



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

November 14, 2024

9:00 AM

John Boy Auditorium
1200 W.C. Owen Avenue
Clewiston, FL 33440

FINAL

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Recognition of Elected Officials
4. Employee Recognitions
 - November 2024 Employee of the Month: Robert VanValkenburg, Instrumentation Control Technician 2, Clewiston Field Station, Division of Field Operations
 - November 2024 Team of the Month: Hurricane Helene Rapid Response Debris Removal Team
5. Agenda Revisions
6. Agenda Item Abstentions by Board Members
7. Big Cypress Basin Board Report - Charlette Roman, Chair
8. Consider Approval of the Minutes for the October 17, 2024 Meeting
9. Executive Director's Report - Drew Bartlett
10. General Public Comment

11. Board Comment
12. Move Consent Agenda Items to Discussion Agenda
13. Public Comment on Consent Agenda Items
14. Attorney Client Closed Door Session
(Estimated duration is 60 minutes.)

Attorney-client session according to Section 286.011(8), Florida Statutes (2021), to discuss a Settlement Agreement for Be a Man Buy Land, LLC v. South Florida Water Management District, et al., Case No. 2023-CA-00052.

ATTENDEES: Governing Board Members: C. Goss, S. Wagner, R. Bergeron, B. Butler, C. Martinez, C. Meads, C. Roman, and J. Steinle; Executive Director D. Bartlett; General Counsel M.R. Fincher; District Attorney J. Levine; and a court reporter.

15. Board Vote on Consent Agenda

Consent Agenda

16. 441 Cattle, LLC, Cattle Grazing Lease Extension, Okeechobee County (Staff contact, Ray Palmer)

Agenda Item Background:

Staff is seeking Governing Board authorization to amend Contract No. 4600002051-A08, to extend a cattle grazing lease on 4,466.34 acres located in Okeechobee County for five years. The property is located within the Taylor Creek / Nubbin Slough Storage and Treatment Area Component of the Lake Okeechobee Watershed Restoration Project. If approved, the Lease will extend to December 3, 2029. Based on the leasing policy, a lease extension on interim project lands may be authorized with the current lessee's past satisfactory performance. The Lease has a provision for termination by the District for convenience of 180 days and requires continued adherence to Best Management Practices. Additionally, the allowed carrying capacity of cattle on the property will continue at low density levels. The approximate annual revenue will be \$81,000.

The District incorporates the use of cattle as a preferable vegetation management tool through a grazing lease program where these leases off-set land management costs incurred by the District. Lessees work collaboratively with the District on land stewardship efforts including invasive plant management, prescribed burning, surface water management, legacy-nutrient reduction, security of the property and maintenance of improvements. These cooperative stewardship efforts are mutually beneficial to the lessee and the District.

Recommended Action:

Resolution No. 2024-1101 Authorize entering into a five-year cattle grazing lease extension with 441 Cattle, LLC on 4,466.34 acres, more or less, in Okeechobee

County. (Contract No. 460002051-A08)

[Resolution No. 2024-1101](#)

[Exhibit A Lease Map](#)

17. Kissimmee Chain of Lakes, Cattle Grazing Lease Extensions, Osceola and Polk Counties (Staff contact, Ray Palmer)

Agenda Item Background:

Staff is seeking Governing Board authorization to amend six contracts to extend the cattle grazing leases located in Osceola and Polk Counties for five years. The properties are located within the Kissimmee Chain of Lakes (KCOL). If approved, the Leases will extend to December 31, 2029. The Lessees are aware the Leases may be amended based on the upper chain of lakes regulation schedule. Based on the leasing policy, a lease extension on conservation lands may be authorized with the current lessee's past satisfactory performance. The Lease has a provision for termination by the District for convenience of 180 days and requires continued adherence to Best Management Practices. Additionally, the allowed carrying capacity of cattle on the property will continue at low density levels. The approximate combined annual revenue will be \$103,000.

The District incorporates the use of cattle as a preferable vegetation management tool through a razing lease program where these leases off-set land management costs incurred by the District Lessees work collaboratively with the District on land stewardship efforts including invasive plant management, prescribed burning, surface water management, legacy-nutrient reduction, security of the property, and maintenance of improvements and the District.

Recommended Action:

Resolution No. 2024-1102 Authorize entering into six five-year cattle grazing lease extensions with Kissimmee Chain of Lakes (KCOL) Lessees, on 14,000 acres, more or less, in Osceola and Polk Counties.

Lessee	Contract No.
Bronsons, LLP	4600001440-A06
Lightsey Cattle Company, LLC	4600003925-A03
Lightsey Cattle Company, LLC	4600003923-A03
Lightsey Cattle Company, LLC	4600004555-A01
Overstreet, Rawlins J. and Sharon C.	4600003917-A03
Vida Management, Inc.	4600003927-A03

[Resolution No. 2024-1102](#)

[Exhibit A KCOL Leases](#)

[Exhibit B Lease Map 1820E-018](#)

[Exhibit C Lease Map 1820E-020](#)

[Exhibit D Lease Map 1820E-034](#)

[Exhibit E Lease Map 18200-015](#)

[Exhibit F Lease Map 1820E-033](#)

[Exhibit G Lease Map 1820E-017](#)

18. Land Acquisition, Shingle Creek Project, Orange County (Staff contact, Ray Palmer)

Agenda Item Background:

Shingle Creek is located in southern Orange County and is generally considered to be the headwaters for the Everglades. The District has been acquiring land on a willing seller basis to preserve and protect this resource. Staff is seeking Governing Board approval to acquire two tracts totaling 3.70 acres, more or less, from willing sellers for a cumulative purchase price of \$148,000.

