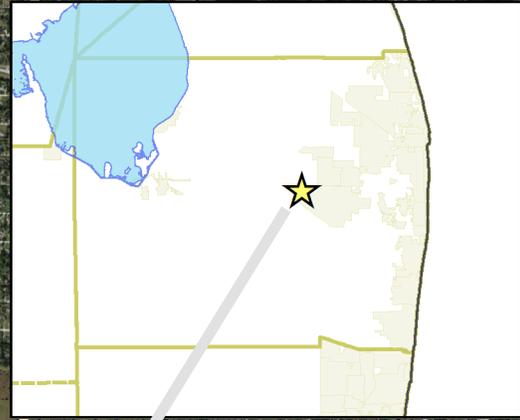
### **NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Section 1.** The Governing Board of the South Florida Water Management District hereby authorizes the Florida Fish and Wildlife Conservation Commission to establish the Properties as an Alligator Harvest Unit and to manage public alligator hunting on the Properties in accordance with Public Use Rule 40E-7.527, F.A.C., subject to all applicable laws, statutes, regulations, and other requirements.

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

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

# EXHIBIT "A"



**STA 1 E**  
**Palm Beach County**

**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.



## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Lawrence Glenn, Water Resources Division

**DATE:** May 12, 2022

**SUBJECT:** Agreement with Audubon of Florida Tavernier Science Center to Monitor Roseate Spoonbill Survival in Florida Bay

### **Agenda Item Background:**

Staff seeks approval to enter into a three-year, sole source agreement, with the Audubon of Florida's Tavernier Science Center to monitor Roseate Spoonbill survival in Florida Bay in an amount not to exceed \$299,730 subject to Governing Board approval of the Fiscal Year 2023-2024 Budget. This RECOVER monitoring, in support of the Comprehensive Everglades Restoration Plan (CERP), provides critical information on a CERP identified ecological indicator species.

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

#### **Additional Item Background:**

Audubon's Everglades Science Center (AESC) has performed annual surveys of Florida Bay's nesting population intermittently since 1935 and continuously since 1987. These surveys are highly labor intensive requiring repeated visits to more than 70 keys in Florida Bay on an annual basis. Until 2000, these birds chose locations in a reasonably predictive pattern, nesting heavily in northeastern Florida Bay. However, since that time, spoonbill nesting has shifted in both timing and location, perhaps due to sea level rise. Due to the uncertainty in the birds' nesting behavior, a new methodology is being developed, relying on the technology of remote cameras or "camera traps" to help reduce labor costs, improve monitoring efficacy, and lessen disturbance to nesting birds.

Audubon will cost-share nest counting, bay-wide surveys, and prey fish abundance monitoring in foraging locations as part of this contract with the District.

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

This item is aligned with the District mission to balance and improve natural systems. It supports multiple objectives within Florida Bay including determining impacts of water management from the South Dade Conveyance System, Taylor Slough and the C-111 area on the natural system, reporting of system condition for RECOVER and providing information on CERP identified ecological indicator species.

### **Funding Source:**

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

Fred Sklar, [fsklar@sfwmd.gov](mailto:fsklar@sfwmd.gov), 561-682-6504

### **ATTACHMENTS:**

Resolution No. 2022-0508

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an agreement with Audubon of Florida Tavernier Science Center for monitoring Roseate Spoonbill survival in Florida Bay, in the amount of \$299,730 of which \$99,910 is budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 4600004591)**

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a three-year agreement with Audubon of Florida Tavernier Science Center, authorized as a sole source, an exception to the general standards of competition, in the amount of \$299,730, of which \$199,910 is budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets, to monitor the survival of Roseate Spoonbills in Florida Bay, and;

**WHEREAS**, this work will result in development and implementation of an improved methodology for monitoring this important Comprehensive Everglades Restoration Plan (CERP) Restoration, Coordination, and Verification (RECOVER) indicator species.

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

**Section 1.** The Governing Board of the South Florida Water Management District hereby authorizes entering into an agreement with Audubon of Florida's Tavernier Science Center as a sole source exception to the general standards of competition in the amount of \$299,730. (Contract No. 4600004591)

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

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

SOUTH FLORIDA WATER MANAGEMENT  
DISTRICT, BY ITS GOVERNING BOARD

ATTESTED::

By:

\_\_\_\_\_  
District Clerk/Secretary

By:

\_\_\_\_\_  
Chairman

Approved as to form :

\_\_\_\_\_  
Office of Counsel

\_\_\_\_\_  
Print name:

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Mark Elsner, Water Resources Division

**DATE:** May 12, 2022

**SUBJECT:** Water Reuse Week, May 15-21, 2022

### **Agenda Item Background:**

May typically marks the end of the dry season and can be a period of time when water needs are most acute. At this time, it is important to increase awareness regarding the re-use of our precious water resources. Over the last two decades, water reuse in the District has increased 82 percent to 327 million gallons per day and has become integral to south Florida's water supply. WateReuse Florida, the state section of the WateReuse Association, has designated May 15-21, 2022 as Water Reuse Week in the State of Florida.

With this resolution, the District will join WateReuse Florida, other water management districts, local governments, and other organizations in supporting water reuse with the adoption of similar resolutions throughout Florida.

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

This item supports the District's core mission and five-year strategic goals through diversification of water supply sources by developing alternative sources including the use of reclaimed water and water reuse.

### **Funding Source:**

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

Mark Elsner, [melsner@sfwmd.gov](mailto:melsner@sfwmd.gov), 561-682-6156

### **ATTACHMENTS:**

[Resolution No. 2022-0509](#)

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District proclaiming May 15-21, 2022 as Water Reuse Week; providing an effective date.**

**WHEREAS**, safe, clean, and sustainable water resources are essential to Florida's environment, economy, citizens, and visitors, and

**WHEREAS**, water reuse provides a means for conserving and augmenting Florida's precious water resources, and

**WHEREAS**, Florida has established the encouragement and promotion of water reuse as state objectives in Chapters 373 and 403, Florida Statutes, and

**WHEREAS**, Florida has become a national leader in water reuse, reusing nearly 820 million gallons per day (mgd) of reclaimed water to conserve freshwater supplies and recharge our freshwater resources, and

**WHEREAS**, the District implements a cooperative funding program to provide financial assistance to entities developing alternative water supplies including water reuse; has funded studies and pilot programs to promote innovative treatment technologies; has engaged in innovative uses and application of reclaimed water; and promotes and encourages efficient and effective use of reclaimed water, and

**WHEREAS**, there are over 100 reuse facilities in the South Florida Water Management District (District) reusing 328 mgd of reclaimed water for a beneficial purpose including irrigation of golf courses, residential lots and other green space, ground water recharge, environmental enhancement, and industrial purposes, and

**WHEREAS**, there is approximately 560 mgd of potentially reusable water that is currently being disposed, primarily through ocean discharge or down deep injection wells, within the boundaries of the District, and

**WHEREAS**, May is typically a dry month when water demands are high, and is a good time to educate residents about how they can help save Florida's precious water resources through water reuse; and

**WHEREAS**, the District is joining Water Reuse Florida, other water management districts, local governments, and other organizations in designating May 15-21, 2022 as Water Reuse Week.

**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 proclaims May 15-21, 2022 as **WATER REUSE WEEK.**

**Section 2.** The Governing Board of the South Florida Water Management District urges every citizen and visitor to become more aware of the need to save our precious water supply and to take appropriate measures to conserve and protect this vital natural resource.

**Section 3.** This Resolution takes effect immediately upon adoption.

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Lisa Koehler, Administrative Services, Facilities Bureau

**DATE:** May 12, 2022

**SUBJECT:** Collier County Office Lease Extension at Big Cypress Service Center

### **Agenda Item Background:**

In 2009, on behalf of the Big Cypress Basin, the District purchased the current facility housing the Big Cypress Basin Service Center (BCBSC). This purchase was made with Big Cypress Basin Ad Valorem funds. The BCBSC consists of two buildings connected by a breezeway totaling approximately 9,640 square feet and is part of a four-building office condominium complex. It was determined in 2014 that the BCBSC staff could adequately utilize just one of the buildings for their operations and the other building could be leased to generate revenue.

The other building was leased to Collier County for 5 years with three 1-year optional extensions. The last of the optional 1-year extensions ends on May 31, 2022. Collier County has expressed interest in leasing the building for three additional years and at their February meeting, the Big Cypress Basin Board expressed their consent to this lease extension.

This request is to authorize a three-year extension to the existing Lease with Collier County, in an amount of \$240,317.58 to the existing Contract 4600003056 resulting in a revenue total amount of \$800,564.69. It is also requested that the Terms and Conditions be amended to increase the written notice required to terminate the lease from 60 days to 120 days.

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

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

### **Funding Source:**

This is a Revenue Contract.

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

Lisa Koehler, lkoehler@sfwmd.gov, 561-682-7603  
Candida Heater, cheater@sfwmd.gov, 561-682-6486

### **ATTACHMENTS:**

[Resolution No. 2022-0510](#)

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize an amendment to Contract No. 4600003056 with Collier County by extending the original Lease by three additional years for an amount of \$240,317.58 for a total revenue amount of \$800,564.69 and to amend the Terms and Conditions of the Lease by increasing the written notice required to terminate the lease from 60 days to 120 days; providing an effective date. (Contract No. 4600003056-A04)**

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to authorize an amendment to Contract 4600003056 with Collier County to extend the original eight (8) year Lease by three (3) additional years for \$240,317.58 and for a total revenue amount of \$800,564.69 and to amend the Terms and Conditions of the Lease by increasing the written notice required to terminate the lease from 60 days to 120 days; providing an effective date. (Contract No. 4600003056-A04)

**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 amendment to Contract No. 4600003056 with Collier County to extend the Lease by three (3) additional years and to amend the Terms and Conditions of the Lease increasing the written notice required to terminate the lease from 60 days to 120 days. (Contract No. 4600003056-A04)

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

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** May 12, 2022

**SUBJECT:** Alternative Water Supply Funding Program

### **Agenda Item Background:**

This item includes a presentation of the Fiscal Year 2022-2023 Alternative Water Supply Funding Program (Program) which includes a recap and the final project list for the Florida Department of Environmental Protection (DEP) submittal by May 31, 2022. The Program's purpose is to provide financial incentives through matching grants for local alternative water supply and water conservation projects.

Staff is seeking Governing Board authorization for the upcoming Fiscal Year 2022-2023 Program to:

- A. Approve and submit the final project list to the DEP for funding consideration for the DEP Alternative Water Supply Grant Program in dedicated state appropriations from the 2022 State General Appropriations Act.
- B. Authorize entering into agreement(s) with cooperating entities for alternative water supply and water conservation projects that receive state appropriations from the 2022 General Appropriations Act.

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

#### **Additional Item Background:**

Water resource and water supply development projects help to protect our water resources and ensure that the needs of existing and future users are met. In recognition of this, the State's last three fiscal year budgets have each included \$40 million in statewide cost-share funding to support development of alternative water supply projects. The DEP administers this funding and relies on a priority list of projects submitted by each of the State's water management districts for consideration. The DEP issued an Alternative Water Supply Funding Guidance document in June 2020 that requests the water management districts provide a list of projects to them for funding consideration by May 2022, in anticipation of Alternative Water Supply funding being approved in the State's FY2022-2023 budget. Currently, the State's FY2022-2023 budget has not been finalized but the tentative amount is \$50 million in statewide funding.

For FY2022-2023, a total of 27 alternative water supply and water conservation applications were received by the District. Staff reviewed the applications based on Governing Board guidelines and potential FDEP funding considerations including: regional benefits, shovel readiness, resource protection, and complementary benefits such as flood protection and recreation. The District is submitting a final project list for funding consideration with total capital/project costs of \$323.3 million with a total funding request of \$42.4 million.

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

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

**Funding Source:**

Fiscal Year 2022-2023: Anticipated recurring state appropriation as outlined in Executive Order 19-12 (Achieving More Now for Florida's Environment) for alternate water supply and water conservation projects in the State's Fiscal Year 2022-2023 budget. If there are state appropriations for alternative water supply funding, there will be no required match on behalf of the District.

**Staff Contact and/or Presenter:**

Stacey Adams, sadams@sfwmd.gov, 561-682-2577

**ATTACHMENTS:**

[Resolution No. 2022-0511](#)

[Resolution No. 2022-0512](#)

[Exhibit A](#)

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
**Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to approve and authorize submittal of the final project list to the Florida Department of Environmental Protection for the purpose of funding consideration for projects listed in Exhibit A for the DEP Alternative Water Supply Grant Program in dedicated state appropriations from the 2022 State General Appropriations Act; providing an effective date.**

**WHEREAS**, the Governor and Legislature have recognized the importance of alternative water supply and the protection of Florida’s natural systems with a statewide investment during the 2022 legislative session; and

**WHEREAS**, water resource and water supply development projects help to protect our water resources and ensure that the needs of existing and future users are met; and

**WHEREAS**, the District may receive one-time funding from the 2022 State General Appropriations Act, and

**WHEREAS**, District staff have determined that all applicable requirements set forth by the Florida Department of Environmental Protection have been met and complied with in order to accept potential funds.

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

**Section 1.** The Governing Board of the South Florida Water Management District hereby determines that it is necessary, appropriate, and in the public interest to approve and authorize submittal of the final project list in Exhibit A to the Florida Department of Environmental Protection for funding consideration from potential dedicated state appropriations.

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

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

# **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

## **Resolution No. 2022 - 05XX**

**A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into agreement(s) with cooperating entities for alternative water supply and water conservation projects with dedicated state appropriations from the 2022 General Appropriations and delegating authority to the Executive Director to execute the agreements for identified projects listed in Exhibit A that receive state appropriations; providing an effective date.**

**WHEREAS**, the Governor and Legislature have recognized the importance of alternative water supply and the protection of Florida's natural systems with a statewide investment during the 2022 legislative session; and

**WHEREAS**, water resource and water supply development projects help to protect our water resources and ensure that the needs of existing and future users are met.

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

**Section 1.** The Governing Board of the South Florida Water Management District hereby determines that it is necessary, appropriate, and in the public interest to approve the final project list in Exhibit A and authorize the Executive Director or his designee to execute agreements with cooperating entities for alternative water supply and water conservation projects that receive state appropriations.

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

**PASSED and ADOPTED** this 12<sup>th</sup> day of May, 2022.

DRAFT  
Exhibit A

Cooperating Entity	Project Name	County	Project Type	Phase Quantity of Water Made Available	Total Quantity of Water Made Available	Total Capital/Project Costs	Phase Construction or Total Project Cost (WC)	DEP AWS Funding Request
Palm Beach County Water Utilities Department	Palm Beach-Broward Interconnect Phase IA: South Reclaimed Water Transmission and System Extension (~3.6 miles) in southern Palm Beach County	Palm Beach	Reclaimed	2.00 [a]	10.51 [a]	\$52,000,000	\$7,000,000	\$3,500,000
Cape Coral, City of	North 1 Reclaimed Water Main Extension (~7.5 miles), Phase 1A	Lee	Reclaimed	0.44 [a]	0.44 [a]	\$8,157,749	\$2,764,402	\$1,382,200
Broward County Resilient Environment Department, Natural Resources Division	Conservation Pays High Efficiency Toilet Rebate on behalf of Broward Water Partnership	Broward	PS and CII Conservation	0.00	0.02	\$100,000	\$100,000	\$50,000
Bonita Springs Utilities, Inc.	Irrigation Residential Rebate Program	Lee	PS and CII Conservation	0.00	0.04	\$20,000	\$20,000	\$8,000
Broward County Water and Wastewater Services (WWS)	High Efficiency Toilet Replacement Credit Program	Broward	PS and CII Conservation	0.00	0.01	\$60,000	\$60,000	\$25,500
RLJ Lodging Trust	Cooling Tower Optimization - Double Tree Hotel Key West	Monroe	PS and CII Conservation	0.00	0.00	\$33,500	\$33,500	\$16,750
Bonita Springs Utilities, Inc.	High-Efficiency Toilet Rebate Program	Lee	PS and CII Conservation	0.00	0.01	\$50,000	\$50,000	\$20,000

DRAFT  
Exhibit A

Cooperating Entity	Project Name	County	Project Type	Phase Quantity of Water Made Available	Total Quantity of Water Made Available	Total Capital/ Project Costs	Phase Construction or Total Project Cost (WC)	DEP AWS Funding Request
West Palm Beach, City of	Community Water Conservation Strategies Phase IX - HET	Palm Beach	PS and CII Conservation	0.00	0.01	\$62,500	\$62,500	\$31,250
RLJ Lodging Trust	Cooling Tower Optimization - Embassy Suites Miami Airport	Miami-Dade	PS and CII Conservation	0.00	0.00	\$33,500	\$33,500	\$16,750
Broward County Resilient Environment Department, Natural Resources Division	High Efficiency Toilet Retrofit Project - Low/moderate income	Broward	PS and CII Conservation	0.00	0.00	\$20,000	\$20,000	\$10,000
Bonita Springs Utilities, Inc.	High-Efficiency Toilet Rebate Program	Lee	PS and CII Conservation	0.00	0.01	\$50,000	\$50,000	\$20,000
Palm Beach County Water Utilities Department	Green Cay Wetlands 2 mgd Indirect Potable Reuse Project - water purification treatment plant, 2.3 miles reclaimed water main, and 4 surficial aquifer wells	Palm Beach	Reclaimed	2.00	2.00	\$78,500,000	\$40,000,000	\$5,000,000
Pelican's Nest Golf Club	Pelican's Nest Golf Course Irrigation Retrofit	Lee	LR Conservation	0.00	0.17	\$2,025,000	\$2,025,000	\$100,000
Reflection Isles Master Association, Inc	Reflection Isles Irrigation Retrofit	Lee	LR Conservation	0.00	0.04	\$364,420	\$364,420	\$100,000
Gateway Greens Community Association (HOA)	Gateway Greens Irrigation Control System Retrofit	Lee	LR Conservation	0.00	0.02	\$400,000	\$400,000	\$100,000

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Exhibit A

Cooperating Entity	Project Name	County	Project Type	Phase Quantity of Water Made Available	Total Quantity of Water Made Available	Total Capital/ Project Costs	Phase Construction or Total Project Cost (WC)	DEP AWS Funding Request
St. Lucie County BOCC	North County Reverse Osmosis Water Treatment Plant - Floridan Aquifer System Wells PW-2 and PW-3	St. Lucie	Brackish Groundwater	2.00	2.00	\$7,600,000	\$5,000,000	\$2,500,000
Bonita Springs Utilities, Inc.	Reverse Osmosis Water Treatment Plant 4 mgd (Phase 3) Expansion - RO Membranes, Floridan Aquifer Wells 43, 44, 49, 50, 52 and 53, and Raw Water Mains	Lee	Brackish Groundwater	4.00	4.00	\$19,100,000	\$17,300,000	\$8,650,000
Lee County Utilities	North Lee County Water Treatment Plant and Wellfield Expansion Phase 3	Lee	Brackish Groundwater	4.75	4.75	\$40,147,310	\$16,147,310	\$6,458,300
Gulf Stream Golf Club	Gulf Stream Golf Club Reverse Osmosis Water Treatment System and Floridan Aquifer System Well	Palm Beach	Brackish Groundwater	0.50	0.50	\$2,500,000	\$2,300,000	\$1,150,000
Fort Myers, City of	Eastwood Floridan Aquifer System Wells S-3, S-4, and S-5, and Raw Water Mains	Lee	Brackish Groundwater	3.00 [b]	3.00 [b]	\$77,200,000	\$10,060,000	\$5,000,000
Martin County Utilities	North Reverse Osmosis Water Treatment Plant Floridan Aquifer System Well NRO-5 and Raw Water Mains	Martin	Brackish Groundwater	2.00 [b]	2.00 [b]	\$3,600,000	\$3,600,000	\$1,800,000
Jupiter Utilities, Town of	Floridan Aquifer System Wells RO-14, RO-15, RO-16 Wellheads, Piping and Appurtenances	Palm Beach	Brackish Groundwater	4.50 [b]	4.50 [b]	\$11,393,217	\$3,050,000	\$1,220,000

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Exhibit A

Cooperating Entity	Project Name	County	Project Type	Phase Quantity of Water Made Available	Total Quantity of Water Made Available	Total Capital/ Project Costs	Phase Construction or Total Project Cost (WC)	DEP AWS Funding Request
Port St. Lucie, City of	James E Anderson Water Treatment Facility Expansion, Phase III - Floridan Aquifer System Well F-37 and 30-inch Raw Water Main	St. Lucie	Brackish Groundwater	2.664 [b]	7.992 [b]	\$16,500,000	\$7,500,000	\$3,750,000
Immokalee, City of	Reclaimed Water System 2 mgd Expansion, Phase I - WWTP upgrades and 4,600 linear feet of Transmission Main to Williams Ranch	Collier	Reclaimed	2.00 [a]	2.00 [a]	\$3,400,000	\$3,000,000	\$1,500,000
<b>Totals for Resolution A and B – eligible for state appropriation</b>				<b>13.25</b>	<b>13.58</b>	<b>\$323,267,196</b>	<b>\$120,890,632</b>	<b>\$42,388,750</b>
Marco Island, City of	Brackish Raw Water Transmission Main Replacement Between Floridan Aquifer System Wells # 17 and #19	Collier	Other	0.00	0.00	\$488,730	\$400,000	\$0
Port St. Lucie, City of	Prineville Reverse Osmosis Water Treatment Plant Concentrate Deep Injection Well IW-2	St. Lucie	Other	0.00	0.00	\$13,879,942	\$13,879,942	\$0
Estero, Village of	Estero Bay Village, Cypress Bend, and Sunny Groves Septic to Sewer Conversion for Reclaimed Water	Lee	Other	0.00	0.00	\$1,462,962	\$1,462,962	\$0
Sunrise, City of	Advanced Metering Improvements	Broward	Other	0.00	0.00	\$13,519,723	\$2,000,000	\$0
<b>Totals for projects not eligible for state appropriation</b>				<b>0.00</b>	<b>0.00</b>	<b>\$29,351,357</b>	<b>\$17,742,904</b>	<b>\$0</b>

[a] Distribution/use type project; water made available accounted for in treatment plant capacity

[b] Phased project, water accounted for previously or in future year upon completion of project

PS – Public Supply

CII – Commercial/Industrial/Institutional

LR – Landscape/recreation

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** , Ecosystem Restoration & Capital Projects

**DATE:** May 12, 2022

**SUBJECT:** Letter of Support for the Lake Okeechobee Watershed Restoration Project  
(Staff contact, Jennifer Reynolds)

### **Agenda Item Background:**

As part of the Comprehensive Everglades Restoration Plan (CERP), staff will brief the Governing Board regarding a letter of support and certification of financial capability to the USACE for the Lake Okeechobee Watershed Restoration Project (LOWRP) Final Integrated Revised Project Implementation Report and Environmental Impact Statement (PIR/EIS). The purpose of the LOWRP is to increase water storage capacity within the watershed to improve Lake Okeechobee water levels, improve the quantity and timing of regulatory discharges to the Caloosahatchee and St. Lucie estuaries, restore freshwater wetlands, and improve water supply. The District is the non-federal sponsor for LOWRP.

The Water Resources Development Act of 1986 requires the Secretary of the Army to determine a non-federal sponsor's ability to pay. USACE regulations allow the non-federal sponsor to self-certify it has the ability to pay its share of the project costs. Additionally, the CERP Programmatic Regulations require a letter of support from the non-federal sponsor be included in any Final PIR/EIS. Staff plans to transmit a letter to the USACE expressing the District's support for the project and affirming financial capability to satisfy the non-federal sponsor's obligations described in the LOWRP PIR/EIS should a project partnership agreement be executed by the parties.

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

This project supports the District's core missions of protecting and restoring ecosystems, as well as improving water supply.

### **Funding Source:**

The LOWRP is a 50/50 cost share project under the CERP. Future financial commitments are contingent on continued funding appropriations from the State of Florida Legislature and Governing Board approval of future years budgets.

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

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

### **ATTACHMENTS:**

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

**TO:** Governing Board Members

**FROM:** Jennifer Reynolds, Ecosystem Restoration & Capital Projects

**DATE:** May 12, 2022

**SUBJECT:** Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Solicitation 6000001289, Contract Negotiations and Execution

**Agenda Item Background:**

To supplement the ongoing implementation of the Northern Everglades and Estuaries Protection Program (NEEPP), the District has developed and implemented several service provider initiatives whereby private landowners manage water on private property to provide retention and/or nutrient load reduction in the northern Everglades. Environmental services provided by the proposals will complement regional water storage and treatment facilities in the northern Everglades and improve conditions in the Lake Okeechobee, Caloosahatchee River Estuary and St. Lucie River Estuary. Several service provider contracts for storage and nutrient load reduction will be expiring near term and over upcoming fiscal years. Therefore, the District issued a Request for Proposals (RFP) solicitation to seek projects from existing and new landowners located within three NEEPP watersheds to provide quantifiable water quality and/or water storage benefits. The RFP resulted in fifteen responsive project proposals. Staff requests Governing Board approval to enter into negotiations with respondents for up to 10-year contracts and execute said contracts subject to successful negotiations and funding availability. Staff requests approval for the following not to exceed amounts:

<b>Watershed</b>	<b>Not to Exceed Amount</b>
Lake Okeechobee	\$19,000,000
Caloosahatchee River Watershed	\$107,000,000
St. Lucie River Watershed	\$28,000,000

**Core Mission and Strategic Priorities:**

**Additional Item Background:**

The Florida legislature passed the Lake Okeechobee Protection Act (Section 373.4595, Florida Statutes [F.S.]) in 2000 to establish the Lake Okeechobee Protection Program to restore and protect the Lake. Underscoring the State's commitment to the Everglades ecosystem restoration, the Florida Legislature in 2007 amended the Lake Okeechobee Protection Act to serve as the Northern Everglades and Estuaries Protection Program, an interagency initiative that protects and restores the three interconnected Lake Okeechobee, Caloosahatchee, and St. Lucie watersheds. The NEEPP requires the Coordinating Agencies [District, Florida Department of Environmental Protection (DEP), and Florida Department of Agriculture and Consumer Services (FDACS)], to develop and implement Watershed

Protection Plans for the Lake Okeechobee, St. Lucie, and Caloosahatchee watersheds. The purpose of the Watershed Protection Plans is to identify and implement programs and projects necessary to achieve water quality and quantity objectives for the watersheds. Water quality objectives are based on Total Maximum Daily Loads (TMDLs) established by the DEP.

**Core Mission and Strategic Priorities:**

The proposed NEEPP water quantity and quality projects will supplement other existing and planned projects and programs to achieve the District’s core mission to safeguard and restore South Florida’s water resources and ecosystems, protect our communities from flooding, meet the region’s water needs, and connect with the public and stakeholders.

**Funding Source:**

Funding for this item is subject to Governing Board approval of future years budgets.

**Staff Contact and/or Presenter:**

Megan Jacoby, [mjacoby@sfwmd.gov](mailto:mjacoby@sfwmd.gov), 561-682-6517

Jonathan Madden, [jmadden@sfwmd.gov](mailto:jmadden@sfwmd.gov), 561-682-2617

**ATTACHMENTS:**

[Resolution No. 2022-0513](#)

[Resolution No. 2022-0514](#)

[Resolution No. 2022-0515](#)

# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Resolution No. 2022 - 05XX

**A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities listed below for the Lake Okeechobee Watershed portion of the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$19 Million for the Lake Okeechobee watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets; providing an effective date.**

Lake Okeechobee Watershed

Contract No.	Project Name	Contractor Name
4600004573	Buck Island Ranch Project	Archbold Expedition, Inc.
4600004574	Eagle Haven Ranch Project	Eagle Haven Ranch LLC
4600004575	Dixie Ranch Retention Project (East and West)	Family Tree Enterprises Limited Partnership LLLP
4600004576	XL Ranch Water Retention and Nutrient Removal Project	XL Ranch LP
4600004577	Partin Family Ranch	Doc Partin Ranch, Inc.
4600004578	Stormwater Pond 1 (SP1) Project	McArthur Farms, Inc.
4600004579	Stormwater Pond 4 (SP4) Project	McArthur Farms, Inc.
4600004580	AguaCulture Technologies Project	AguaCulture LLC

**WHEREAS**, the Florida legislature passed the Lake Okeechobee Protection Act (Section 373.4595, Florida Statutes [F.S.]) in 2000 to establish the Lake Okeechobee Protection Program to restore and protect the Lake, and;

**WHEREAS**, underscoring the State's commitment to the Everglades ecosystem restoration, the Florida Legislature in 2007 amended the Lake Okeechobee Protection Act to serve as the Northern Everglades and Estuaries Protection Program, an interagency initiative that protects and restores the three interconnected Lake Okeechobee, Caloosahatchee River, and St. Lucie River watersheds, and;

**WHEREAS**, the NEEPP requires the Coordinating Agencies [South Florida water Management District (District), Florida Department of Environmental Protection (DEP), and Florida Department of Agriculture and Consumer Services (FDACS)], to develop and implement Watershed Protection Plans for the Lake Okeechobee, St. Lucie River, and Caloosahatchee River watersheds, and;

**WHEREAS**, the purpose of the Watershed Protection Plans is to identify and implement programs and projects necessary to achieve water quality and quantity objectives based on Total Maximum Daily Loads established by the DEP for the watersheds, and;

**WHEREAS**, to supplement the ongoing implementation of the NEEPP, the District has developed and implemented several service provider initiatives whereby private landowners manage water on private property to provide retention and/or nutrient load reduction in the northern Everglades, and;

**WHEREAS**, the service provider initiatives with private landowners retain, store and/or treat water in the regional system, promotes hydrologic enhancement, groundwater recharge, and habitat improvements, avoids high cost of land purchase and keeps private lands on local tax rolls, and;

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize staff to negotiate and enter into 10-year contracts, subject to successful negotiations, with the entities listed in the body of this Resolution for the Lake Okeechobee watershed portion of the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289.

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

**Section 1.** A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and, enter into 10-year contracts, subject to successful negotiations with the entities listed in the body of this Resolution for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$19 Million for the Lake Okeechobee watershed and \$154 Million across all three watersheds , for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.

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

**PASSED and ADOPTED** this 12th day of May, 2022.

# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Resolution No. 2022 - 05XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities in the Caloosahatchee River Watershed listed below for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$107 Million for the Caloosahatchee River Watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets; providing an effective date.

### Caloosahatchee River Watershed

Contract No.	Project Name	Contractor Name
4600004581	Four Corners Rapid Infiltration Project	ALJO Groves, LC
4600004582	C-42 Water Retention & Nutrient Load Reduction Project	Roadrunner (Fort Myers) ASLI V LLLP
4600004583	NEWWRNLR Project	Ferrate Solutions, Corp.

**WHEREAS**, the Florida legislature passed the Lake Okeechobee Protection Act (Section 373.4595, Florida Statutes [F.S.]) in 2000 to establish the Lake Okeechobee Protection Program to restore and protect the Lake, and underscoring the State's commitment to Everglades ecosystem restoration, the Florida Legislature in 2007 expanded the Lake Okeechobee Protection Act (Section 373.4595, F.S) to include protection and restoration of the interconnected Kissimmee, Lake Okeechobee, Caloosahatchee, and St. Lucie watersheds; the interagency initiative is known as the Northern Everglades and Estuary Protection Program (NEEPP).

**WHEREAS**, the NEEPP requires the Coordinating Agencies [South Florida water Management District (District), Florida Department of Environmental Protection (DEP), and Florida Department of Agriculture and Consumer Services (FDACS)], to develop and implement Watershed Protection Plans for the Lake Okeechobee, St. Lucie, and Caloosahatchee watersheds.

**WHEREAS**, the purpose of the Watershed Protection Plans is to identify and implement programs and projects necessary to achieve water quality and quantity objectives based on Total Maximum Daily Loads established by the DEP for the watersheds.

**WHEREAS**, to supplement the ongoing implementation of the NEEPP, the District has developed and implemented several service provider initiatives whereby

private landowners manage water on private property to provide retention and/or nutrient load reduction in the northern Everglades.

**WHEREAS**, the service provider initiatives with private landowners retain, store and/or treats water in the regional system, promotes hydrologic enhancement, groundwater recharge, and habitat improvements, avoids high cost of land purchase and keeps private lands on local tax rolls.

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize staff to negotiate and enter into 10-year contracts, subject to successful negotiations, with the entities listed in the body of this Resolution for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289.

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

**Section 1.** A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and, enter into 10-year contracts, subject to successful negotiations with the entities listed in the body of this Resolution for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$107 Million for the Caloosahatchee River Watershed \$154 Million for all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.

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

**PASSED and ADOPTED** this 12th day of May, 2022.

# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Resolution No. 2022 - 05XX

**A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities in the St. Lucie River Watershed listed below for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$28 Million for the St. Lucie River Watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets; providing an effective date.**

### St. Lucie River Watershed

<b>Contract No.</b>	<b>Project Name</b>	<b>Contractor Name</b>
4600004584	Spur Land and Cattle Project	Spur Land & Cattle, LLC
4600004585	Alderman-Deloney Ranch Project	B E Alderman Ranch, LLP dba Alderman-Deloney ranch, LLP
4600004586	Ideal 1000 DWM Project	Evans Properties, Inc.
4600004587	RES-Centrum Project	HGS, LLC

**WHEREAS**, the Florida legislature passed the Lake Okeechobee Protection Act (Section 373.4595, Florida Statutes [F.S.]) in 2000 to establish the Lake Okeechobee Protection Program to restore and protect the Lake, and underscoring the State's commitment to Everglades ecosystem restoration, the Florida Legislature in 2007 expanded the Lake Okeechobee Protection Act (Section 373.4595, F.S) to include protection and restoration of the interconnected Kissimmee, Lake Okeechobee, Caloosahatchee, and St. Lucie watersheds; the interagency initiative is known as the Northern Everglades and Estuary Protection Program (NEEPP).

**WHEREAS**, the NEEPP requires the Coordinating Agencies [South Florida water Management District (District), Florida Department of Environmental Protection (DEP), and Florida Department of Agriculture and Consumer Services (FDACS)], to develop and implement Watershed Protection Plans for the Lake Okeechobee, St. Lucie, and Caloosahatchee watersheds.

**WHEREAS**, the purpose of the Watershed Protection Plans is to identify and implement programs and projects necessary to achieve water quality and quantity objectives based on Total Maximum Daily Loads established by the DEP for the watersheds.

**WHEREAS**, to supplement the ongoing implementation of the NEEPP, the District has developed and implemented several service provider initiatives whereby private landowners manage water on private property to provide retention and/or nutrient load reduction in the northern Everglades.

**WHEREAS**, the service provider initiatives with private landowners retain, store and/or treats water in the regional system, promotes hydrologic enhancement, groundwater recharge, and habitat improvements, avoids high cost of land purchase and keeps private lands on local tax rolls.

**WHEREAS**, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize staff to negotiate and enter into 10-year contracts, subject to successful negotiations, with the entities listed in the body of this Resolution for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289.

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

**Section 1.** A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and, enter into 10-year contracts, subject to successful negotiations with the entities listed in the body of this Resolution for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$28 Million for the St. Lucie River Watershed and \$154 Million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.

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

**PASSED and ADOPTED** this 12th day of May, 2022.

## MEMORANDUM

**TO:** Governing Board Members  
**FROM:** , Executive Office  
**DATE:** May 12, 2022  
**SUBJECT:** Draft presentations for Agenda items 22, 23, 24, 25, and 26.

**Agenda Item Background:**

**Core Mission and Strategic Priorities:**

**Funding Source:**

**Staff Contact and/or Presenter:**

**ATTACHMENTS:**

[22\\_Mitnik\\_Water\\_Conditions\\_Report.pdf](#)

[23\\_Glenn\\_EcoCond\\_Report.pdf](#)

[24\\_Adams\\_DEPAWSFunding.pdf](#)

[25\\_Reynolds\\_LOWRP.pdf](#)

[26\\_Reynolds\\_Jacoby\\_NEEPP\\_RFP](#)

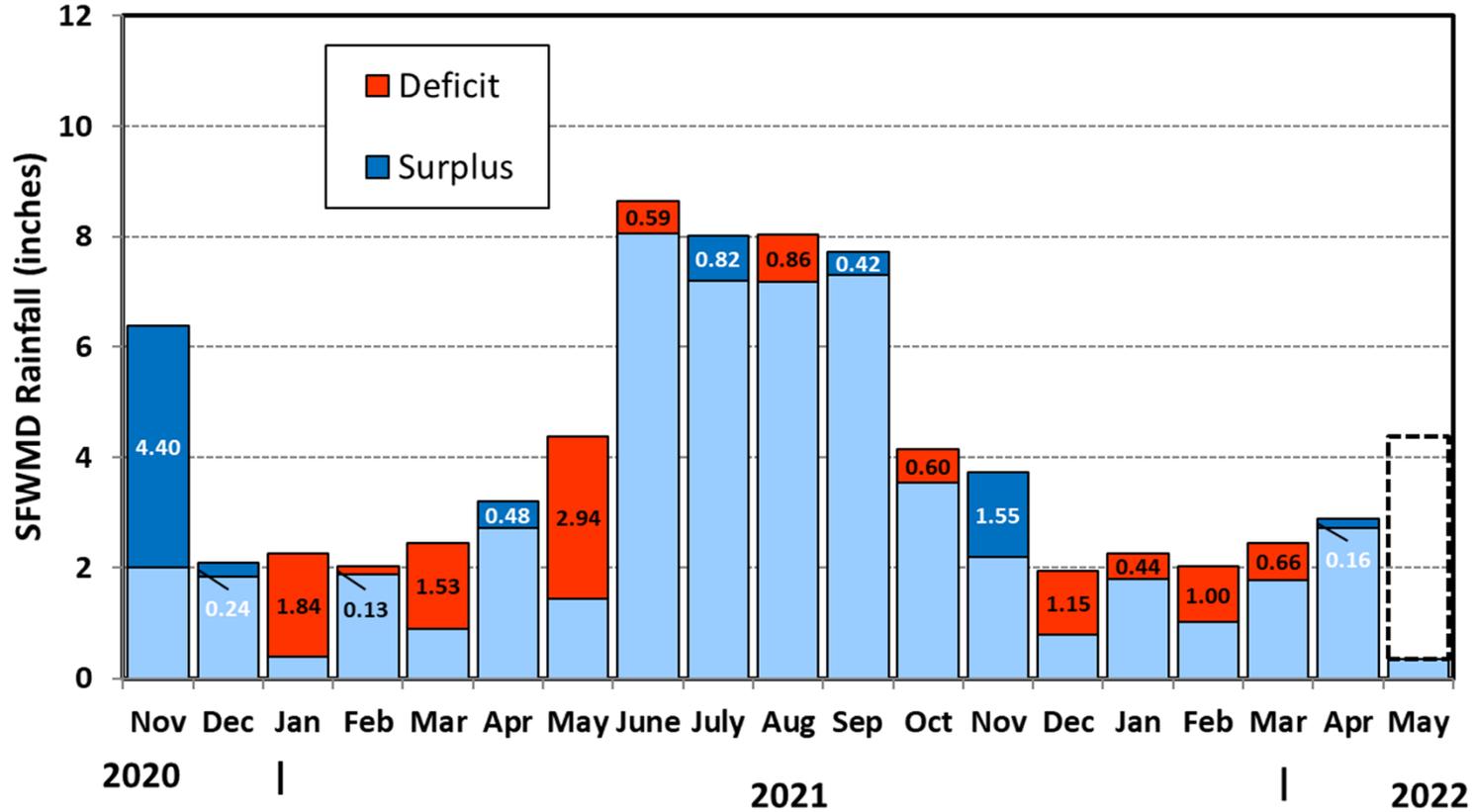
# Water Conditions Summary

**South Florida Water Management District  
Governing Board Meeting  
May 12, 2022**



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

### SFWMD Rainfall Distribution Comparison (November 2020 - May 2022)



#### 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

#### 2020-2021 DRY SEASON

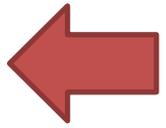
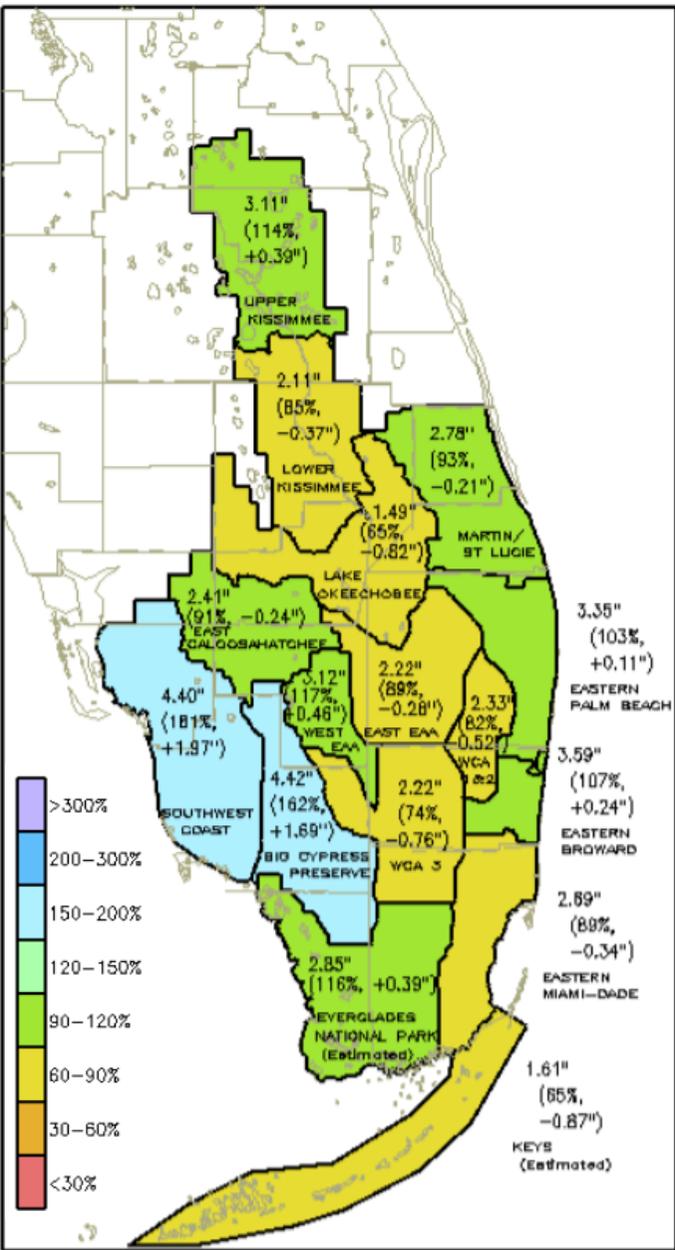
- Nov rainfall was in excess of 300% of normal.
- Jan and Mar extremely dry months.
- Dec and Apr slightly above normal.
- May 2021 is the sixth driest May in POR.

#### 2021 WET SEASON

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

#### 2021-2022 DRY SEASON

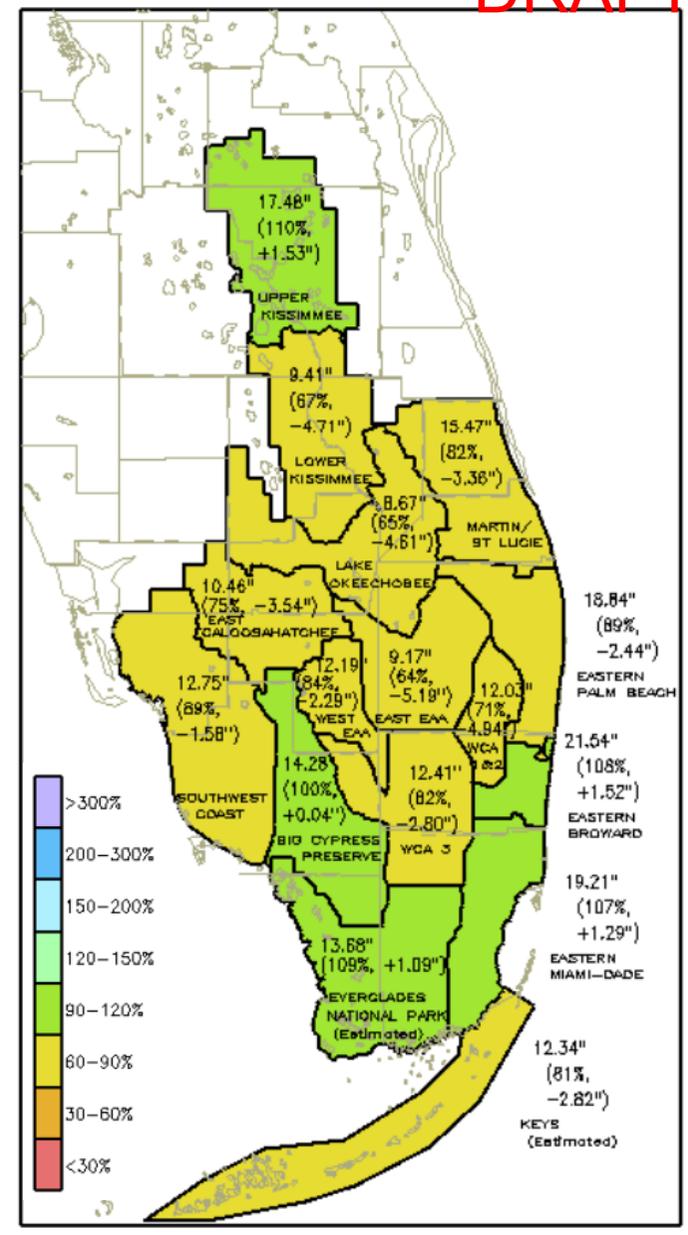
- Started 10/17/2021 and is ~ 81% of average to date.
- Dec 2021 to Mar 2022 all below average..
- April ended up slightly above average (105%).



## April 2022 Rainfall DISTRICT-WIDE: 2.87"

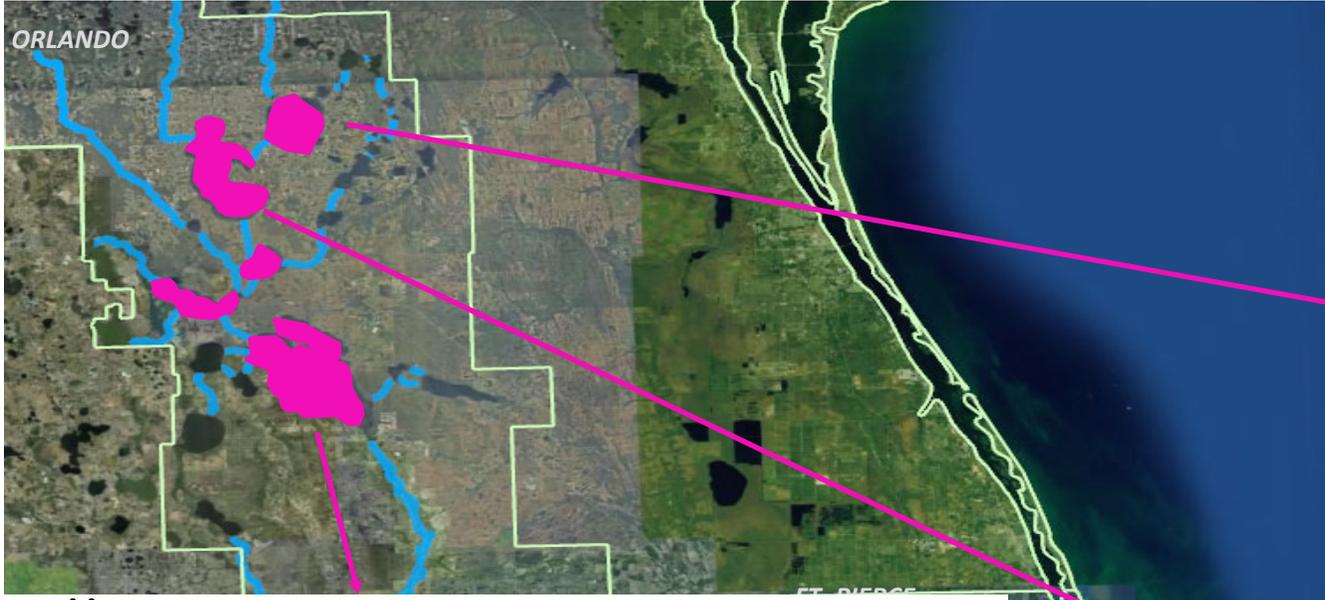
- 106% of average, 0.16" surplus.
- Southwest Coast is at 150% of normal.
- Lake Okeechobee is the lowest at 50% of normal.
- East and West Coast favored by higher rainfall.

## Dry Season Rainfall 18 October 2021 - Present DISTRICT-WIDE: 13.23"



- Dry season started October 18<sup>th</sup>
- 85% of average, 2.36" deficit.
- Some variability, 64% to 110% of normal.
- Largest surplus is at Upper Kissimmee, +1.53".
- Largest deficit is East EAA, with -5.19".

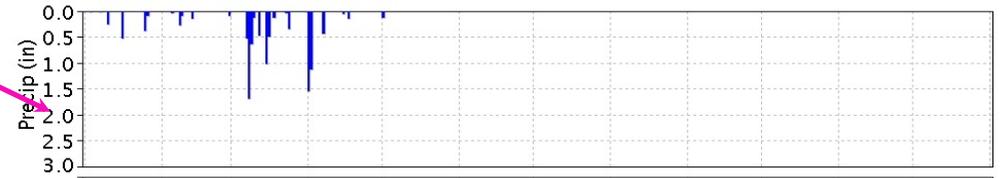
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East Lake Tohopekaliga (May 2, 2022)

55.70 feet NGVD

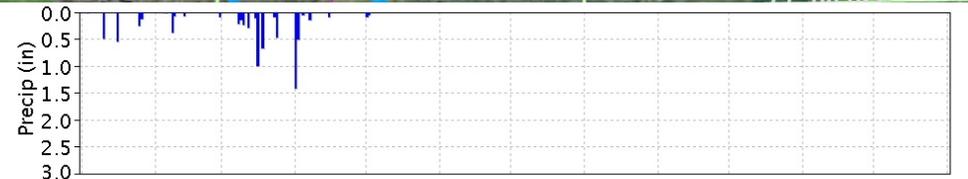
— NEXRAD — REG SCHED 56.17 — TOHOEE+ 55.70 — S59-H 55.63



Lake Tohopekaliga (May 2, 2022)

52.52 feet NGVD

— NEXRAD — REG.SCHED 53.17 — LTOHO AVG 52.52 — S61-H 52.52



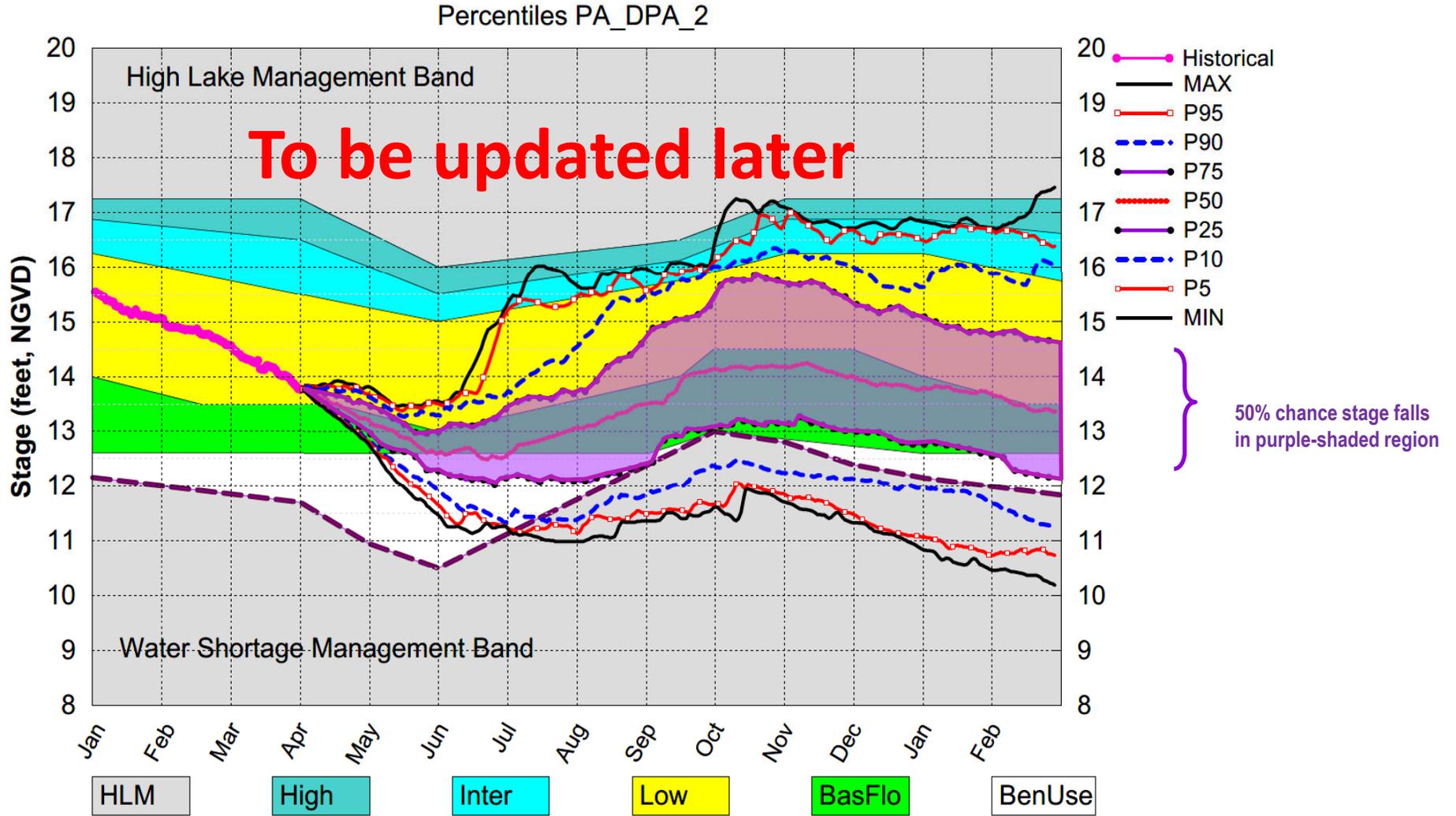
Lake Kissimmee (May 2, 2022)

49.84 feet NGVD

— NEXRAD — REG SCHED 49.98 — LKISS AVG 49.84 — S65-H 49.75



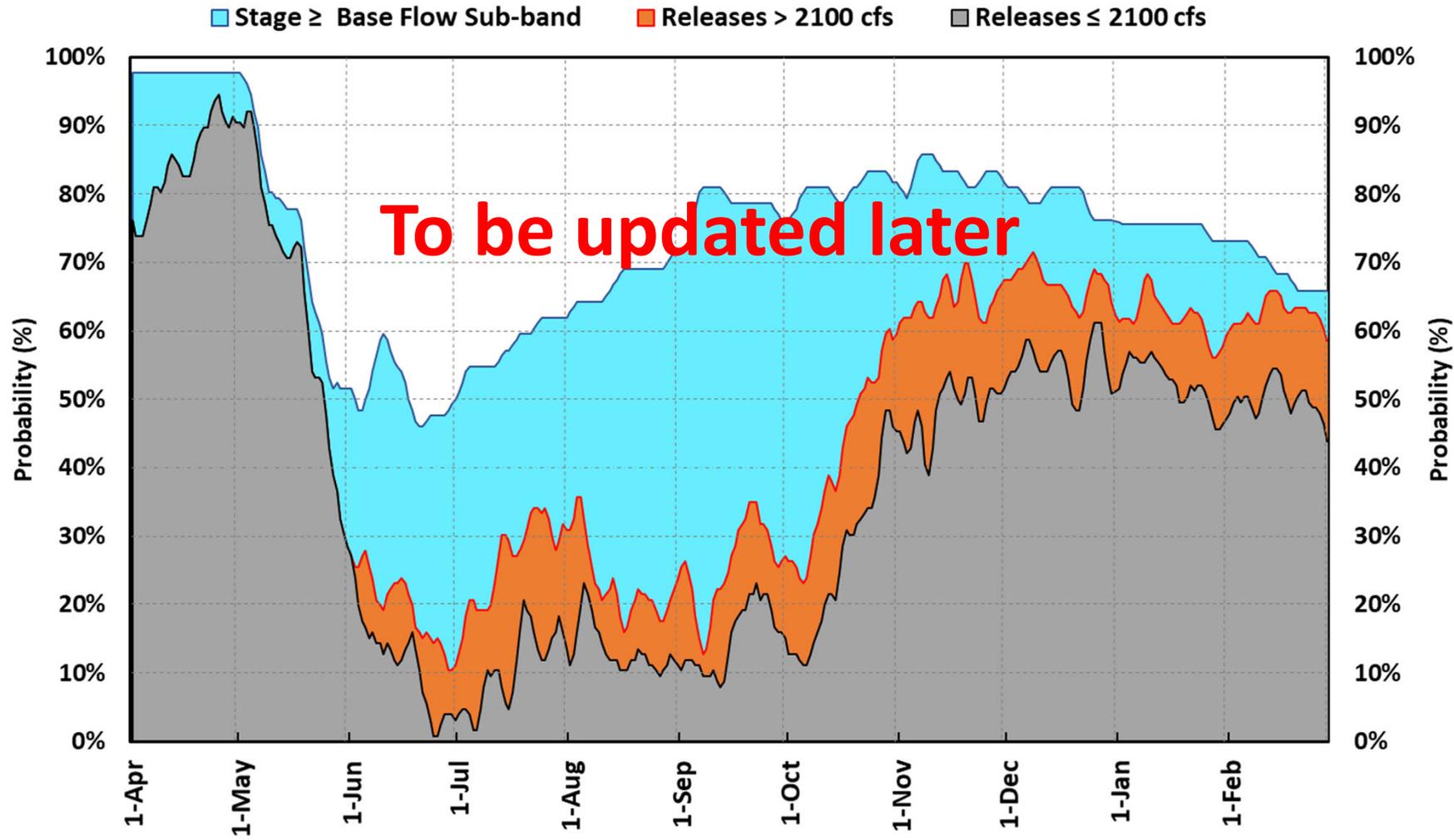
# Lake Okeechobee SFWMM April 2022 Position Analysis



(See assumptions on the Position Analysis Results website)

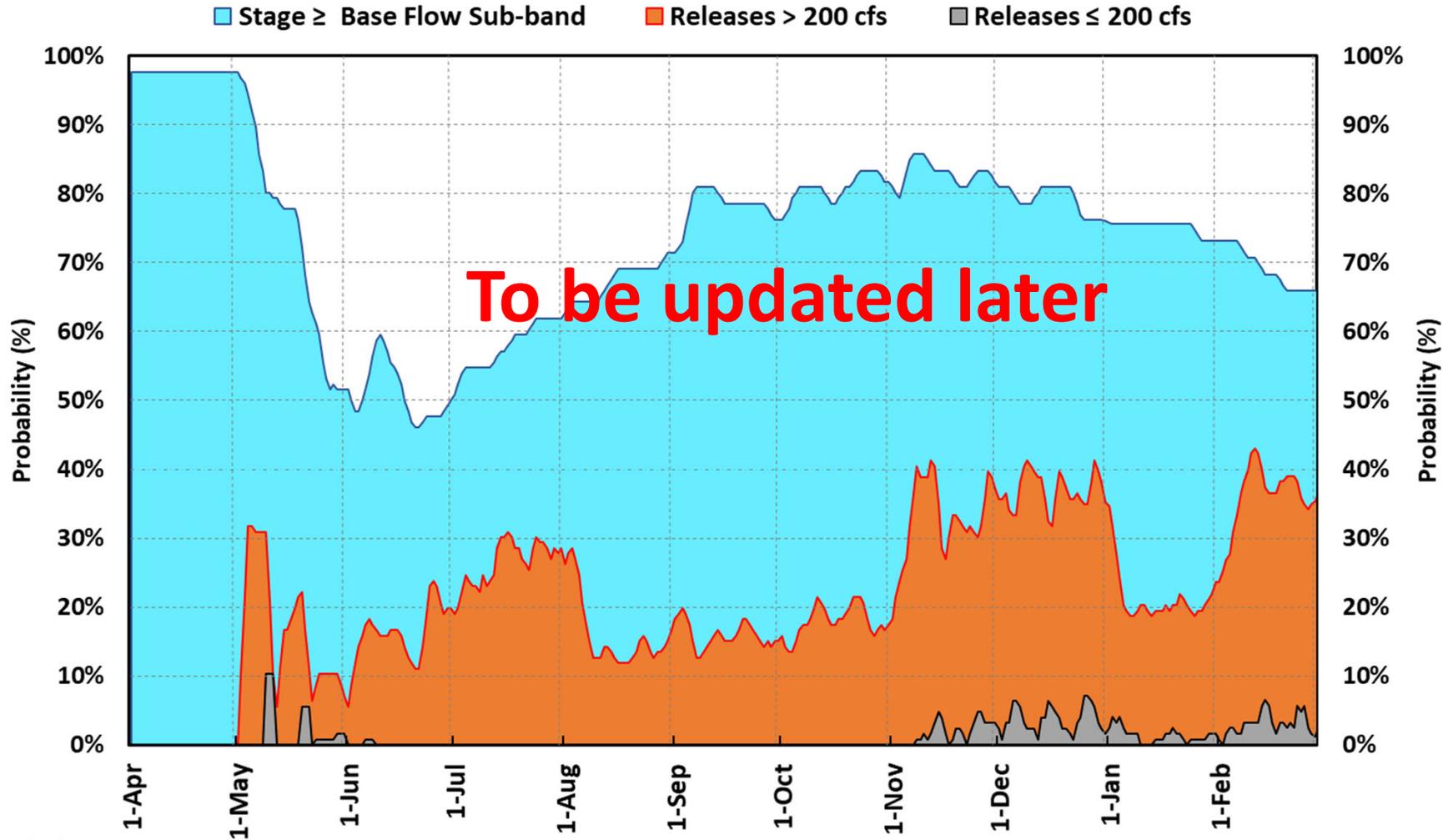
Sat Apr 9 15:42:07 2022

April 2022 PA - Likelihood of Releases to the Caloosahatchee Estuary



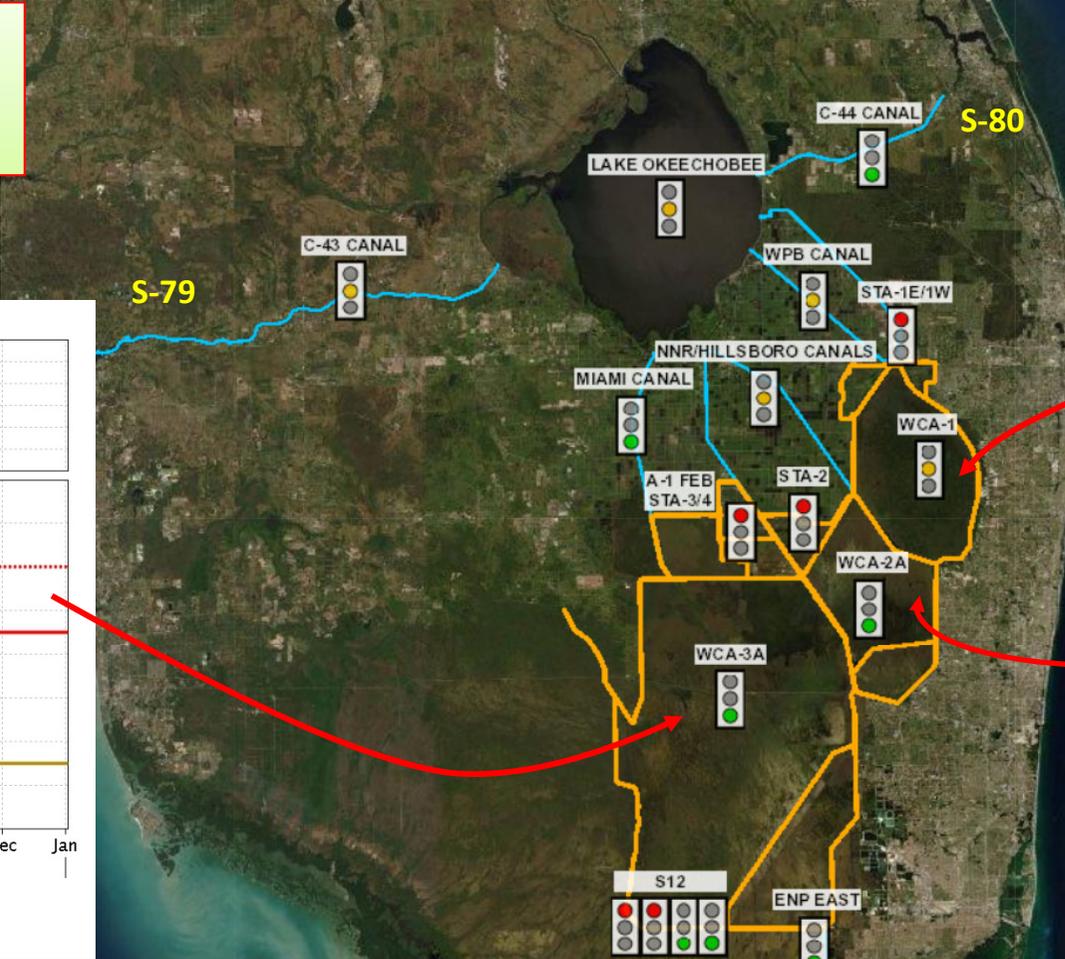
Tue 04/12/2022 12:47

### April 2022 PA - Likelihood of Releases to the St. Lucie Estuary



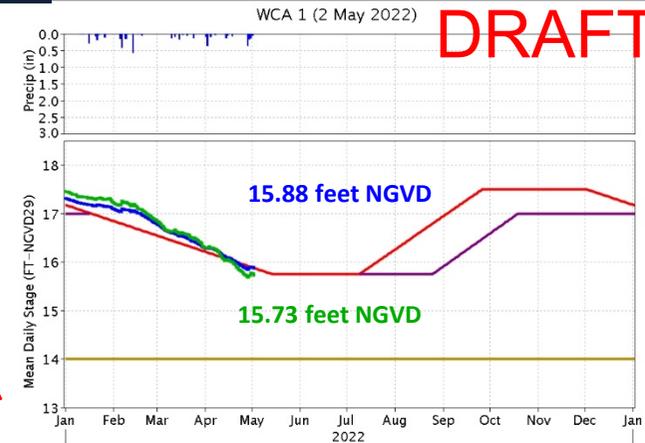
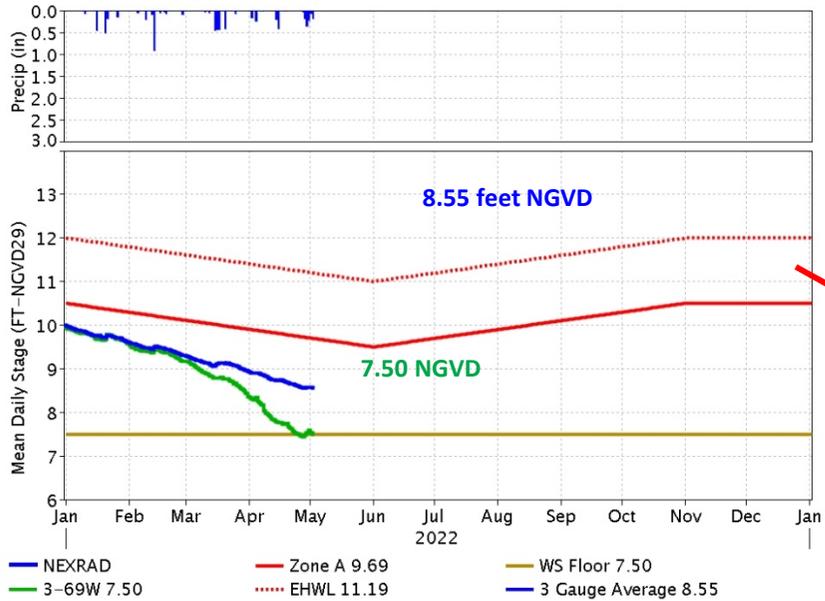
Tue 04/12/2022 12:47

Lake Okeechobee stage is in the Base Flow Sub-band of the LORS-2008 Regulation schedule. LORS release guidance suggests no releases to the WCAs. For Estuaries, up to 450 cfs at S-79 and up to 200 cfs at S-80.



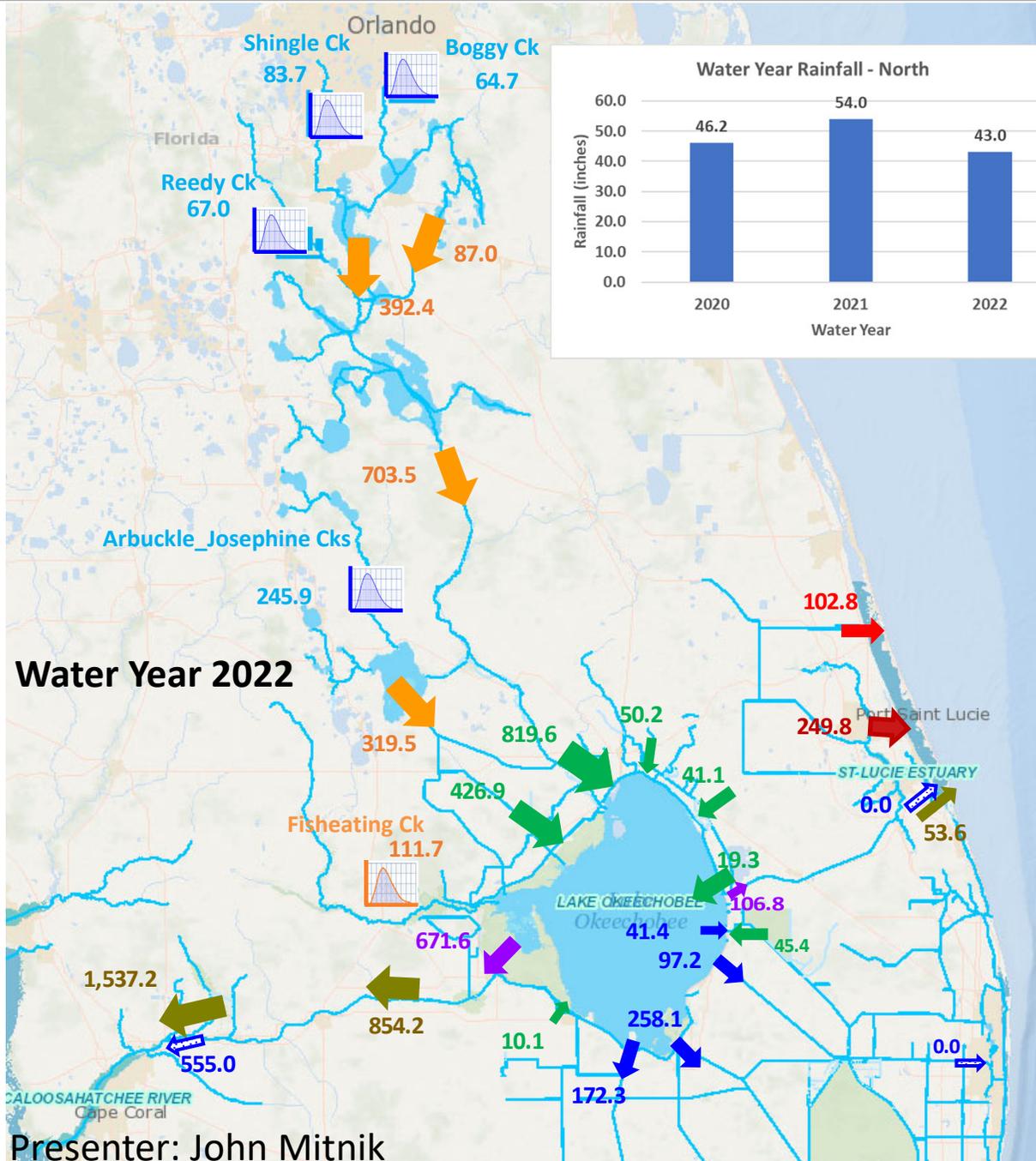
DRAFT

WCA 3A (2 May 2022)



For this week, the Tamiami Trail Flow Formula calls for 340 cfs releases from WCA-3A which is being delivered via S-333+S-333N+S-12D. Current L-29 stage constraint is at 8.3 feet NGVD. S-356 is pumping if necessary to maintain canal stages in the L-31N within 5.5-5.8 ft NGVD. Currently S-332B is secured (in need of repairs), S-332C is pumping as needed and S-332D is secured to facilitate D/S field work. S-199 and S-200 are available to pump. S-18C is closed and S-197 remains closed. LPG-2 stage at 8.5 SMA is below ground. S-331 has been syphoning and S-357 pumping to maintain stages. Agricultural drawdown in south Miami-Dade was completed.

WCA-1 is below Zone A1 of the regulation schedule; WCA-2A is below Zone A of the regulation schedule; WCA-3A stage is in Zone B of its regulation schedule. S-12A, S-12B and S-12C are closed. S-12D is passing little flow. S-152 (Decomp structure) is fully closed. Water levels in WCA-2A and WCA-3A are very close to their respective floor elevations.



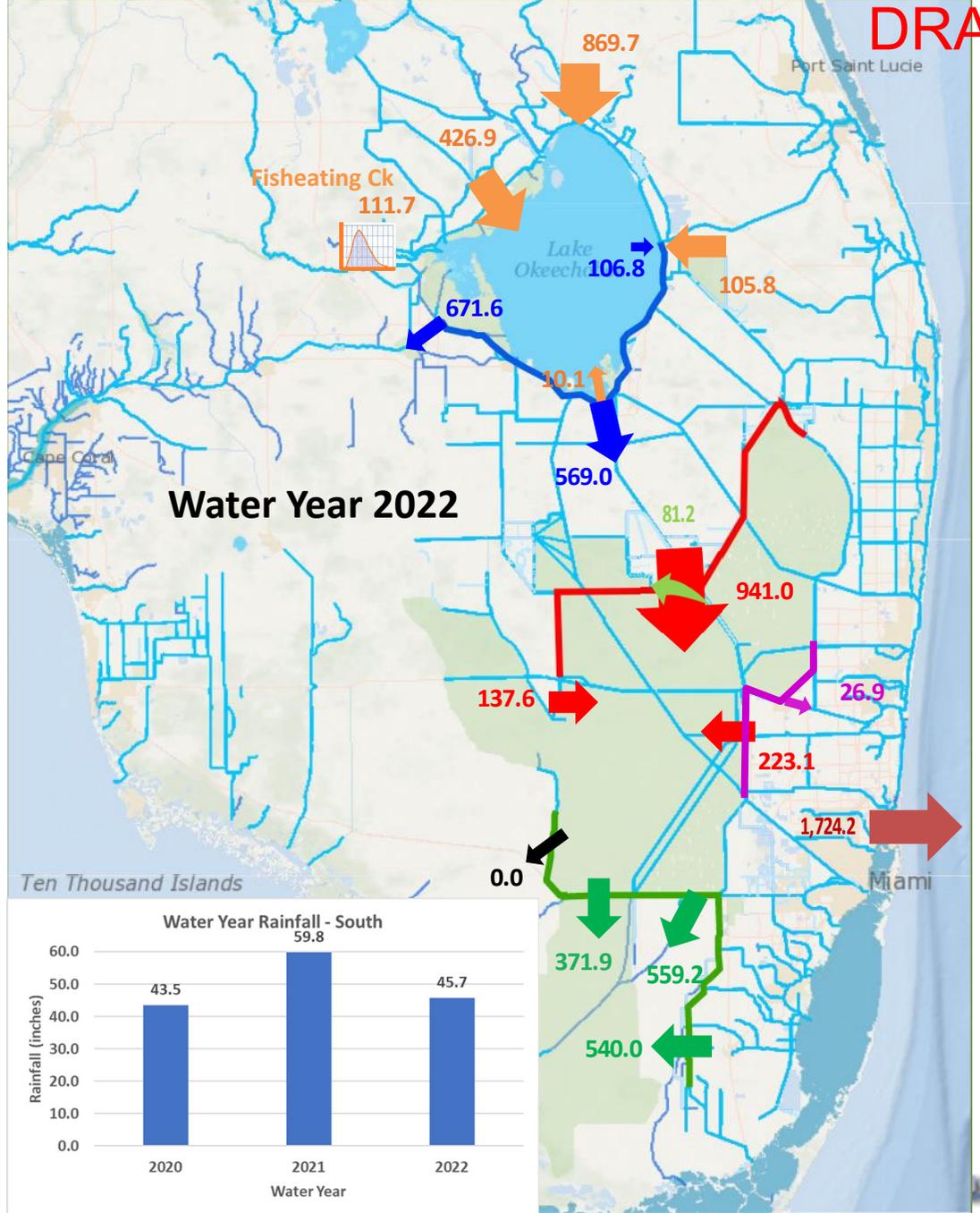
**SFWMD – Selected Release Volumes for Water Years 2020, 2021 and 2022**  
 (volumes in 1,000 acre-feet)  
 (Water Year is May 1 through April 30)

Symbol	Description	Volume (1,000 acre-feet)		
		WYR 2020	WYR 2021	WYR 2022
	Upper Kissimmee to Lower Kissimmee	717.6	1,055.4	703.5
	Inflows to Lake Okeechobee (including Fisheating Creek)	1,347.2	2,675.9	1,524.3
	Lake Releases and Basin Runoff	930.8	2,135.2	1,590.8
	Lake Releases East and West	295.0	1,067.7	778.4
	Lake Flood Control to Estuaries	170.3	949.7	555.0
	Total Lake Releases South	682.2	474.6	569.0
	Releases to Indian River Lagoon	54.1	173.9	102.8
	Upper East Coast discharges to St. Lucie Estuary	203.9	461.3	249.8
	Uncontrolled flows - Creeks (does not include Fisheating Creek)	356.9	606.1	461.3

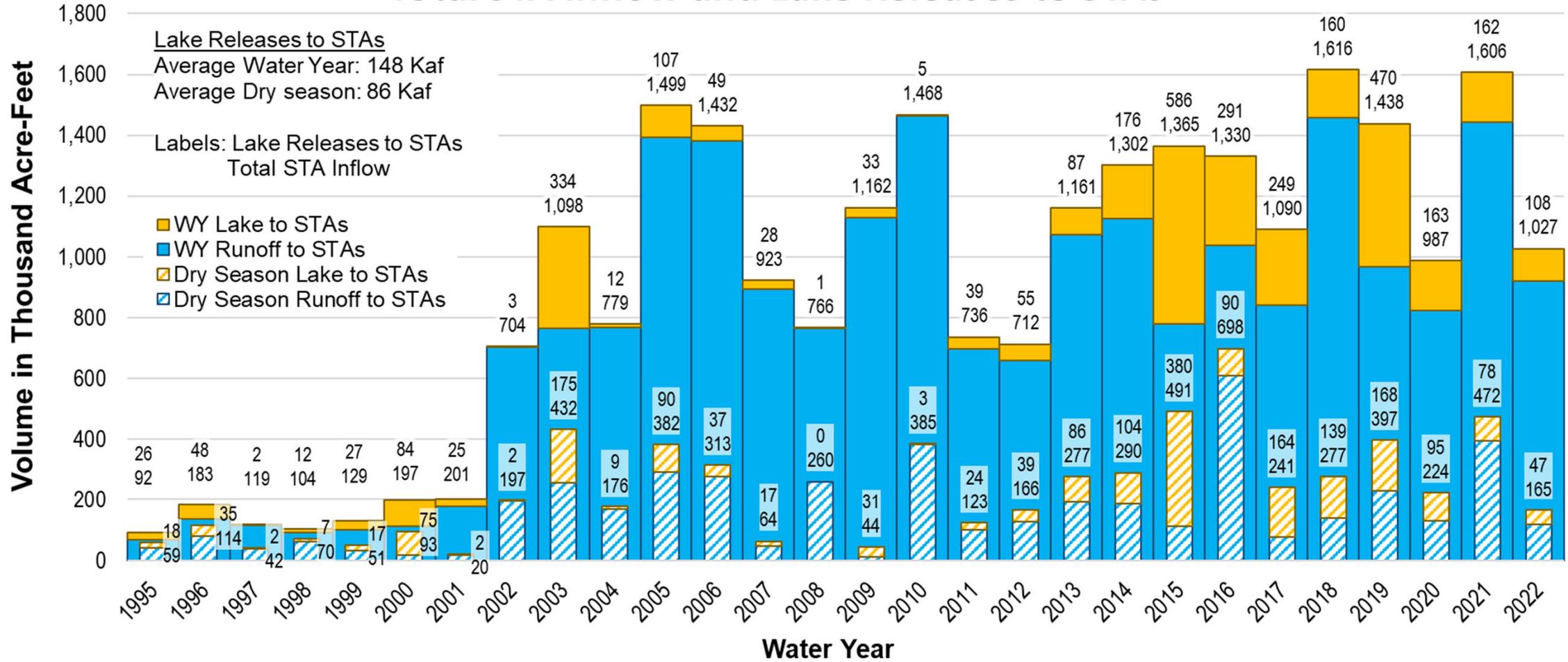
1,000 acre-feet = 325.9 Million Gallons

**SFWMD –Volumes Flowing  
Down the System  
for Water Years 2020, 2021 and 2022**  
(volumes in 1,000 acre-feet)  
(Water Year is May 1 through April 30)

Symbol	Description	Volume (1,000 acre-feet)		
		WYR 2020	WYR 2021	WYR 2022
	Lake Okeechobee Inflows	1,347.2	2,657.9	1,524.3
	Lake Okeechobee Outflows	977.2	1,542.3	1,347.4
	WCAs Inflows	1,200.1	2,257.6	1,301.7
	ENP / Detention Cell Inflows	880.1	2,703.1	1,471.1
	WCAs to East	58.2	268.4	26.9
	Flows to Intracoastal	1,923.2	3,803.2	1,724.2



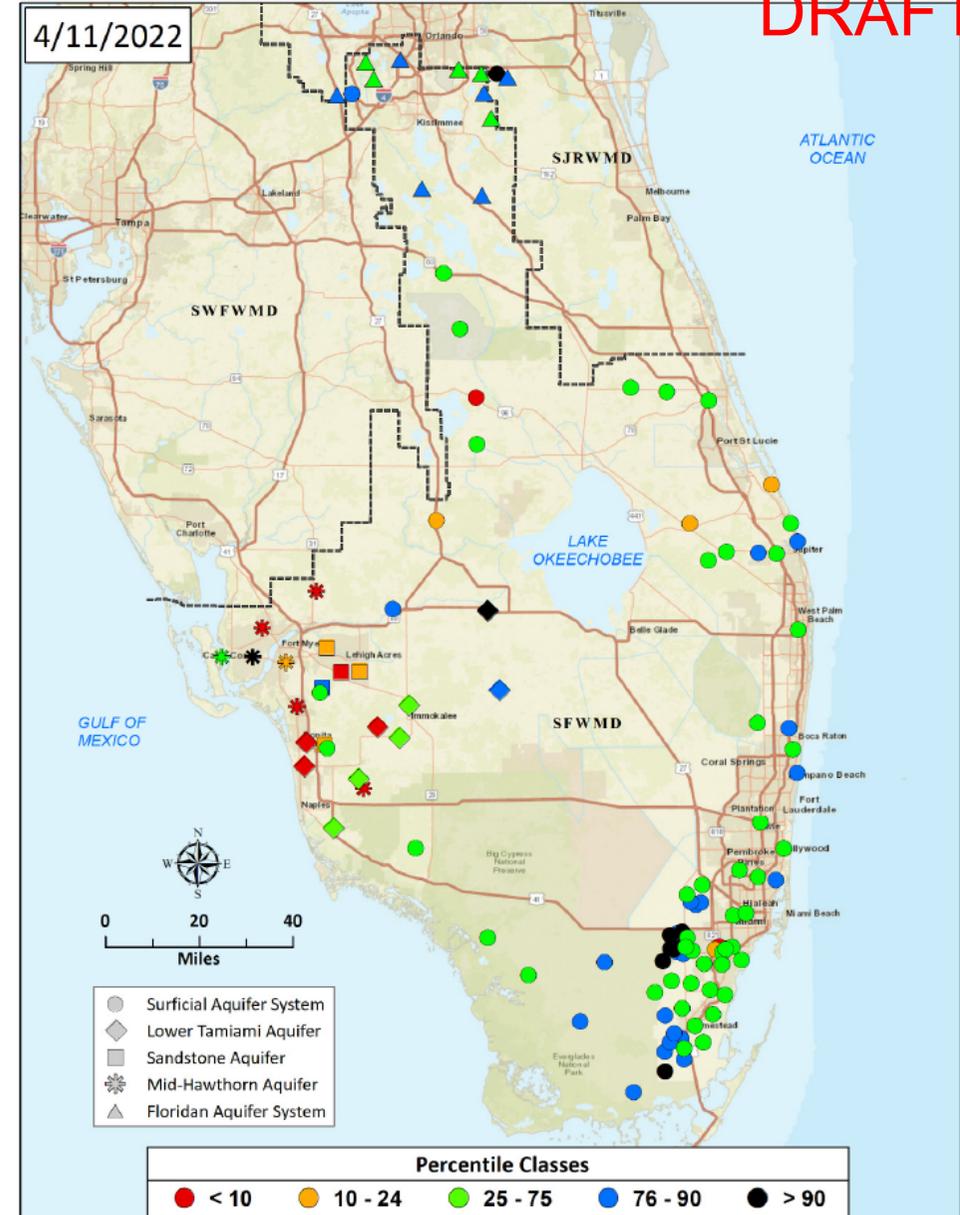
### Total STA Inflow and Lake Releases to STAs



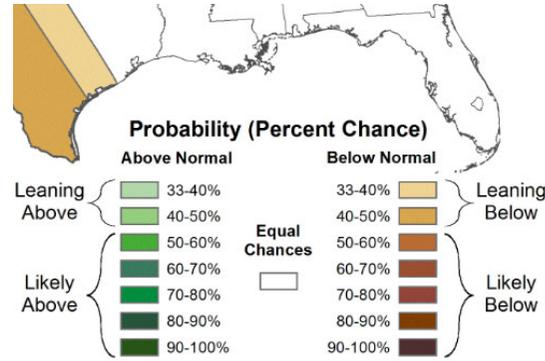
DRAFT

# Status of Groundwater Conditions

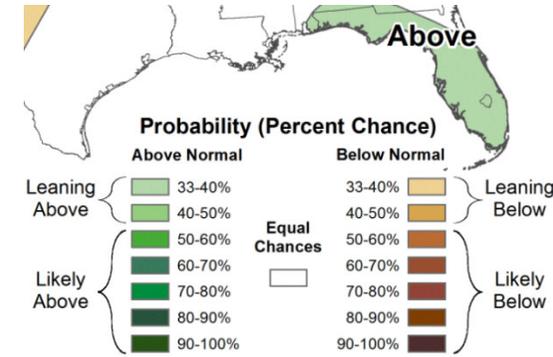
- Surface and groundwater levels showed mixed trends throughout the District over the last week.
- About 90% of the wells in the Kissimmee Basin within the District boundaries are at median levels or higher for this time of the year.
- About 80% of surface and groundwater wells exhibit decreased levels across stations in the Lower East Coast during the past 7 days and all are at median levels and higher..
- Groundwater levels are on the low side in the C-111 Basin, Homestead and Everglades National Park.
- Groundwater levels decreased in most of the stations on the Lower West Coast over the last seven days. Groundwater levels are in the lower percentiles in about 80% of the Sandstone and 70% of the Mid Hawthorn aquifer monitoring wells.
- Real-time groundwater levels:
  - Each dot represents a monitor well, continuously monitoring water levels.
  - Color coding corresponds to statistical comparison of current water levels compared to historical for this time of year.



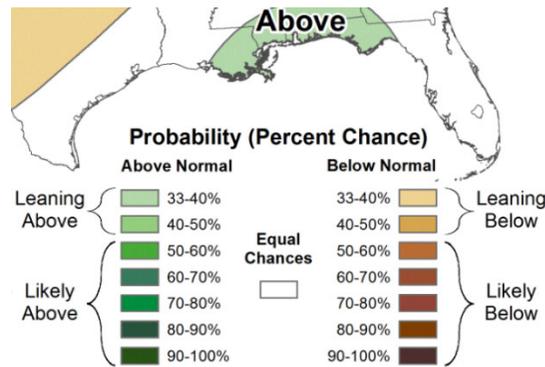
# CPC Precipitation Outlook for South Florida



May 2022



May 2022 – Jul 2022



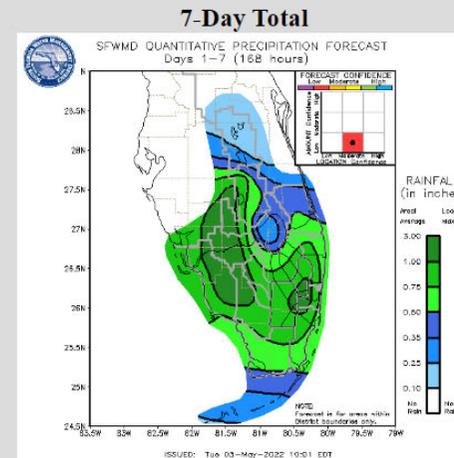
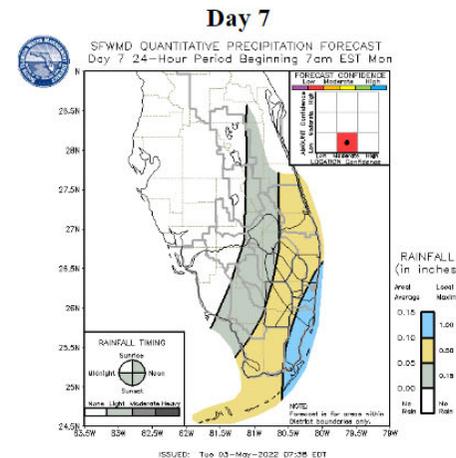
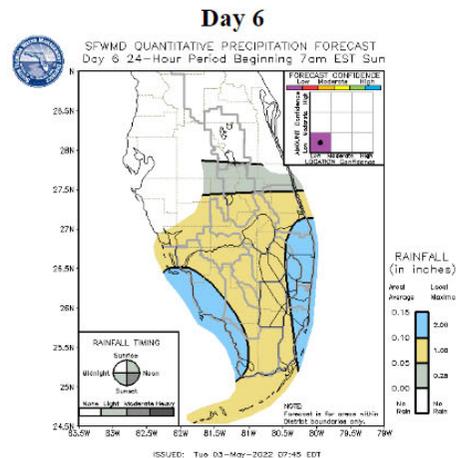
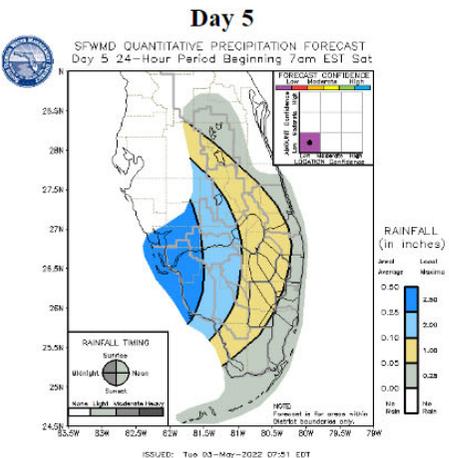
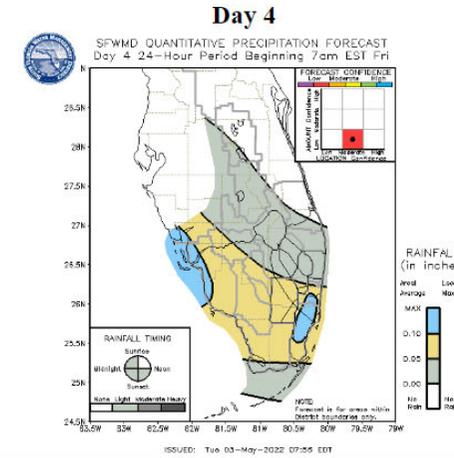
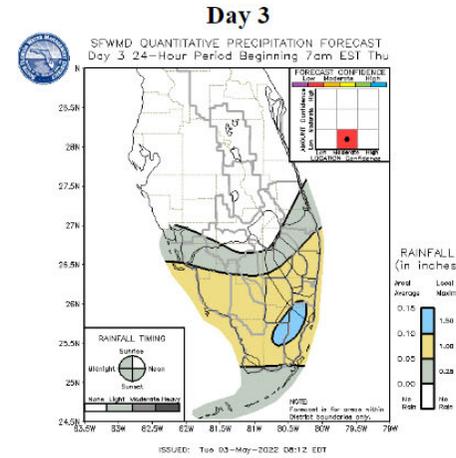
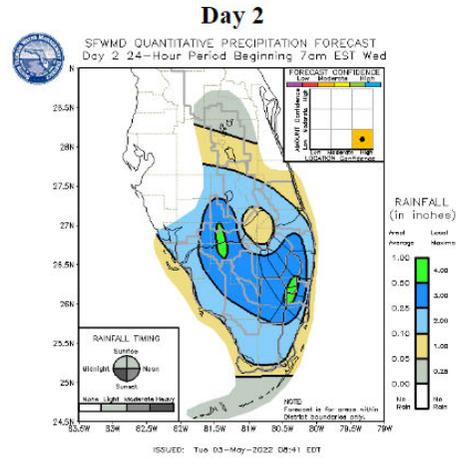
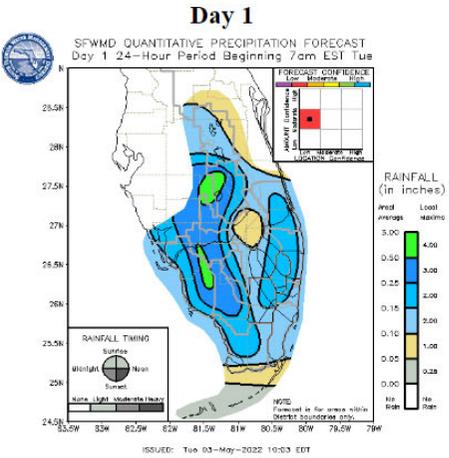
Jun 2022 – Aug 2022

- The most recent CPC precipitation outlooks for South Florida for May 2022 is for equal chances of below, normal and above-normal rainfall.
- The outlook for the 3-month windows of May-Jul is for slightly increased chances of above normal rainfall.
- The outlooks for the 3-month windows from Jun-Aug to the beginning of the 2022-2023 dry season are for equal chances of below, normal and above normal rainfall.