Recommended Action:

Resolution No. 2024-1103 Authorize the acquisition of land interests in two tracts totaling 3.70 acres, more or less, in the total amount of \$148,000, located in the Shingle Creek Project Area in Orange County, for which dedicated funds (Wetland Mitigation Fund) are budgeted.

[Resolution No. 2024-1103](#)

[Exhibit A Map](#)

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

Agenda Item Background:

The District has certain reserved rights to construct canal rights of way. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need for the reservations. Applications are also routed to local governments and water control districts to ascertain their potential need for the reservation. If it has been determined there is no present or future need, the reservation may be released for a reasonable and appropriate payment based on the value of the land and may require such other terms and conditions determined by the Board.

For this reservation, staff recommend that the reservations be released for payment of \$200,000.00. This release payment was negotiated with the applicant and represents a land value and payment sixty-three percent greater than the standard calculation based on assessed value and is considered reasonable and appropriate.

Staff evaluated the property's size and location for future flood control and reclamation purposes related to water storage and conveyance. Lake Worth Drainage District (LWDD) canals are located on the north and east sides of the applicant's property and LWDD is requiring conveyance from the owner for additional adjacent right of way to widen the canals in the future.

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

Palm Beach County

- Release District canal reservations for Morningstar Nursery, Inc. (File No. 18944) for 14.45+/- acres; subject to release value payment in the amount of \$200,000.00

Recommended Action:

Resolution No. 2024-1104 Release certain canal reservations.

[Memorandum Exhibit A](#)

[Resolution No. 2024-1104](#)

[Maps](#)

20. Mowing Contract Amendment, Clewiston Field Station Area of Responsibility (Staff contact, Rich Virgil, P.E.)

Agenda Item Background:

Maintenance of District lands is required to ensure that vegetation is controlled at the appropriate height to provide for optimal performance and operational efficiency of the District's flood control system. This is a proposed contract amendment for additional mowing services for the A2 Stormwater Treatment Area (STA) and the C-139 Flow Equalization Basin (FEB) adding an additional 3,250 acres annually for an approximate total of 16,366 annual acres. The original contract for the mowing of various District lands and canal and levee rights of way in the Clewiston Field Station area of responsibility, including Palm Beach, Hendry, Glades and Broward Counties, was competitively advertised and awarded to CM Harris, Inc., in February 2023.

Recommended Action:

Resolution No. 2024-1105 Authorize an amendment to the contract with CM Harris, Inc., for mowing services of various District lands and canal and levee rights of way in the Clewiston Field Station area of responsibility, including Palm Beach, Hendry, Glades and Broward Counties, to increase mowing acres by 3,250 annually, in an amount not-to-exceed \$332,832.50 for a total revised contract amount of \$2,100,213.50 of which \$452,696 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2024-2025. (Contract No. 4600004708-A01)

[Resolution No. 2024-1105](#)

[Backup Presentation](#)

21. Design/Build of the Operations Facility Project Amendment No. 2, Phase Two Early Works, Site Development Construction, Palm Beach County (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

As part of the Operations & Maintenance Capital Program, the Operations Facility Project, located in Palm Beach County, will relocate our flight operations to a permanent facility on District lands. The Flight Operations Unit (FOU) provides safe, efficient, and economical aircraft support for the District. Highly experienced pilots fly 1,800 hours per year cumulatively performing the FOU support activities. Flight activities support emergency operations such as pre- and post-storm flights, water quality sampling, inspections of the flood control system and construction projects, regulation flights, wildlife and blue green algae surveys, and other important District initiatives and mandates.

In recent years, the FOU has been leasing office, workshop and hangar space at the Palm Beach International Airport from Signature Flight Support (SFS). The lease with SFS is scheduled to expire December 2025 and is non-renewable. An extensive

investigation to find a new location has been conducted and no existing alternative facility has been found. A District owned and operated facility needs to be constructed to relocate the District aircraft and staff to continue to conduct required operations and maintenance activities, and moving the facility to District-owned land ensures uninterrupted operations, saves in long-term capital and future lease costs, and allows the District to purchase fuel at half the price.

This Project consists of the design and construction of a new and easily accessible, permanent Flight Operations Facility located at the southwest intersection of Southern Boulevard and Flying Cow Road adjacent to Stormwater Treatment Area 1E. It includes a hangar building space to support maintenance of helicopters, parts storage, and office facilities for mechanics and pilots. The site will include a helipad, tarmac for helicopter flight path, site security, vehicle parking and fuel facility. The facility will be built to current building code and will protect the District assets during storm events making them available for immediate deployment after the damaging winds have receded from a storm event.

The District is using the Progressive Design/Build procurement method to work in collaboration with the Contractor from the conceptual phase through construction phase. The current Contract provides for the Design/Builder to deliver the Phase One Services Technical Exhibits for the Operations Facility through Final Design (100%).

Amendment No. 2 advances the Site Development portion of the work to Phase Two (construction), to provide clearing and grubbing, site fill, final grade development, roadways, underground utilities, and temporary power and water services, while the design of the hangar and appurtenances are finalized.

Recommended Action:

Resolution No. 2024-1106 Authorize an amendment to the Design Build contract with State Contracting and Engineering Corporation, for the Phase Two Early Works Operations Facility Site Development construction for 167 days in an amount not-to-exceed \$3,144,588, for which Ad Valorem funds are budgeted in Fiscal Year 2024-2025. (Contract No. 4600004936-A02).

[Resolution No. 2024-1106](#)

[Backup Presentation](#)

22. USGS Caribbean-Florida Water Science Center (Ft. Lauderdale and Orlando) (Staff contact, Lucine Dadrian, P.E.)

Agenda Item Background:

Groundwater monitoring is critical to the District's water supply mission and its ability to monitor movement of the saltwater interface in our coastal aquifers, manage water resources during water shortages, calibrate and apply groundwater models that support water supply planning efforts, and evaluate the effects of new projects on existing legal users of water. Surface water monitoring data are utilized to calibrate surface water models. The District supplements its monitoring coverage utilizing the existing U.S. Geological Survey (USGS) network of wells. These Joint Funding Agreements continue the District's long-standing partnership with the USGS for an additional three-year period.