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

Last update issued: April 30, 2022

# Daily Quantitative Precipitation Forecasts (Posted 05/03/2022)



DRAFT

# Ecological Conditions Update

Governing Board Meeting

May 12, 2022

DRAFT

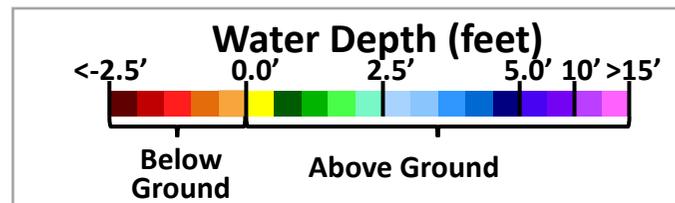
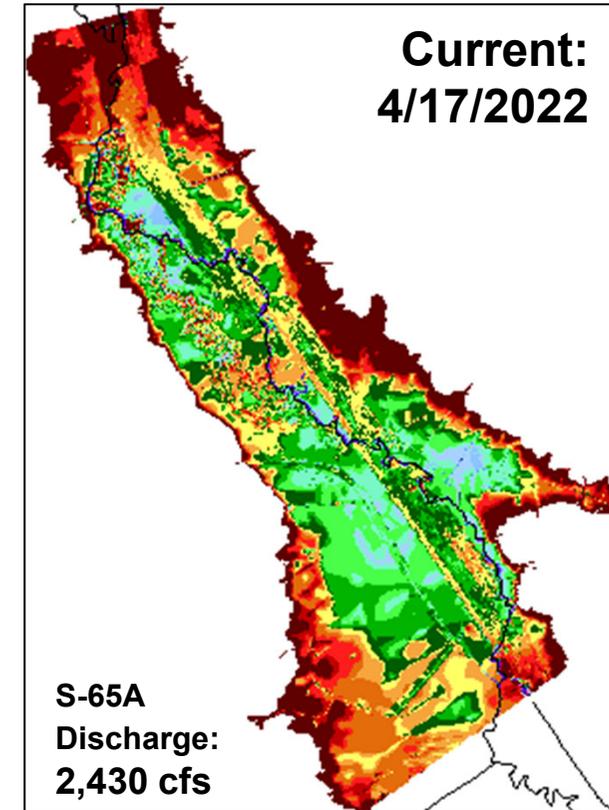
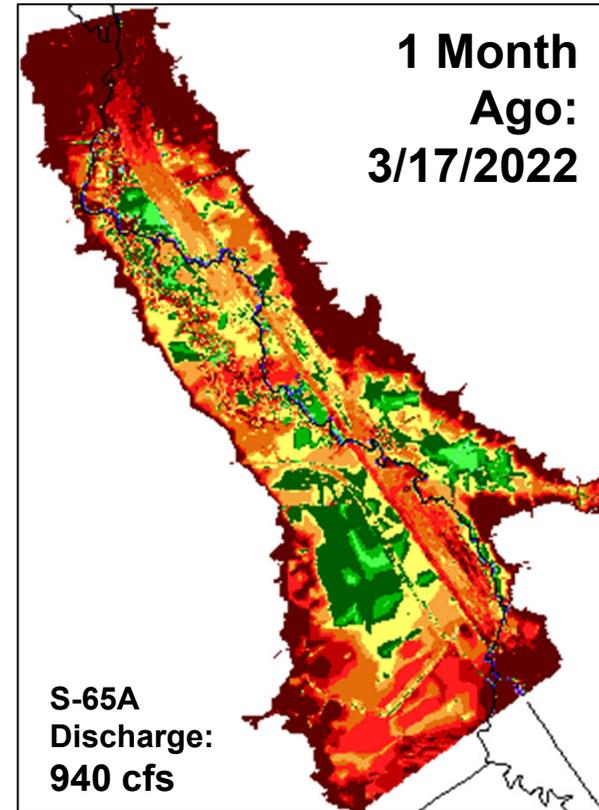
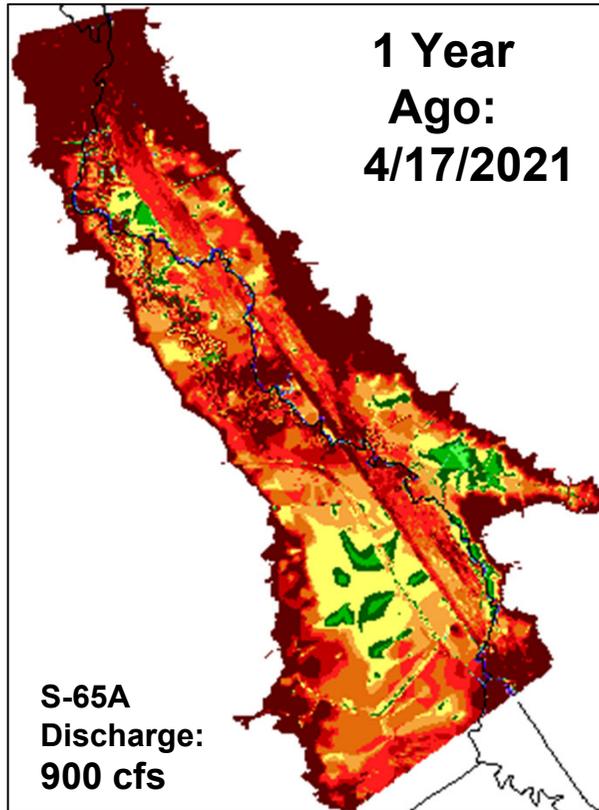


Lawrence Glenn  
Division Director  
Water Resources

# Kissimmee River (Phase I) Floodplain Water Depth Maps

DRAFT

To Be Updated



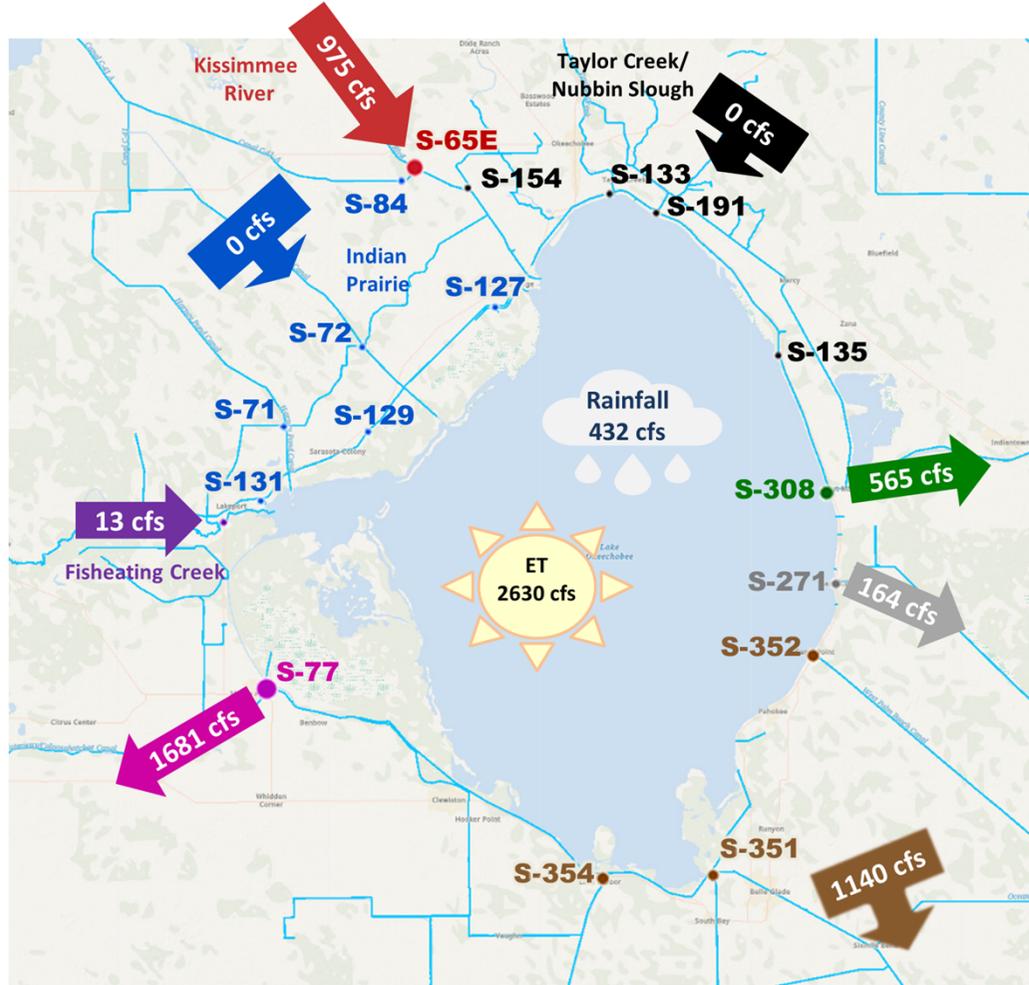
# Lake Okeechobee Hydrology

(\*Provisional Data)

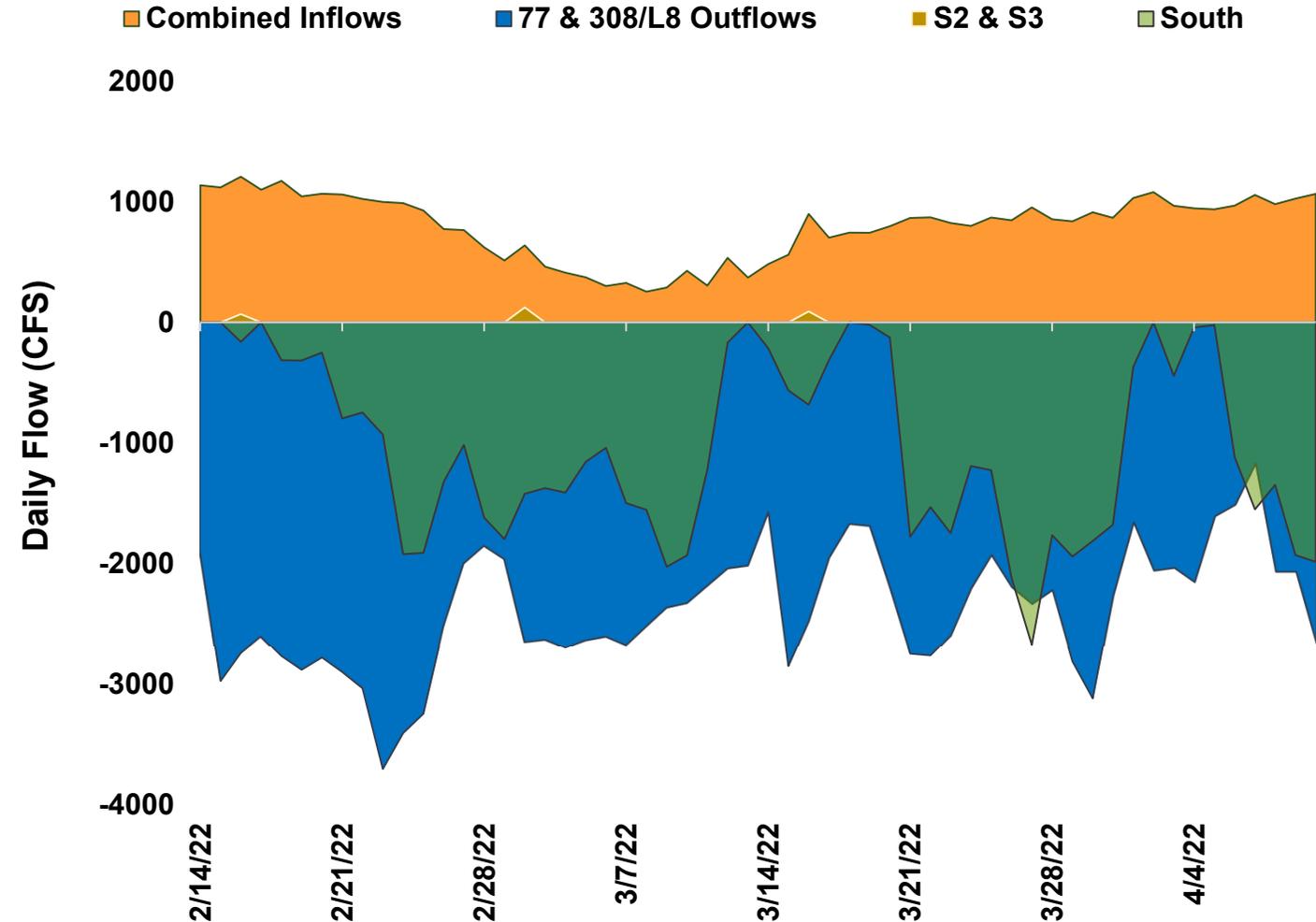
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To Be Updated

Apr. 4 – 10 Inflows and Outflows



Prior 8 Weeks Inflows and Outflows

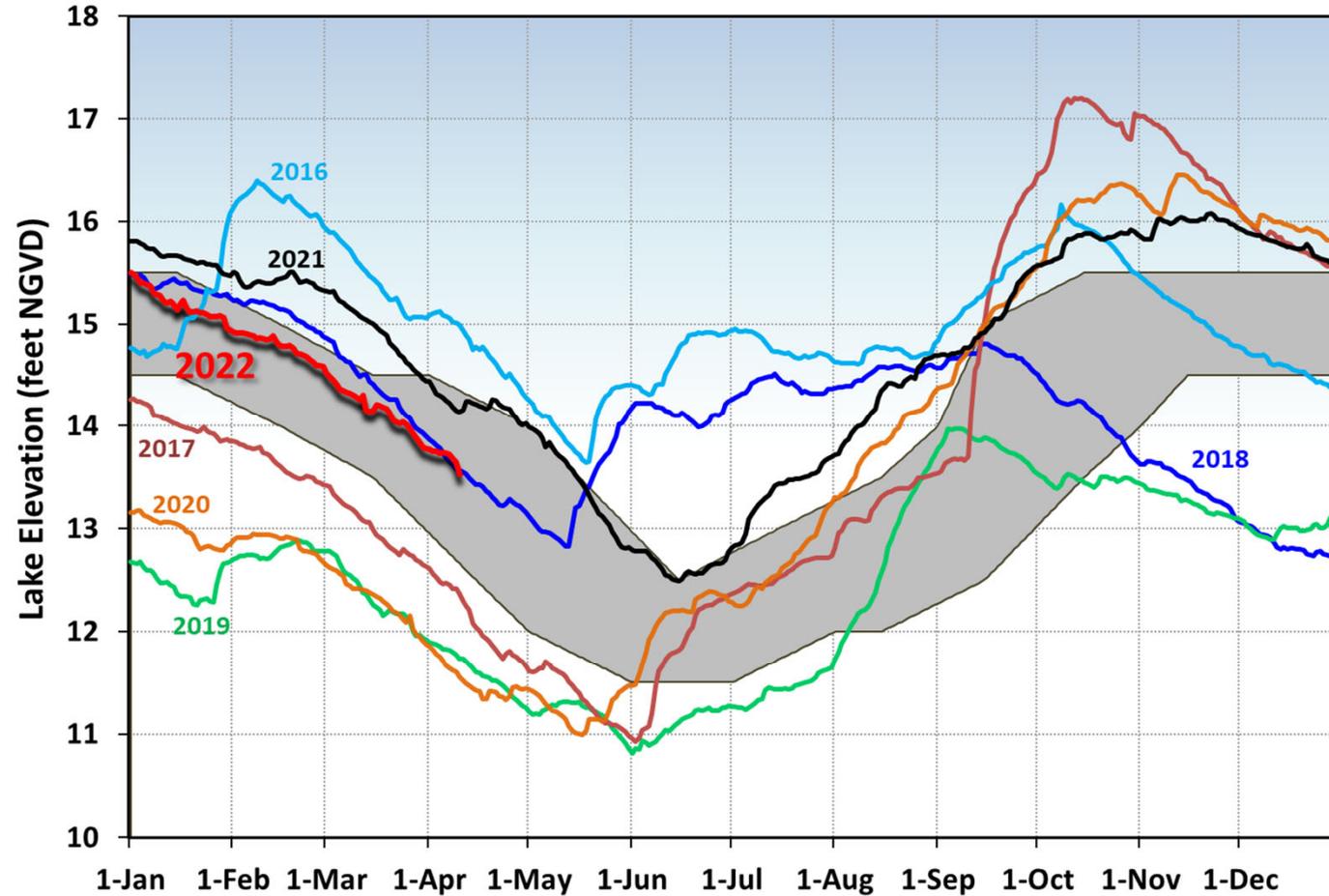


# Ecological Envelope and Water Depths

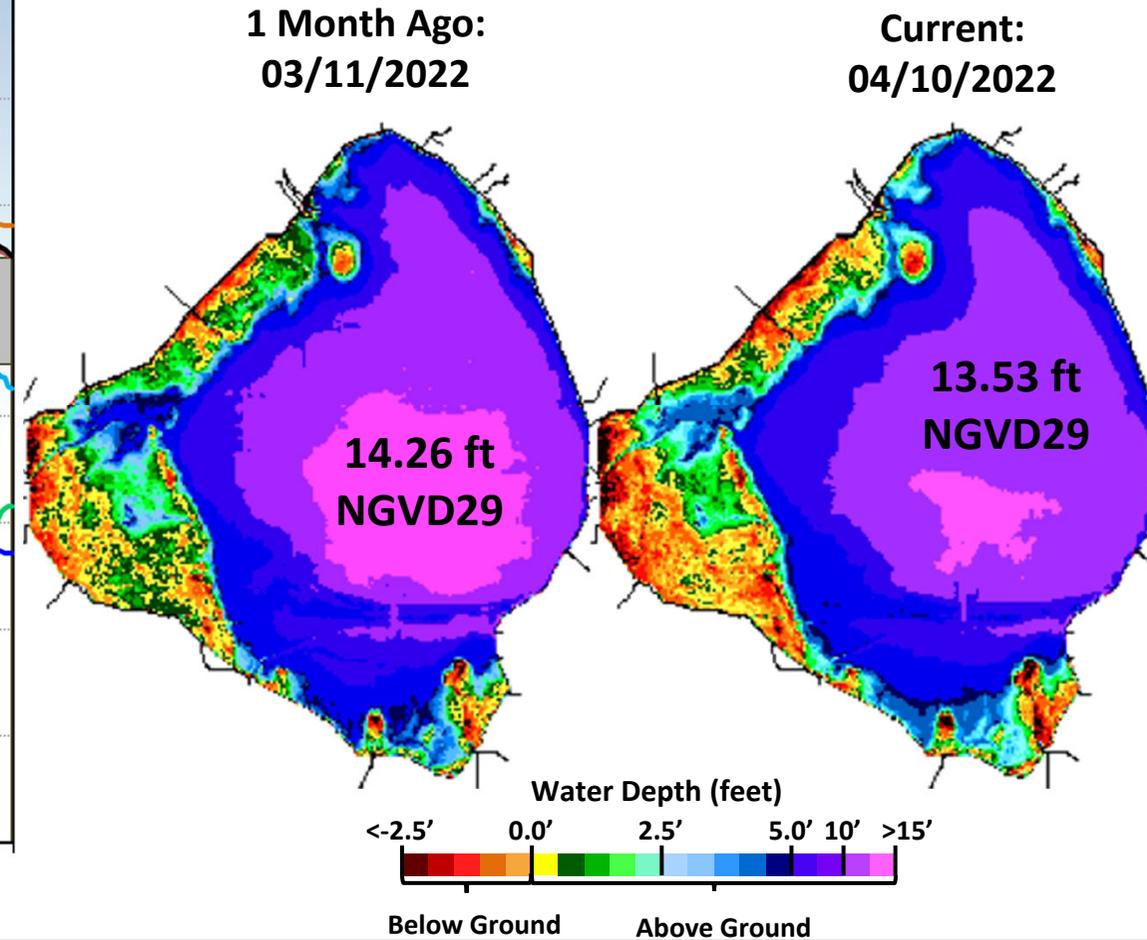
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To Be Updated

Lake Okeechobee Stage vs Ecological Envelope



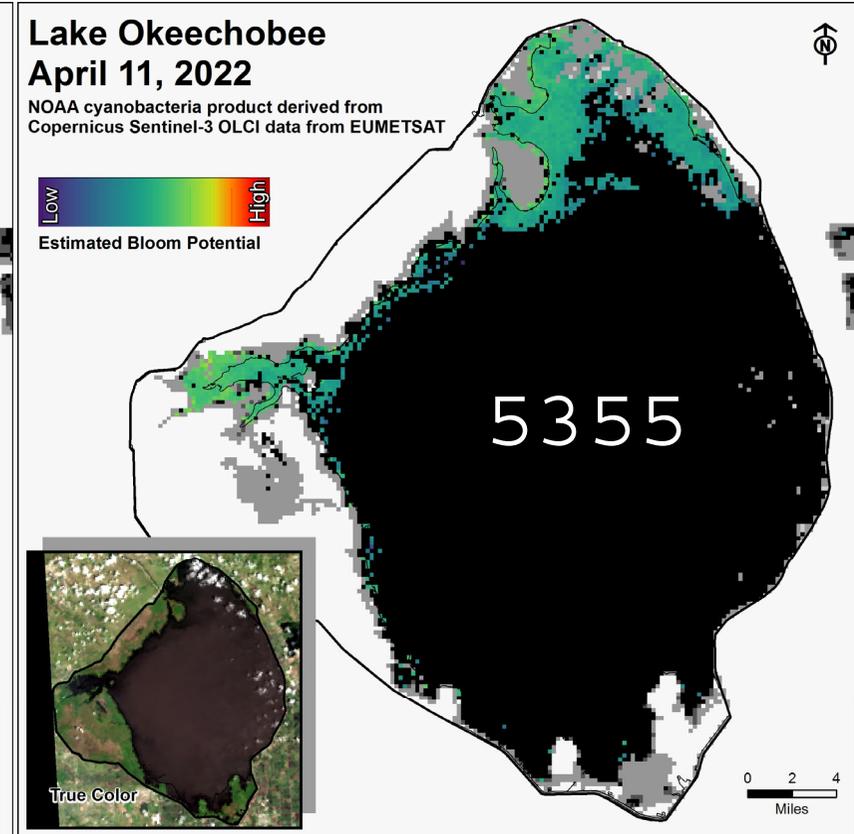
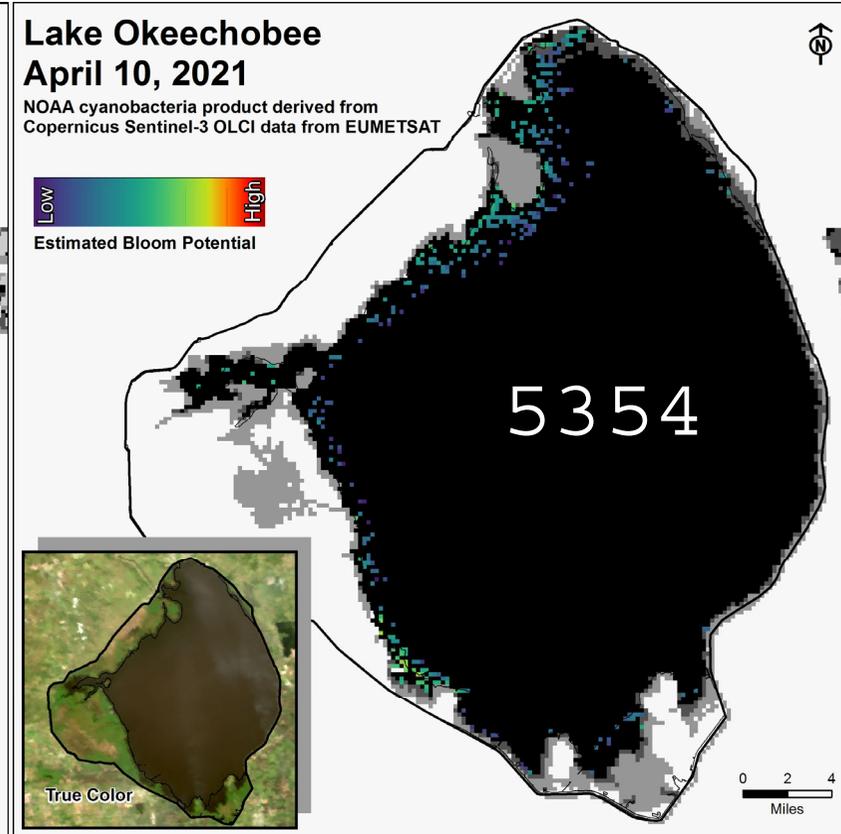
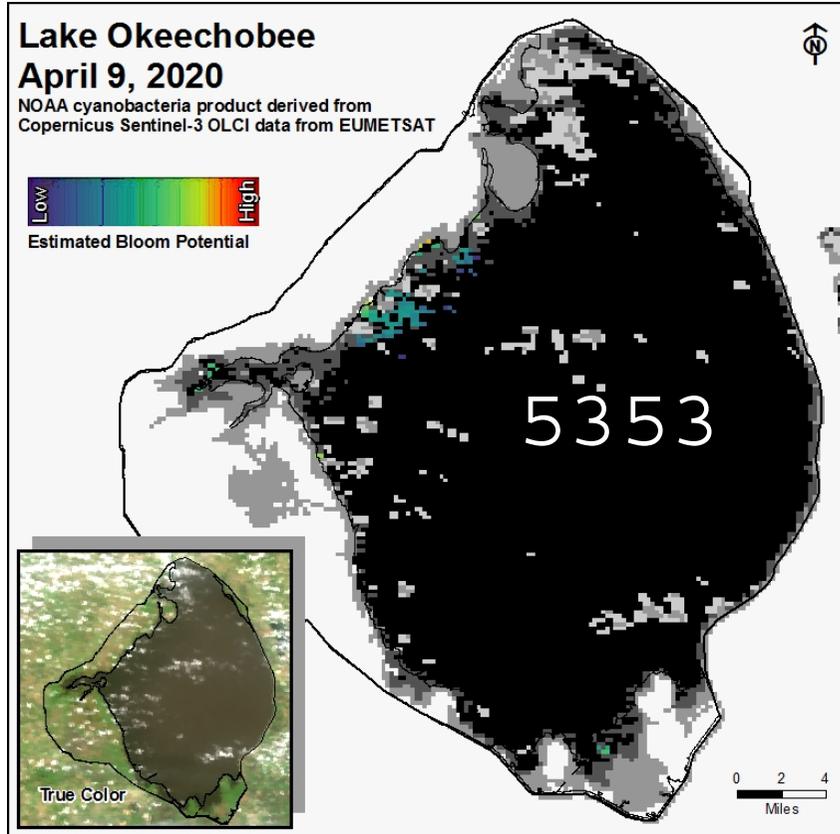
Changes in Water Depth



# Lake Okeechobee Cyanobacteria Bloom Potential

DRAFT

To Be Updated



QRDD# | dqrdfwub#surgxfw#ghulyh#urp #Frshuq|fxv#7hqwb|ho6 #R FOI#gdw#urp #IXP HWVDW

# Lake Okeechobee January Water Quality

DRAFT

\* Provisional Data \*

To Be Updated

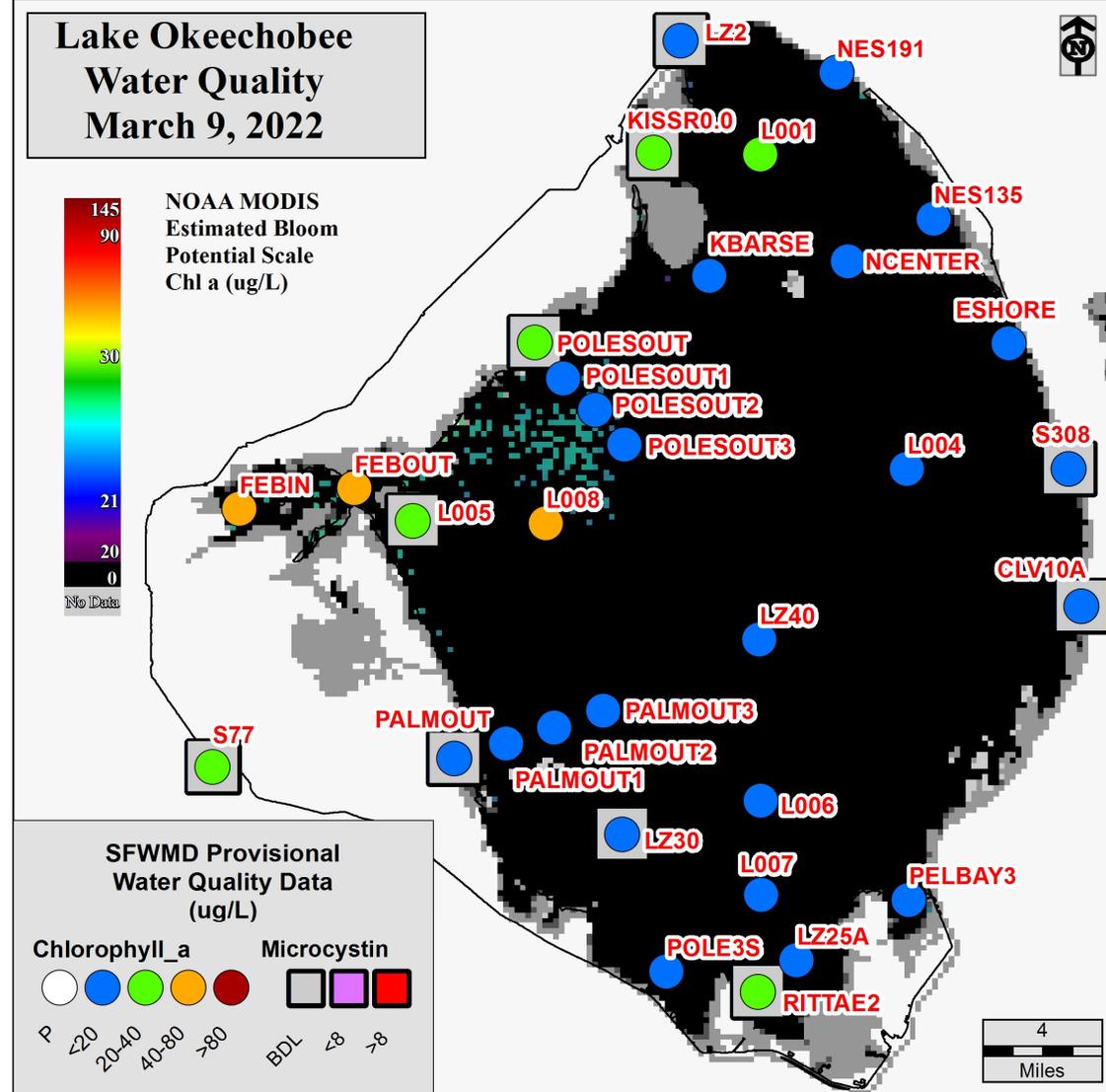
Collection Date: Mar 7-9, 2022

Station	CHL <sub>a</sub> (ug/L)	TOXIN (ug/L)	TAXA
FEBIN	<b>74.6</b>		
FEBOUT	<b>40.8</b>		
KISSR0.0	<b>26.4</b>	BDL	<i>mixed</i>
L005	<b>32.8</b>	BDL	<i>mixed</i>
LZ2	13.3	BDL	<i>mixed</i>
KBARSE	6.9		
RITTAE2	<b>22.0</b>	BDL	<i>mixed</i>
PELBAY3	3.7		
POLE3S	16.7		
LZ25A	3.6		
PALMOUT	17.9	BDL	<i>mixed</i>
PALMOUT1	4.8		
PALMOUT2	3.8		
PALMOUT3	8.2		
POLESOUT	<b>23.6</b>	BDL	<i>mixed</i>
POLESOUT1	15.9		
POLESOUT2	14.1		
POLESOUT3	11.2		
EASTSHORE	7.3		
NES135	7.3		
NES191	7.4		

Station	CHL <sub>a</sub> (ug/L)	TOXIN (ug/L)	TAXA
L001	<b>24.8</b>		
L004	7.1		
L006	6.6		
L007	4.1		
L008	<b>46.0</b>		
LZ30	5.4	BDL	<i>mixed</i>
LZ40	13.6		
CLV10A	5.1	BDL	<i>mixed</i>
NCENTER	6.1		
S308C	4.6	BDL	<i>mixed</i>
S77 (3/14/22)	<b>20.9</b>	BDL	<i>mixed</i>

- SFWMD considers >40 µg/L Chlorophyll a (Chla) 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*;  
*Pseud* = *Pseudanabaena*; *Dolicho* = *Dolichospermum*

Presenter: Lawrence Glenn

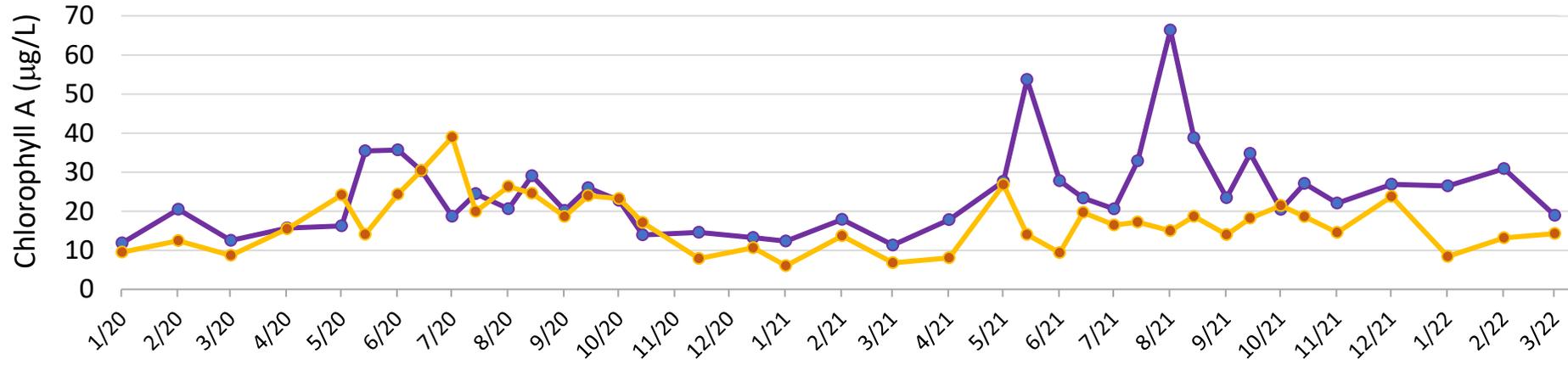
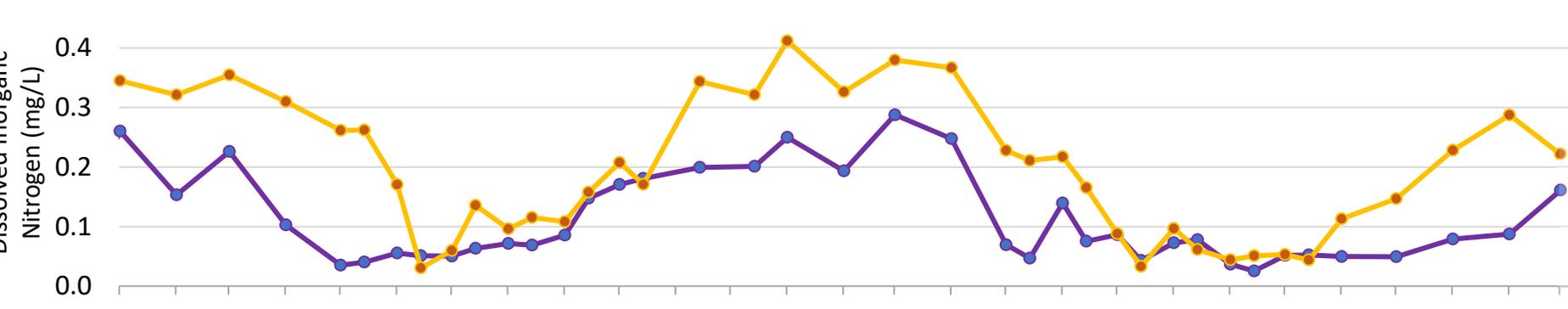
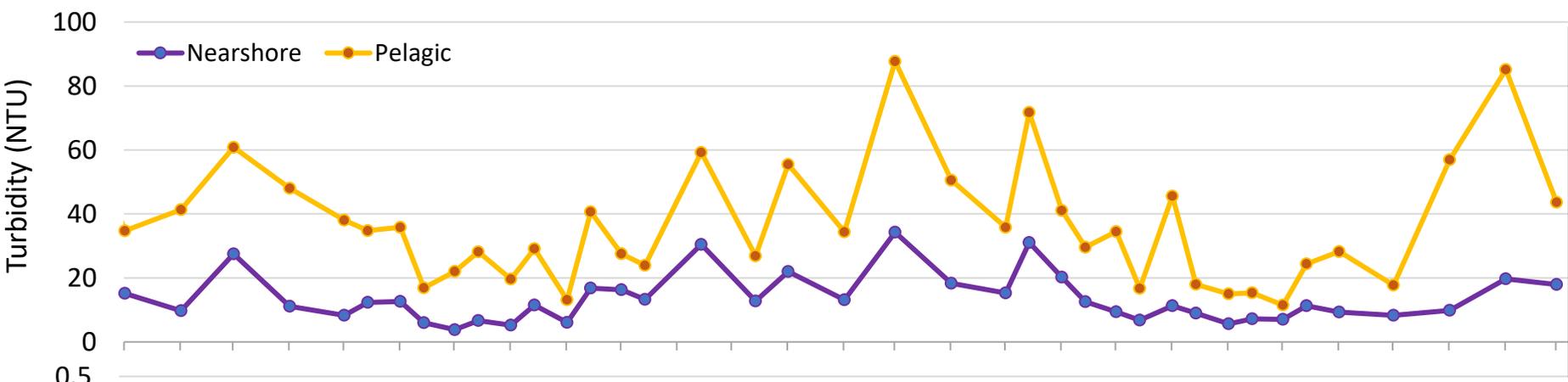


# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

DRAFT

March	Year	Turbidity	DN	Chl-A
Nearshore	2018	51.7	0.486	8.3
	2019	30.7	0.197	17.2
	2020	27.5	0.220	11.5
	2021	34.3	0.288	11.3
	2022	17.9	0.161	19.0
Pelagic	2018	101.4	0.559	5.3
	2019	45.5	0.315	8.0
	2020	60.8	0.355	8.7
	2021	87.7	0.380	6.8
	2022	43.7	0.222	14.3

To Be Updated

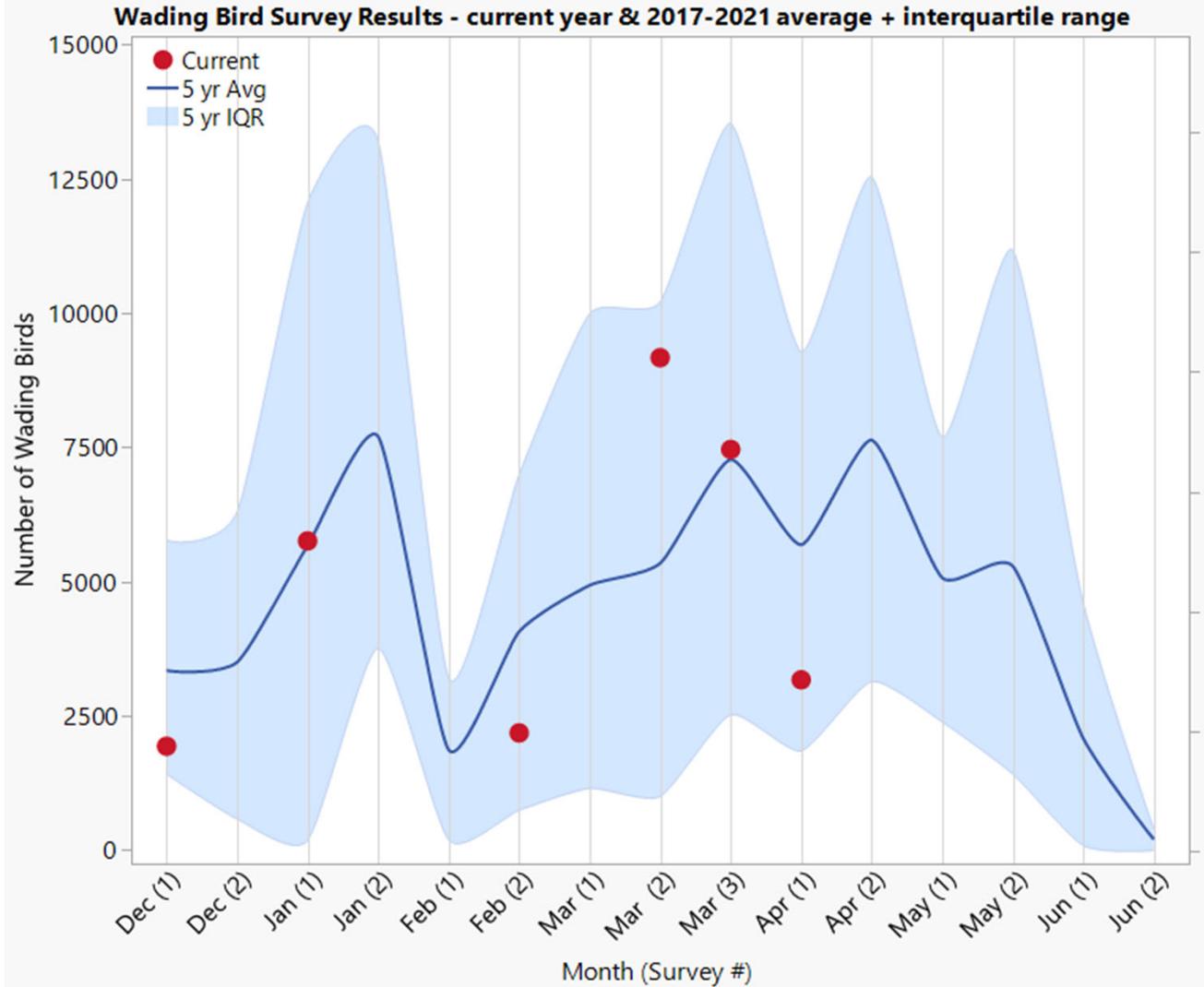
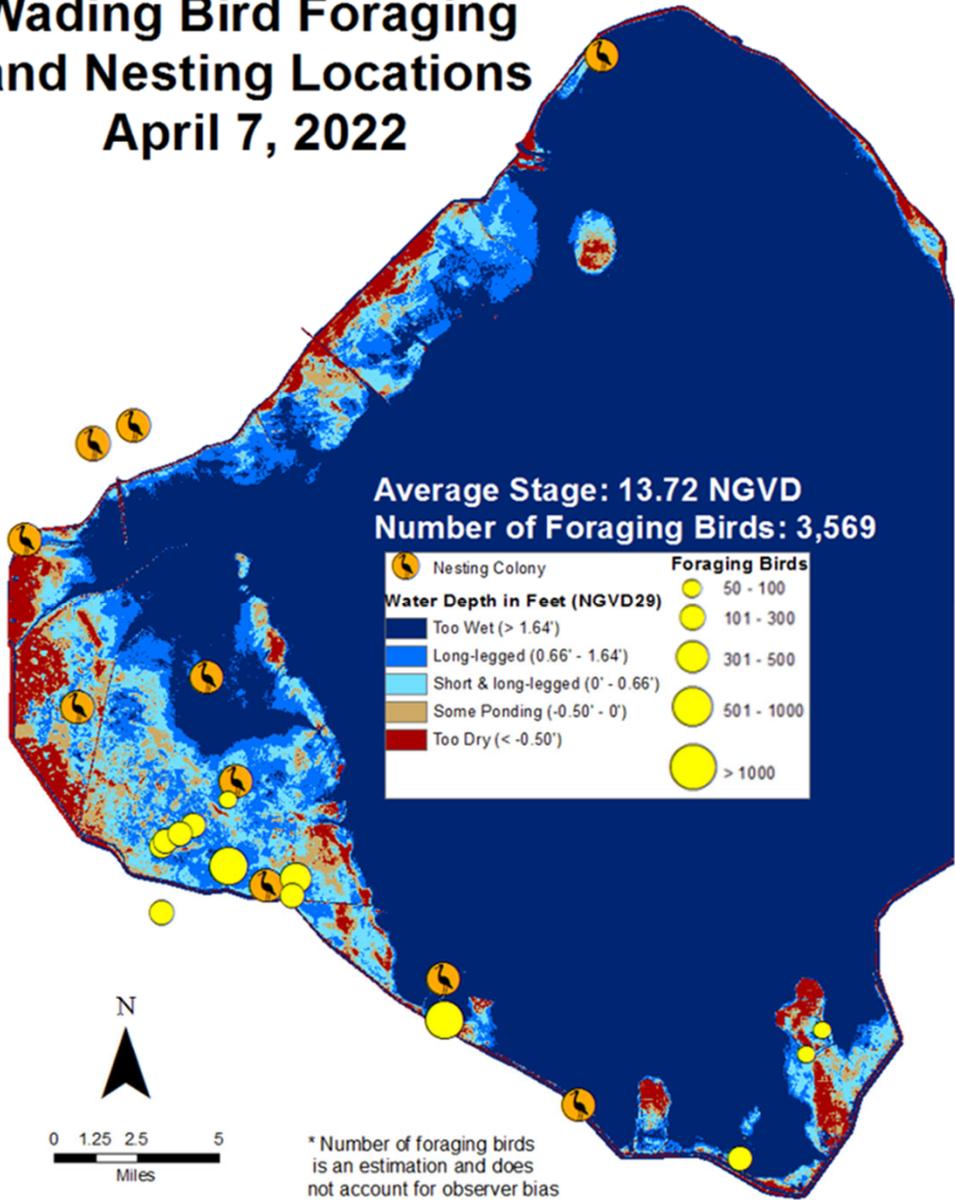


Recent  
Water  
Quality

\*Provisional Data\*

Wading Bird Foraging and Nesting Locations  
April 7, 2022

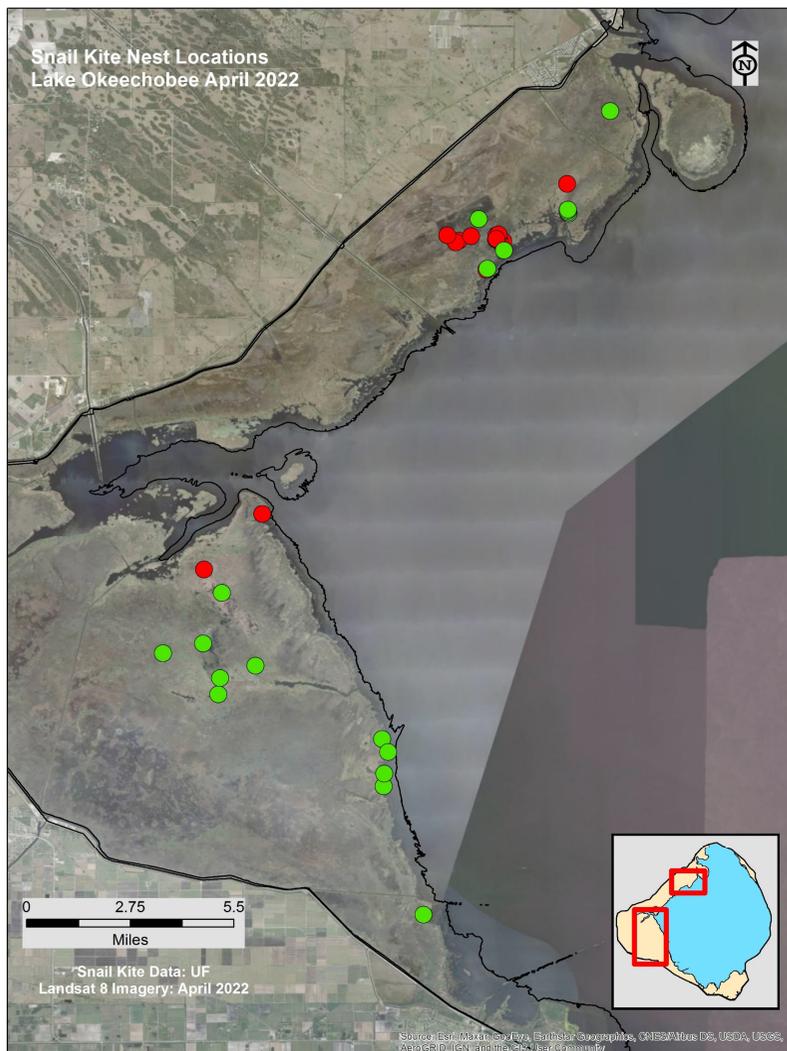
Lake Okeechobee Wading Bird Foraging **DRAFT**  
**To Be Updated**



# Snail Kite Nest Monitoring

DRAFT

To Be Updated



- Currently there have been 34 nests on the lake (green and red dots) with 13 failures (red dots) so far. Three new nests were observed on the lake, one each in Indian Prairie, Moonshine Bay, and Observation Island.
- Last year there were about 161 total nests throughout the marsh, about 80 nests were in the Indian Prairie area



# St. Lucie Inflows and Salinity Conditions

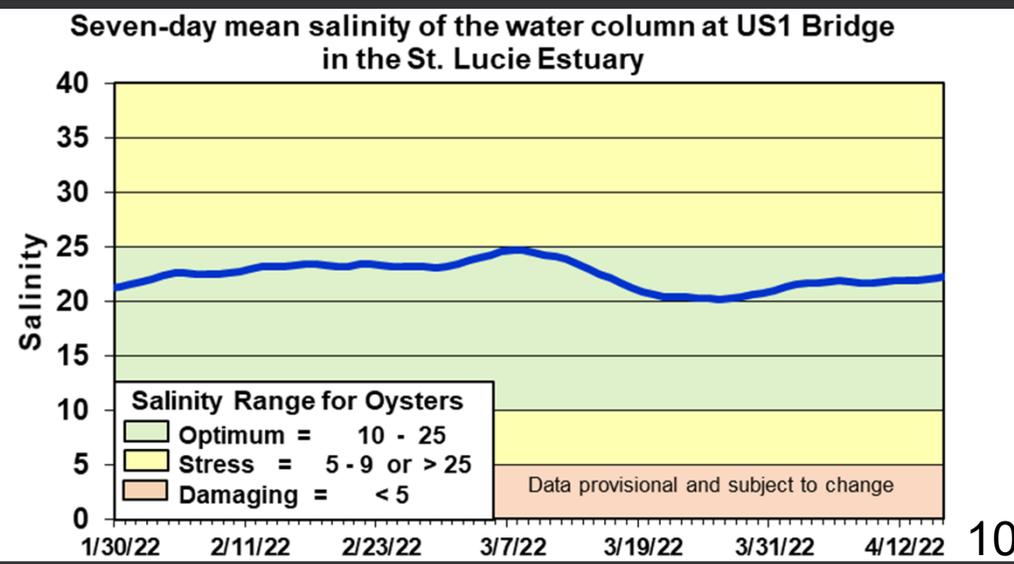
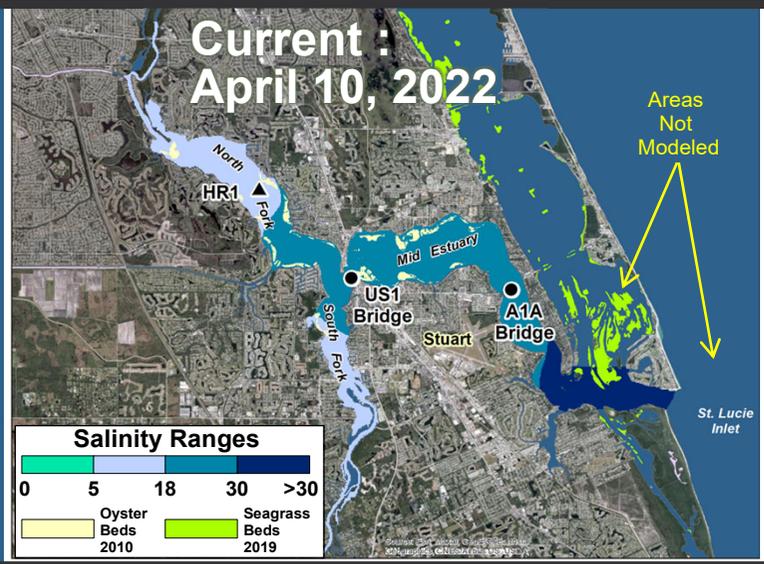
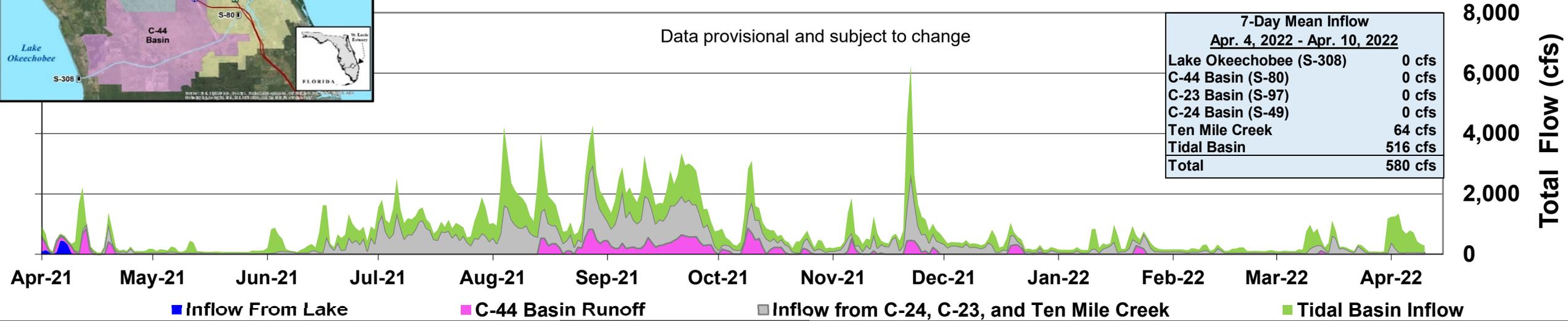
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To Be Updated



## Total Daily Inflow into the St. Lucie Estuary

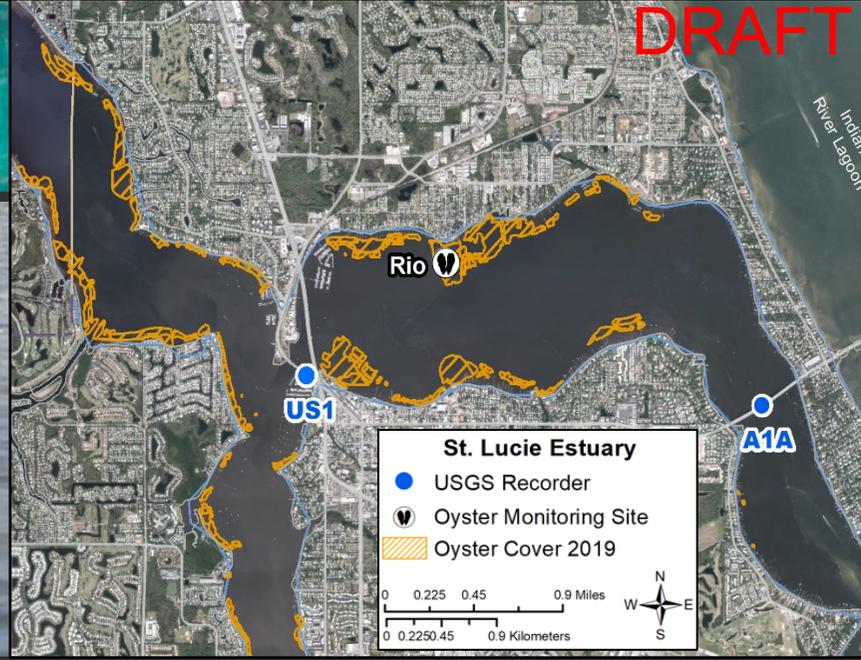
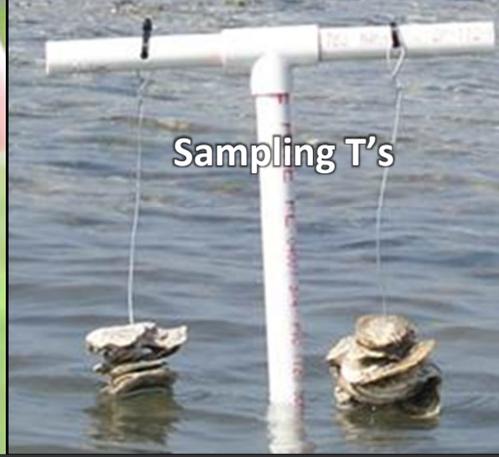
Data provisional and subject to change

7-Day Mean Inflow Apr. 4, 2022 - Apr. 10, 2022	
Lake Okeechobee (S-308)	0 cfs
C-44 Basin (S-80)	0 cfs
C-23 Basin (S-97)	0 cfs
C-24 Basin (S-49)	0 cfs
Ten Mile Creek	64 cfs
Tidal Basin	516 cfs
<b>Total</b>	<b>580 cfs</b>

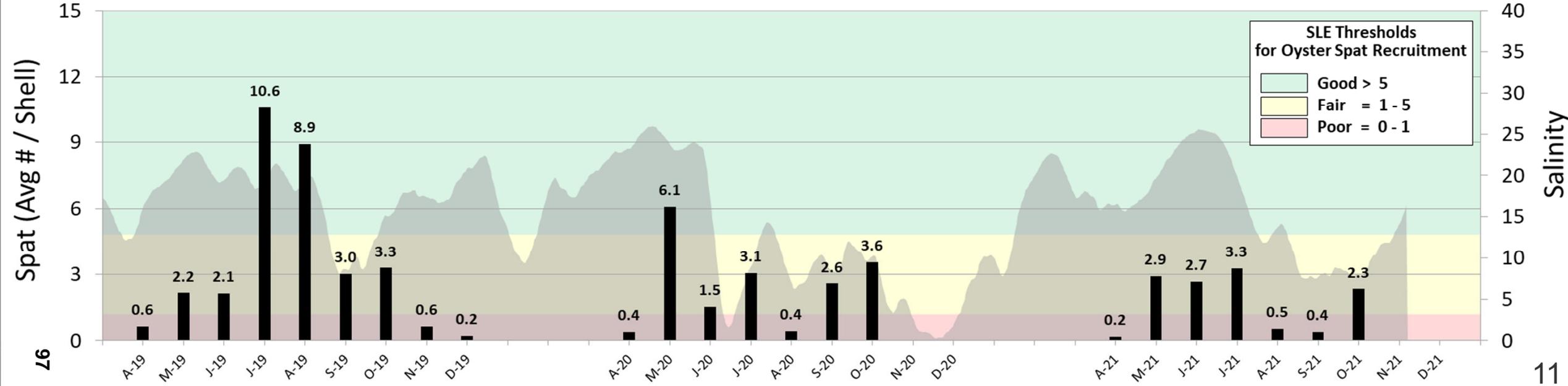


# St. Lucie Estuary – Oyster Recruitment To Be Updated

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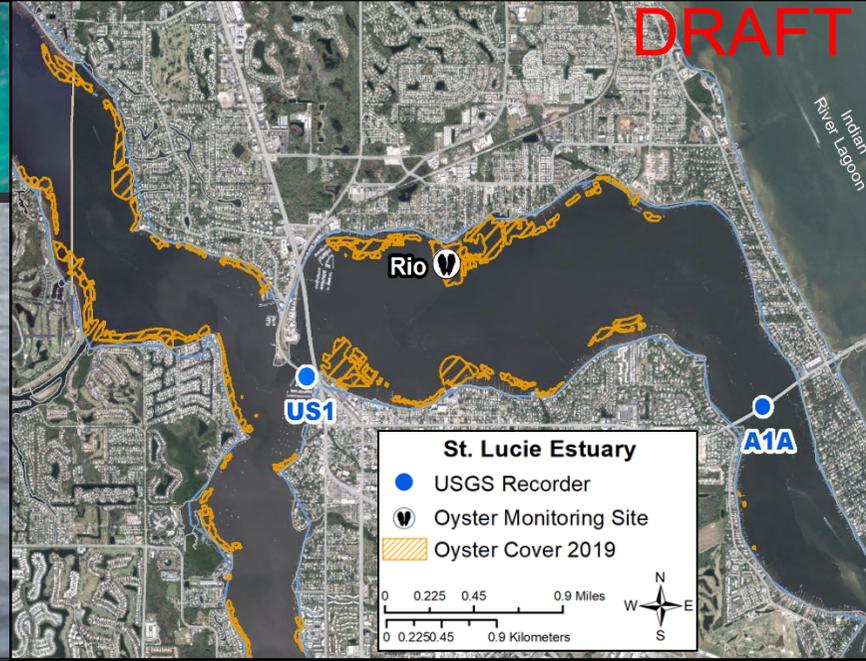
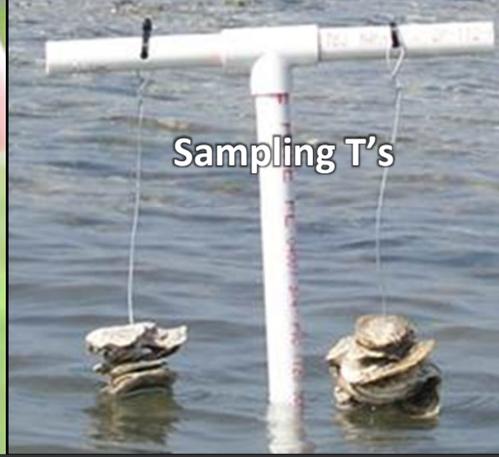


2019 - 2021 Rio Oyster Recruitment and 14-Day Mean Salinity at US1 Bridge

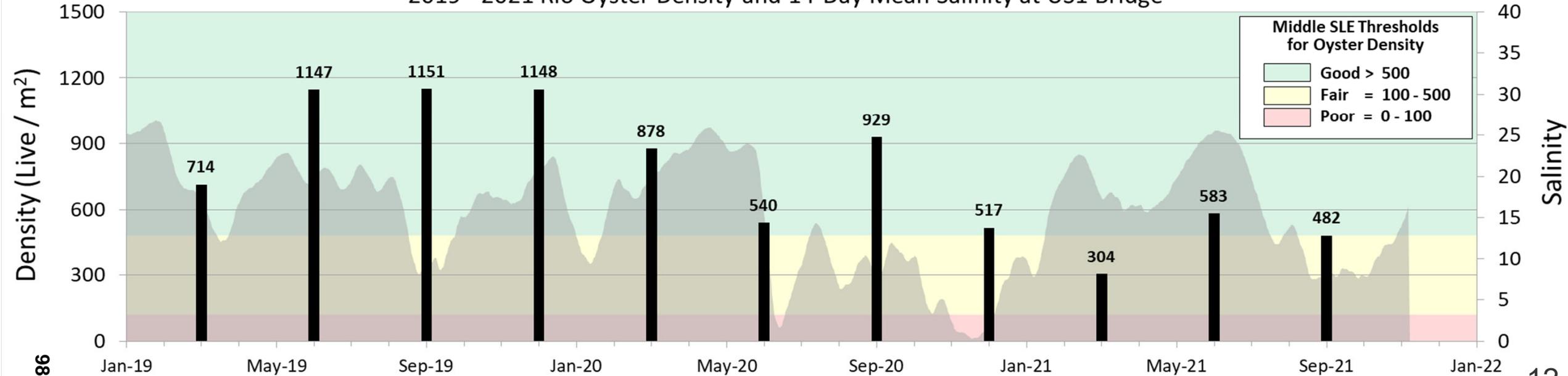


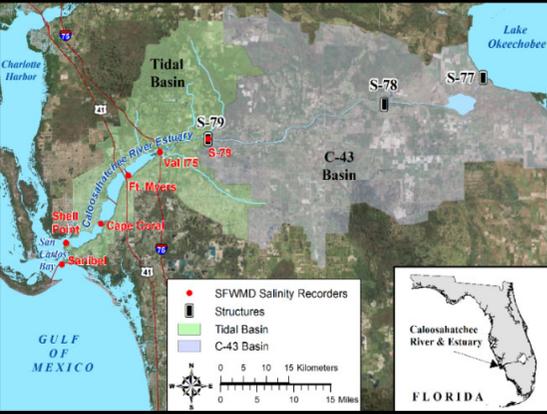
# St. Lucie Estuary – Oyster Density To Be Updated

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2019 - 2021 Rio Oyster Density and 14-Day Mean Salinity at US1 Bridge





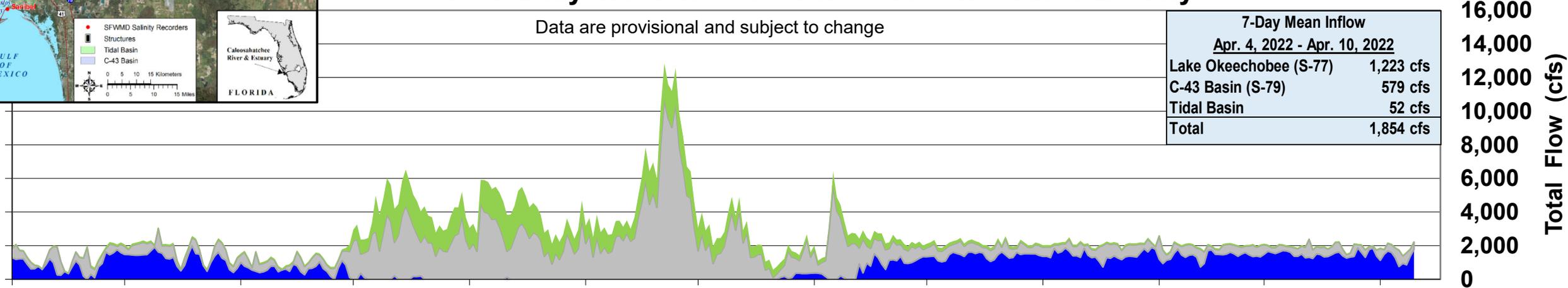
# Caloosahatchee Inflows and Salinity Conditions

DRAFT  
To Be Updated

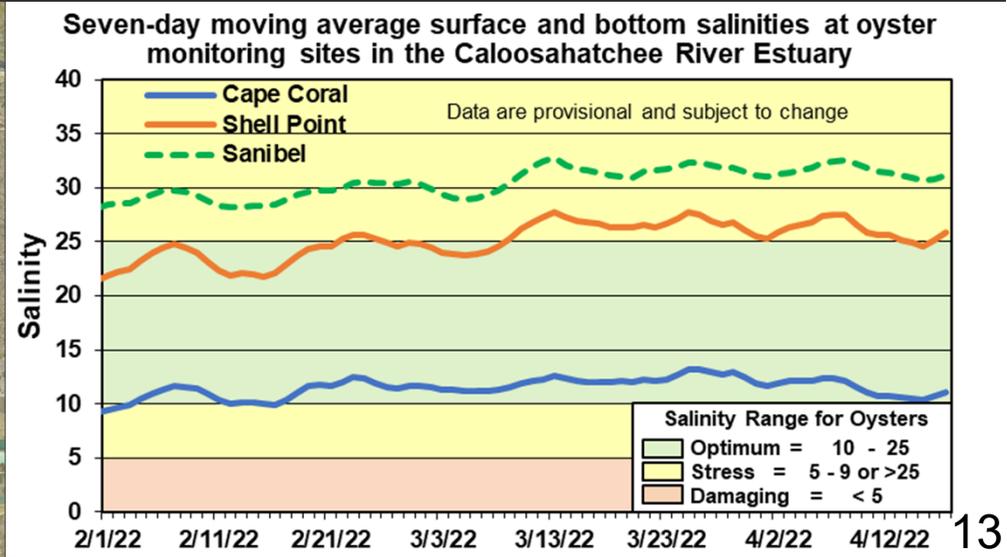
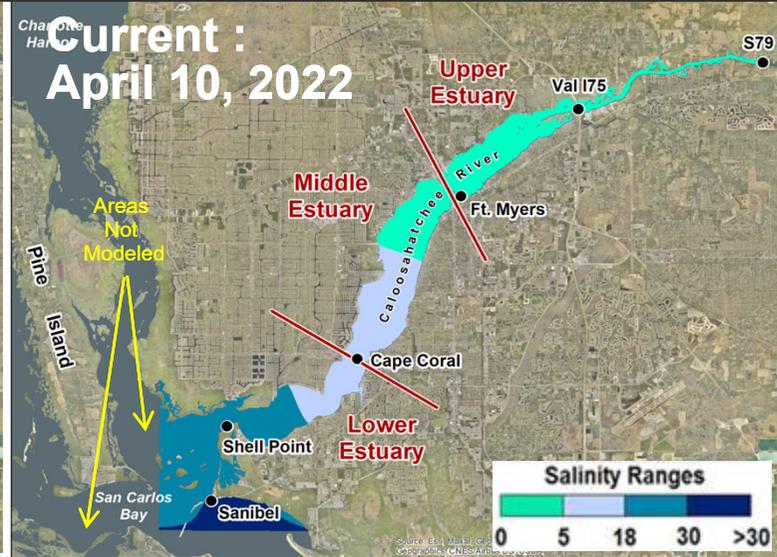
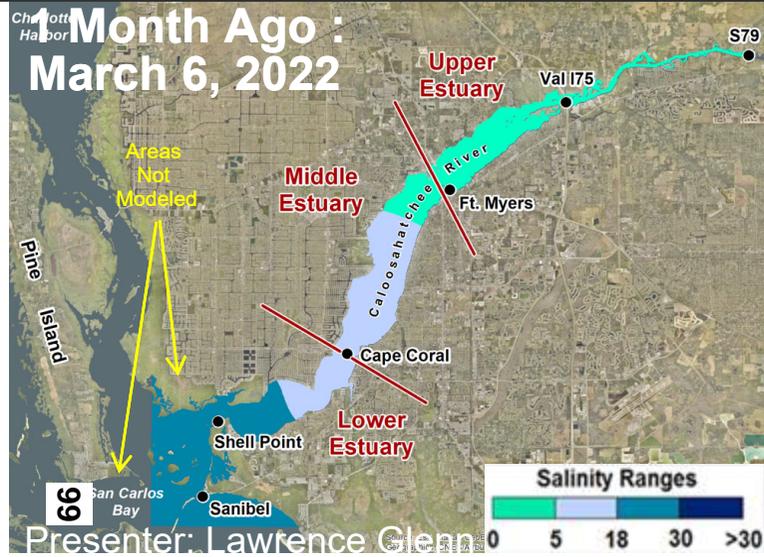
## Total Daily Inflow into the Caloosahatchee River Estuary

Data are provisional and subject to change

7-Day Mean Inflow Apr. 4, 2022 - Apr. 10, 2022	
Lake Okeechobee (S-77)	1,223 cfs
C-43 Basin (S-79)	579 cfs
Tidal Basin	52 cfs
<b>Total</b>	<b>1,854 cfs</b>



■ Inflow from Lake      ■ C-43 Basin Inflow      ■ Tidal Basin Inflow (downstream of S-79)

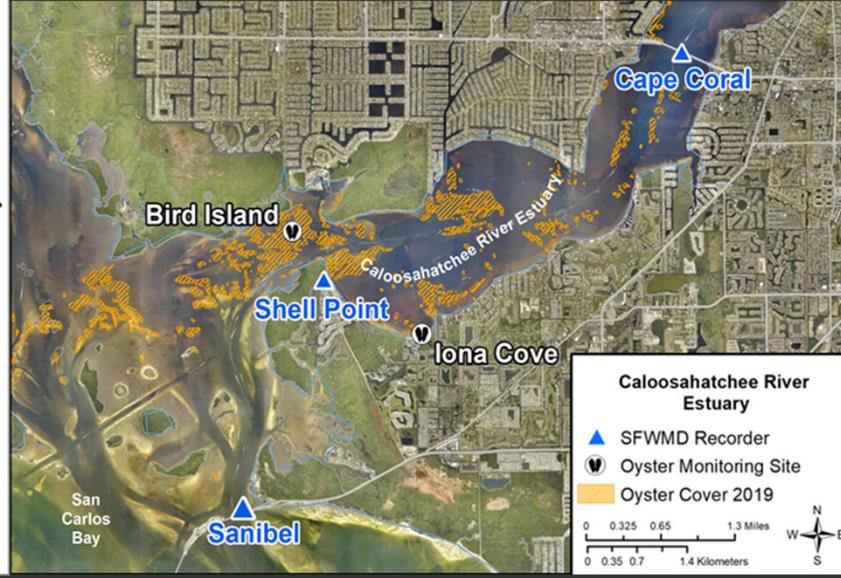
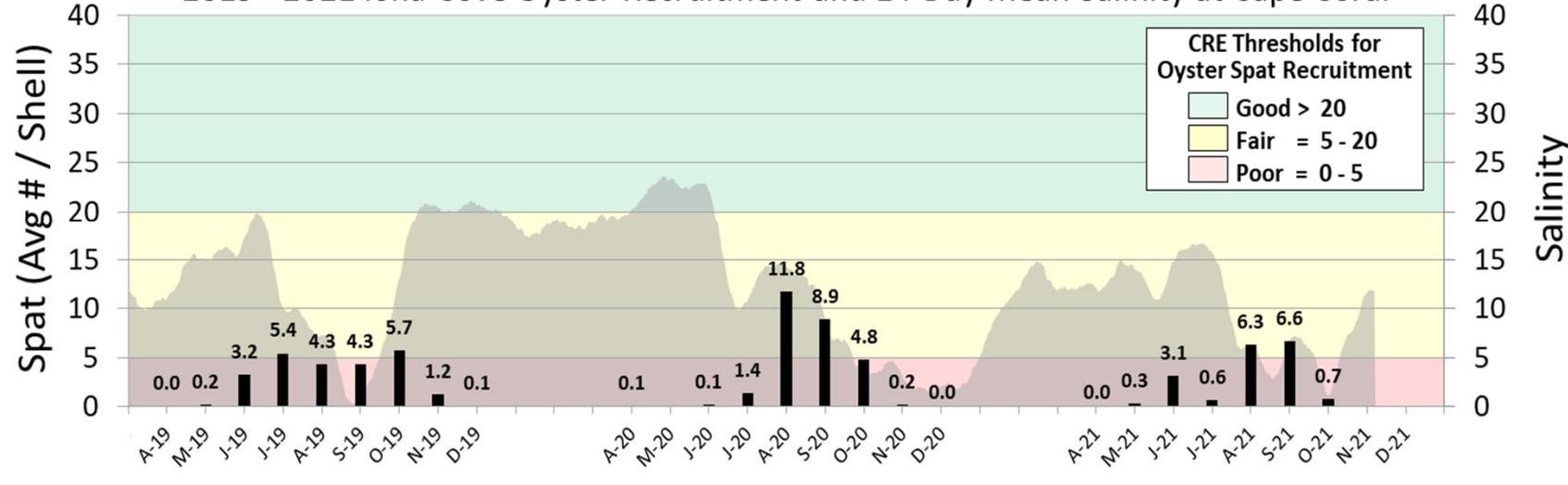


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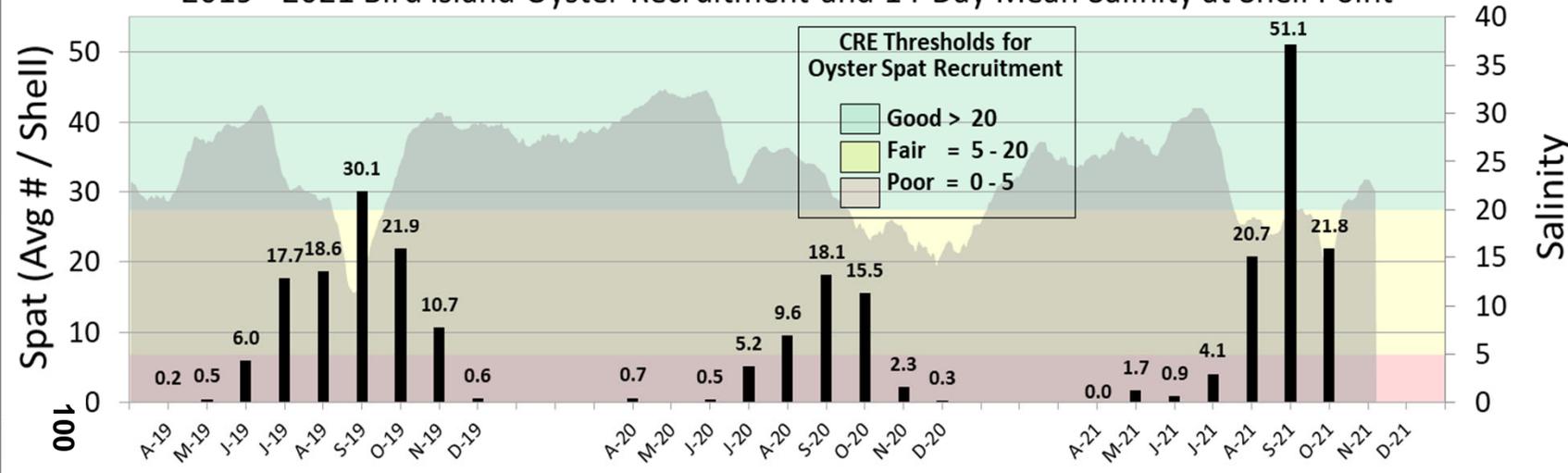
# Caloosahatchee Estuary – Oyster Recruitment

To Be Updated

2019 - 2021 Iona Cove Oyster Recruitment and 14-Day Mean Salinity at Cape Coral



2019 - 2021 Bird Island Oyster Recruitment and 14-Day Mean Salinity at Shell Point

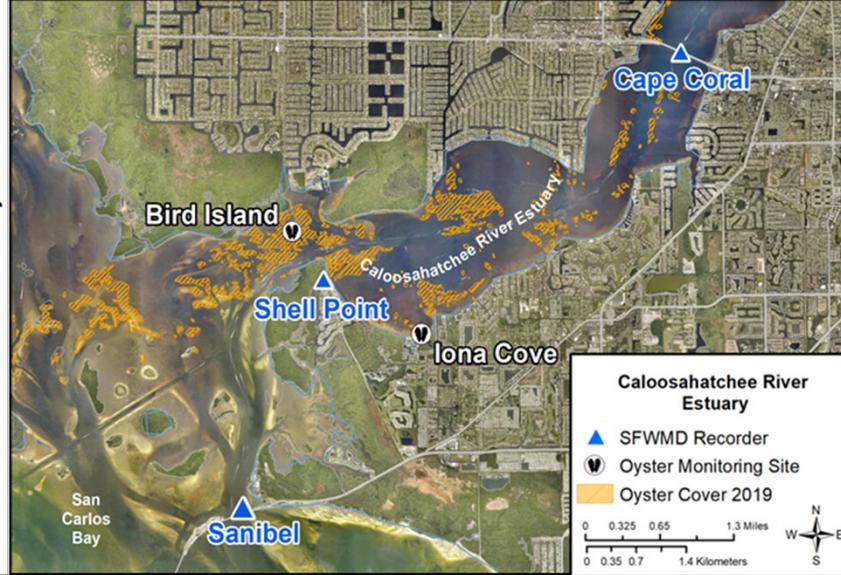
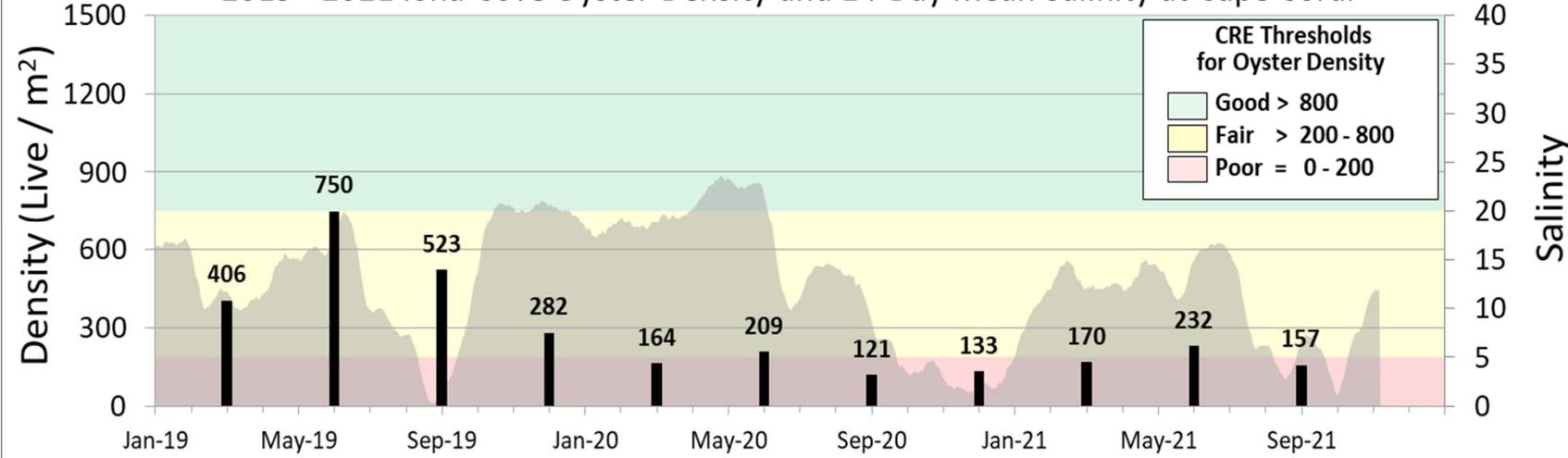


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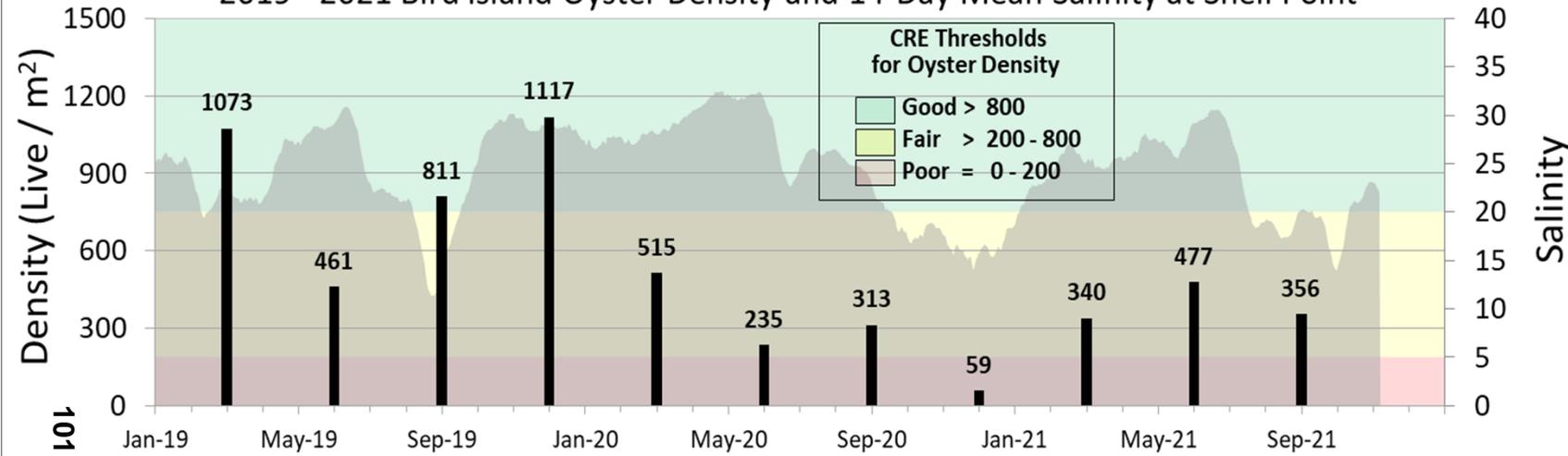
# Caloosahatchee Estuary – Oyster Density

To Be Updated

2019 - 2021 Iona Cove Oyster Density and 14-Day Mean Salinity at Cape Coral



2019 - 2021 Bird Island Oyster Density and 14-Day Mean Salinity at Shell Point



Exposed oyster bed at Iona Cove

Presenter: Lawrence Glenn

# Everglades Stormwater Treatment Areas (STAs)

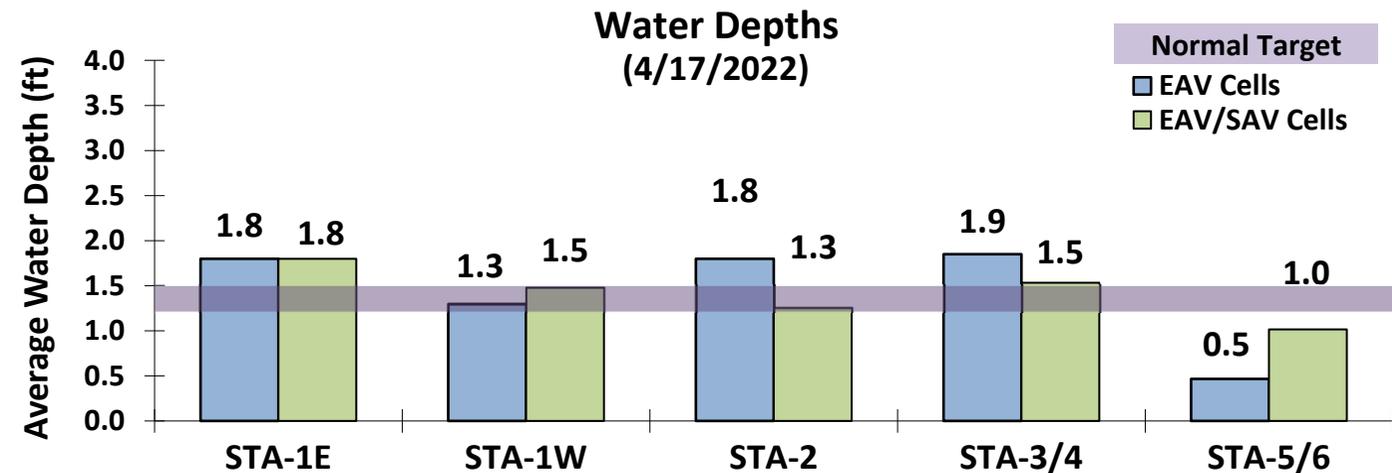
**DRAFT**  
**To Be Updated**

- STAs treated basin runoff and Lake Okeechobee releases in April
  - Total inflows to STAs since 5/1/2021 (WY2022): ~1,022,000 ac-ft
  - Lake Okeechobee releases to FEB/ STAs in WY2022: ~107,700 ac-ft
- Extensive vegetation management activities underway to address stressed and highly stressed vegetation especially in EAV cells
- Most treatment cells are at or near target depth except STA-5/6 EAV cells drying out

Water Year 2022 To Date  
5/1/2021 to 4/17/2022

	STA-1E	STA-1W	STA-2	STA-3/4	STA-5/6
Inflow TP Concentration (ppb)	119	158	90	66	243
Outflow TP Concentration (ppb)	22	24	15	15	50
365-day Phosphorus Loading Rate (g/m <sup>2</sup> /yr)	2.3	0.3	0.6	0.7	0.9
Inflow Volume (ac-ft)	173,000	56,700	284,600	342,900	177,800

*Includes preliminary data; all concentrations are flow-weighted means*

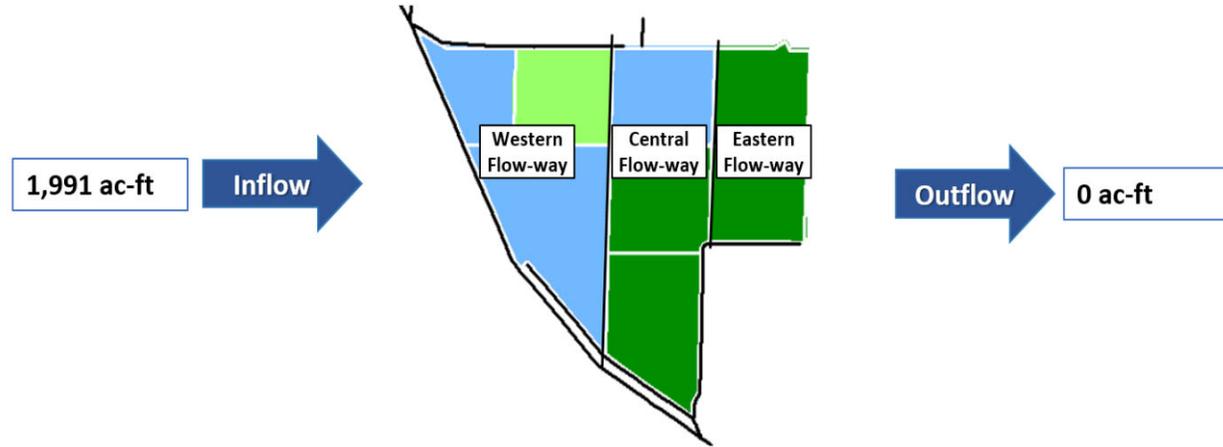


*Includes preliminary data; Emergent Aquatic Vegetation (EAV); Submerged Aquatic Vegetation (SAV)*

# STA-1E

To Be Updated

STA-1E Weekly Status Report – 4/11/2022 through 4/17/2022



STA-1E Flow-Way Status			
Flow-Way	Vegetation Status Healthy ----- Stressed	365-day P Loading Rate (below 1.0 g P /m <sup>2</sup> /yr is optimal)	Online / Offline / Restrictions
Eastern	←-----→		Offline, Tropical Storm Eta repairs starting 01/24/2022
Central	←-----→		Vegetation Rehab
Western	←-----→		Offline, post-construction grow in starting 3/28/2022

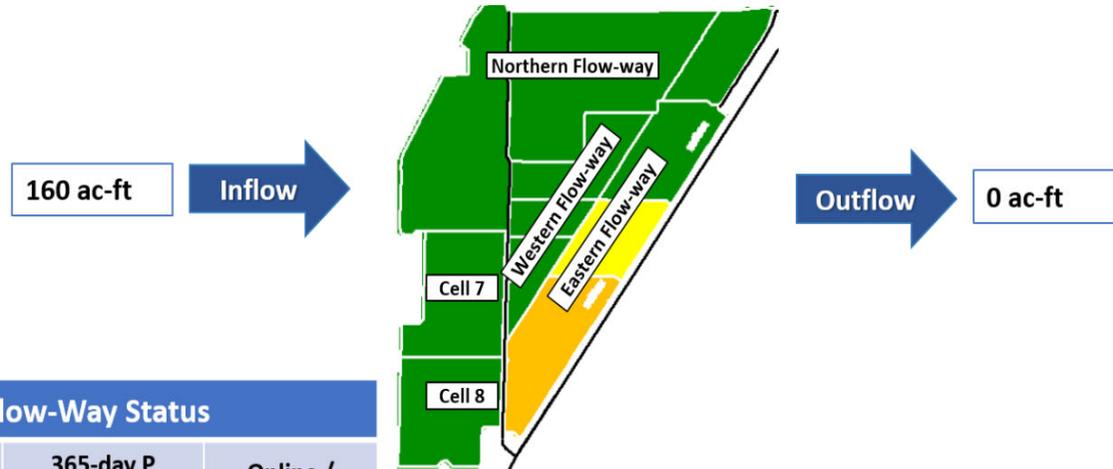
As of 4/17/2022	
Stage Based: Relative to Target Stage (TS)	
	Deep Water Level (> 2.8' above TS)
	High Water Level (1.5' – 2.8' above TS)
	0.2' – 1.5' above TS
	Target Stage (TS +/- 0.2')
	Low Water Level (<0.2' below TS)
Depth / Area Based: Percent of Area Dry	
	0-25% Dry
	25-50% Dry
	50-75% Dry
	75-100% Dry

STA-1E Flow & Phosphorus Concentration			
	7-day	28-day	365-day
Total Inflow, ac-ft	1,991	4,511	176,942
--Lake Inflow, ac-ft	700	N/A	4,500
Total Outflow, ac-ft	0	226	146,453
Inflow Conc., ppb	100	96	120
Outflow Conc., ppb	N/A	31	23
Includes Preliminary Data			

# STA-1W

To Be Updated

STA-1W Weekly Status Report – 4/11/2022 through 4/17/2022



STA-1W Flow-Way Status			
Flow-Way	Vegetation Status Healthy --- Stressed	365-day P Loading Rate (below 1.0 g P /m <sup>2</sup> /yr is optimal)	Online / Offline / Restrictions
Northern	←  →	1.0	Construction
Western	←  →	1.0	Construction
Eastern	←  →	1.0	Construction
Cell 7	←  →	N/A	Online
Cell 8	←  →	N/A	Construction

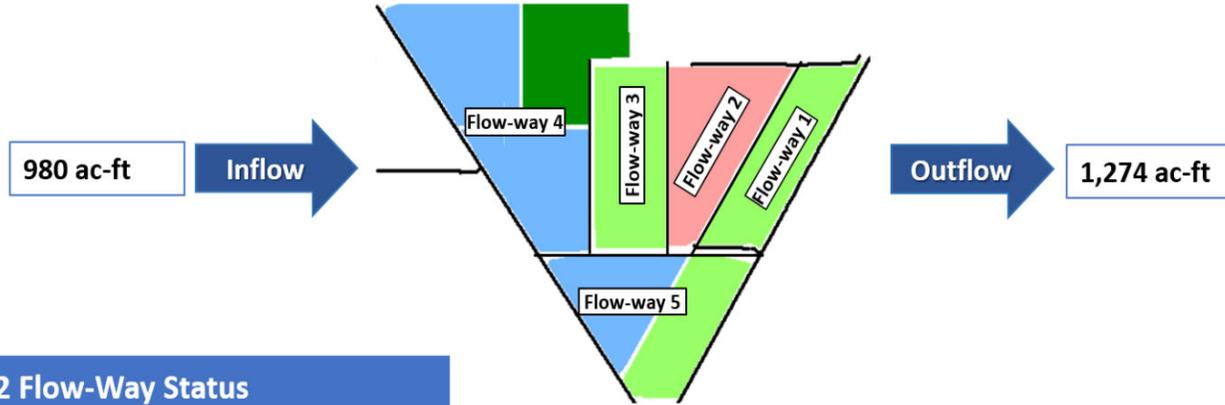
As of 4/17/2022	
Stage Based: Relative to Target Stage (TS)	
	Deep Water Level (> 2.8' above TS)
	High Water Level (1.5' – 2.8' above TS)
	0.2' – 1.5' above TS
	Target Stage (TS +/- 0.2')
	Low Water Level (<0.2' below TS)
Depth / Area Based: Percent of Area Dry	
	0-25% Dry
	25-50% Dry
	50-75% Dry
	75-100% Dry