These agreements will ensure continuity of the monitoring data. The monitoring work includes the collection of monthly, quarterly, semi-annual, continuous recorder and satellite telemetry data from 48 surface water stations including flood resiliency, 5 meteorology/evapotranspiration stations, and groundwater level data from 262 groundwater stations. Data is archived in the USGS's national database, and then transferred to the District via direct computer link on a monthly or as-needed basis.

Recommended Action:

A. Resolution No. 2024-1107 Authorize entering into a three-year Joint Funding Agreement with the United States Geological Survey, United States Department of the Interior, Caribbean-Florida Water Science Center (Ft. Lauderdale), for groundwater, surface water, meteorology/evapotranspiration monitoring data, in an amount not-to-exceed \$4,000,000, for which \$1,467,031 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005106)

B. Resolution No. 2024-1108 Authorize entering into a three-year Joint Funding Agreement with the United States Geological Survey, United States Department of the Interior, Caribbean-Florida Water Science Center (Orlando), for groundwater, surface water, meteorology/evapotranspiration monitoring data, in an amount not-to-exceed \$1,500,000, for which \$381,907 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005105)

[A. Resolution No. 2024-1107](#)

[B. Resolution No. 2024-1108](#)

[Backup Presentation](#)

23. Information Technology Service Management & Asset Management Subscription Service (Staff contact, Akintunde Owosina, P.E.)

Agenda Item Background:

The District's service management software (RemedyForce) will become obsolete in September 2026, requiring the District to either transition to a new platform (Helix) with the same vendor or chose a new solution. IT Division staff reassessed agency current and future needs for service management, compared Helix and other competitive products, and selected a new solution, ServiceNow. Transitioning to ServiceNow will meet our service management needs but also enable the District to integrate our asset management systems on the same platform, consolidating what currently sits on two separate software subscriptions.

Integrating these two systems will enhance the overall effectiveness of both systems and consolidate the knowledgebase in one system. The platform ensures software compliance, lowers license costs through reclamation, and has the capability to reduce Software as a Service (SaaS) expenses. This also improves the efficiency of the annual IT asset inventory, which currently requires significant staff time to complete. This is a vital acquisition for IT Operations.

The benefits of the new platform would accrue to all current RemedyForce users in and outside of the IT Division and would be evident in faster response time from the solution center, increased staff productivity, and user empowerment through a self-

service portal.

This request is to enter into a contract with Carahsoft Technology Corporation for two services totaling \$2,779,853:

1. ServiceNow annual software subscription service for an initial three years with two one-year renewal options for a five-year total of \$2,079,287
2. One-time implementation services to build, test, and transition the existing District systems, for a total cost of \$700,566

The SaaS and implementation services will be procured using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the National Association of State Procurement Officials Contract Number AR2472, 43230000-16-NASPO-ACS.

Recommended Action:

Resolution No. 2024-1109 Authorize entering into a contract with Carahsoft Technology Corporation for two services totaling \$2,779,853, 1) ServiceNow annual software subscription service for an initial three years with two one-year renewal options in the amount of \$2,079,287, and 2) Implementation services for a one-time cost of \$700,566, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the National Association of State Procurement Officials Contract Number AR2472, 43230000-16-NASPO-ACS, of which \$1,333,348 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005124)

[Resolution No. 2024-1109](#)

24. VMware vSphere Foundation Software Subscription Service (Staff contact, Akintunde Owosina, P.E.)

Agenda Item Background:

The Information Technology Division utilizes VMware software to consolidate virtual servers onto a reduced number of physical servers, significantly lowering the costs associated with additional infrastructure. VMware is critical for delivering scalability and capabilities that support a wide range of the District's applications and services, while ensuring exceptional uptime and resiliency. This platform effectively supports both the District's enterprise operations and critical infrastructure virtual servers, including the Ovation and Factory Talk systems.

This request is to enter into a three-year contract with Insight Public Sector, Inc. for the VMware vSphere Foundation software subscription service for the time period November 20, 2024 through November 19, 2027, in the amount of \$662,072, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS.

Recommended Action:

Resolution No. 2024-1110 Authorize entering into a three-year contract with Insight Public Sector, Inc. for the VMware vSphere Foundation software subscription service, for the time period November 20, 2024 through November

19, 2027, in the amount of \$662,072, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS, for which Ad Valorem funds are budgeted in Fiscal Year 2024-2025. (Contract No. 4600005112)

[Resolution No. 2024-1110](#)

25. Adoption of the 2024 Palm Beach County Local Mitigation Strategy Plan Update (Staff contact, Carolina Maran, Ph.D., P.E.)

Agenda Item Background:

The purpose of the Palm Beach County Local Mitigation Strategy (LMS) is to develop and execute an ongoing methodology for reducing the community's vulnerability to natural, technological, and human caused hazards (i.e. hurricanes, tornados, wildfires, thunderstorms, marine hazards, floods, man-made hazards, lightning, etc.) and identifies a comprehensive list of goals, objectives, plans, programs and/or projects in an effort to decrease or eliminate the effects of those vulnerabilities. The LMS provides a rational, managed basis for considering and prioritizing mitigation options, and for developing and executing sound, cost-effective mitigation projects. The LMS provides a basis for justifying the solicitation and use of local, state and federal funding sources to support hazard mitigation projects and initiatives. Formal adoption of the 2024 LMS Plan Update by the District's Governing Board is required to receive federal hazard mitigation grant program funding, administered by the Federal Emergency Management Agency (FEMA), for the District's projects in Palm Beach County. There is no cost for the District associated with the formal adoption of this plan.