STA-1W Flow & Phosphorus Concentration			
	7-day	28-day	365-day
Total Inflow, ac-ft	160	3,668	56,664
--Lake Inflow, ac-ft	100	N/A	5,100
Total Outflow, ac-ft	0	0	52,971
Inflow Conc., ppb	99	89	158
Outflow Conc., ppb	N/A	N/A	24
Includes Preliminary Data			

# STA-2

To Be Updated

STA-2 Weekly Status Report – 4/11/2022 through 4/17/2022



STA-2 Flow-Way Status			
Flow-Way	Vegetation Status Healthy ----- Stressed	365-day P Loading Rate (below 1.0 g P /m <sup>2</sup> /yr is optimal)	Online / Offline / Restrictions
1			Post Dryout
2	Offline, construction activities as of 9/7/2021		
3			Vegetation Rehab
4			Vegetation Rehab
5			Online

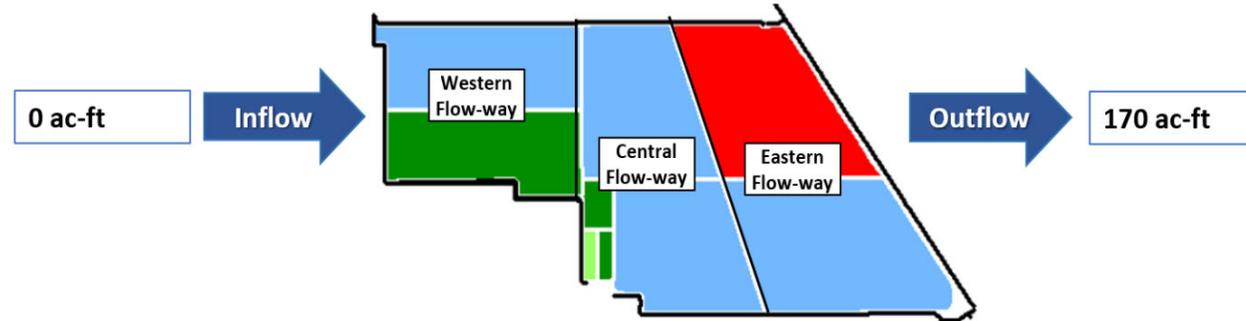
As of 4/17/2022	
Stage Based: Relative to Target Stage (TS)	
	Deep Water Level (> 2.8' above TS)
	High Water Level (1.5' – 2.8' above TS)
	0.2' – 1.5' above TS
	Target Stage (TS +/- 0.2')
	Low Water Level (<0.2' below TS)
Depth / Area Based: Percent of Area Dry	
	0-25% Dry
	25-50% Dry
	50-75% Dry
	75-100% Dry

STA-2 Flow & Phosphorus Concentration			
	7-day	28-day	365-day
Total Inflow, ac-ft	980	11,455	296,955
--Lake Inflow, ac-ft	100	N/A	46,200
Total Outflow, ac-ft	1,274	5,045	307,493
Inflow Conc., ppb	17	43	90
Outflow Conc., ppb	14	20	15
Includes Preliminary Data			

# STA-3/4

To Be Updated

STA-3/4 Weekly Status Report – 4/11/2022 through 4/17/2022



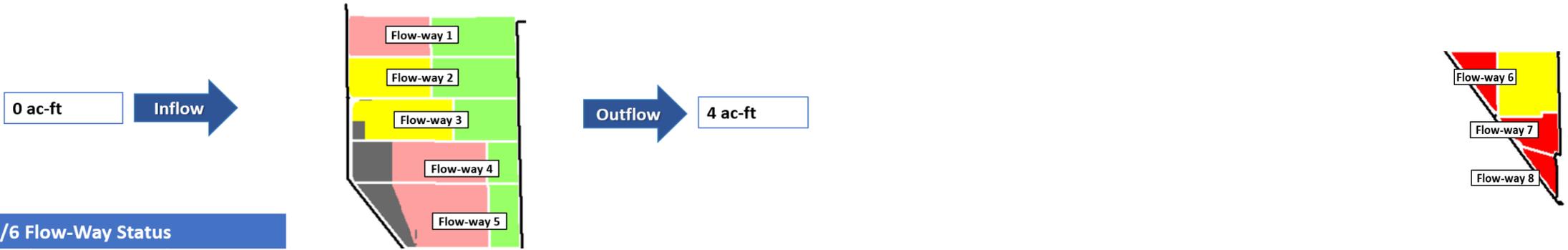
STA-3/4 Flow-Way Status				As of 4/17/2022		STA-3/4 Flow & Phosphorus Concentration			
Flow-Way	Vegetation Status Healthy ----- Stressed	365-day P Loading Rate (below 1.0 g P /m <sup>2</sup> /yr is optimal)	Online / Offline / Restrictions	Stage Based: Relative to Target Stage (TS)			7-day	28-day	365-day
Eastern	Offline, vegetation management drawdown as of 3/1/2021			<ul style="list-style-type: none"> <li>Deep Water Level (&gt; 2.8' above TS)</li> <li>High Water Level (1.5' – 2.8' above TS)</li> <li>0.2' – 1.5' above TS</li> <li>Target Stage (TS +/- 0.2')</li> <li>Low Water Level (&lt;0.2' below TS)</li> </ul>		Total Inflow, ac-ft	0	58	355,093
Central	← →		Online	Depth / Area Based: Percent of Area Dry		--Lake Inflow, ac-ft	0	N/A	37,800
Western	← →		Online	<ul style="list-style-type: none"> <li>0-25% Dry</li> <li>25-50% Dry</li> <li>50-75% Dry</li> <li>75-100% Dry</li> </ul>		Total Outflow, ac-ft	170	170	316,451
						Inflow Conc., ppb	N/A	31	66
						Outflow Conc., ppb	19	19	15
Includes Preliminary Data									

# STA-5/6

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To Be Updated

STA-5/6 Weekly Status Report – 4/11/2022 through 4/17/2022



STA-5/6 Flow-Way Status			
Flow-Way	Vegetation Status Healthy ----- Stressed	365-day P Loading Rate (below 1.0 g P /m <sup>2</sup> /yr is optimal)	Online / Offline / Restrictions
1	← →	1.0	Online
2	← →	N/A	Online
3	← →	N/A	Online
4	Offline, vegetation management starting 01/24/2022		
5	← →	1.0	Online

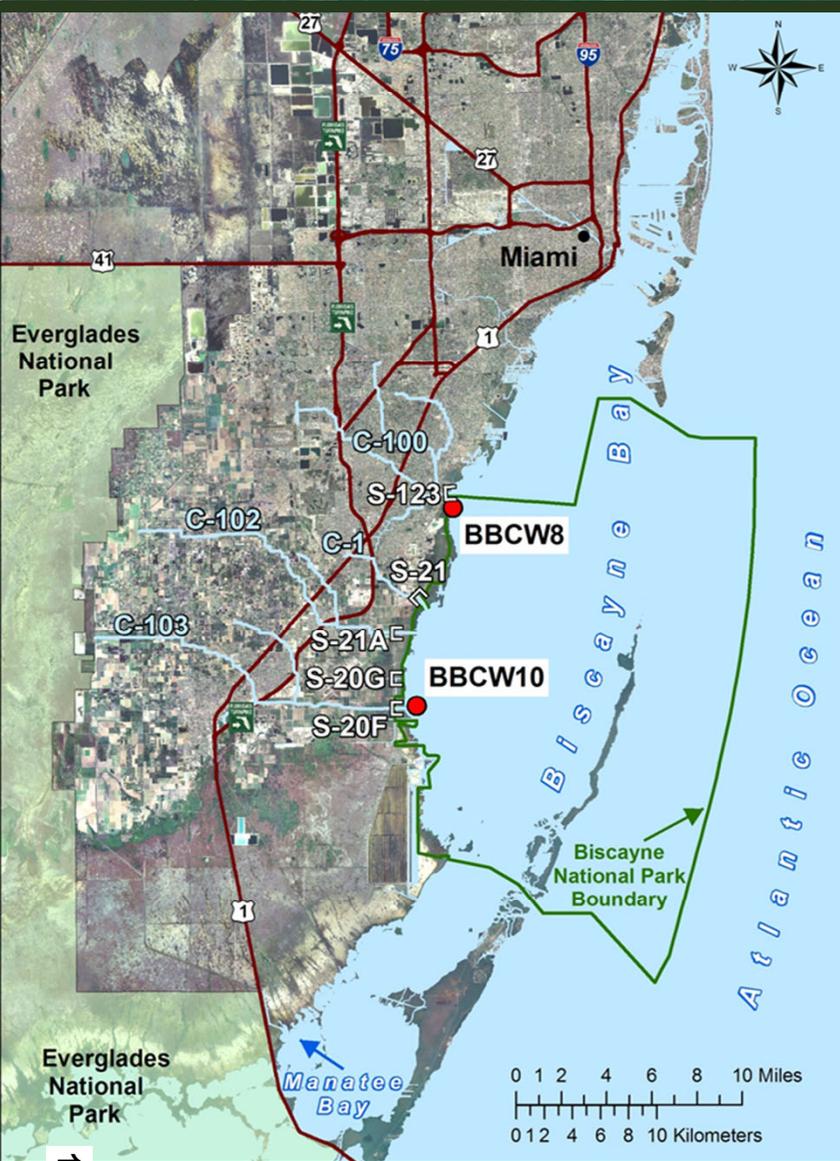
As of 4/17/2022	
Stage Based: Relative to Target Stage (TS)	
Deep Water Level (> 2.8' above TS)	
High Water Level (1.5' – 2.8' above TS)	
0.2' – 1.5' above TS	
Target Stage (TS +/- 0.2')	
Low Water Level (<0.2' below TS)	
Depth / Area Based: Percent of Area Dry	
0-25% Dry	50-75% Dry
25-50% Dry	75-100% Dry

STA-5/6 Flow & Phosphorus Concentration			
	7-day	28-day	365-day
Total Inflow, ac-ft	0	0	177,792
--Lake Inflow, ac-ft	0	N/A	8,000
Total Outflow, ac-ft	4	4	169,172
Inflow Conc., ppb	N/A	N/A	243
Outflow Conc., ppb	61	61	50
Includes Preliminary Data			

STA-5/6 Flow-Way Status			
Flow-Way	Vegetation Status Healthy ----- Stressed	365-day P Loading Rate (below 1.0 g P /m <sup>2</sup> /yr is optimal)	Online / Offline / Restrictions
6	← →	1.0	Online
7	← →	1.0	Online
8	← →	1.0	Online

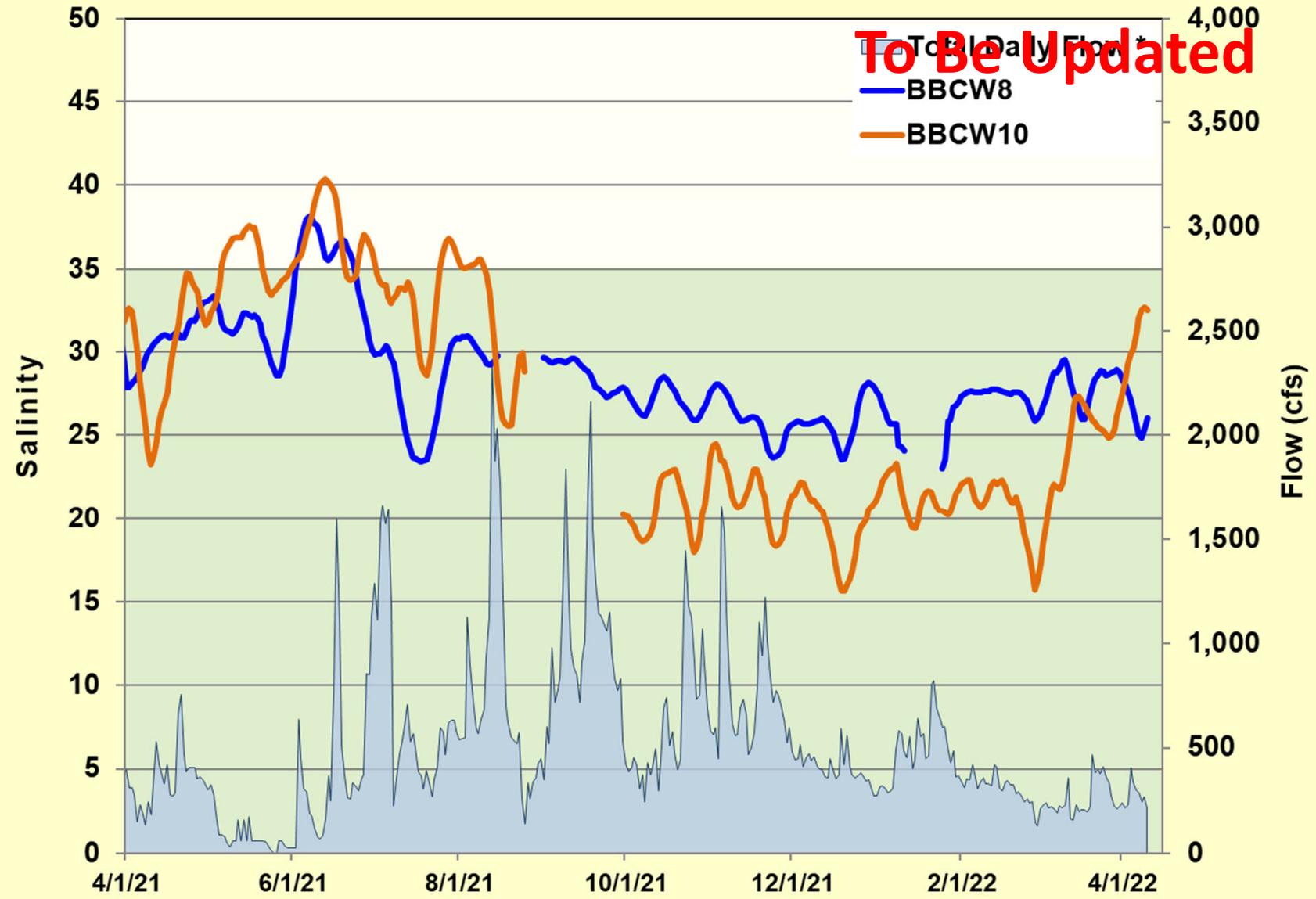
As of 4/17/2022	
Stage Based: Relative to Target Stage (TS)	
Deep Water Level (> 2.8' above TS)	
High Water Level (1.5' – 2.8' above TS)	
0.2' – 1.5' above TS	
Target Stage (TS +/- 0.2')	
Low Water Level (<0.2' below TS)	
Depth / Area Based: Percent of Area Dry	
0-25% Dry	50-75% Dry
25-50% Dry	75-100% Dry

# Biscayne Bay



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

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To Be Updated

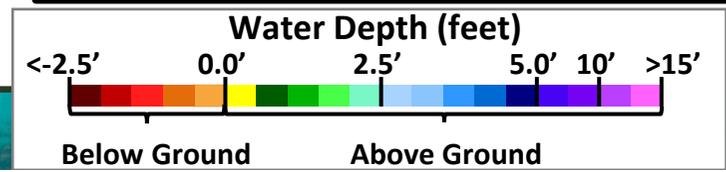
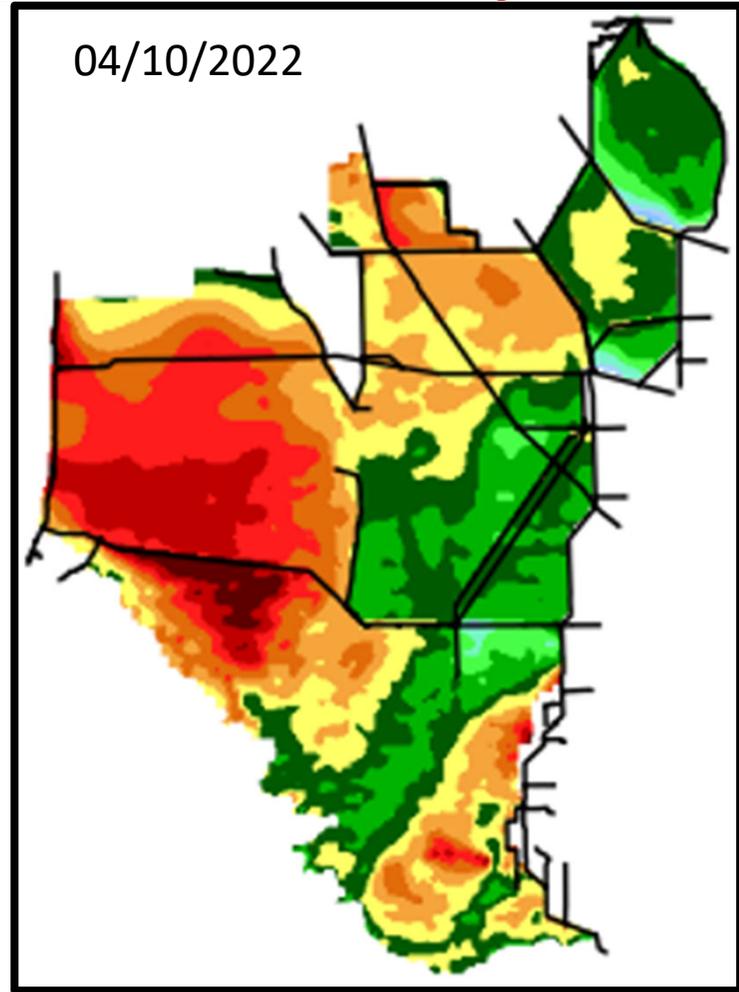
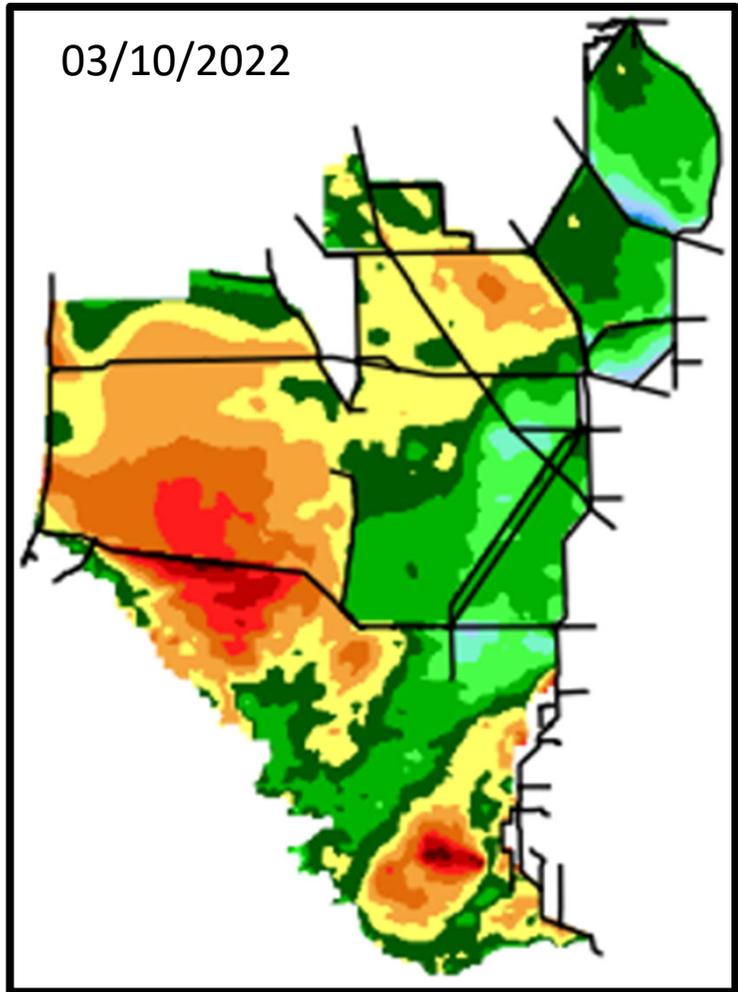
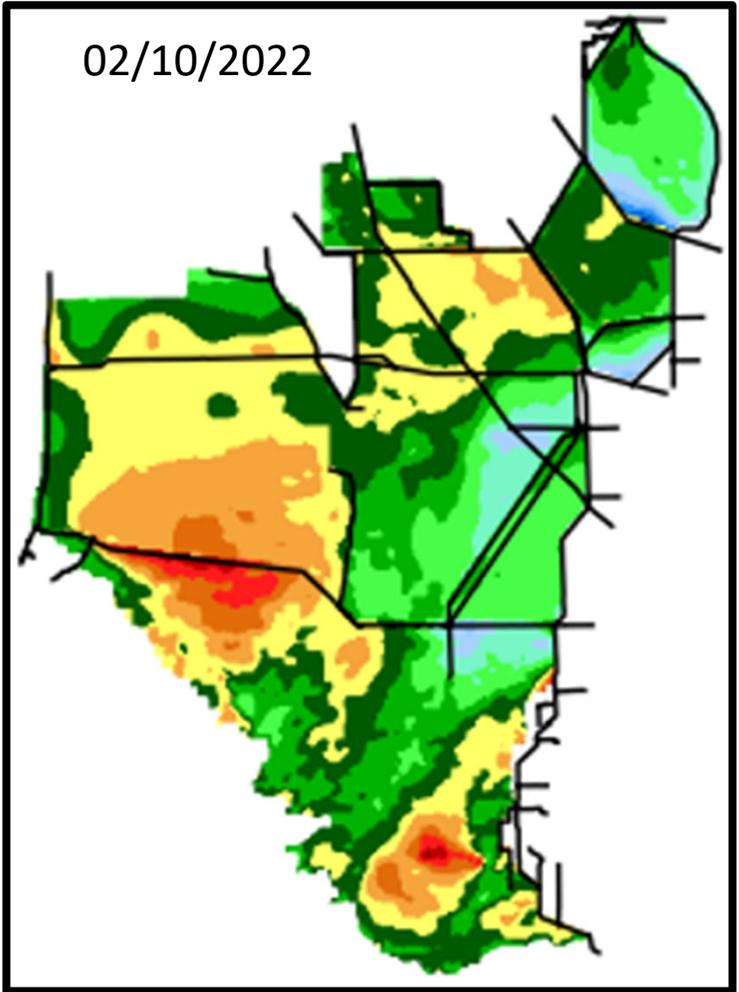
\* Total flow from S20G, S20F, S21, S21A, S123, S700P

108

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# Everglades Water Depth Maps

To Be Updated



# Everglades: April 2022 Wading bird nesting compared to Peak 2021 counts

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To Be Updated



April 2022 (left): Wood Storks have recently started to lay eggs  
 April 2021 (right): Wood stork nestlings were starting to fledge

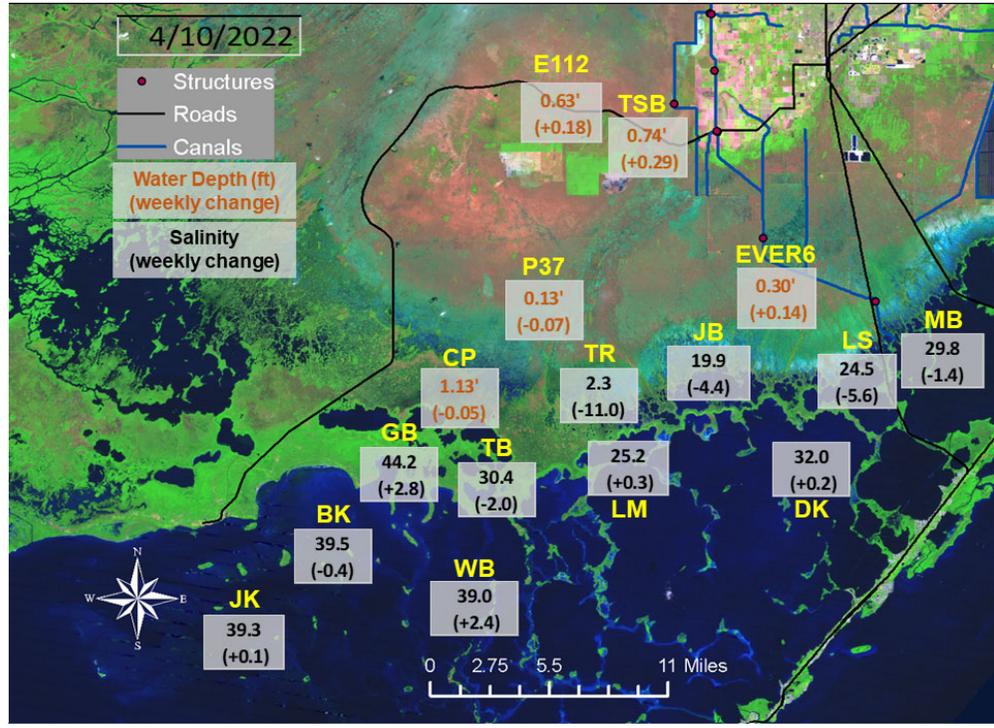
	Peak 2021	April 2022
White Ibis:	64,392	16,000
Great Egret	13,099	3,176
Wood Stork	2,640	345
Snowy Egret	2,933	1,972
R. Spoonbill	809	212
<b>Total Nests:</b>	<b>83,064</b>	<b>21,705</b>

Drier conditions in 2022 have resulted in shorter hydroperiods in core foraging habitats, reduced prey production, fewer foraging birds and later nesting compared to 2021.

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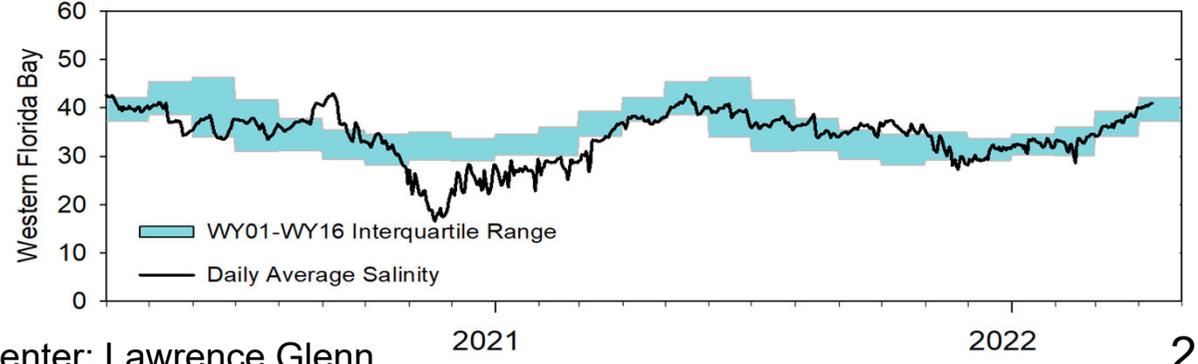
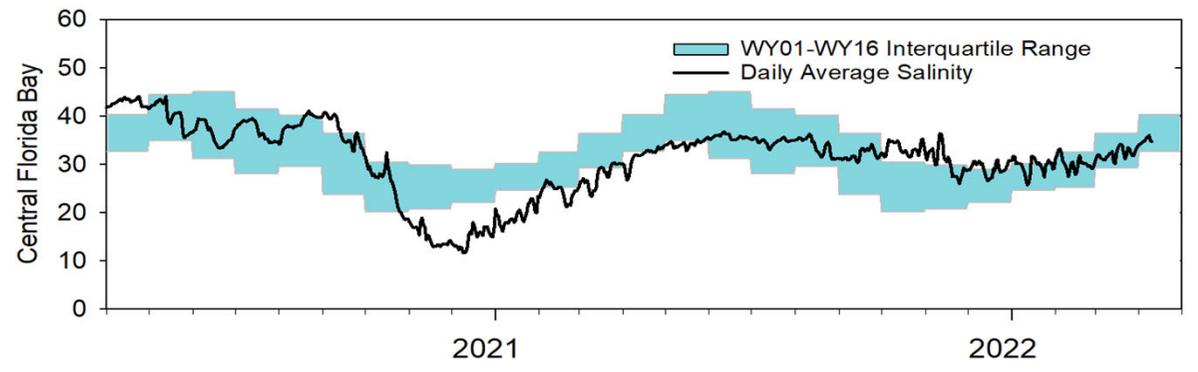
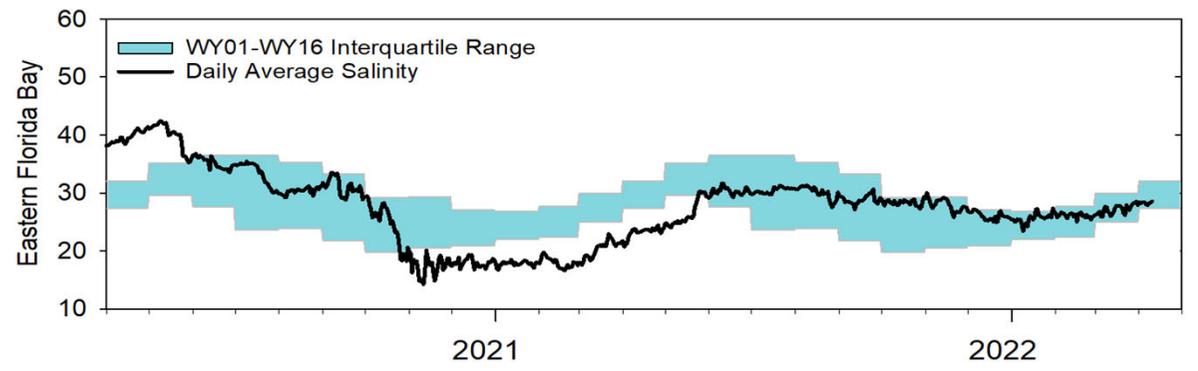
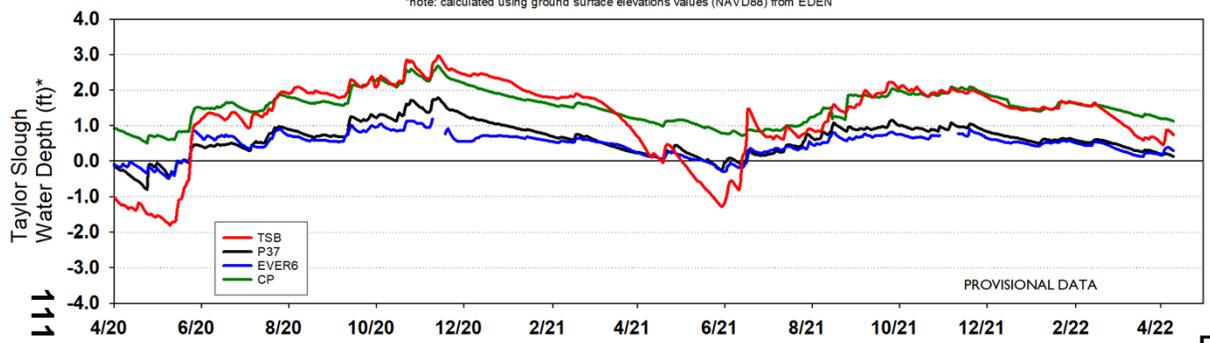
# Taylor Slough Stages and Florida Bay Salinity

To Be Updated



Taylor Slough Water Depths

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



# Questions



*Bottlenose Dolphin, Lostman's River, Everglades National Park  
Photograph courtesy of Mark Cook*

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# FY23 FDEP Alternative Water Supply Grant Program Update



Stacey Adams, PMP  
Lead Project Manager  
Water Supply Bureau  
May 12, 2022

# Alternative Water Supply

- Alternative water supply (AWS) is needed to sustain our natural resources, economic growth, and economic viability.
- Source diversification to supplement traditional water sources is critical to meet current and future water demands.
- AWS helps avoid adverse effects of water supply competition.
- Water conservation reduces water demands.



# Recap – FDEP Alternative Water Supply (AWS) Funding

- Recurring funding per Executive Order 19-12 (Achieving More Now for Florida's Environment)
- FY2022-23 tentative state budget includes \$50 million
- FDEP administers AWS funding
  - Requests water management districts provide list of projects for state funding consideration each May

## STATE OF FLORIDA

OFFICE OF THE GOVERNOR  
EXECUTIVE ORDER NUMBER 19-12  
(Achieving More Now For Florida's Environment)

M. Engage local governments, industry, universities and water management districts to identify and research all viable alternative water supply sources and provide an assessment of funding needs critical to supporting Florida's growing economy. DEP should take all necessary steps to establish recurring funding for an alternative water supply grant program to help communities plan for and implement vital conservation, reuse and other alternative water supply projects.



# Recap – FDEP Funding Considerations

## ➤ Project funding considerations

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

# Recap – Additional District Considerations

## ➤ Alternative Water Supply

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

## ➤ Water Conservation

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



# Recap – Governing Board Priorities

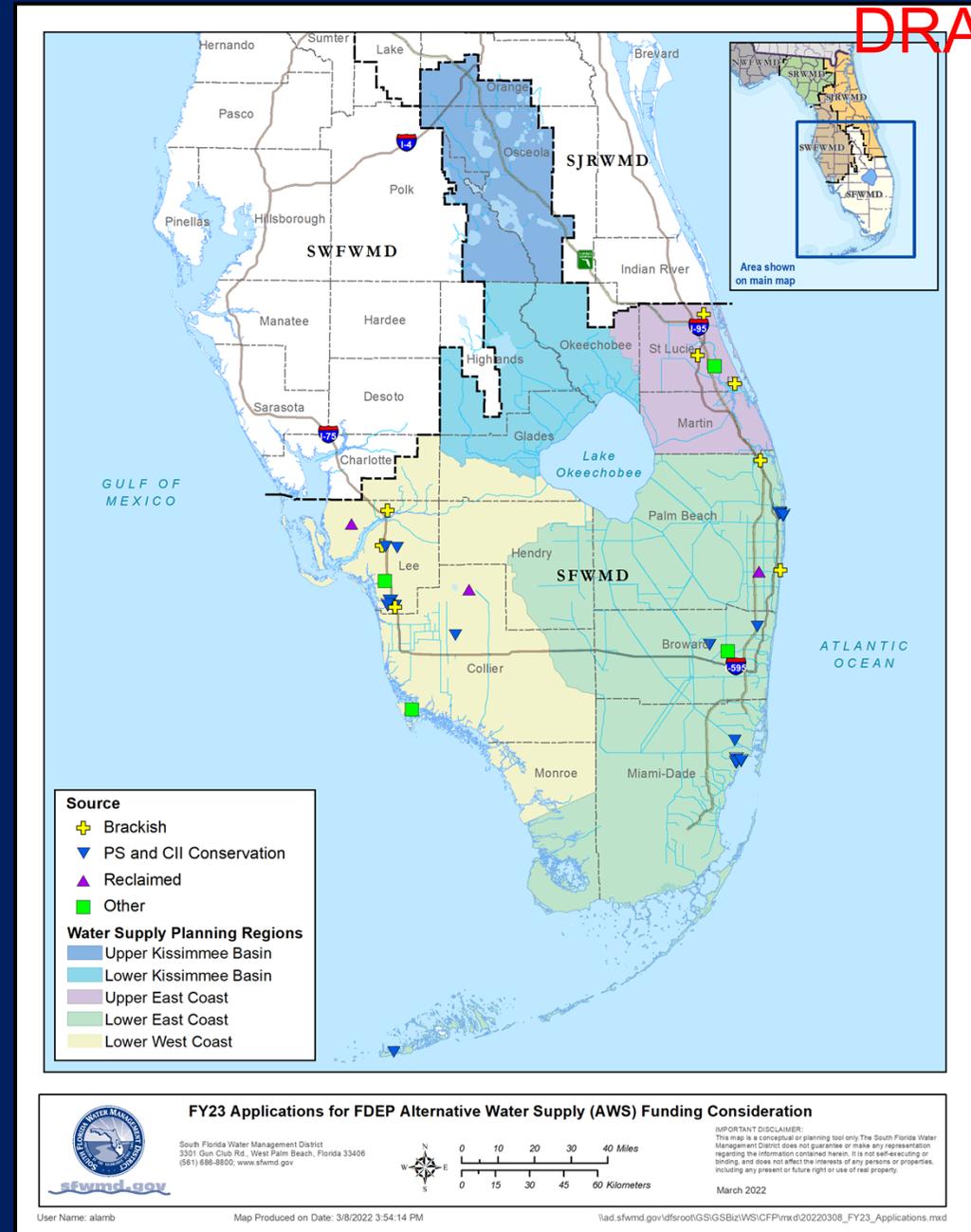
- Must be within the District boundaries or provide benefits to the District
- Must be an AWS or water conservation project
- Construction/implementation only
- Supports mission of the District and/or approved plan
- Prioritize regional projects based on resource areas
- Consider Year-round irrigation ordinance status



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# Fiscal Year 2022-2023 FDEP AWS Funding

- Two Zoom webinars in January
- SFWMD application
  - December 1, 2021 – March 1, 2022
  - 27 applications received
    - 15 Alternative Water Supply
    - 12 Water Conservation



# Exhibit A

Cooperating Entity	Project Name	County	Project Type	Total Capital/ Project Costs	DEP AWS Funding Request
Palm Beach County Water Utilities Department	Palm-Beach Broward Interconnect Phase 1A: South Reclaimed Water Transmission and System Extension (~3.6 miles) in southern Palm Beach County	Palm Beach	Reclaimed	\$52,000,000	\$3,500,000
Cape Coral, City of	North 1 Reclaimed Water Main Extension (~7.5 miles), Phase 1A	Lee	Reclaimed	\$8,157,749	\$1,382,200
Broward County Resilient Environment Department, Natural Resource Division	Conservation Pays High Efficiency Toilet Rebate on behalf of Broward Water Partnership	Broward	PS and CII Conservation	\$100,000	\$50,000
Bonita Springs Utilities, Inc.	Irrigation Residential Rebate Program	Lee	PS and CII Conservation	\$20,000	\$8,000
Broward County Water and Wastewater Services	High Efficiency Toilet Replacement Credit Program	Broward	PS and CII Conservation	\$60,000	\$25,500
RLJ Lodging Trust	Cooling Tower Optimization – Double Tree Hotel Key West	Monroe	PS and CII Conservation	\$33,500	\$16,750
Bonita Springs Utilities, Inc.	High Efficiency Toilet Rebate Program	Lee	PS and CII Conservation	\$50,000	\$20,000
West Palm Beach, City of	Community Water Conservation Strategies Phase IX – HET	Palm Beach	PS and CII Conservation	\$62,500	\$31,250
RLJ Lodging Trust	Cooling Tower Optimization – Embassy Suites Miami Airport	Miami-Dade	PS and CII Conservation	\$33,500	\$16,750
Broward County Resilient Environment Department, Natural Resources Division	High Efficiency Toilet Retrofit Program – Low/moderate Income	Broward	PS and CII Conservation	\$20,000	\$10,000

mgd = million gallons per day

PS = Public Supply

LR = Landscape/Recreation

CII = Commercial/Industrial/Institutional

# Exhibit A

Cooperating Entity	Project Name	County	Project Type	Total Capital/ Project Costs	DEP AWS Funding Request
Palm Beach County Water Utilities Department	Green Cay Wetlands 2 mgd Indirect Potable Reuse Project – Water Purification Treatment Plant, ~2.3 miles of Reclaimed Water Main, and 4 Surficial Aquifer System Wells	Palm Beach	Reclaimed	\$78,500,000	\$5,000,000
Pelican’s Nest Golf Club	Pelican’s Nest Golf Course Irrigation Retrofit	Lee	LR Conservation	\$2,025,000	\$100,000
Reflection Isles Master Association, Inc.	Reflection Isles Irrigation Retrofit	Lee	LR Conservation	\$364,420	\$100,000
Gateway Greens Community Association	Gateway Greens Irrigation Control System Retrofit	Lee	LR Conservation	\$400,000	\$100,000
St. Lucie County BOCC	North County Reverse Osmosis Water Treatment Plant – Floridan Aquifer System Wells PW-2 and PW-3	St. Lucie	Brackish	\$7,600,000	\$2,500,000
Bonita Springs Utilities, Inc.	Reverse Osmosis Water Treatment Plant 4 mgd (Phase 3) Expansion – RO Membranes, Floridan Aquifer Wells 43, 44, 49, 50, 52, and 53 and Raw Water Mains	Lee	Brackish	\$19,100,000	\$8,650,000
Lee County Utilities	North Lee County Water Treatment Plant and Wellfield Expansion Phase 3	Lee	Brackish	\$40,147,310	\$6,458,300
Gulf Stream Golf Club	Gulf Stream Golf Club Reverse Osmosis Water Treatment System and Floridan Aquifer System Well	Palm Beach	Brackish	\$2,500,000	\$1,150,000
Fort Myers, City of	Eastwood Floridan Aquifer System Wells S-3, S-4, and S-5 and Raw Water Mains	Lee	Brackish	\$77,200,000	\$5,000,000
Martin County Utilities	North Reverse Osmosis Water Treatment Plant Floridan Aquifer System Well NRO-5 and Raw Water Main	Martin	Brackish	\$3,600,000	\$1,800,000

mgd = million gallons per day

PS = Public Supply

LR = Landscape/Recreation

CII = Commercial/Industrial/Institutional

# Exhibit A

Cooperating Entity	Project Name	County	Project Type	Total Capital/ Project Costs	DEP AWS Funding Request
Jupiter Utilities, Town of	Floridan Aquifer System Wells RO-14, RO-15, and RO-16 Wellheads, Piping, and Appurtenances	Palm Beach	Brackish	\$11,393,217	\$1,220,000
Port St. Lucie, City of	James E. Anderson Water Treatment Facility Expansion Phase III – Floridan Aquifer System Well F-37 and 30-inch Raw Water Main	St. Lucie	Brackish	\$16,500,000	\$3,750,000
Immokalee, City of	Reclaimed Water System 2 mgd Expansion, Phase 1 – WWTP upgrades and 4,600 linear feet of Transmission Main to Williams Ranch	Collier	Reclaimed	\$3,400,000	\$1,500,000
<b>Totals for Resolution A and B – eligible for state appropriations</b>				<b>\$323,267,196</b>	<b>\$42,388,750</b>
Marco Island, City of	Brackish Raw Water Transmission Main Replacement between Floridan Aquifer System Wells #17 and #19	Collier	Other	\$488,730	\$0
Port St. Lucie, City of	Prineville Reverse Osmosis Water Treatment Plant Concentrate Deep Injection Well IW-2	St. Lucie	Other	\$13,879,942	\$0
Estero, Village of	Estero Bay Village, Cypress Bend, and Sunny Groves Septic to Sewer Conversion for Reclaimed Water	Lee	Other	\$1,462,962	\$0
Sunrise, City of	Advanced Metering Improvements	Broward	Other	\$13,519,723	\$0
<b>Total of projects not eligible for state appropriations</b>				<b>\$29,351,357</b>	<b>\$0</b>

mgd = million gallons per day

PS = Public Supply

LR = Landscape/Recreation

CII = Commercial/Industrial/Institutional

# Resolution A

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into agreement(s) with cooperating entities for alternative water supply and water conservation projects with dedicated state appropriations from the 2022 General Appropriations and delegating authority to the Executive Director to execute the agreement(s) for identified projects listed in Exhibit A that receive state appropriations.

# Resolution B

A Resolution of the Governing Board of the South Florida Water Management District to approve and authorize submittal of the final project list to the Florida Department of Environmental Protection for the purpose of funding consideration for projects listed in Exhibit A for the DEP Alternative Water Supply Grant Program in dedicated state appropriations from the 2022 State General Appropriations Act.

# Thank You



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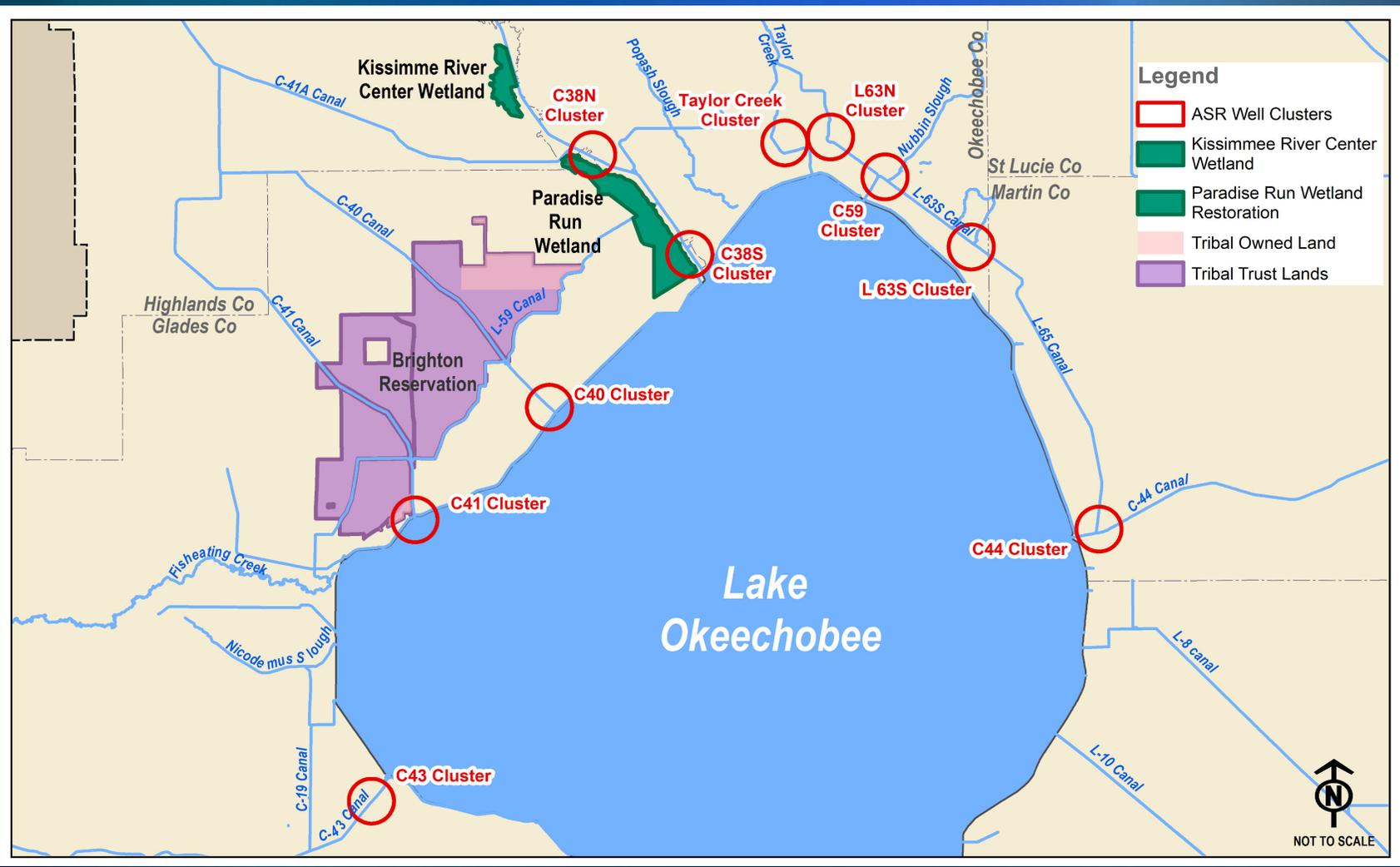
# Lake Okeechobee Watershed Restoration Project (LOWRP)

May 12, 2022

Jennifer Reynolds,  
Division Director –  
Ecosystem Restoration  
& Capital Projects



# LOWRP Revised Recommended Plan (Alt ASR)



## ➤ Aquifer storage and recovery

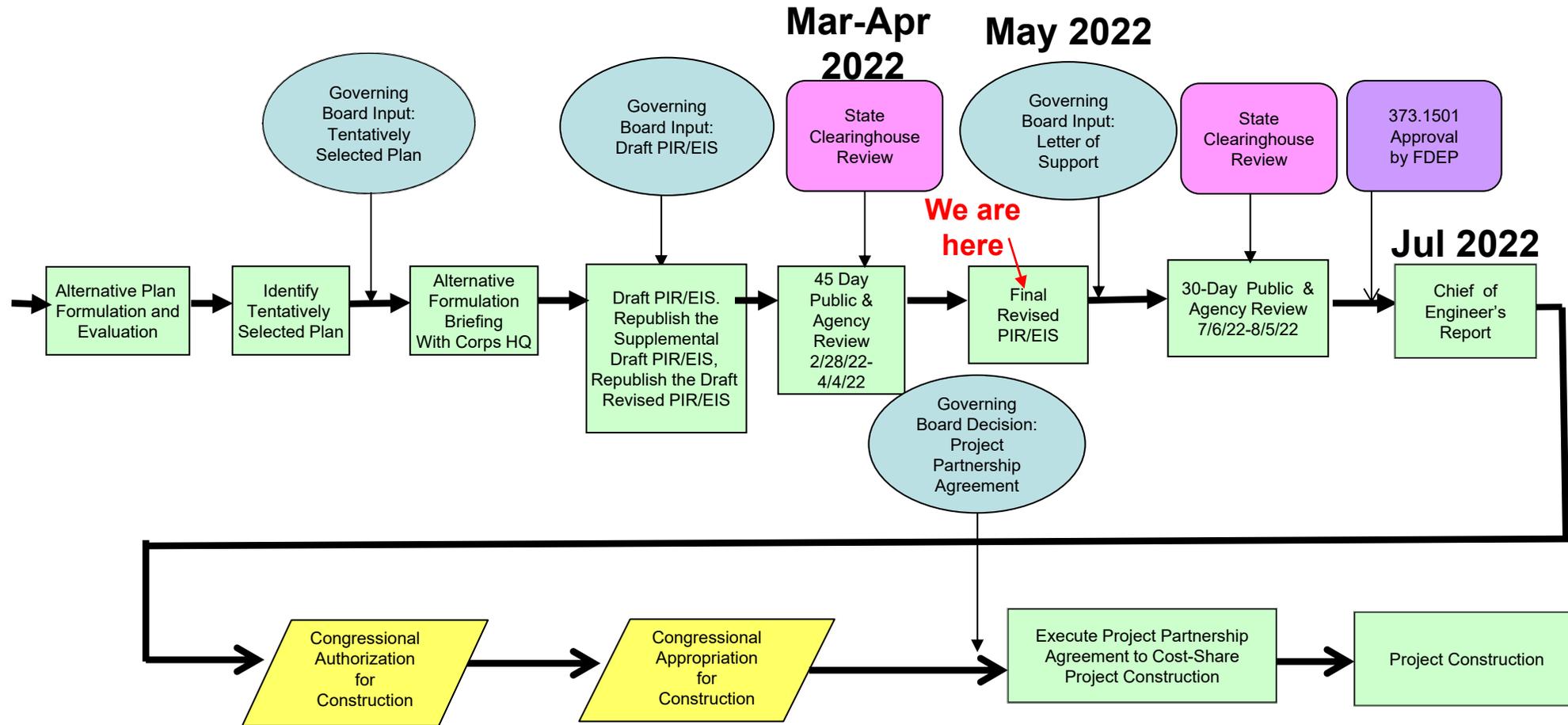
- 55 ASR wells
- 308,000 ac-ft of storage per year

## ➤ Wetland restoration

- Paradise Run ~ 4,700 acres
- Kissimmee River Center ~ 1,200 acres

# State Input and Decision Points During Corps Project Implementation Process

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# LOWRP State Implementation

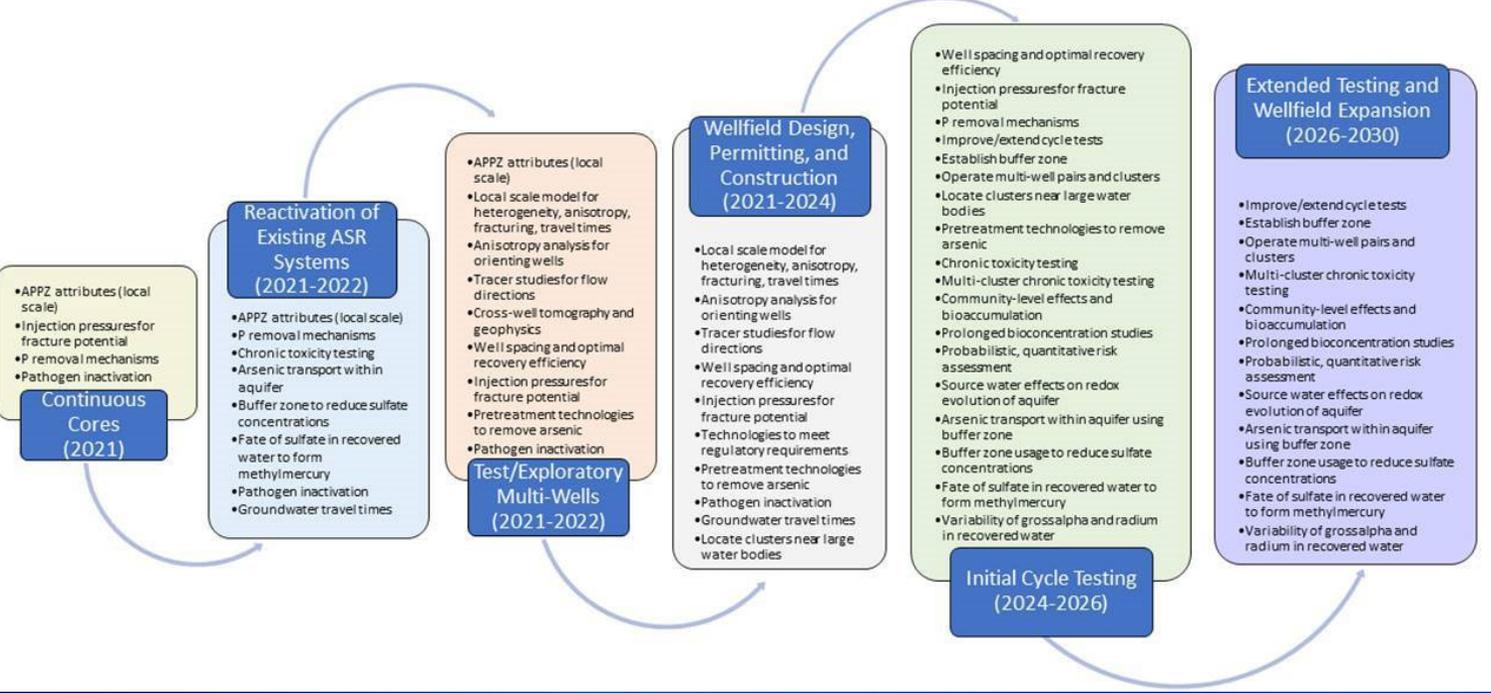
- **State Appropriations 1642A & Senate Bill 2516**
  - Received \$50M in FY19-20
  - Additional \$50M in FY20-21
  - Additional \$50M annual commitment
- **Incremental, phased approach being implemented in the Program and the specific watershed ASR projects prioritized for these State Appropriations**
- **Address ASR uncertainties**

# ASR Cluster Implementation: Phased Approach

## ➤ Expansion of L63N Cluster

### ASR Phased Implementation as Recommended by the National Research Council

Initial ASR Well Clusters

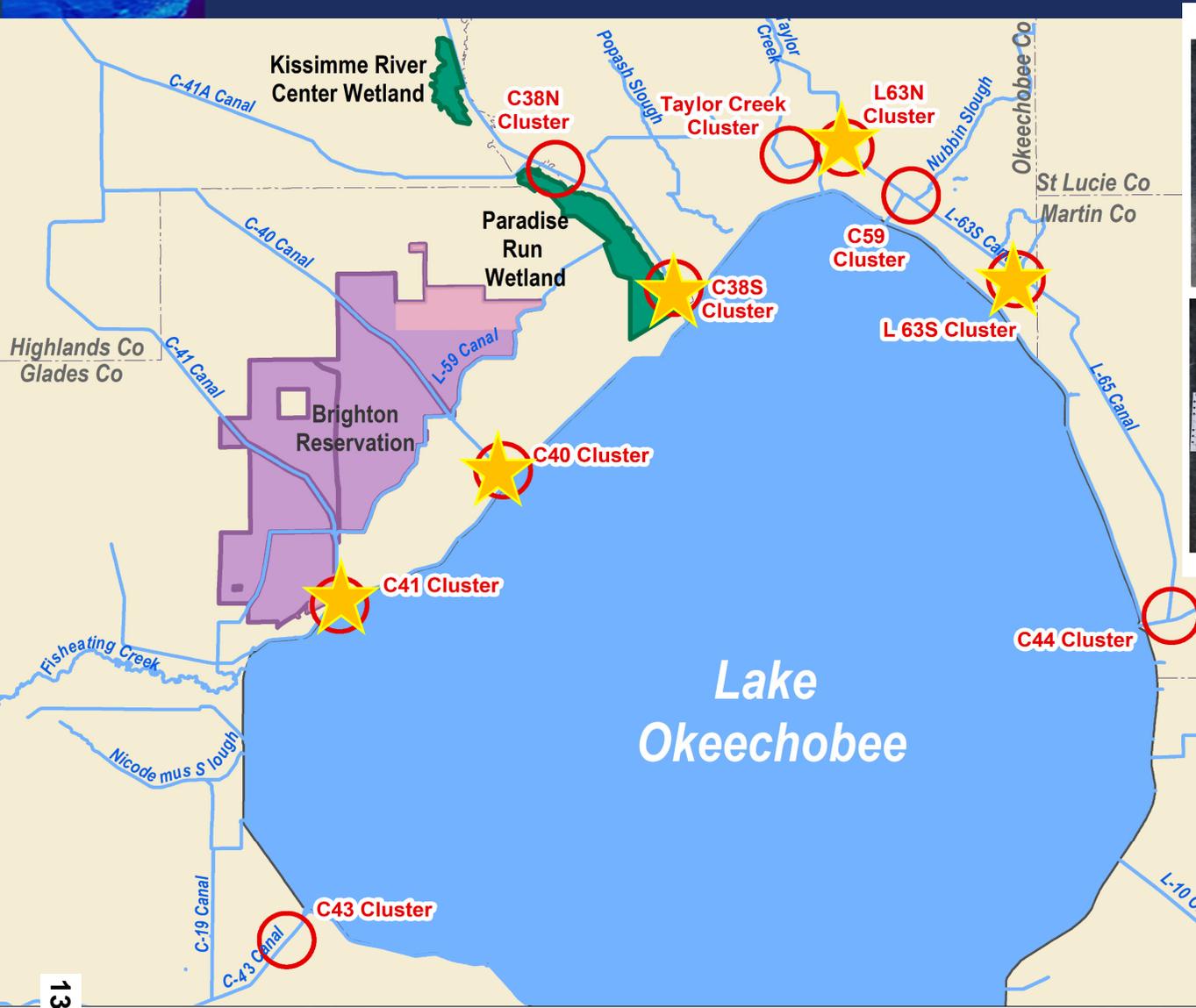


## ➤ Reactivate KRASR Well

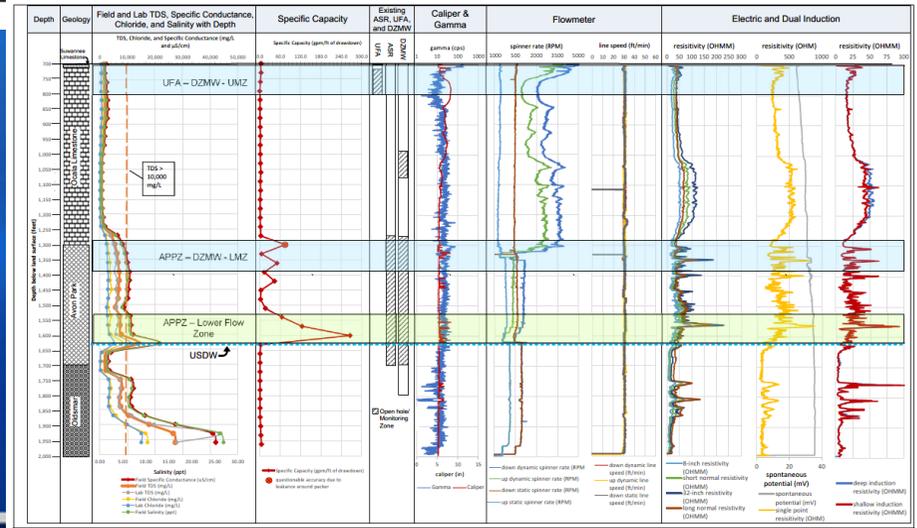


DRAFT

# Continuous Coring and Monitoring Well Program

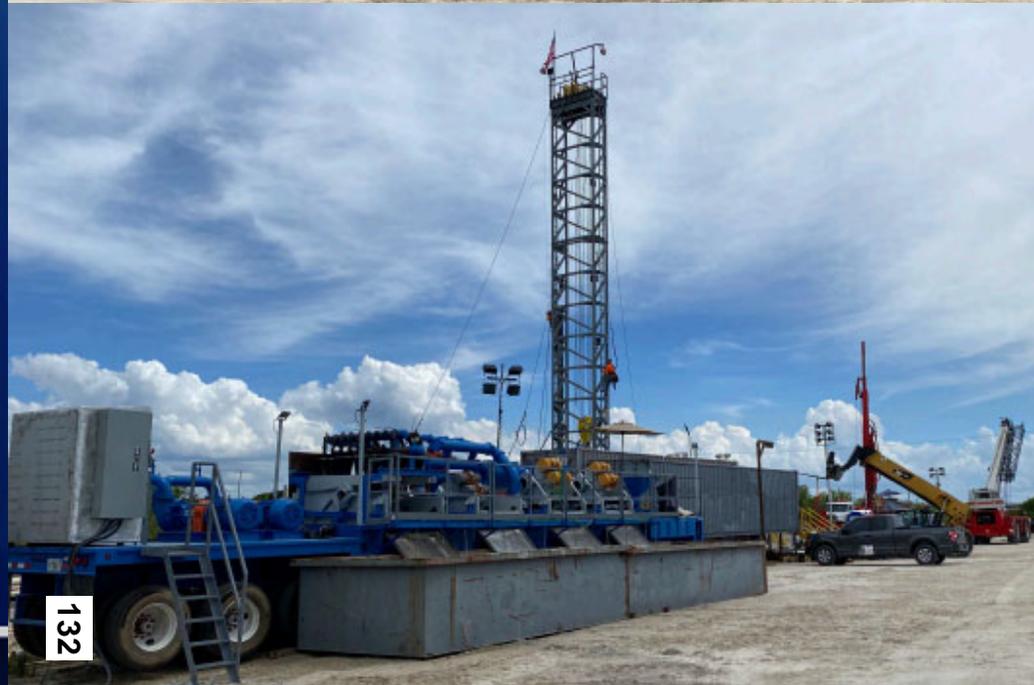


1,300' - 1,400'



# Test/Exploratory Wells at C38N and C38S

DRAFT



132

# Treatment Technology Evaluation



Proof of Concept Testing



Water Samples - Raw and Treated

# ASR Implementation Schedule and Near-Term Next Steps

DRAFT

LOWRP ASR Program Implementation	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
<b>L63N Well Cluster Site</b>											
Well Construction (5 wells + 1 existing APPZ well)	SITING	CORE/DATA	TEST WELLS 1&2	TEST WELLS 3&4	TEST WELLS 5						
Treatment Plant				DESIGN, PERMITTING & CONSTRUCTION							
Testing and Operations							CYCLE TESTING			O&M	
Science Plan Tasks			SCIENCE PLAN								
<b>C38N Well Cluster Site</b>											
Well Construction (10 wells)	SITING	TEST WELLS 1&2	TEST WELLS 3&4	TEST WELLS 5&6	TEST WELLS 7&8	TEST WELLS 9&10					
Treatment Plant			DESIGN, PERMITTING & CONSTRUCTION								
Testing and Operations							CYCLE TESTING			O&M	
Science Plan Tasks			SCIENCE PLAN								
<b>C38S Well Cluster Site</b>											
Continuous Core		CORE/DATA	CORE/DATA								
Well Construction (10 wells)	SITING	TEST WELLS 1&2	TEST WELLS 3&4	TEST WELLS 5&6	TEST WELLS 7&8	TEST WELLS 9&10					
Treatment Plant			DESIGN, PERMITTING & CONSTRUCTION								
Testing and Operations							CYCLE TESTING			O&M	
Science Plan Tasks			SCIENCE PLAN								
Existing KRASR Well Refurbishment		DESIGN & PERMITTING		CYCLE TESTING				O&M			
Science Plan Tasks for Existing KRASR		SCIENCE PLAN									
<b>C59 Well Cluster Site</b>											
Well Construction (4-10 wells)	SITING		DATA								
Science Plan Tasks			SCIENCE PLAN								
<b>L63S Well Cluster Site</b>											
Well Construction (4-10 wells)	SITING		CORE/DATA								
Science Plan Tasks			SCIENCE PLAN								
<b>Taylor Creek Well Cluster Site</b>											
Well Construction (4-10 wells)		SITING	DATA								
Science Plan Tasks			SCIENCE PLAN								
<b>C40 Well Cluster Site</b>											
Well Construction (4-10 wells)		SITING	CORE/DATA								
Science Plan Tasks			SCIENCE PLAN								
<b>C41 Well Cluster Site</b>											
Well Construction (4-10 wells)		SITING	CORE/DATA								
Science Plan Tasks			SCIENCE PLAN								
<b>C43 Well Cluster Site</b>											
Well Construction (4-10 wells)			DATA								
Science Plan Tasks											
<b>C44 Well Cluster Site</b>											
Well Cluster (4-10 wells)			DATA								
Science Plan Tasks											
<b>Estimated Costs:</b>	\$2,111,128	\$24,479,328	\$97,628,122	\$115,445,738	\$94,675,944	\$93,365,000	\$42,760,000	\$6,450,000	\$5,400,000	\$5,400,000	\$5,400,000

TOTAL: \$493,115,260

- SITING EVALUATION
- CORE & DATA COLLECTION
- TEST/EXPLORATORY WELLS
- DESIGN, PERMITTING & CONSTRUCTION
- CYCLE TESTING
- OPERATION & MAINTENANCE (O&M)
- SCIENCE PLAN

Blank - Will be scheduled when additional funding becomes available

## Near-Term Next Steps:

- Complete Proof-of-Concept Draft Report – May 2022 (Final Report in July 2022)
- Complete Continuous Core at the C38S site – July 2022
- Initiate Treatment Design of C38N and C38S well cluster sites – July 2022
- Initiate first set of Test Wells at L63N – To be awarded in July 2022
- Complete Construction of first set of Test Wells at C38N and C38S sites – Aug 2022
- Aquifer Pump Tests at C38N and C38S sites – Sept 2022
- Request for Proposal for Drilling Contractors – To be awarded in Oct 2022
- Request for Proposal for Treatment Technology Vendors – To be awarded in Dec 2022



Staff will prepare and send a letter of support to accompany the Project Implementation Report for the Lake Okeechobee Watershed Restoration Project

# Board Input

[www.sfwmd.gov/lowrp](http://www.sfwmd.gov/lowrp) or [www.sfwmd.gov/asr](http://www.sfwmd.gov/asr)

# NORTHERN EVERGLADES AND ESTUARIES PROTECTION PROGRAM

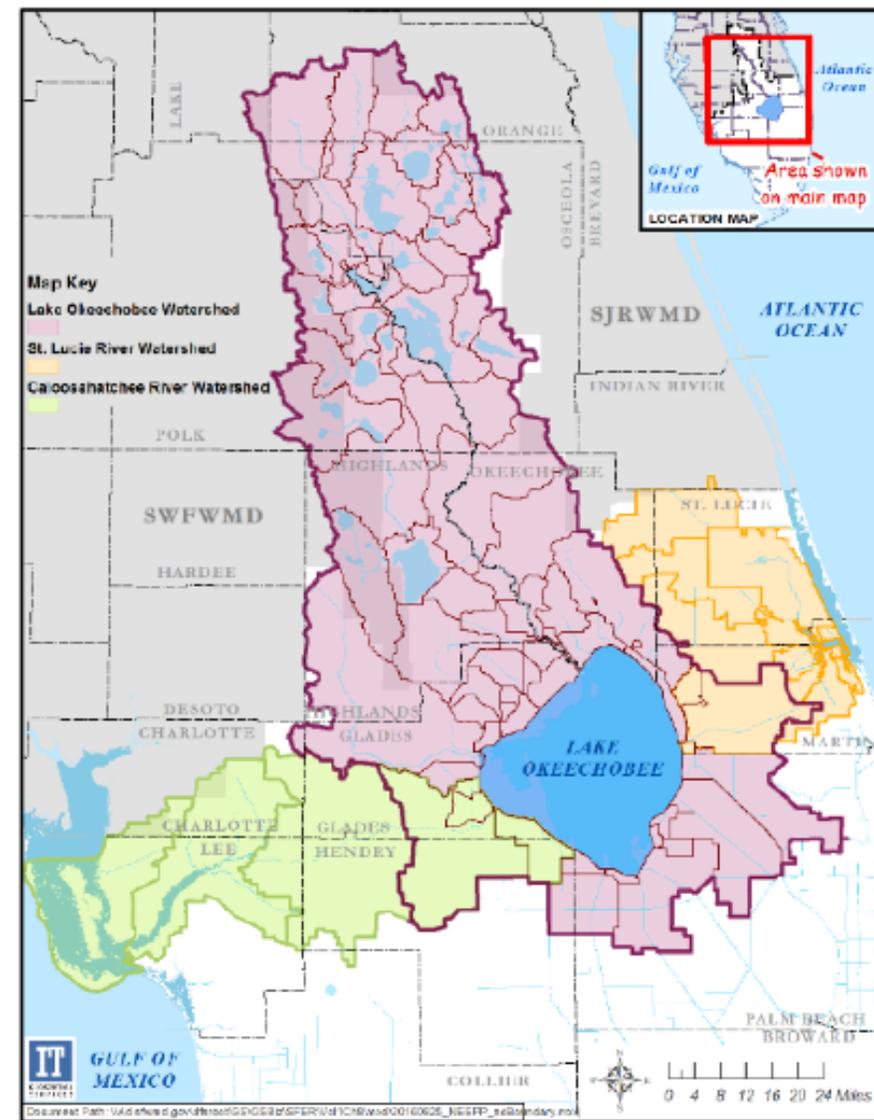
Jennifer Reynolds, Director  
Ecosystem Restoration & Capital Projects  
South Florida Water Management District  
Governing Board Meeting  
May 12, 2022



# Northern Everglades and Estuaries Protection Program (NEEPP)

DRAFT

- Purpose: Protect and restore surface water resources by improving hydrology and water quality for the Northern Everglades ecosystem 373.4595(1)(c), F.S.



# Interagency Coordination

## ➤ FDEP:

- Basin Management Action Plans (BMAP)
- Best Management Practices (BMP) enforcement

## ➤ FDACS:

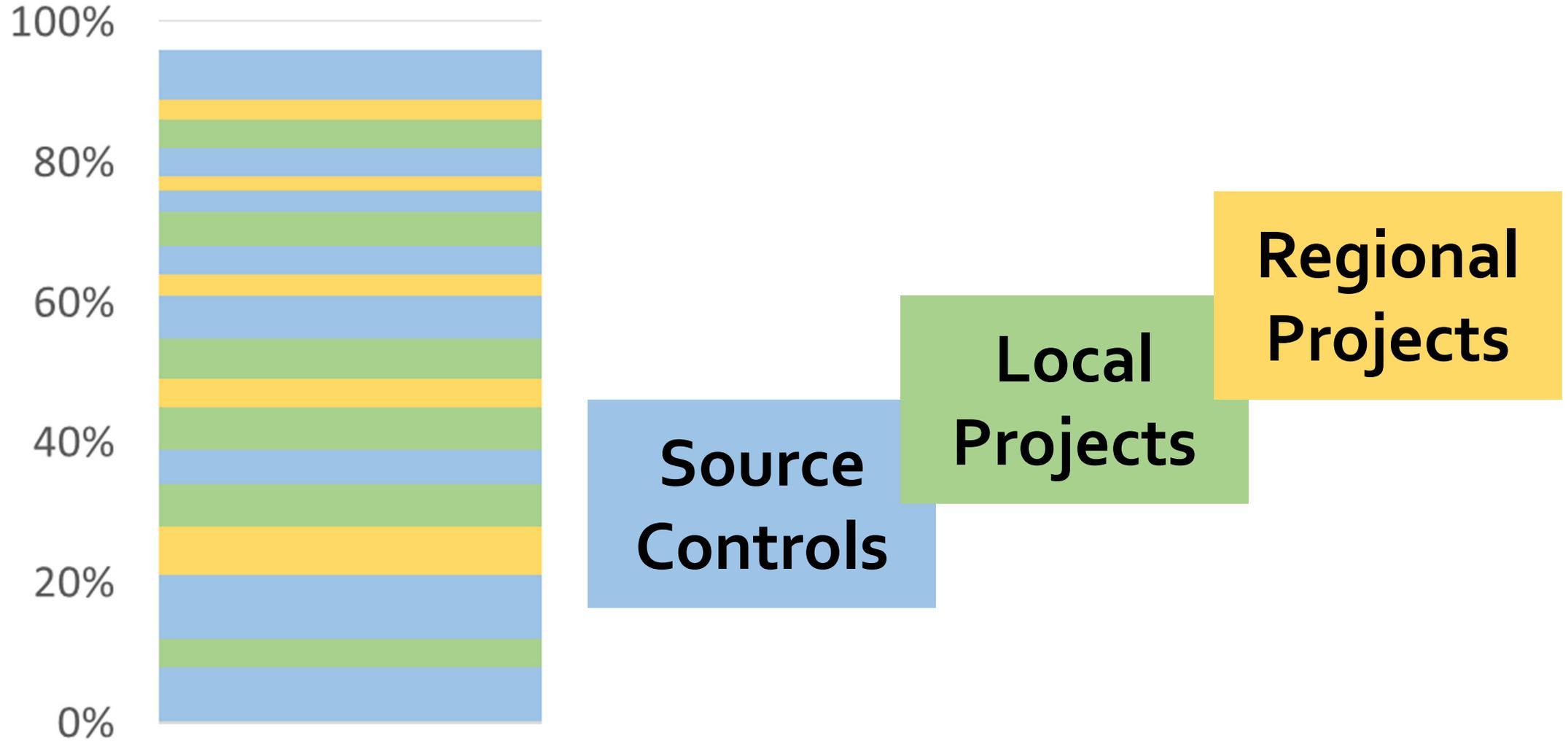
- BMP enrollment, verification and updates

## ➤ SFWMD:

- Watershed Protection Plans (WPP) and projects
- Research and water quality monitoring

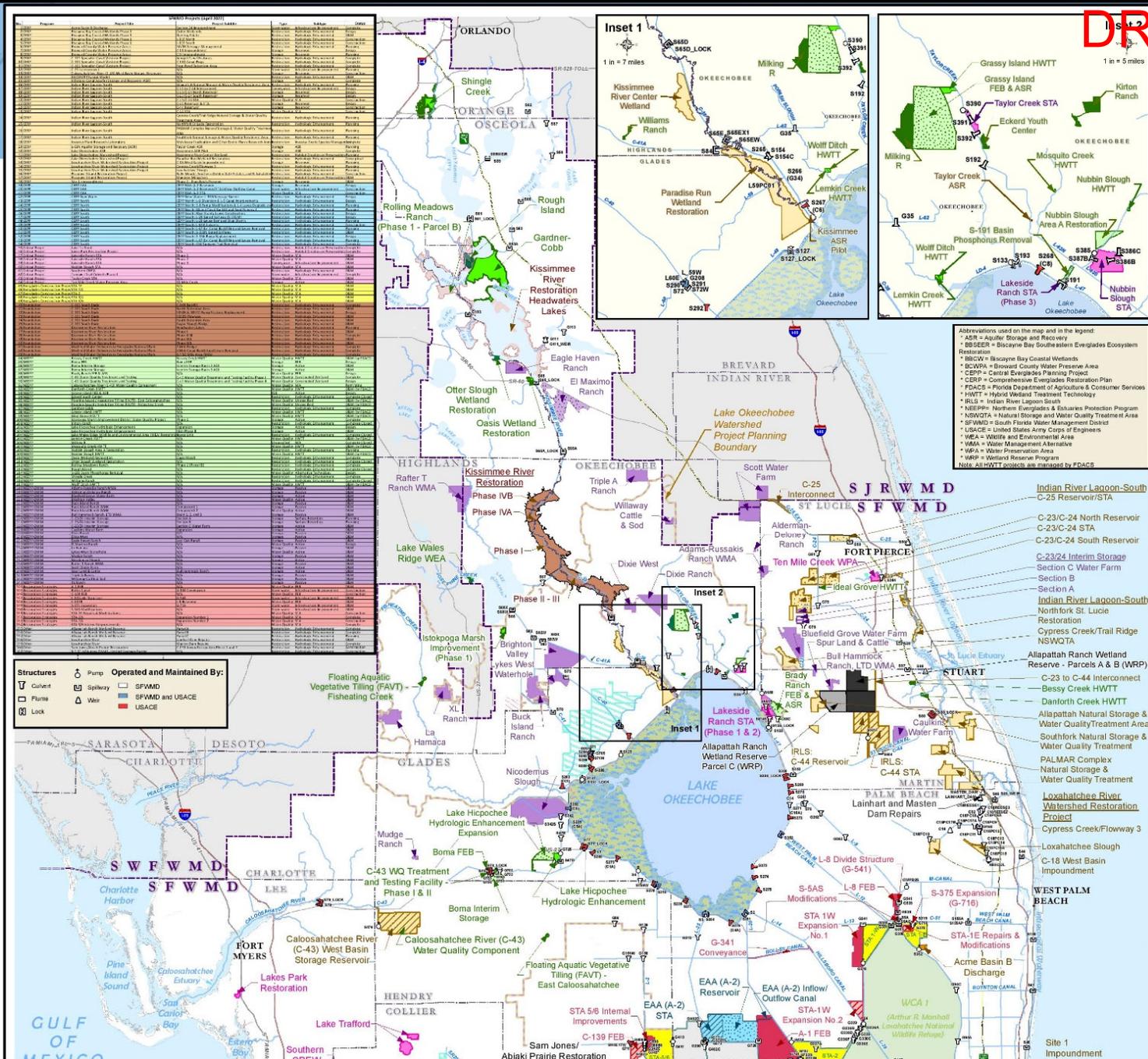


# Nutrient Reduction



# Restoration Projects

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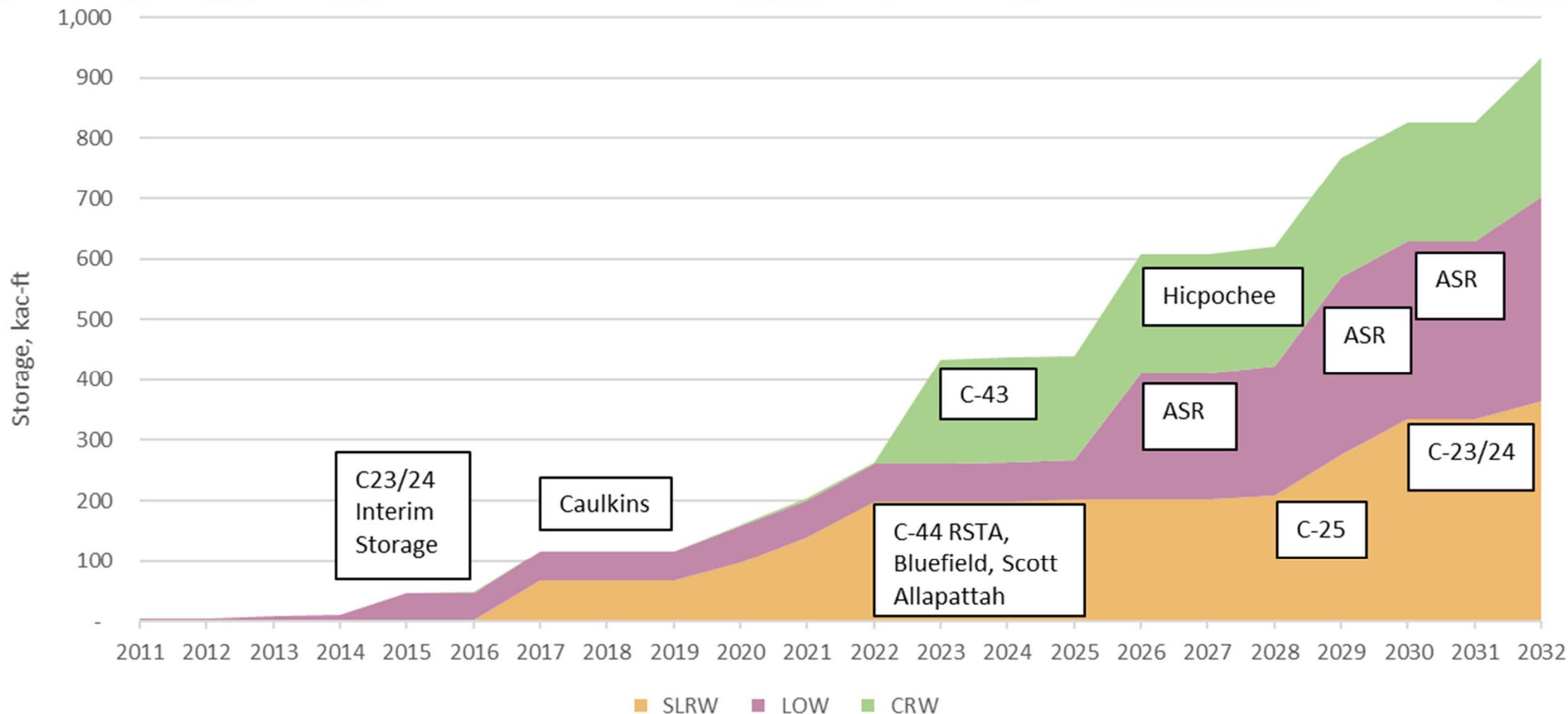


# Watershed Targets

	Storage (ac-ft/yr)	TP Load (5-Year Avg) (t/yr)	TN Load (5-Year Avg) (t/yr)
<b>LOW</b>	900,000- 1,300,000	140	NA
<b>SLRW</b>	200,000	183	478
<b>CRW</b>	400,000	NA	413

- Storage targets determined by SFWMD technical or protection plans
- Nutrient targets determined by FDEP Total Maximum Daily Loads (TMDLs)

# Project Storage by Watershed



# Watershed Storage Summary

Basin	Target (ac-ft/yr)	Current Storage (ac-ft/yr)	Planned Project Storage (ac-ft/yr)	Additional Storage Needed (ac-ft/yr)
LOW	900,000- 1,300,000	62,000	277,000	561,000
SLRW	200,000	199,000	165,000	0
CRW	400,000	3,200	228,000	169,000

# Watershed TP Summary

Basin	TMDL TP Target***	2022 SFER 5-Year Avg TP Load (t/yr)	Completed & Ongoing BMAP Project Estimates (t/yr)	Additional SFWMD Projects to be included (t/yr)**
LOW	105*	536*	95	55
SLRW	0.081 mg/L @ US <sub>1</sub>	292 (68 from Lake O)	98	73
CRW	NA	379 (106 from Lake O)	35	12

\* Does not include 35 t/yr attributed to atmospheric deposition directly on the lake

\*\* Ongoing and planned projects

\*\*\* Estuary TMDLs are dependent on also achieving the Lake Okeechobee TMDL

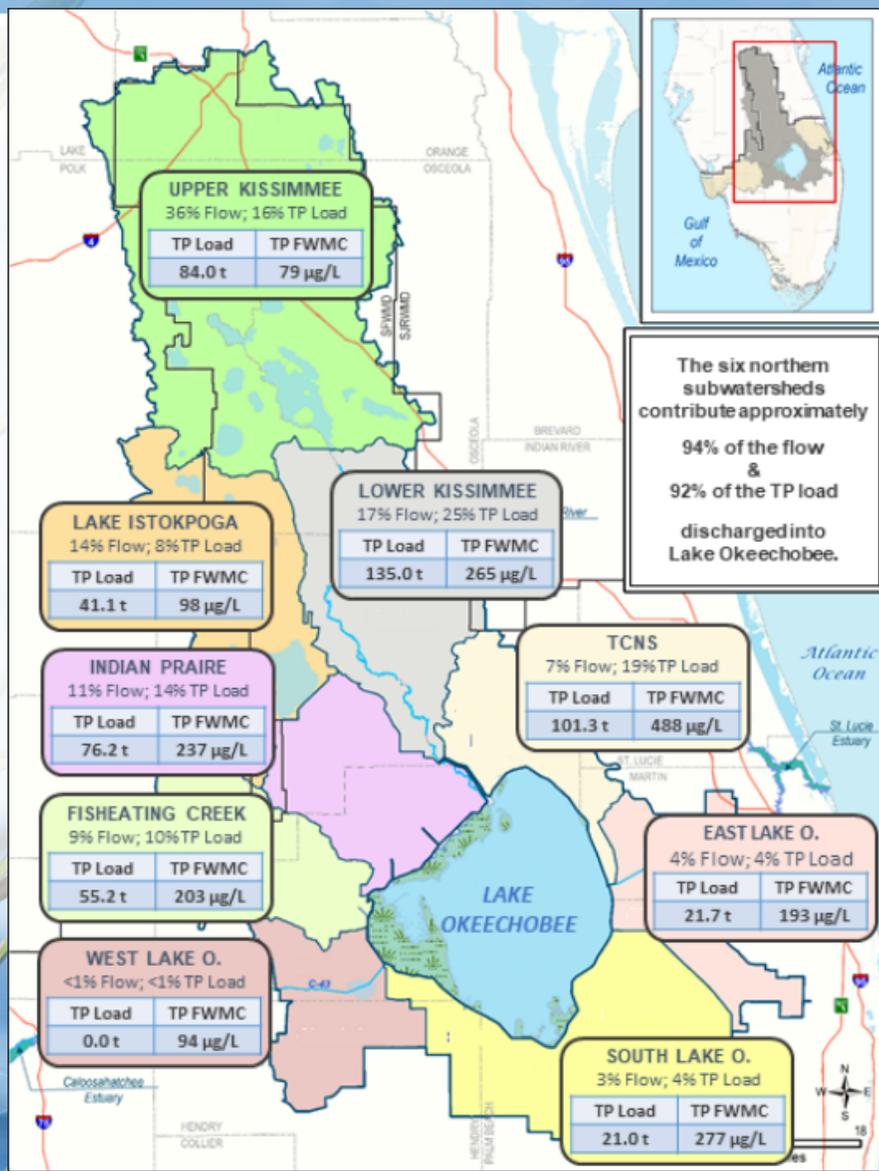
# Watershed TN Summary

Basin	TMDL TN Target**	2022 SFER 5-Year Avg TN Load (t/yr)	Completed & Ongoing BMAP Project Estimates (t/yr)	Additional SFWMD Projects to be included (t/yr)*
LOW	NA	4,733	437	149
SLRW	0.720 mg/L @ US <sub>1</sub>	1,670 (579 from Lake O)	368	227
CRW	23% Reduction	3,647 (1,299 from Lake O)	321	46