Recommended Action:

Resolution No. 2024-1111 Adopt the 2024 Palm Beach County Local Mitigation Strategy Plan for the purpose of hazard mitigation funding eligibility.

[Resolution No. 2024-1111](#)

26. Settlement Agreement for Be a Man Buy Land, LLC v. South Florida Water Management District, et al. (Staff contact, Maricruz R. Fincher)

Agenda Item Background:

This is a suit for declaratory relief, injunctive relief, and for inverse condemnation. The parties attended court-ordered mediation on June 20, 2024, which was continued on September 3, 2024, and reached a settlement contingent on Governing Board approval. The settlement terms include a land transfer, by swap and acquisition, between the Plaintiff, the District, and Martin County in three areas of Pal-Mar known as the East Area, Middle Area, and North and South Chimney Area. As a result of the transfers, the District and Martin County will own all Plaintiff's properties in the East Area, Middle Area, and the South Chimney Area and Plaintiff will own the District and Martin County's properties in the North Chimney Area. The settlement also includes permitting vehicular access for the remaining East Area landowners to the District road located off SW Pratt Whitney Road.

Recommended Action:

Resolution No. 2024-1112 Approve a proposed settlement agreement for the purpose of resolving the case styled *Be a Man Buy Land, LLC v. South Florida*

Water Management District, et al., filed in the 19th Judicial Circuit in and for Martin County, Florida, Case No. 2023-CA-00052.
[Resolution No. 2024-1112](#)

27. Amendment of a Recorded Conservation Easement for the Greater Orlando Aviation Authority (Permit No. 48-00063-S) (Staff contact, Jill Creech, P.E.)

Agenda Item Background:

Greater Orlando Aviation Authority (Authority) requests an amendment of a 1,151.678-acre recorded conservation easement for a project known as the Greater Orlando Aviation Authority in Orange County. The purpose of the amendment is to specifically permit the Authority to undertake necessary safety activities within the Conservation Easement Area relating to wildlife hazard management in accordance with Federal Aviation Administration rules, regulations, orders, advisory circulars, and guidance. The District agrees to amend the Conservation Easement only with respect to Grantors request to allow for Grantors' compliance with Federal Aviation Administration regulations. In the event an Approved Activity will require an Environmental Resource Permit under Chapter 373, Florida Statutes (ERP), the Grantors shall submit for and obtain an ERP from the District prior to undertaking said triggering Approved Activity.

Recommended Action:

Resolution No. 2024-1113 Approve an amendment to a recorded conservation easement for a project known as the Greater Orlando Aviation Authority.

[Resolution No. 2024-1113](#)

[Resolution Exhibit A](#)

[Location Map](#)

Discussion Agenda

28. Fiscal Year 2025-2026 Alternative Water Supply Funding Program (Staff contact, Stacey Payseno)

Agenda Item Background:

This item includes a presentation of the upcoming Fiscal Year 2025-2026 Alternative Water Supply Funding Program (Program) which includes an overview and a tentative schedule for implementation; no action is required at this time. The Program's purpose is to provide financial incentives through matching grants for local alternative water supply and water conservation projects.

Staff is also seeking Governing Board authorization to clarify the eligibility requirement for the status of Water Supply Facilities Work plans for local government applicants. After the District approves a regional water supply plan, local government applicants must have a current, approved Water Supply Facilities Work Plan, on or before the date of their application to the District.

Recommended Action:

Resolution No. 2024-1114 Direct staff to clarify the eligibility requirement for the status of Water Supply Facilities Work Plans for local government applicants.

[Resolution No. 2024-1114](#)

Technical Reports

29. Water and Ecological Conditions Report - John P. Mitnik, P.E., and Lawrence Glenn

Staff Reports

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

Final Presentations and Project Updates

Agenda Item Background:

- [28 Payseno FY 2025-2026 Alternative Water Supply Funding Program](#)
- [29 Mitnik Glenn Water and Ecological Conditions Report](#)
- [CERP Report](#)
- [NEEPP Report](#)

Public Comment Procedure

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

MEMORANDUM

TO: Governing Board Members

FROM: Ray Palmer, Real Estate

DATE: November 14, 2024

SUBJECT: 441 Cattle, LLC, Cattle Grazing Lease Extension, Okeechobee County

Agenda Item Background:

Staff is seeking Governing Board authorization to amend Contract No. 4600002051-A08, to extend a cattle grazing lease on 4,466.34 acres located in Okeechobee County for five years. The property is located within the Taylor Creek / Nubbin Slough Storage and Treatment Area Component of the Lake Okeechobee Watershed Restoration Project. If approved, the Lease will extend to December 3, 2029. Based on the leasing policy, a lease extension on interim project lands may be authorized with the current lessee's past satisfactory performance. The Lease has a provision for termination by the District for convenience of 180 days and requires continued adherence to Best Management Practices. Additionally, the allowed carrying capacity of cattle on the property will continue at low density levels. The approximate annual revenue will be \$81,000.

The District incorporates the use of cattle as a preferable vegetation management tool through a grazing lease program where these leases off-set land management costs incurred by the District. Lessees work collaboratively with the District on land stewardship efforts including invasive plant management, prescribed burning, surface water management, legacy-nutrient reduction, security of the property and maintenance of improvements. These cooperative stewardship efforts are mutually beneficial to the lessee and the District.

Additional Item Background:

The District acquired the property in July 2001 to increase water storage capacity, restore wetlands, and improve the quantity and timing of discharges to the St. Lucie and Caloosahatchee estuaries. 441 Cattle, LLC, has leased this property since December 2009. This Lease is set to expire on December 3, 2024. All leased lands are inspected on a semi-annual basis and the annual rent is based on the cattle grazing formula.

Portions of this property are currently in conceptual design with the project objective to reduce flow and nutrient loading to Lake Okeechobee from the Taylor Creek/Nubbin Slough subwatershed. Three alternatives for a flow equalization basin water storage project on approximately 2,400 acres are under development. Conceptual design completion is expected by September 2025 and estimated construction scheduled for late 2026.

Core Mission and Strategic Priorities:

The revenues generated from this Lease will assist Land Stewardship in managing this and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the

lease. The Lease is estimated to bring in anticipated revenue of approximately \$405,000 over the five-year term.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2024-1101](#)

[Exhibit A Lease Map](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024-11XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a five-year cattle grazing lease extension with 441 Cattle, LLC on 4,466.34 acres, more or less, in Okeechobee County as more particularly described herein; providing an effective date. (Contract No. 4600002051-A08)

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

WHEREAS, the District and the Lessee desire to extend Lease Contract No. 4600002051-A06, Lease Encumbrance ID HF10E-009, for five years; and

WHEREAS, the Lessee's main use of the Premises is cattle grazing, which will assist in the stewardship of the property; and

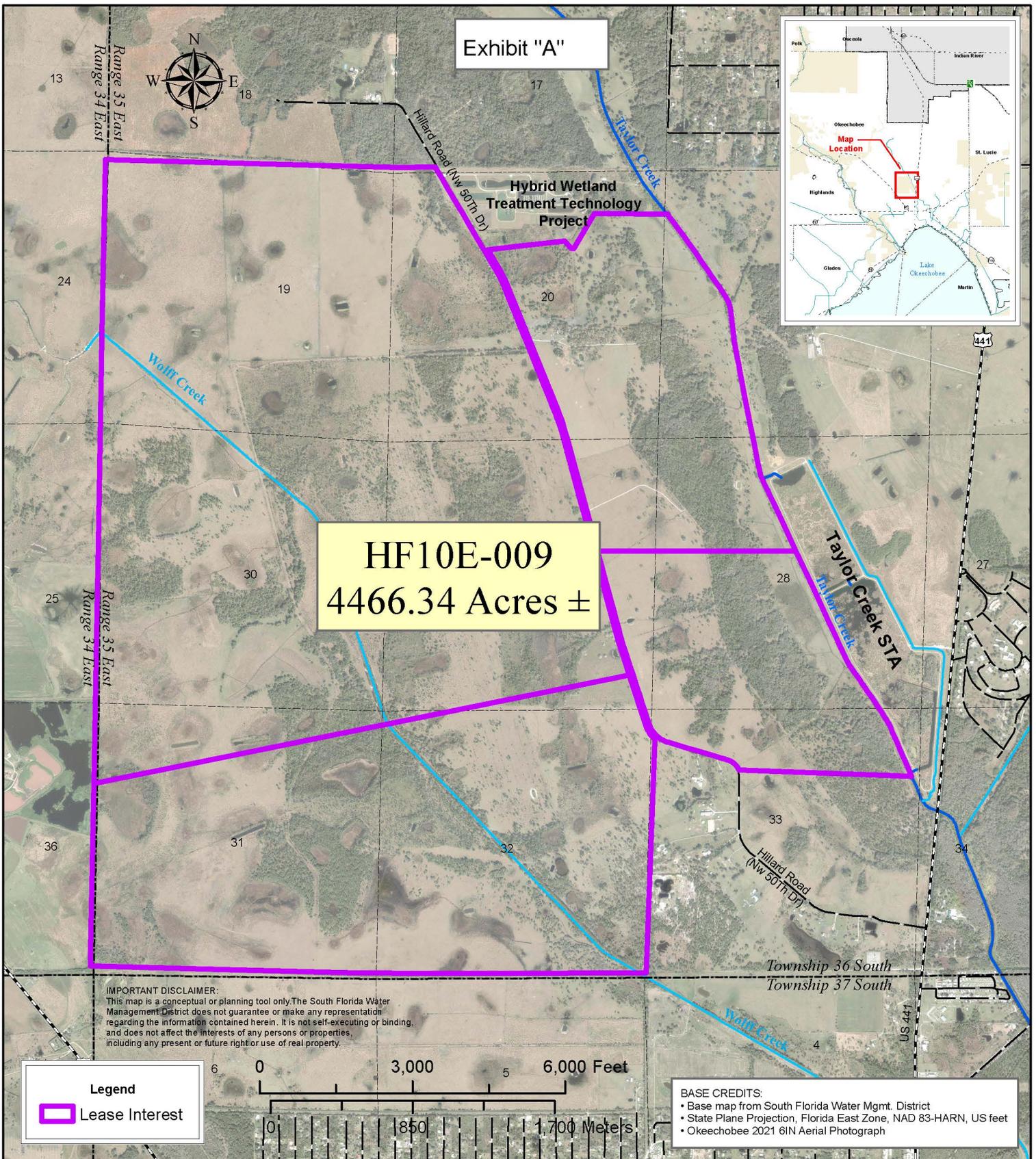
WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to authorize the five-year extension for cattle grazing with 441 Cattle, LLC on 4,466.34 acres, more or less, in Okeechobee County, see Exhibit "A," with an anticipated annual revenue in the amount of \$81,000.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a five-year cattle grazing lease with 441 Cattle, LLC on approximately 4,466.34 acres, in Okeechobee County. (Contract No. 4600002051-A08)

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

PASSED and ADOPTED this 14th day of November 2024.