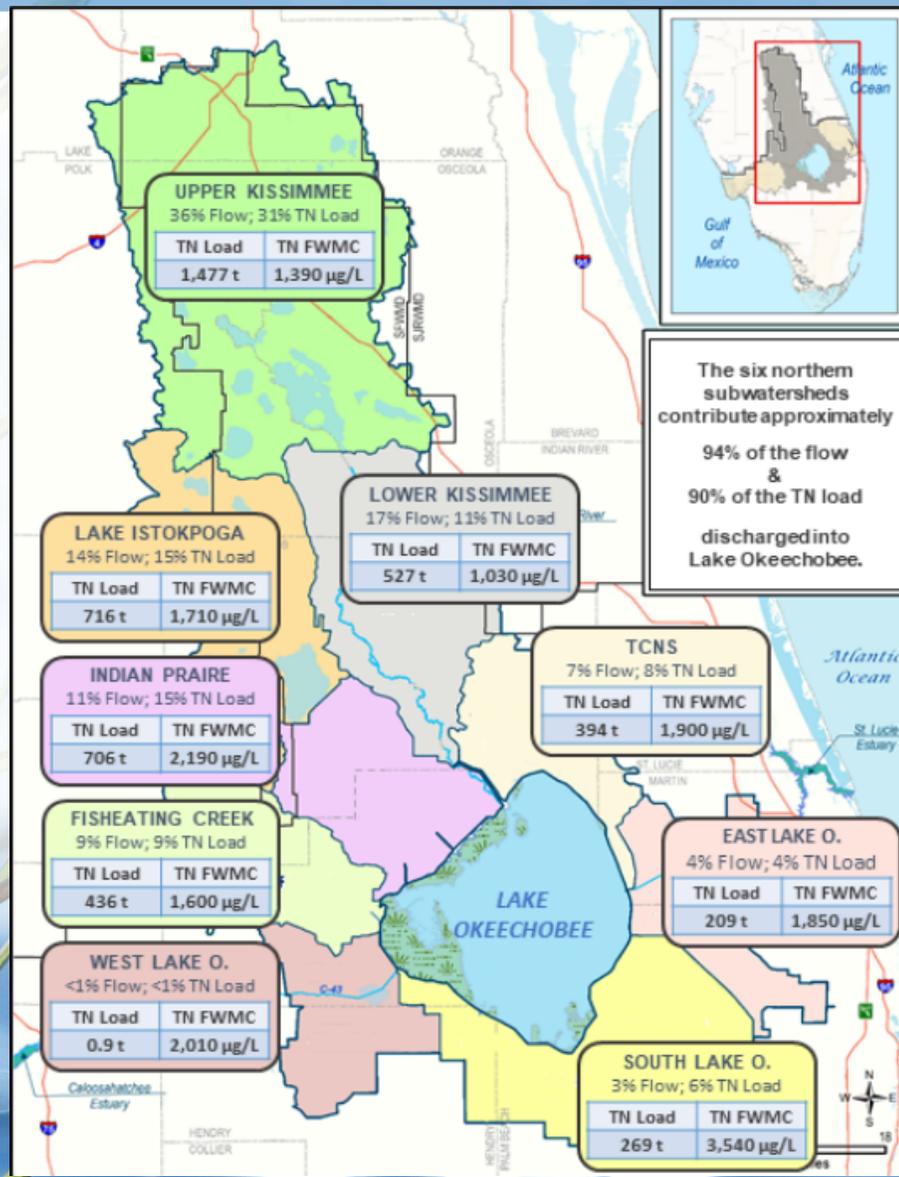
\* Ongoing and planned projects

\*\* Estuary TMDLs are dependent on also achieving the Lake Okeechobee TMDL

# LOW Basin TP Contributions 5-Year Annual Average (WY2017-WY2021)

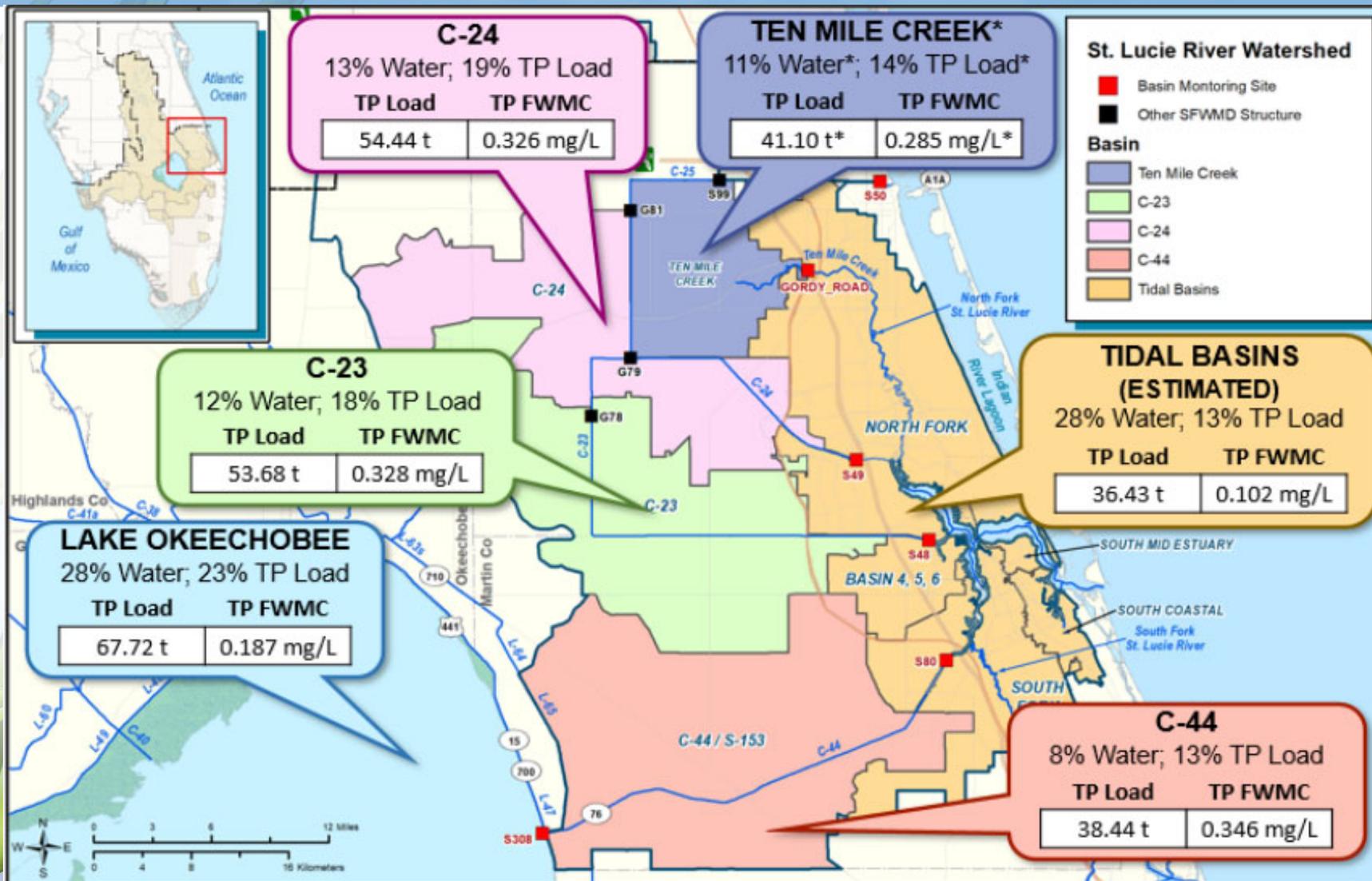


# LOW Basin TN Contributions 5-Year Annual Average (WY2017-WY2021)

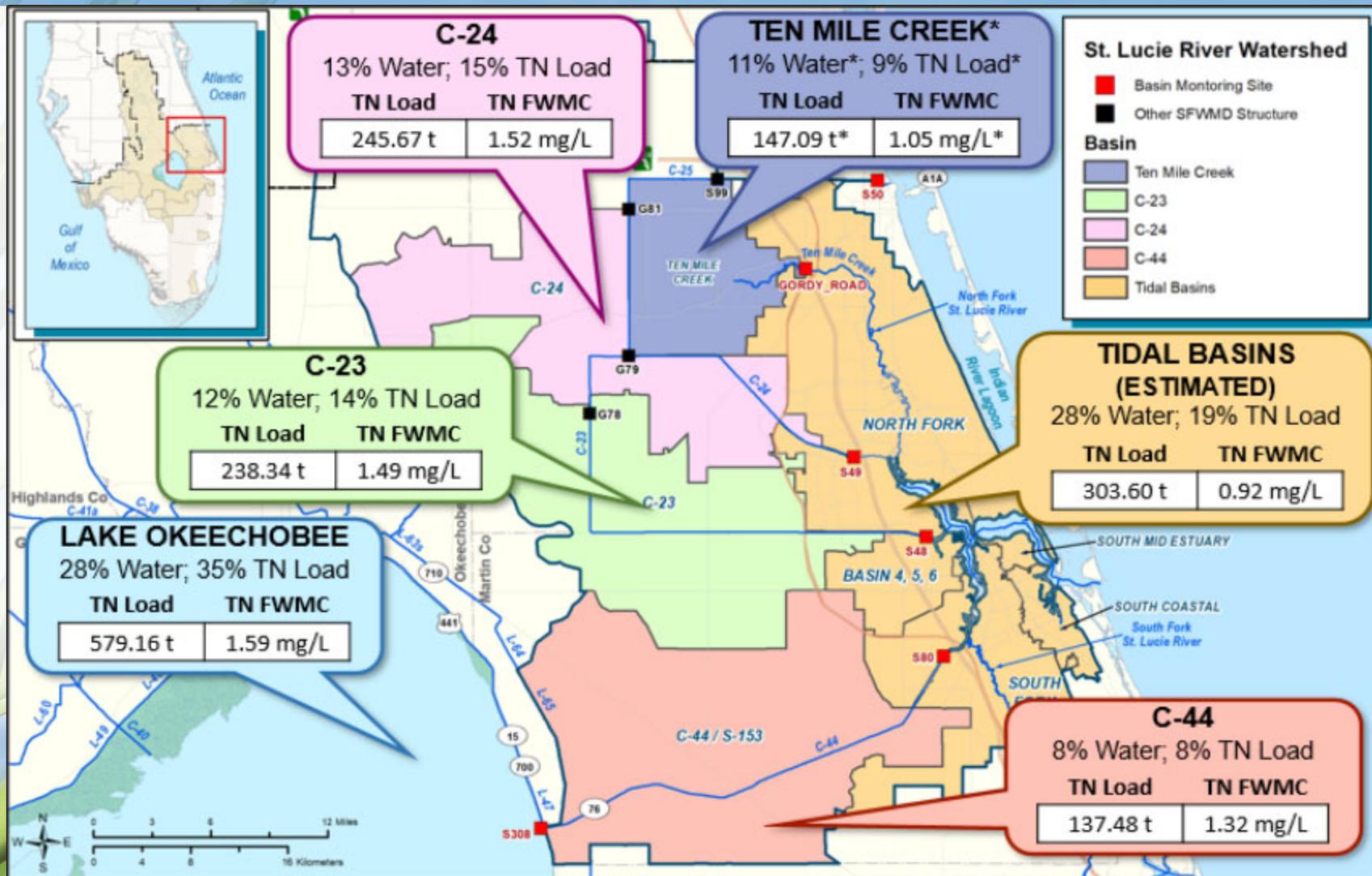


# SLRW Basin TP Contributions

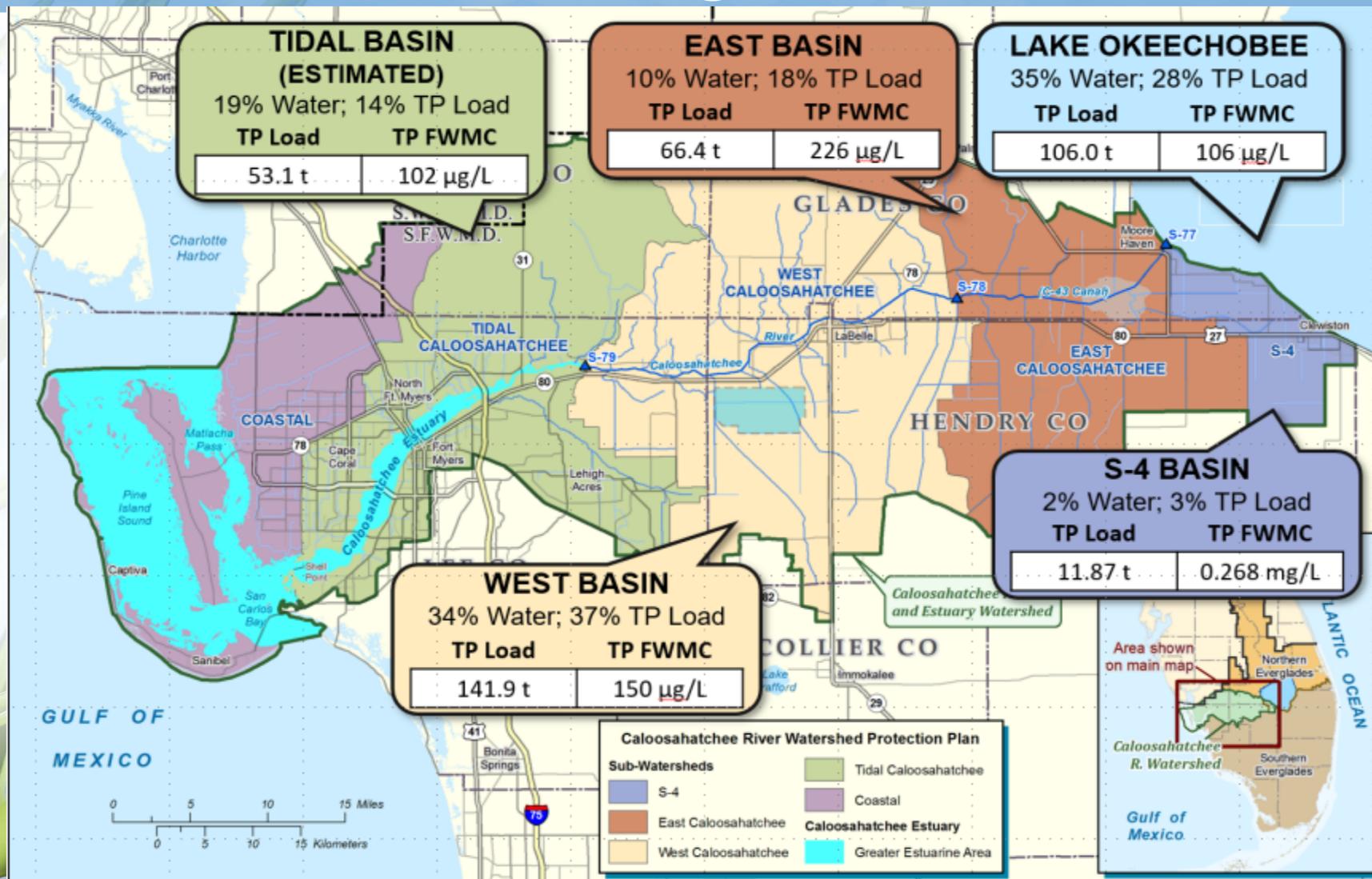
## 5-Year Annual Average (WY2017-WY2021)



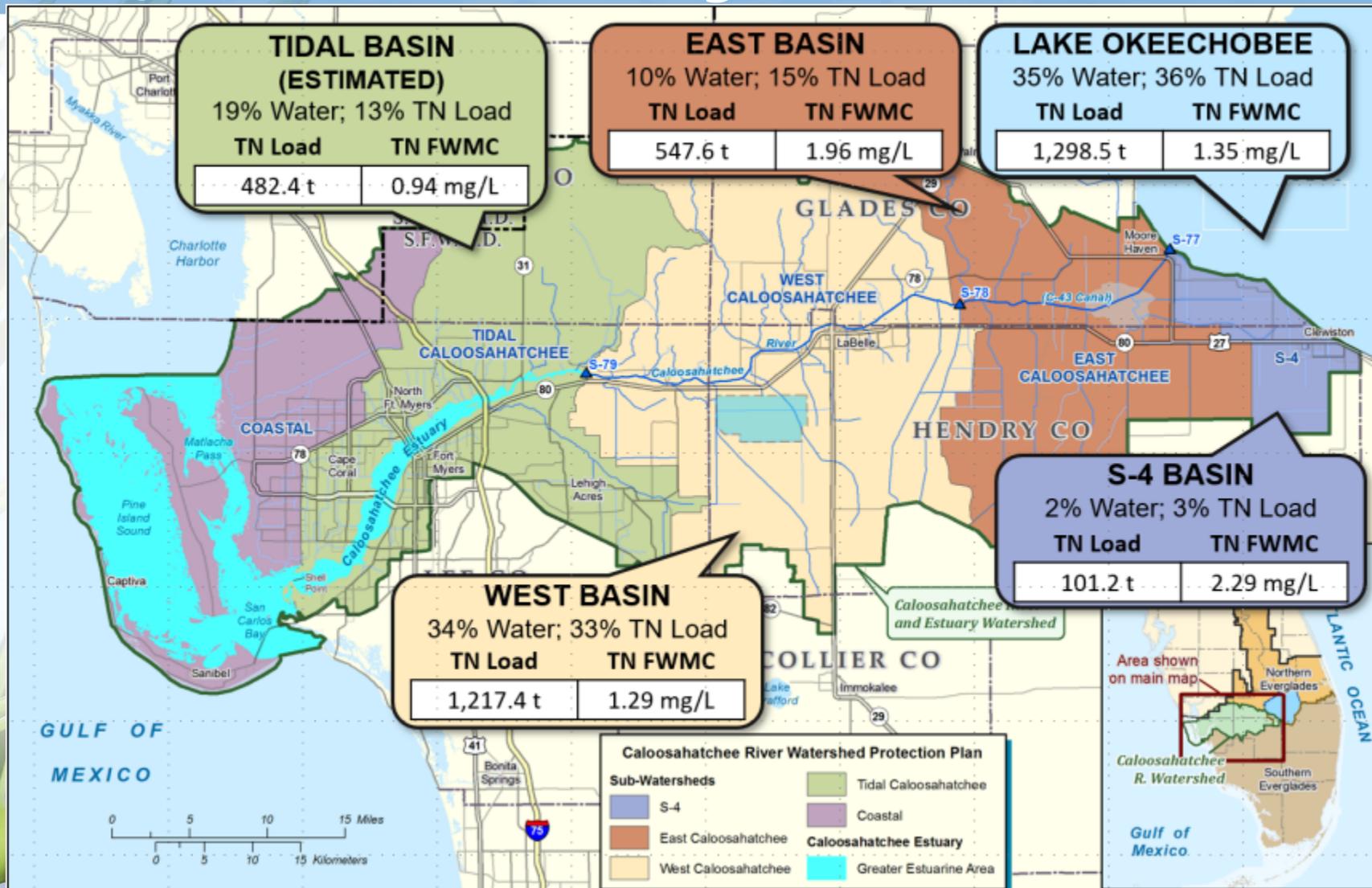
# SLRW Basin TN Contributions 5-Year Annual Average (WY2017-WY2021)



# CRW Basin TP Contributions 5-Year Annual Average (WY2017-WY2021)



# CRW Basin TN Contributions 5-Year Annual Average (WY2017-WY2021)



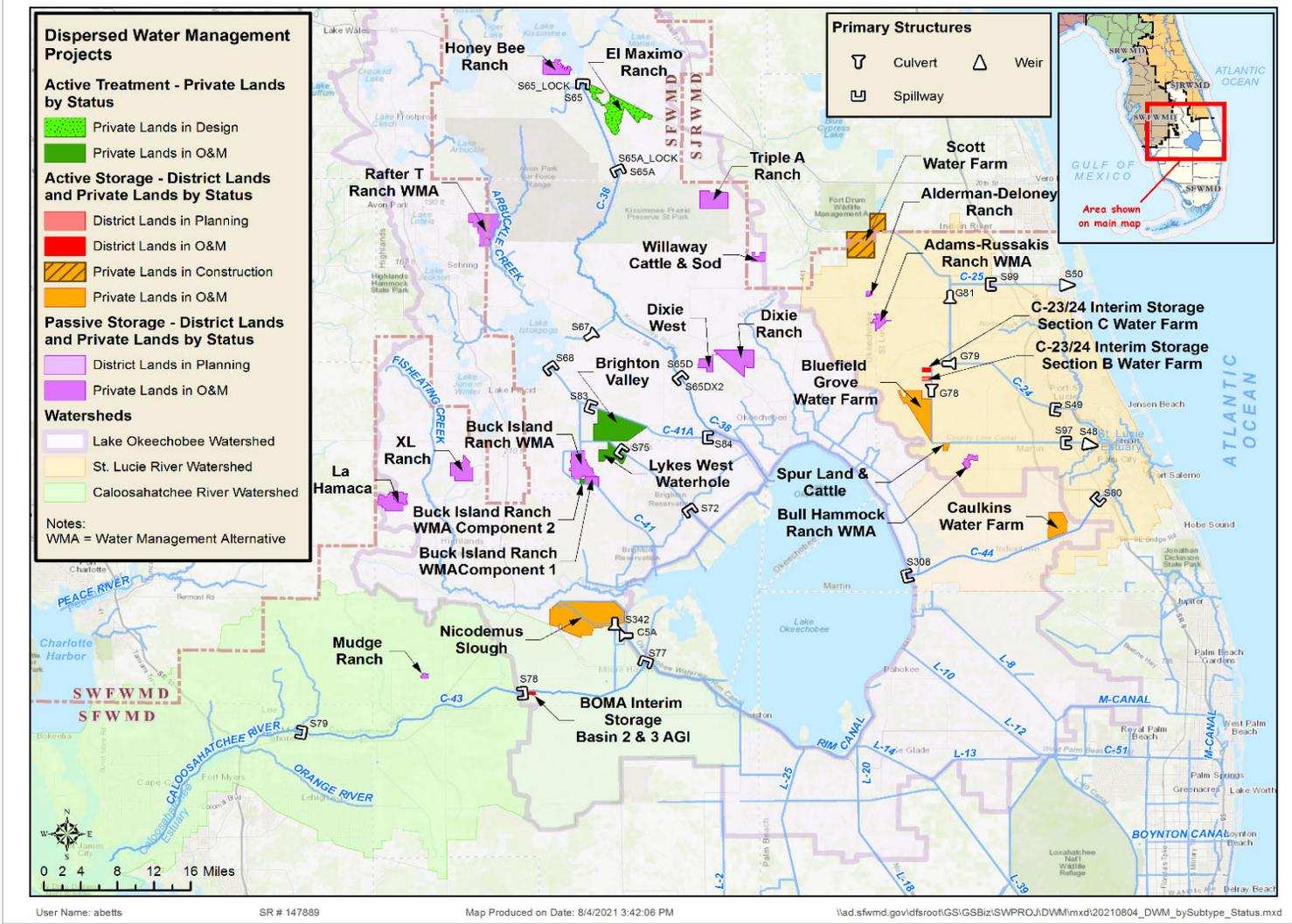
# NORTHERN EVERGLADES WATERSHEDS WATER RETENTION AND NUTRIENT LOAD REDUCTION PROJECTS

Megan Jacoby, Bureau Chief  
Everglades & Estuaries Protection  
South Florida Water Management District  
Governing Board Meeting  
May 12, 2022



# NEEPP Projects on Private Lands

- Current Program:
  - 24 NEEPP projects on private lands
  - ~78,000 acres
  - ~200,000 acre-feet of estimated storage (design estimates)
  - ~33 mt/yr of estimated TP removal (design estimates)



# Solicitation Purpose



Inflow at Lykes West Waterhole

- Renew performing projects
- Improve/ expand existing projects
- Negotiate contracts for new projects
- Leverage funding opportunities efficiently
- Consolidates multiple Dispersed Water Management Programs

# Technical Evaluations

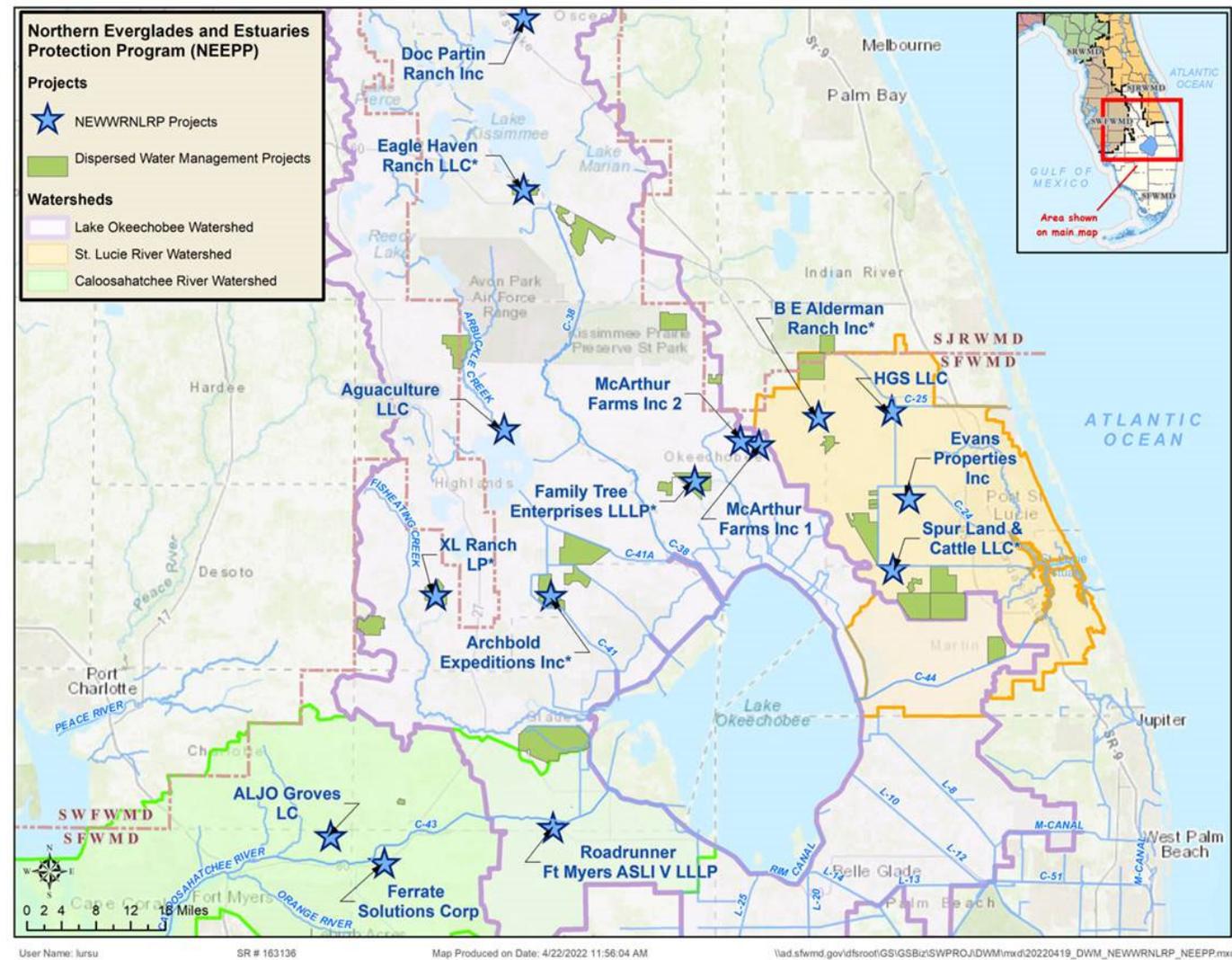
Selection committee evaluated and scored projects based on:

- Project Location
- Cost Effectiveness
  - Nutrient Reduction
  - Storage
- Maximized Assurances
- Ease of Implementation

 <b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT REQUEST FOR PROPOSALS (RFP)</b>	
<b>Proposals Must Be Submitted To The Following Address:</b> South Florida Water Management District Attn: Procurement Bureau B-1 Building, 2 <sup>nd</sup> Floor West 3301 Gun Club Road West Palm Beach, FL 33406 Note: Hand delivered Proposal packages may be dropped off at the B-1 Building, 1 <sup>st</sup> Floor	<b>NUMBER: RFP 6000001289</b> <b>ISSUE DATE: November 10, 2021</b> <b>PRE-PROPOSAL CONFERENCE</b> <b>Date: November 30, 2021</b> <b>Time: 10:00 A.M.</b> <b>Location: B-1 Auditorium; 3301 Gun Club Rd. or Via ZOOM - The following Link must be used to register in advance of this meeting <a href="https://sfwmd.gov.zoom.us/webinar/register/WN_dUmY-SHaRYeySUOySYuFeA">https://sfwmd.gov.zoom.us/webinar/register/WN_dUmY-SHaRYeySUOySYuFeA</a></b>
<b>TITLE: NORTHERN EVERGLADES WATERSHEDS WATER RETENTION AND NUTRIENT LOAD REDUCTION PROJECTS</b>	
<b>Purpose:</b> The purpose of this RFP is to solicit technical and cost proposals from qualified Respondents to implement water retention and nutrient load reduction projects that have the potential to assist in achieving Florida Department of Environmental Protection adopted Basin Management Action Plan (BMAP) goals for the Northern Everglades (NE) Watersheds.	
<b>A more complete description of the technical requirements is shown in Part 4 of this RFP.</b>	
<b>Inquiry Period: November 10, 2021 – December 13, 2021</b>  Inquiries will be received between the hours of 8:00 A.M. and 5:00 P.M. weekdays.	<b>Direct All Inquiries to:</b>  <b>Procurement: Jose Esquivel, Contract Specialist</b> <b>Telephone No: (561) 682-2119</b> <b>E-Mail: <a href="mailto:jesquive@sfwmd.gov">jesquive@sfwmd.gov</a></b> <b>Fax No: (561) 682-5117</b>  Note: All technical inquiries must be submitted in writing via Fax or E-Mail.
<b>Deadline For RFP Submission:</b> <b>January 14, 2022 – 2:30 P.M.</b>	
<b>1 Original and 1 Electronic Copy (USB) to be Submitted</b> <b>ALL RESPONSES MUST BE SUBMITTED IN A SEALED ENVELOPE OR BOX</b> Confirmation of timely receipt may be made by calling (561) 682-2011	
<b>Note: All information submitted in response to this Solicitation is subject to the public records law in Chapter 119, Florida Statutes. Any material that a firm believes is exempt from public records must be clearly identified, with explicit notation of the applicable statutory exemption.</b>	
<b>This RFP is Comprised of a Response Checklist and 4 Parts:</b> Part 1. General Guidelines and Information Part 2. Instructions for Preparing Responses – including Responsive and Responsibility Requirements. Part 3. Evaluation Criteria and Standards Part 4. Statement of Work	<b>Attachments:</b> 1. Reference Materials for Respondents 2. Sample Northern Everglades Program Project Service Agreement 3. Solicitation Response Forms

# Solicitation Results

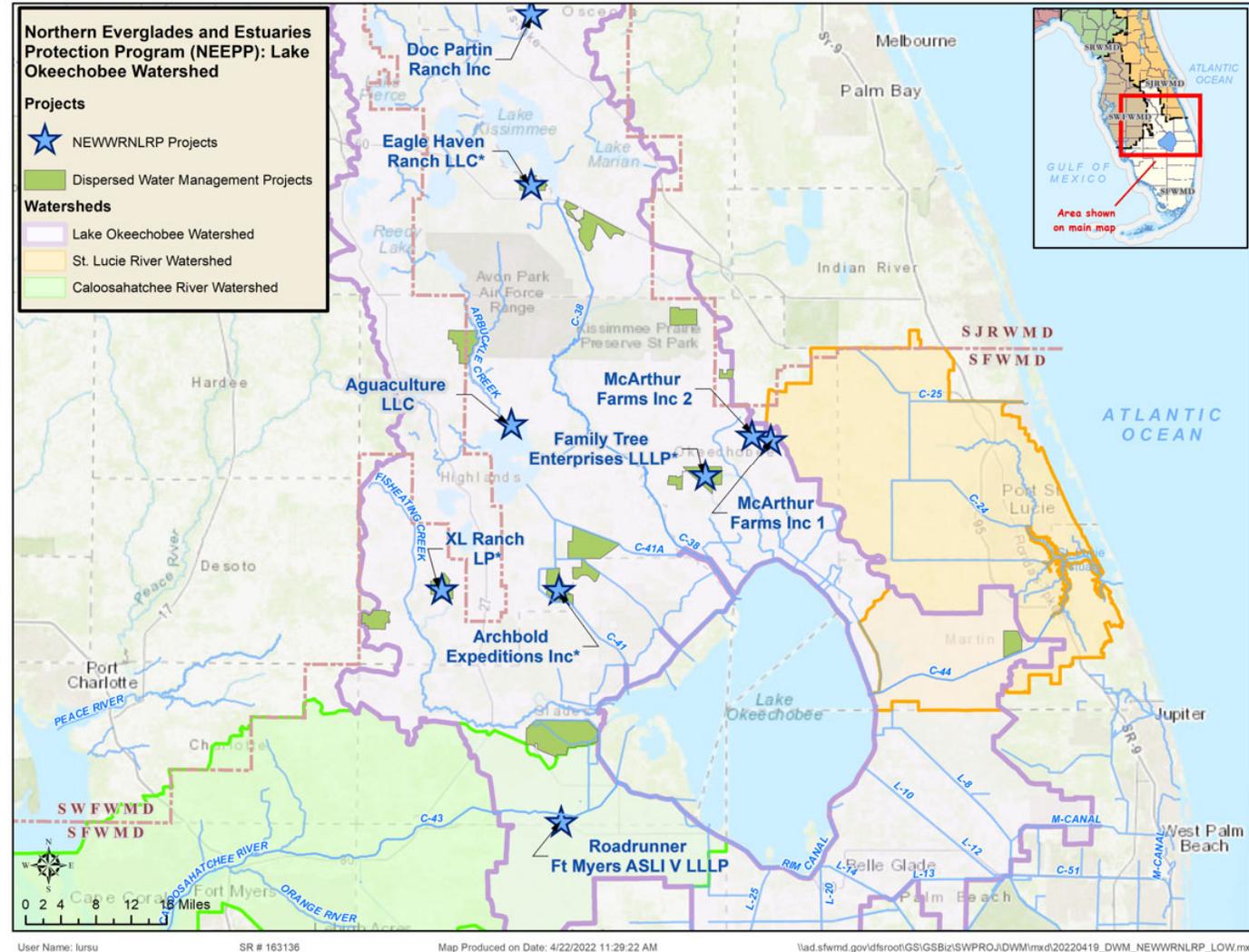
- 15 responsive & responsible bidders
  - Lake Okeechobee Watershed – 8
  - St. Lucie River Watershed – 4
  - Caloosahatchee Watershed – 3
  
- Total of ~\$145M thru FY2030-2031
  - Includes new and existing projects
  - Prices not yet negotiated
    - Total cost includes capital, O&M and service payments through 2031
    - Existing projects have lower capital costs
    - Additional funding through FDEP



# Lake Okeechobee Watershed

- 8 responsive & responsible bidders
  - 4 existing projects
  - 4 new projects
  
- Project types and estimated average annual benefits:
  - Storage – 6
    - ~16,600 ac-ft/yr\*
  - Treatment – 2
    - TP Reduction – ~9.4 mt/yr\*
    - TN Reduction – ~49 mt/yr\*

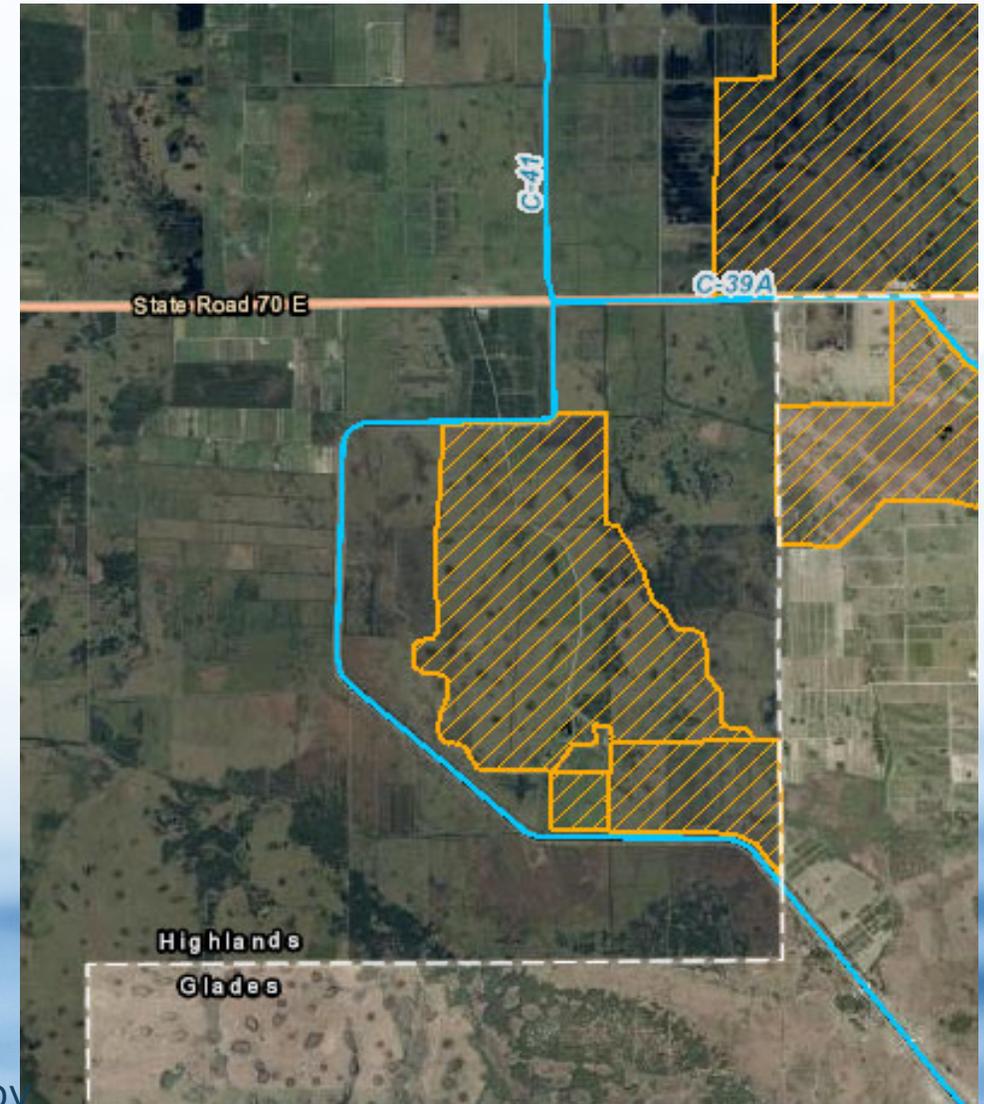
\* Estimated based on proposal



# Archbold Expeditions, Inc.- LOW

- Storage & water quality project
  - Existing project
  - 4,796 acres
- Benefits (per year):
  - 6,736 ac-ft storage\*
  - 5.6 mt TP removal\*
  - 27 mt TN removal\*

\* Estimated based on proposal



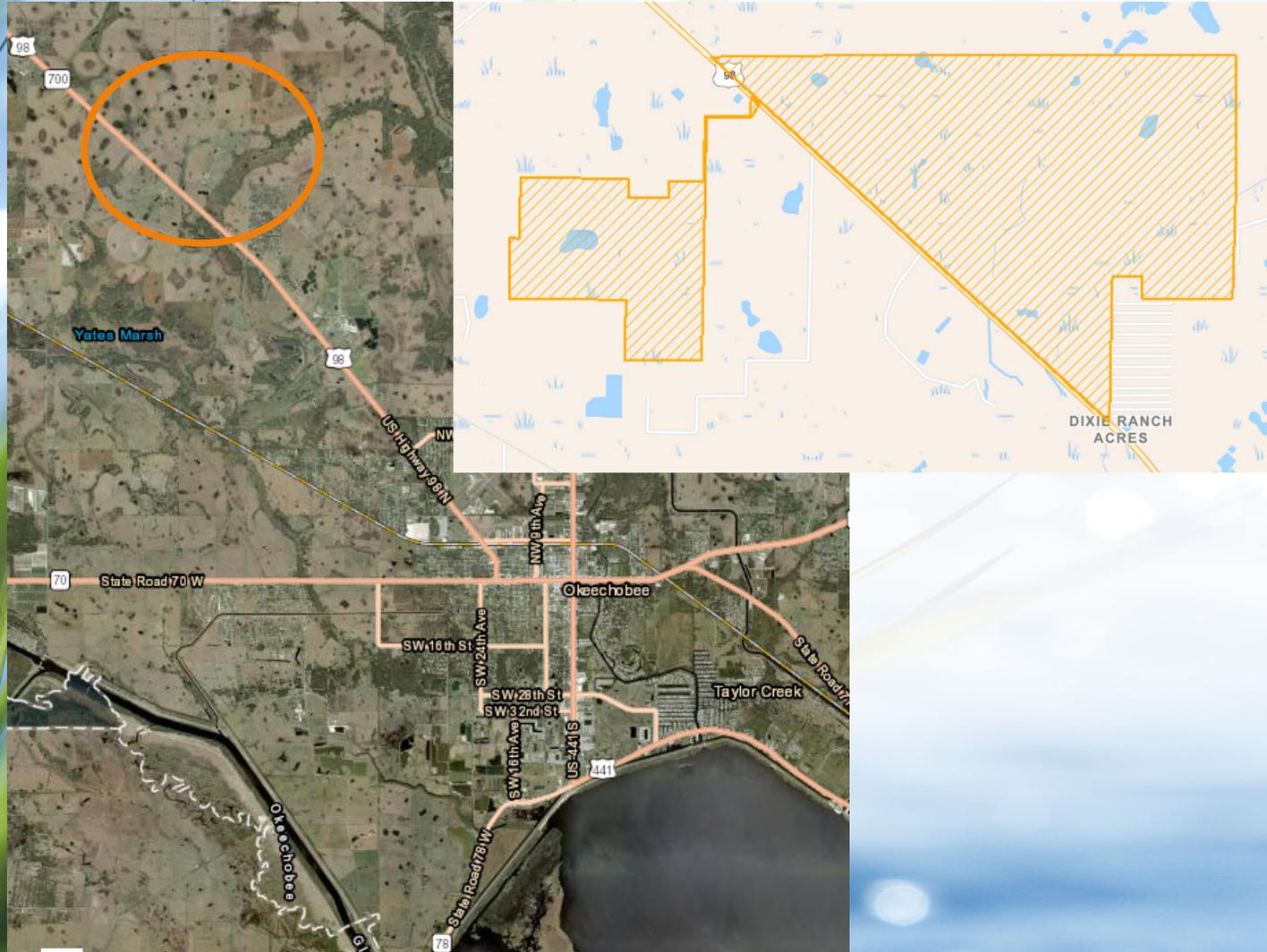
# Eagle Haven Ranch, LLC- LOW

- Storage project
  - Existing project
  - 730 acres
- Benefits (per year):
  - 1,076 ac-ft storage\*
  - 0.6 mt TP removal\*
  - 3.7 mt TN removal\*

\* Estimated based on proposal



# Dixie Ranch Division Family of Tree Enterprises, LLLP - **DRAFT** LOW



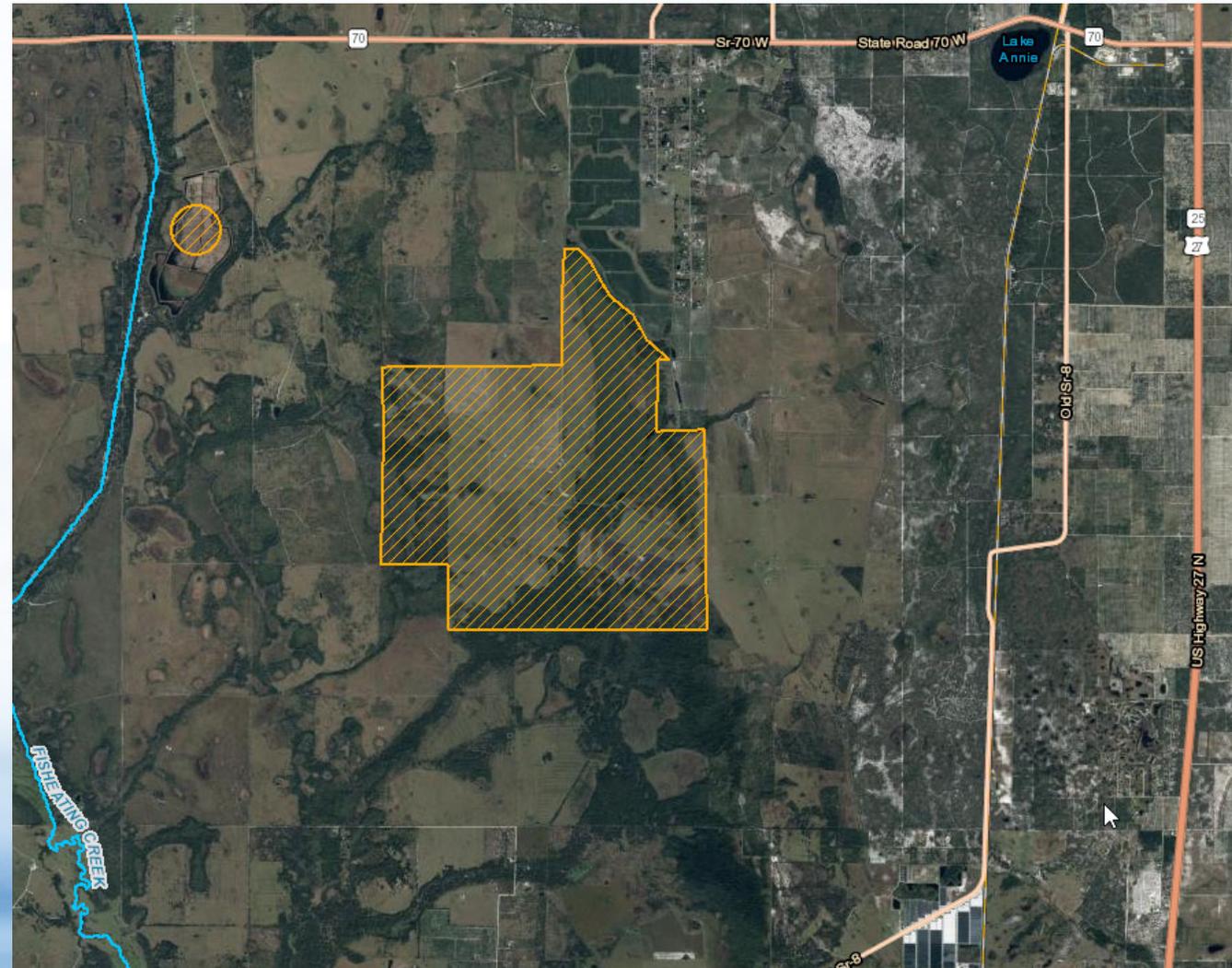
- Storage project
  - Existing project
  - 3,063 acres
- Benefits (per year):
  - 1,764 ac-ft storage\*
  - 0.9 mt TP removal\*
  - 6.1 mt TN removal\*

\* Estimated based on proposal

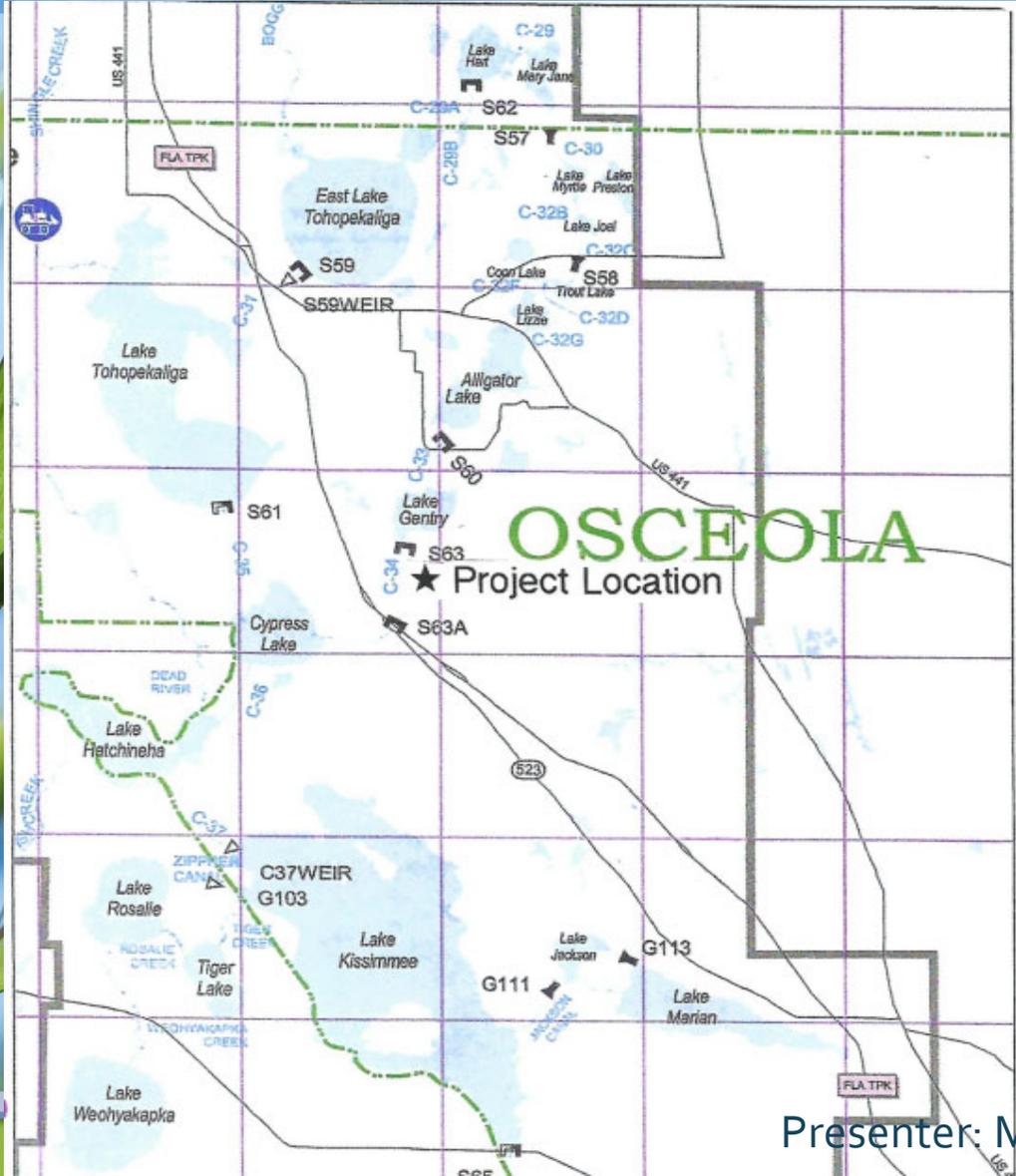
# XL Ranch, LP- LOW

- Storage project
  - Existing project
  - 765 acres
- Benefits (per year):
  - 1,642 ac-ft storage\*
  - 0.7 mt TP removal\*
  - 3.0 mt TN removal\*

\* Estimated based on proposal



# Doc Partin Ranch, Inc- LOW



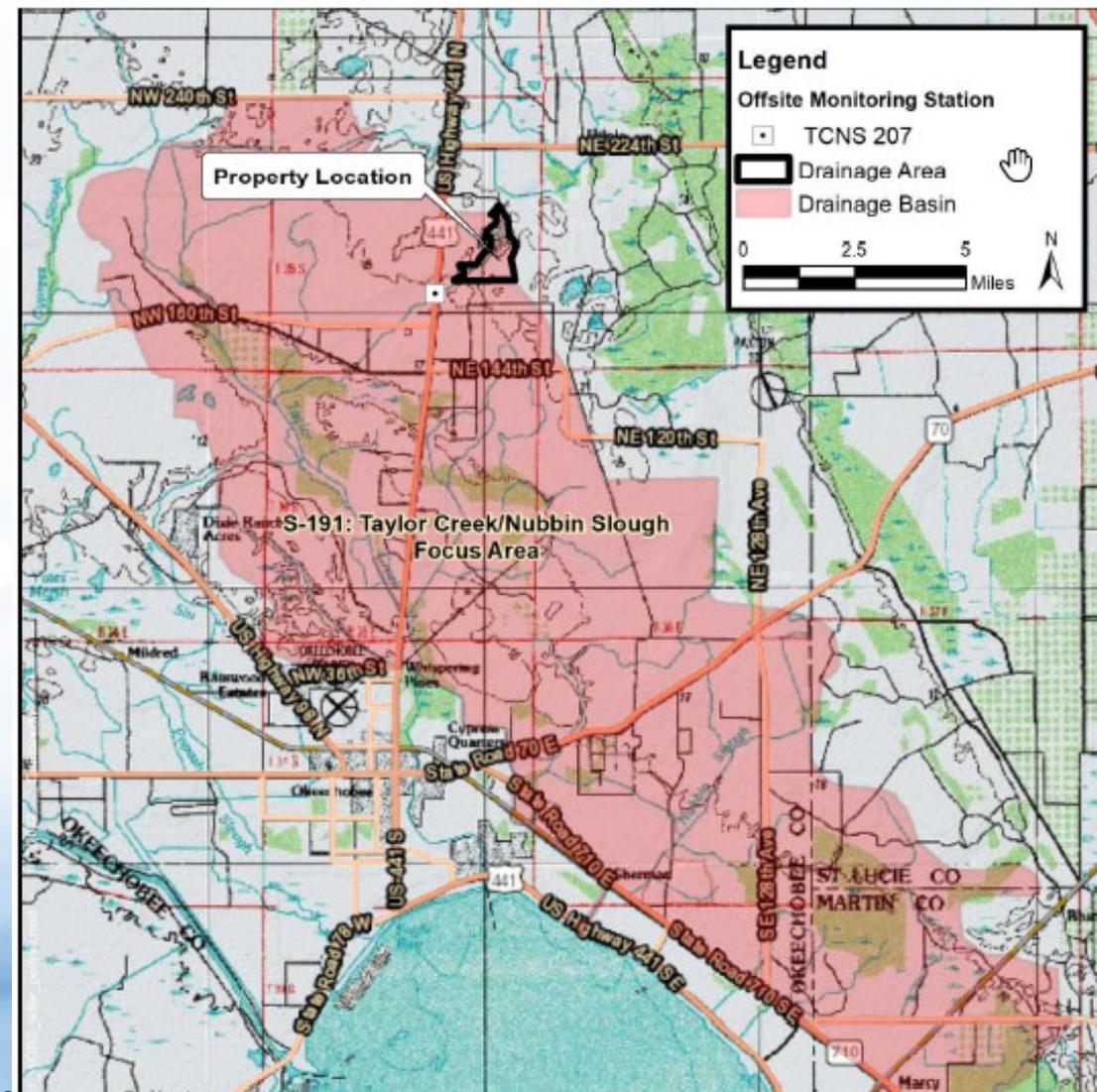
- Storage project
  - 3,050 acres
- Benefits (per year):
  - 4,270 ac-ft storage\*
  - 0.4 mt TP removal\*
  - 5.5 mt TN removal\*