Encumbrance HF10E-009 Okeechobee County, FL



Map Date: September 2024

MEMORANDUM

TO: Governing Board Members

FROM: Ray Palmer, Real Estate

DATE: November 14, 2024

SUBJECT: Kissimmee Chain of Lakes, Cattle Grazing Lease Extensions, Osceola and Polk Counties

Agenda Item Background:

Staff is seeking Governing Board authorization to amend six contracts to extend the cattle grazing leases located in Osceola and Polk Counties for five years. The properties are located within the Kissimmee Chain of Lakes (KCOL). If approved, the Leases will extend to December 31, 2029. The Lessees are aware the Leases may be amended based on the upper chain of lakes regulation schedule. Based on the leasing policy, a lease extension on conservation lands may be authorized with the current lessee's past satisfactory performance. The Lease has a provision for termination by the District for convenience of 180 days and requires continued adherence to Best Management Practices. Additionally, the allowed carrying capacity of cattle on the property will continue at low density levels. The approximate combined annual revenue will be \$103,000.

The District incorporates the use of cattle as a preferable vegetation management tool through a razing lease program where these leases off-set land management costs incurred by the District Lessees work collaboratively with the District on land stewardship efforts including invasive plant management, prescribed burning, surface water management, legacy-nutrient reduction, security of the property, and maintenance of improvements and the District.

Additional Item Background:

The District acquired a majority of the properties in the 1990's to provide the capacity to store and flow water up to the 54-foot National Geodetic Vertical Datum (NGVD) contour line. All Lessees have leased the properties since the 1990s. These Leases are set to expire on December 31, 2024. All leased lands are inspected on a semi-annual basis and the annual rent is based on the cattle grazing formula apart from Bronsons, LLP which uses the Consumer Price Index (CPI) for their annual adjustment.

The Kissimmee Basin encompasses more than two dozen lakes in the Kissimmee Chain of Lakes (KCOL), their tributary streams and associated marshes and the Kissimmee River and floodplain. The basin forms the headwaters of Lake Okeechobee and the Everglades; together they comprise the Kissimmee-Okeechobee-Everglades (KOE) system. Major initiatives in the Kissimmee Basin include the Kissimmee River Restoration Project, the Kissimmee River Restoration Evaluation Program and the Kissimmee Chain of Lakes and Kissimmee Upper Basin Monitoring and Assessment.

Kissimmee River Restoration Project was authorized by Congress in 1992. The headwaters revitalization which includes raising the upper chain of lakes regulation schedule is in process with lakes stages being raised in a stepwise process.

Core Mission and Strategic Priorities:

The revenues generated from this Lease will assist Land Stewardship in managing this and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the lease. The Leases are estimated to bring in anticipated revenue of approximately \$515,000 over the five-year term.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2024-1102](#)

[Exhibit A KCOL Leases](#)

[Exhibit B Lease Map 1820E-018](#)

[Exhibit C Lease Map 1820E-020](#)

[Exhibit D Lease Map 1820E-034](#)

[Exhibit E Lease Map 18200-015](#)

[Exhibit F Lease Map 1820E-033](#)

[Exhibit G Lease Map 1820E-017](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024-11XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into six five-year cattle grazing lease extensions with Kissimmee Chain of Lakes (KCOL) Lessees, on 14,000 acres, more or less, in Osceola and Polk Counties, as more particularly described herein; providing an effective date.

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

WHEREAS, the District and the Lessees desire to extend six Lease Contracts, for five years; and

WHEREAS, the Lessees' main use of the premises is cattle grazing, which will assist in the stewardship of the property; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to authorize the six five-year lease extensions for cattle grazing within the KCOL Project, on 14,000 acres, more or less, in Osceola and Polk Counties, see Exhibits "A-G," with an anticipated combined annual revenue in the amount of \$103,000.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into six five-year cattle grazing lease extensions in Osceola and Polk Counties.

Lessee	Contract No.	Acres Per Animal Unit	Acres	Annual Revenue
Bronsons, LLP	4600001440-A06	27	10,804.40	\$41,000
Lightsey Cattle Company, LLC	4600003925-A03	10	609.93	\$12,000
Lightsey Cattle Company, LLC	4600003923-A03	10	703.64	\$13,000
Lightsey Cattle Company, LLC	4600004555-A01	10	864.17	\$16,000
Overstreet, Rawlins J. and Sharon C.	4600003917-A03	10	595.06	\$12,000
Vida Management, Inc.	4600003927-A03	10	459.72	\$9,000
Total			14,036.92	\$103,000

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

PASSED and **ADOPTED** this 14th day of November, 2024.

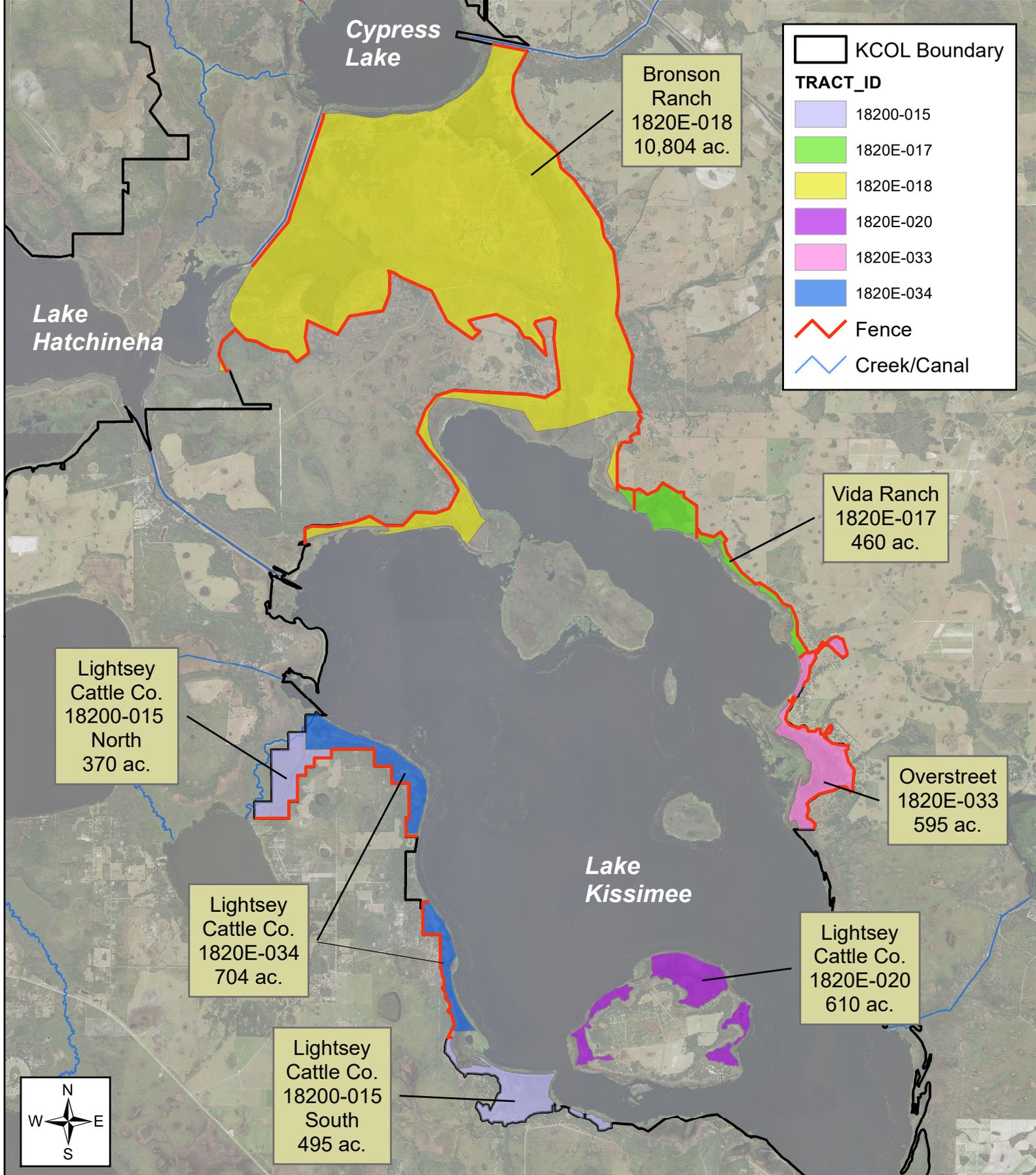
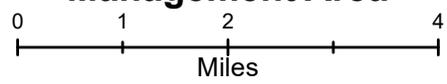
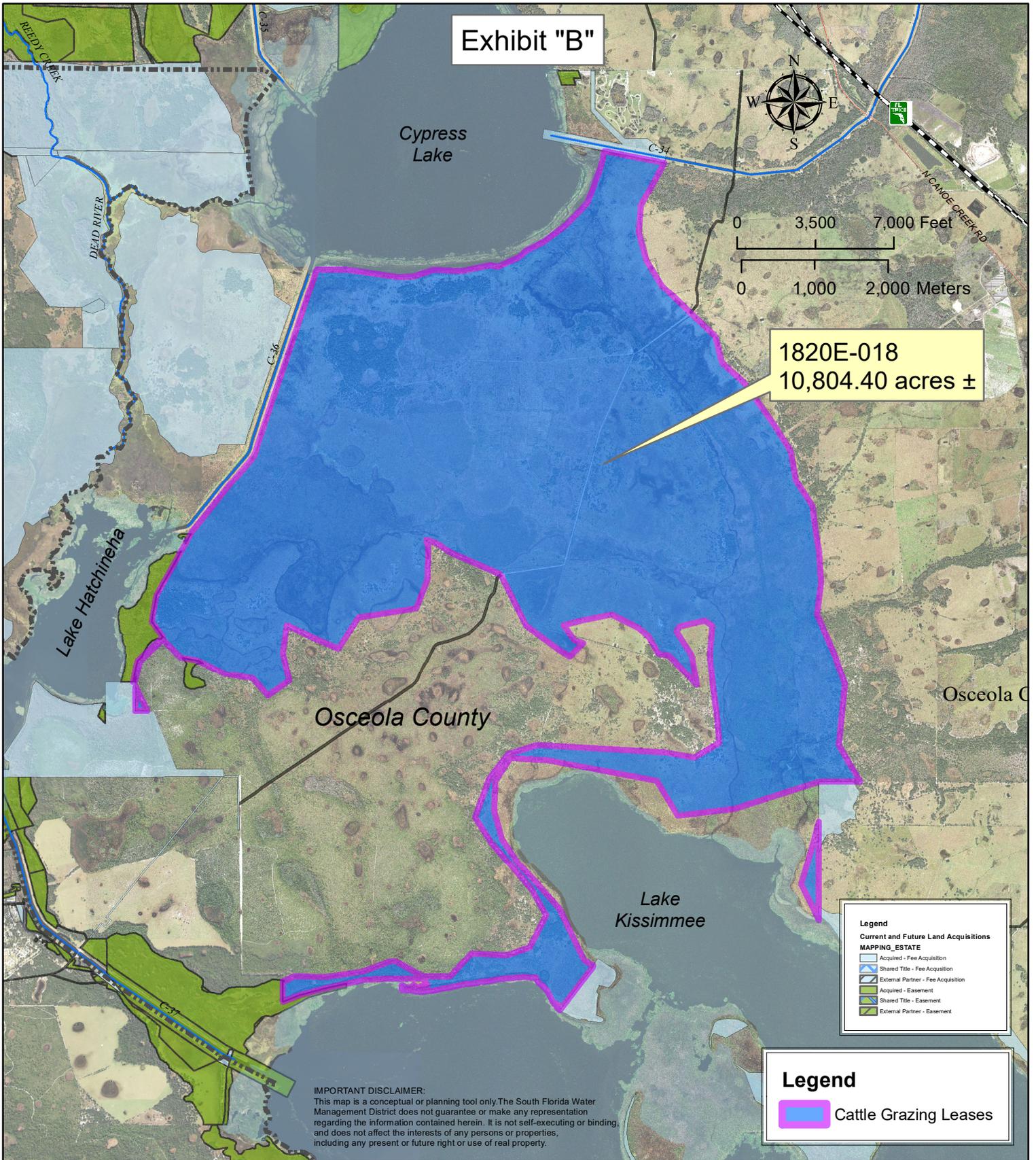