\* Estimated based on proposal

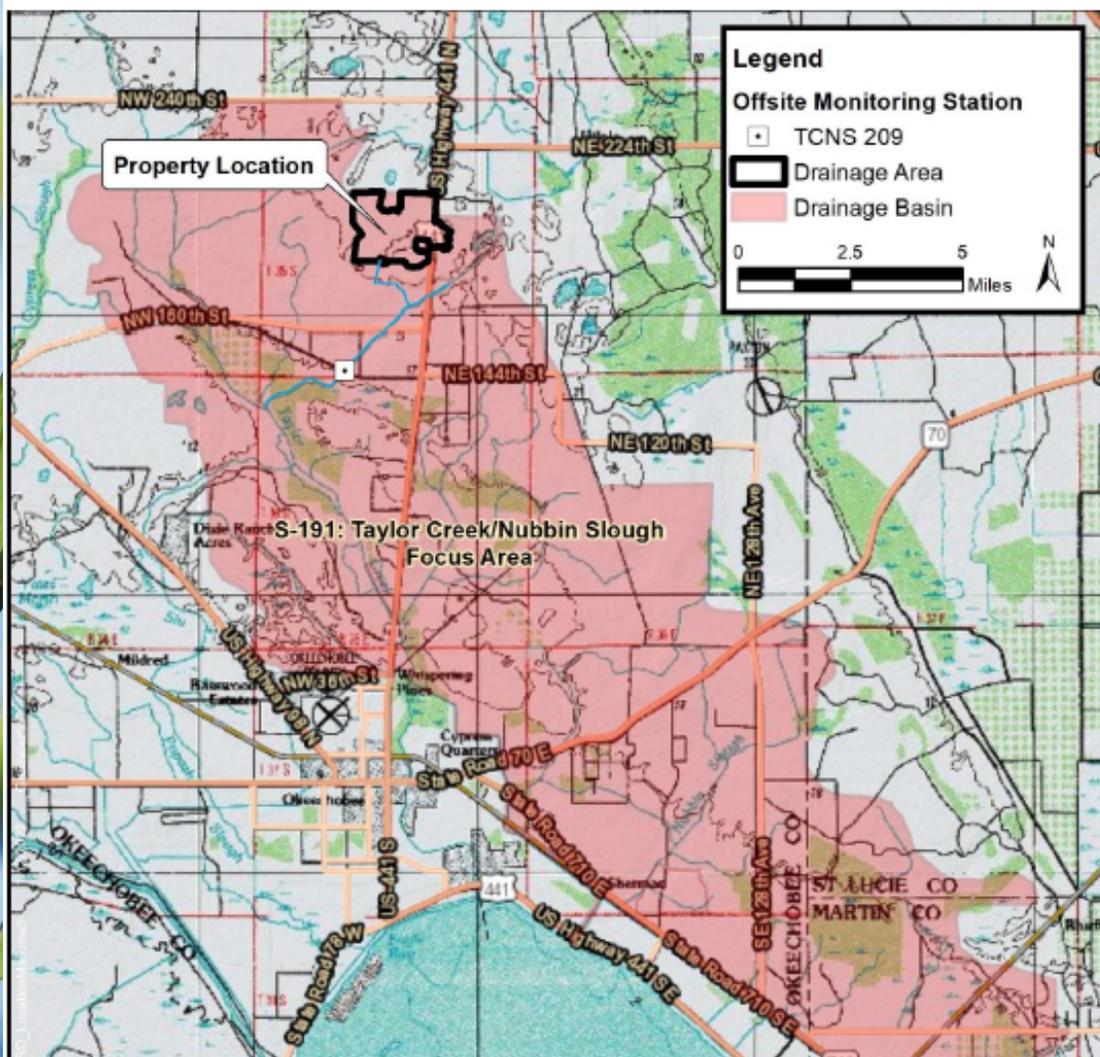
# McArthur Farms, Inc. 1 - LOW

- Storage project
  - Includes re-use
  - 110 acres
- Benefits (per year):
  - 575 ac-ft storage\*
  - 0.3 mt TP removal\*
  - 0.7 mt TN removal\*

\* Estimated based on proposal



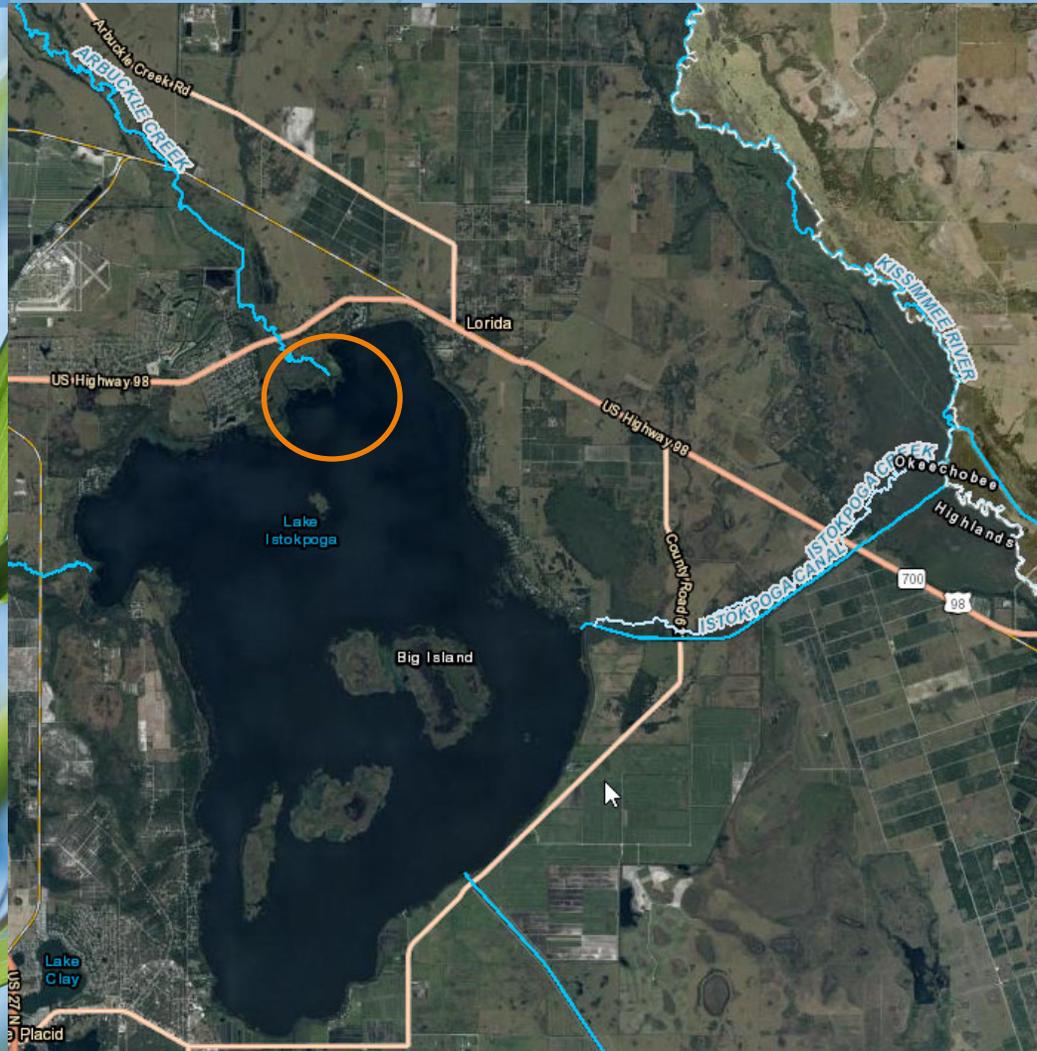
# McArthur Farms, Inc. 2 - LOW



- Storage project
  - Includes re-use
  - 181 acres
- Benefits (per year):
  - 538 ac-ft storage\*
  - 0.9 mt TP removal\*
  - 2.8 mt TN removal\*

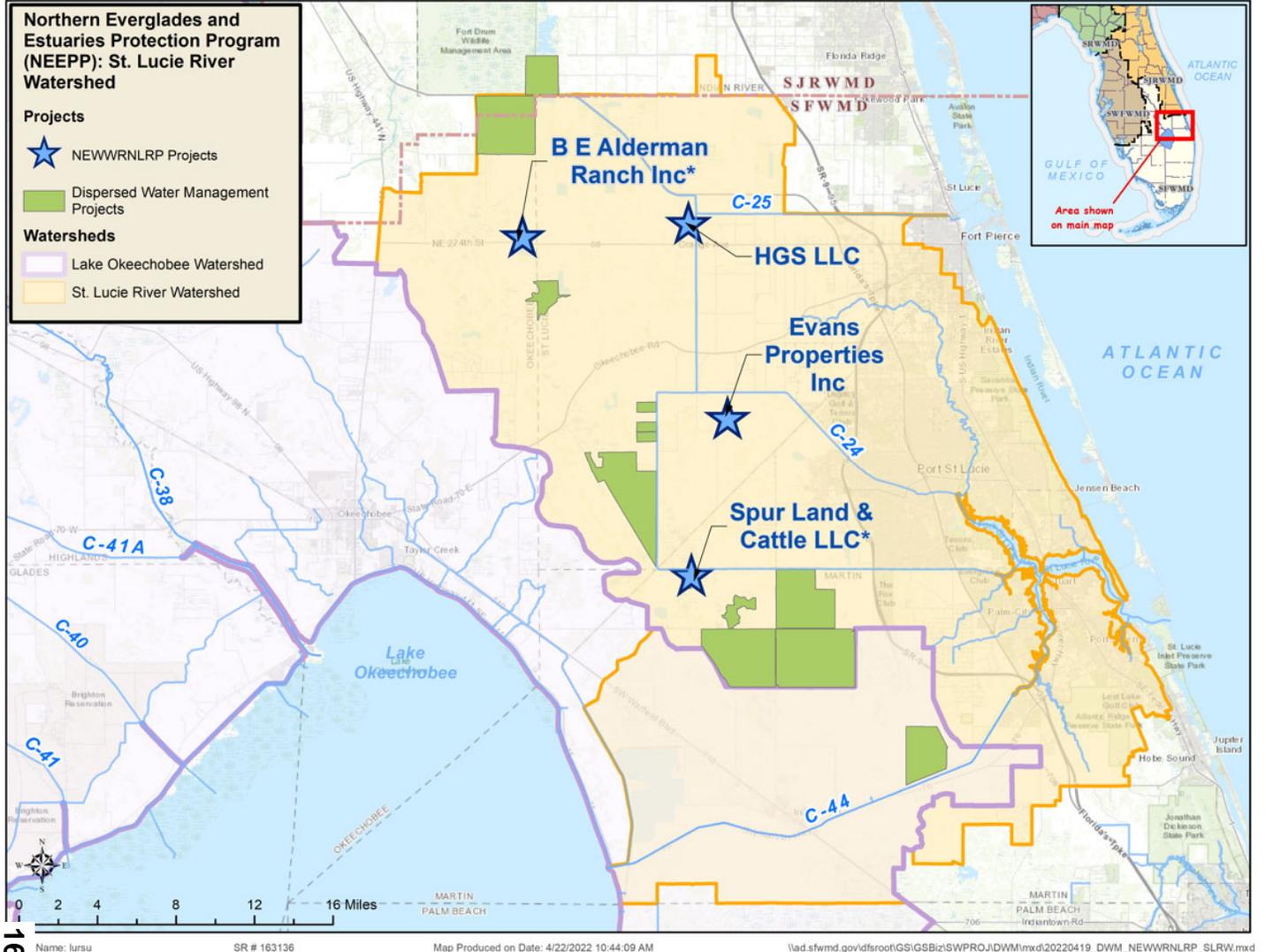
\* Estimated based on proposal

# AguaCulture, LLC - LOW



- Water quality project
  - 400 acres
  - Nutrient removal in aquatic vegetation
- Benefits (per year):
  - TP and TN estimates not yet quantified
- Cost - \$149/lb TP

# St. Lucie River Watershed



➤ 4 responsive & responsible bidders:

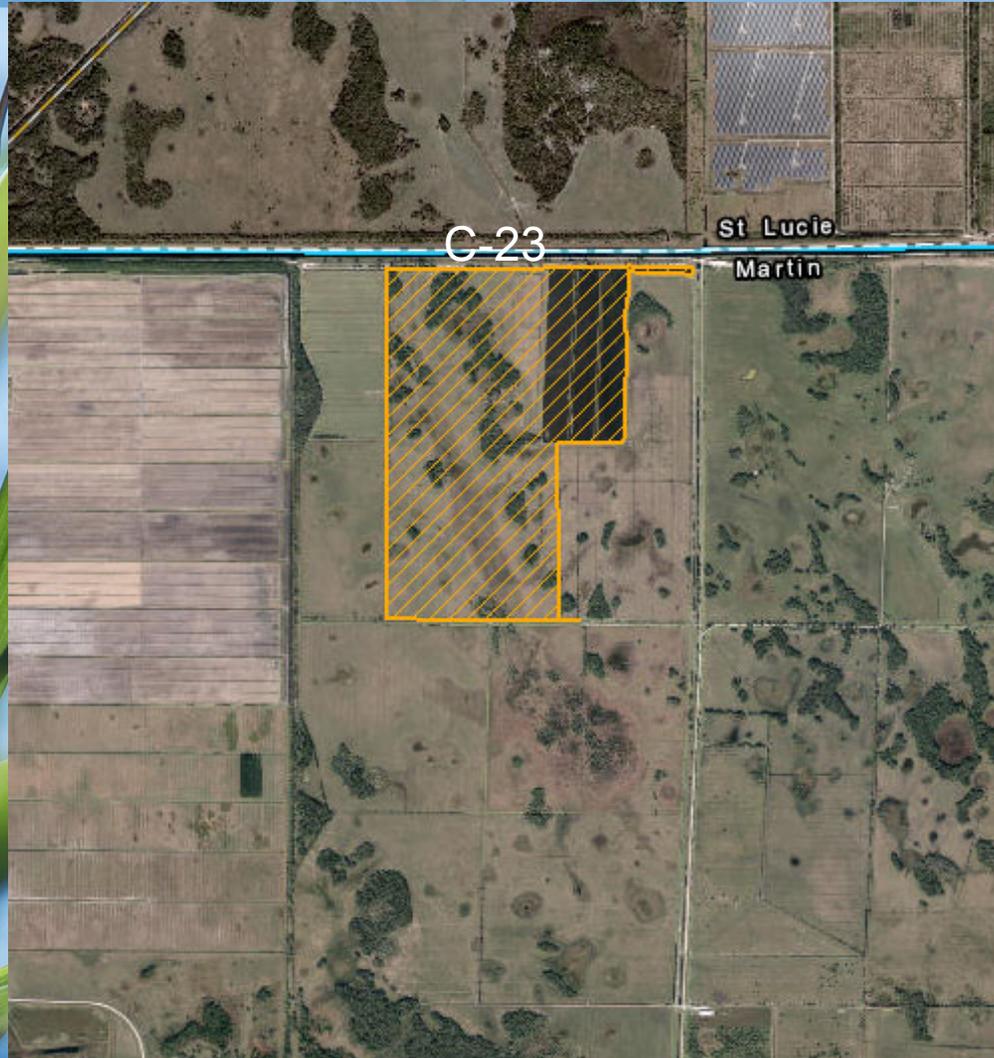
- 2 existing projects
- 2 new projects

➤ Project types and estimated average annual benefits:

- Storage – 4
  - ~18,000 ac-ft/yr\*
- Treatment – 0
  - TP Reduction - ~3.1 mt/yr\*
  - TN Reduction - ~14 mt/yr\*

\* Estimated based on proposal

# Spur Land & Cattle, LLC - SLRW



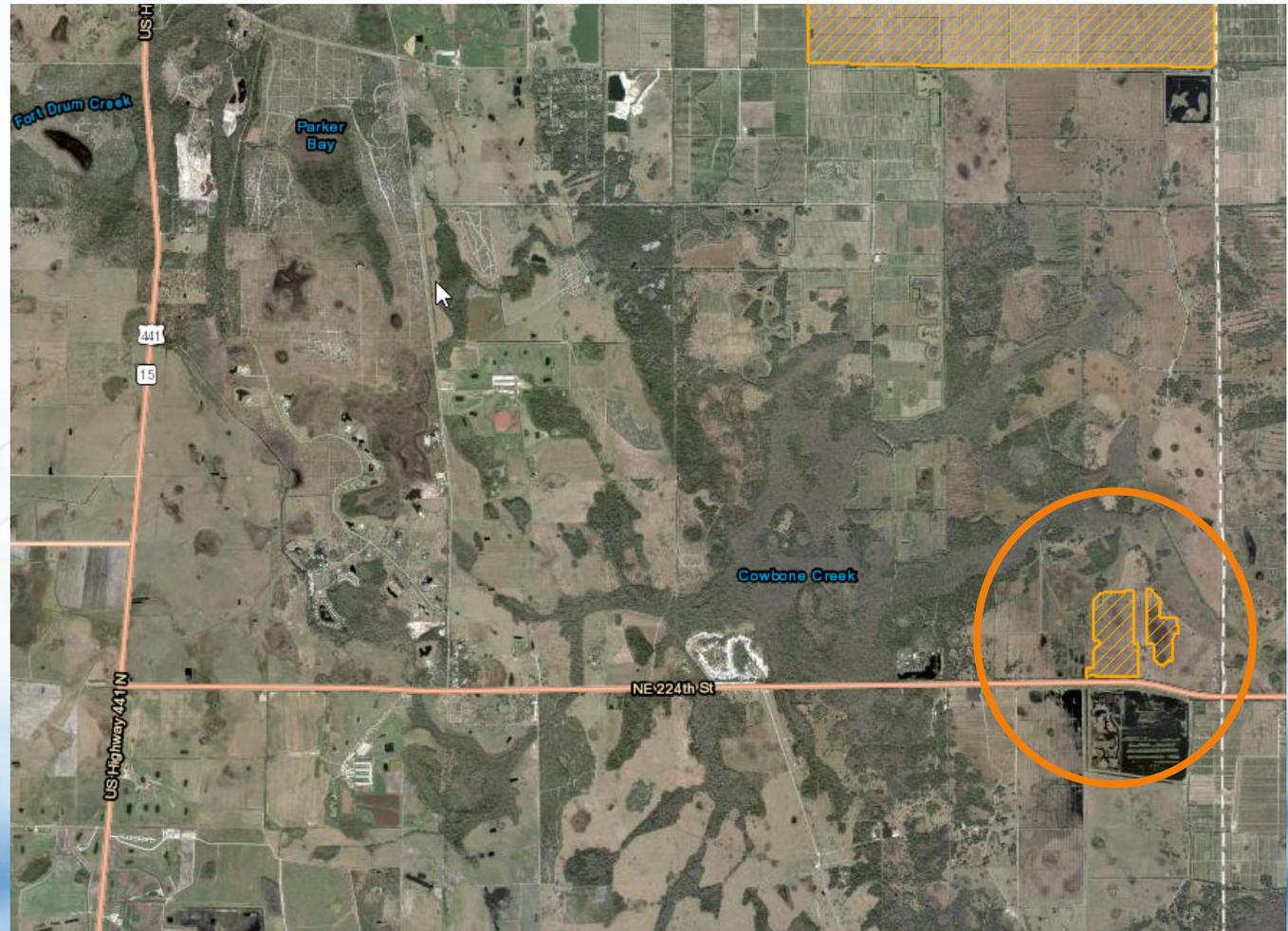
- Storage project
  - Existing project
  - 210 acres
- Benefits (per year):
  - 1,500 ac-ft storage\*
  - 0.4 mt TP removal\*
  - 2.3 mt TN removal\*

\* Estimated based on proposal

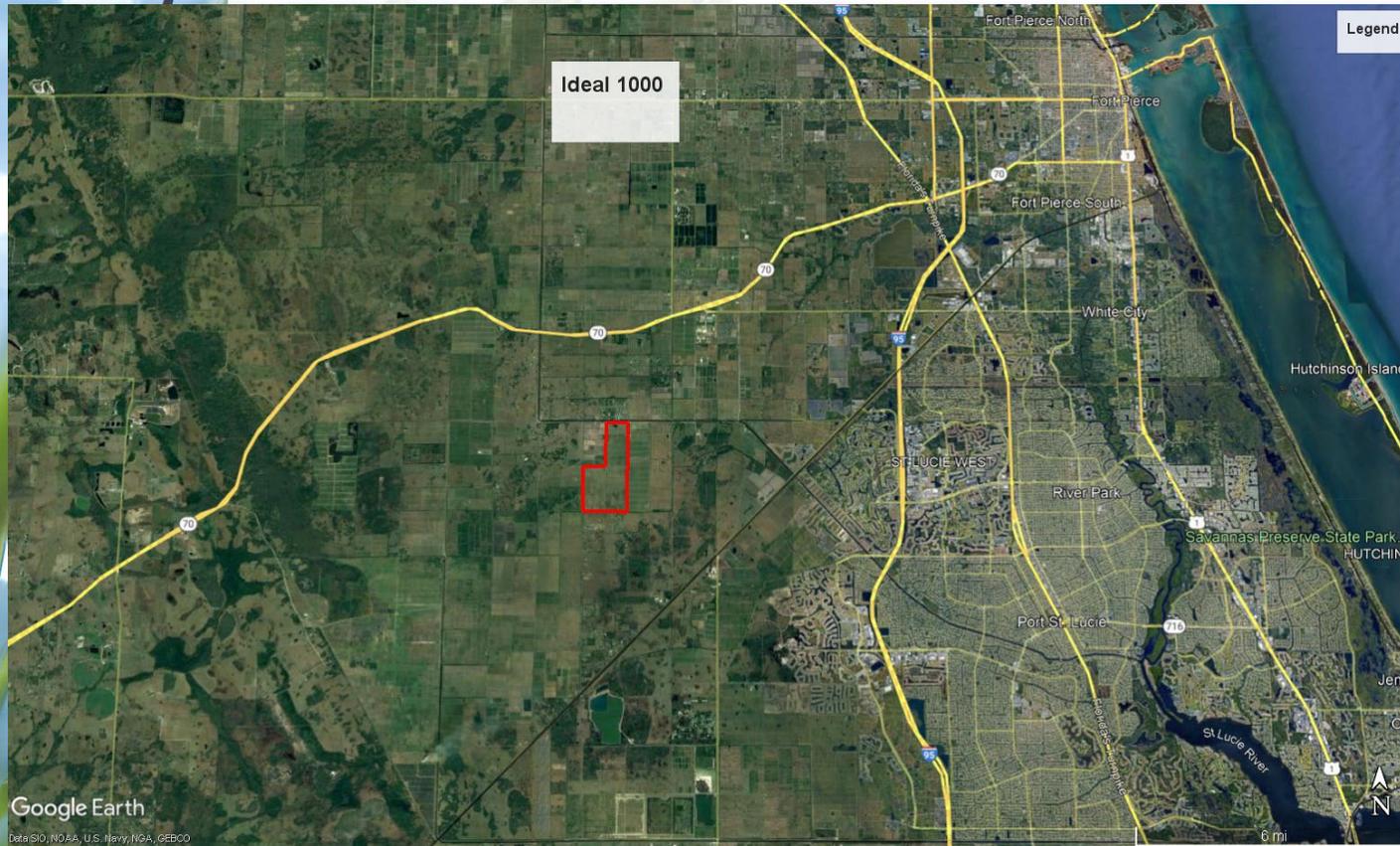
# B.E. Alderman Ranch, Inc. - SLRW

- Storage project
  - Existing project
  - 170 acres
- Benefits (per year):
  - 212 ac-ft storage\*
  - 0.1 mt TP removal\*
  - 0.8 mt TN removal\*

\* Estimated based on proposal



# Evans Properties, Inc. - SLRW



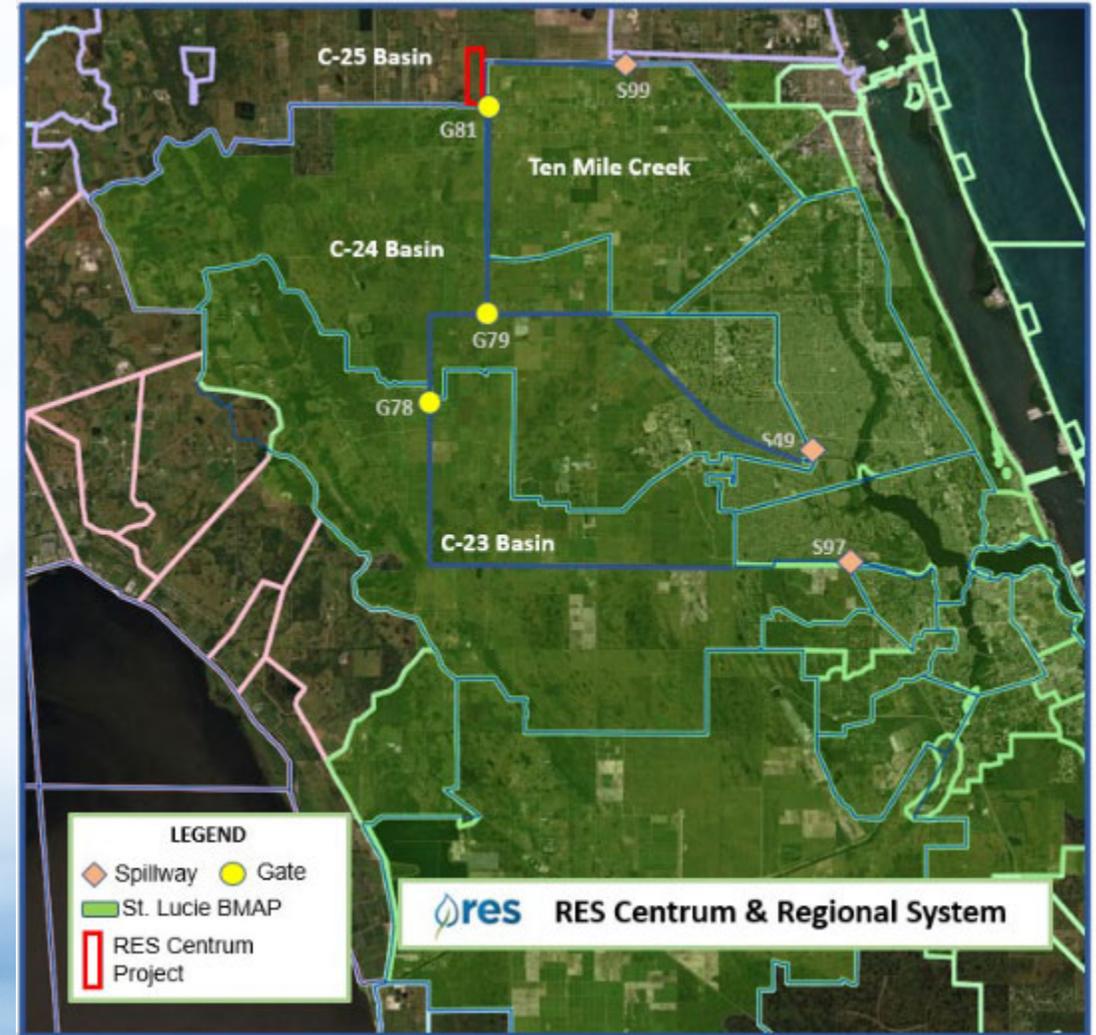
- Storage project
  - 977 acres
- Benefits (per year):
  - 6,944 ac-ft storage\*
  - 1.4 mt TP removal\*
  - 6.7 mt TN removal\*

\* Estimated based on proposal

## HGS, LLC - SLRW

- Storage project
  - 850 acres
- Benefits (per year):
  - 9,338 ac-ft storage\*
  - 1.3 mt TP removal\*
  - 4.4 mt TN removal\*

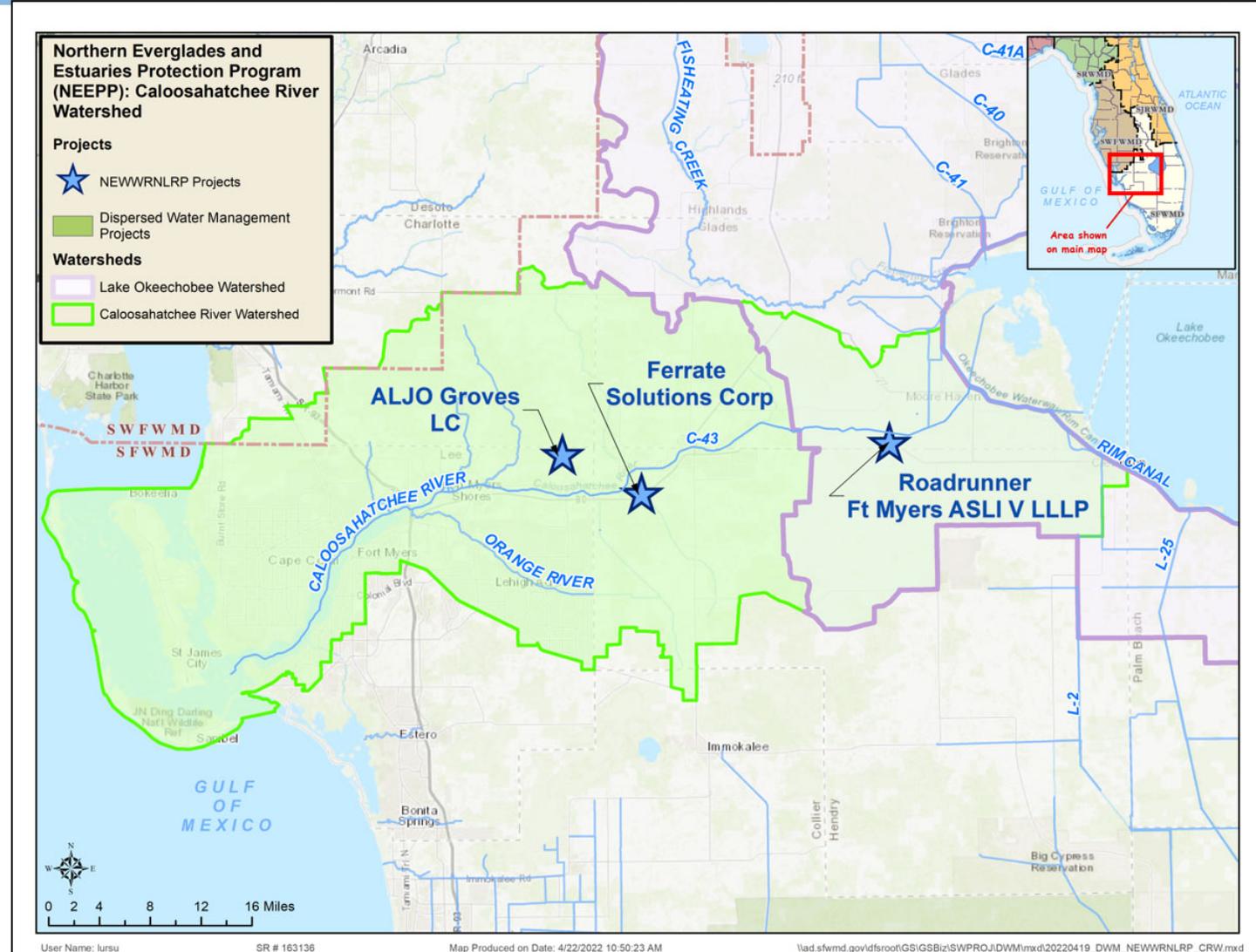
\* Estimated based on proposal



# Caloosahatchee River Watershed

- 3 responsive & responsible bidders
  - No existing
  - 3 new
- Project types and estimated average annual benefits :
  - Storage – 1
    - ~34,700 ac-ft/yr\*
  - Treatment – 2
    - TP Reduction - ~6.2 mt/yr\*
    - TN Reduction - ~78 mt/yr\*

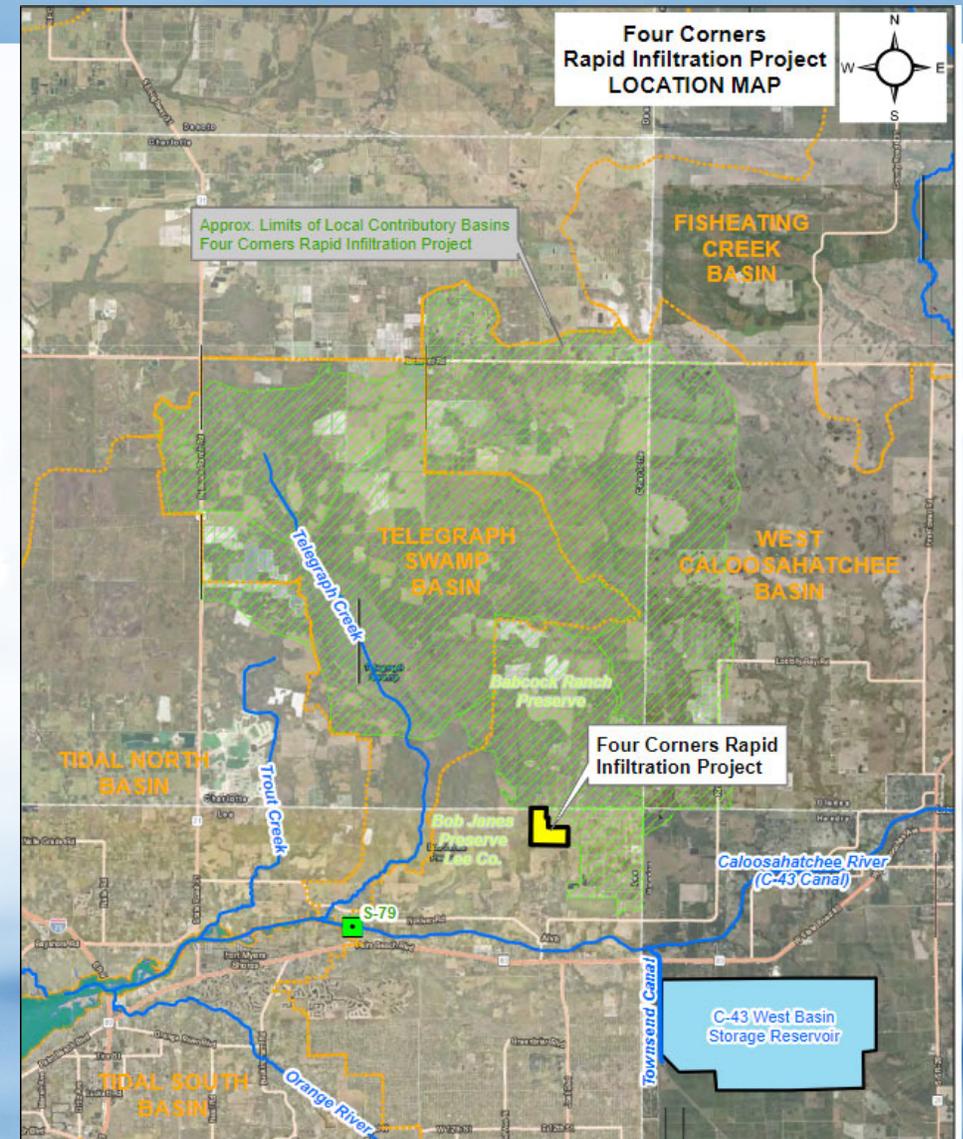
\* Estimated based on proposal



# ALJO Groves, LC - CRW

- Storage project
  - 461 acres
- Benefits (per year):
  - 19,333 ac-ft storage\*
  - 1.2 mt TP removal\*
  - 38 mt TN removal\*

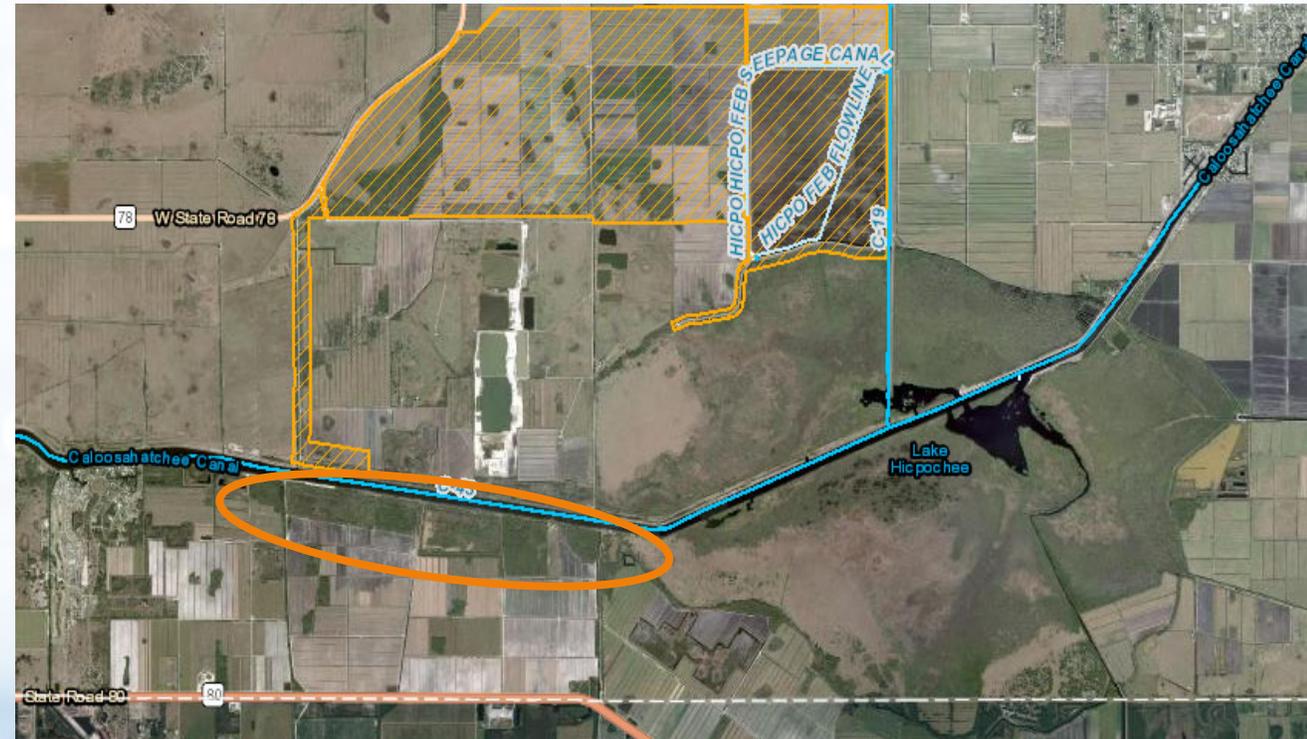
\* Estimated based on proposal



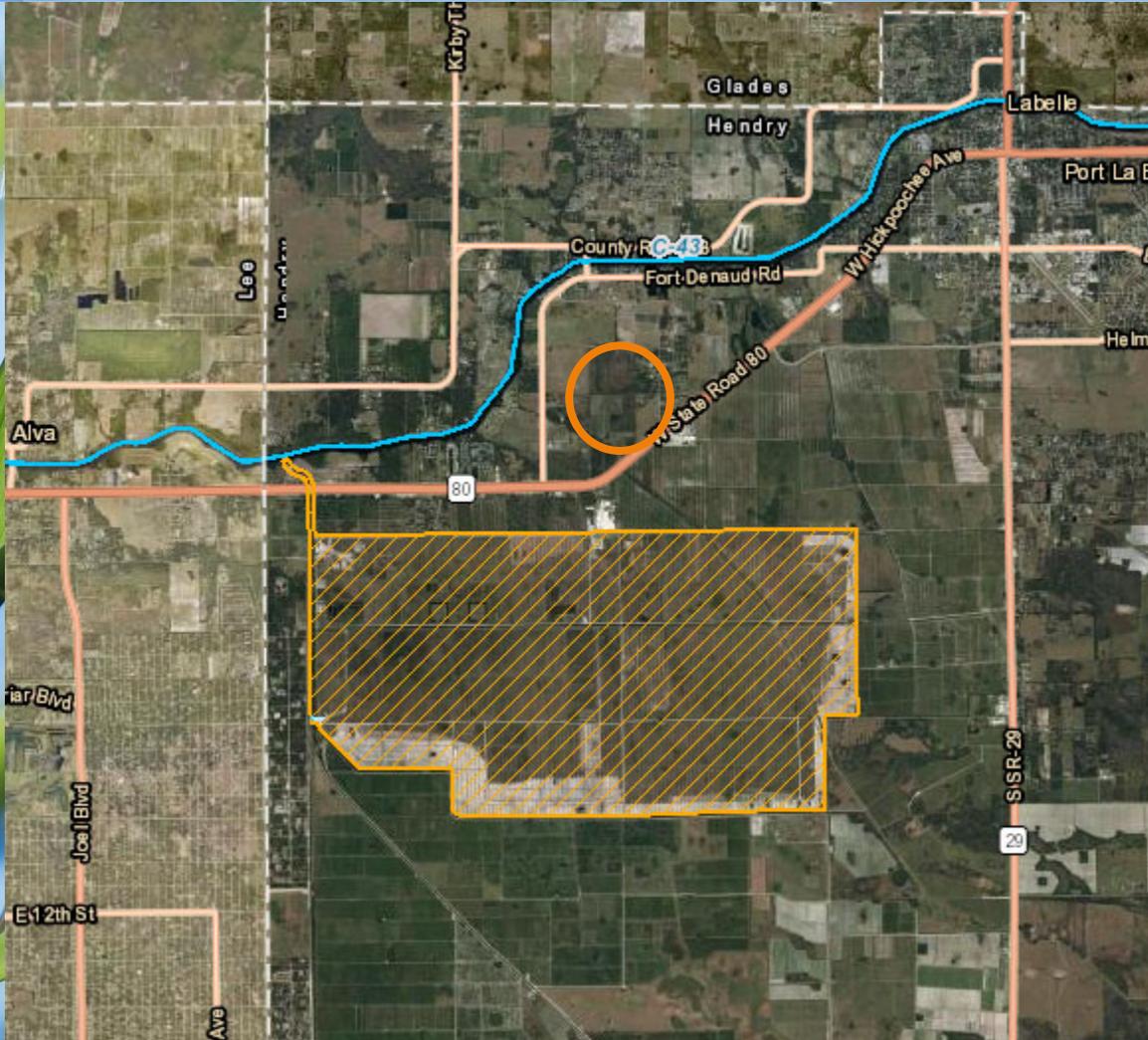
# Roadrunner Ft. Myers ASLIV, LLLP - CRW

- Water quality project
  - 150 acres
- Benefits (per year):
  - 6,000 ac-ft storage\*
  - 3.9 mt TP removal\*
  - 29 mt TN removal\*

\* Estimated based on proposal



# Ferrate Solutions Corp. - CRW



- Water quality project
  - 30 acres
- Benefits (per year):
  - 9,375 ac-ft storage\*
  - 1.1 mt TP removal\*
  - 11 mt TN removal\*

\* Estimated based on proposal

# Process

## Existing Project Agreements: Maintain Watershed Benefits

Negotiate Renewal

No Construction or  
Capital Cost

Continuity of Service

Review of Benefits

## New Projects: Negotiate Agreements

Capital Construction  
and Service Payment

Establish Monitoring  
and Operation Plans

Estimate Benefits  
Potential

## Full Program Benefits...

*...realized after:*

Permitting

Construction

Initial Operations

Monitor & Reporting

## Next Steps

- Request Governing Board approval to negotiate and enter into contracts with listed entities for up to 10 years – Today
- Negotiation strategy:
  - Existing projects with upcoming contract end dates
  - New projects
- Projects start operations from FY2022-2025
- Biennial RFP process



## Resolution 2022-0513

**A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities listed below for the Lake Okeechobee Watershed portion of the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$19 million for the Lake Okeechobee watershed and \$154 million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.**

## Resolution 2022-0513

Lake Okeechobee Watershed		
Contract No.	Project Name	Contractor Name
4600004573	Buck Island Ranch Project	Archbold Expedition, Inc.
4600004574	Eagle Haven Ranch Project	Eagle Haven Ranch LLC
4600004575	Dixie Ranch Retention Project (East and West)	Family Tree Enterprises Limited Partnership LLLP
4600004576	XL Ranch Water Retention and Nutrient Removal Project	XL Ranch LP
4600004577	Partin Family Ranch	Doc Partin Ranch, Inc.
4600004578	Stormwater Pond 1 (SP1) Project	McArthur Farms, Inc.
4600004579	Stormwater Pond 4 (SP4) Project	McArthur Farms, Inc.
4600004580	AguaCulture Technologies Project	AguaCulture LLC

## Resolution 2022-0514

**A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities in the Caloosahatchee River Watershed listed below for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$107 million for the Caloosahatchee River Watershed and \$154 million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.**

## Resolution 2022-0514

Caloosahatchee River Watershed		
Contract No.	Project Name	Contractor Name
4600004581	Four Corners Rapid Infiltration Project	ALJO Groves, LC
4600004582	C-42 Water Retention & Nutrient Load Reduction Project	Roadrunner (Fort Myers) ASLIV LLLP
4600004583	NEWWRNLR Project	Ferrate Solutions, Corp.

## Resolution 2022-0515

**A Resolution of the Governing Board of the South Florida Water Management District to authorize staff to negotiate and execute 10-year contracts, subject to successful negotiations with the entities in the St. Lucie River Watershed listed below for the Northern Everglades Watersheds Water Retention and Nutrient Load Reduction Projects, Request for Proposals Number 6000001289, to provide water retention and nutrient load reduction services in a not to exceed amount of \$28 million for the St. Lucie River Watershed and \$154 million across all three watersheds, for which approximately \$7.5 Million in dedicated funds (Land Acquisition Trust Fund) is budgeted and the remainder is subject to Governing Board approval of future years budgets.**

## Resolution 2022-0515

St. Lucie River Watershed		
Contract No.	Project Name	Contractor Name
4600004584	Spur Land and Cattle Project	Spur Land & Cattle, LLC
4600004585	Alderman-Deloney Ranch Project	B E Alderman Ranch, LLP dba Alderman-Deloney ranch, LLP
4600004586	Ideal 1000 DWM Project	Evans Properties, Inc.
4600004587	RES-Centrum Project	HGS, LLC

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# Questions