Exhibit "A"



Kissimmee Chain of Lakes Management Area





Encumbrance 1820E-018 Osceola County



Map Date: September 2024



Exhibit "C"

1820E-020
609.93 Acres ±

Brahma Island

Lake Kissimmee

Legend

 Lease Interest



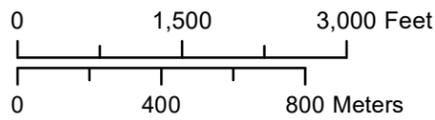
BASE CREDITS:

- Base map from South Florida Water Mgmt. District
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Osceola\OS 2023 3IN 4IN 6IN & Polk\PO 2020 6IN

South Florida Water Management District
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Encumbrance 1820E-020
Osceola County, Florida



0 1,500 3,000 Feet
0 400 800 Meters

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Map Date: September 2024

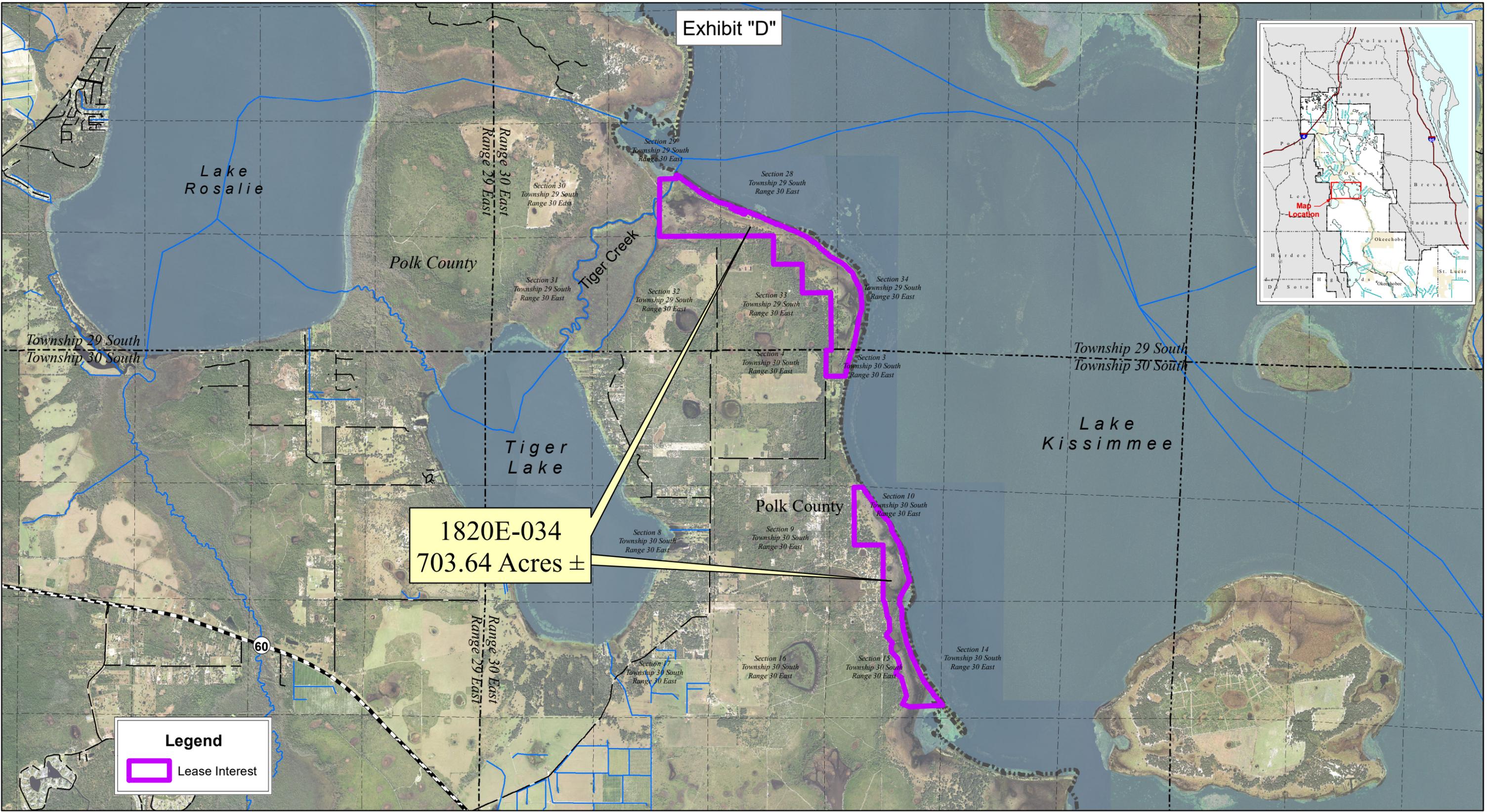


Exhibit "D"

1820E-034
703.64 Acres ±

Legend

 Lease Interest



BASE CREDITS:

- Base map from South Florida Water Mgmt. District
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Polk 2020 6IN

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Encumbrance 1820E-034

Polk County, Florida



0 3,600 7,200 Feet

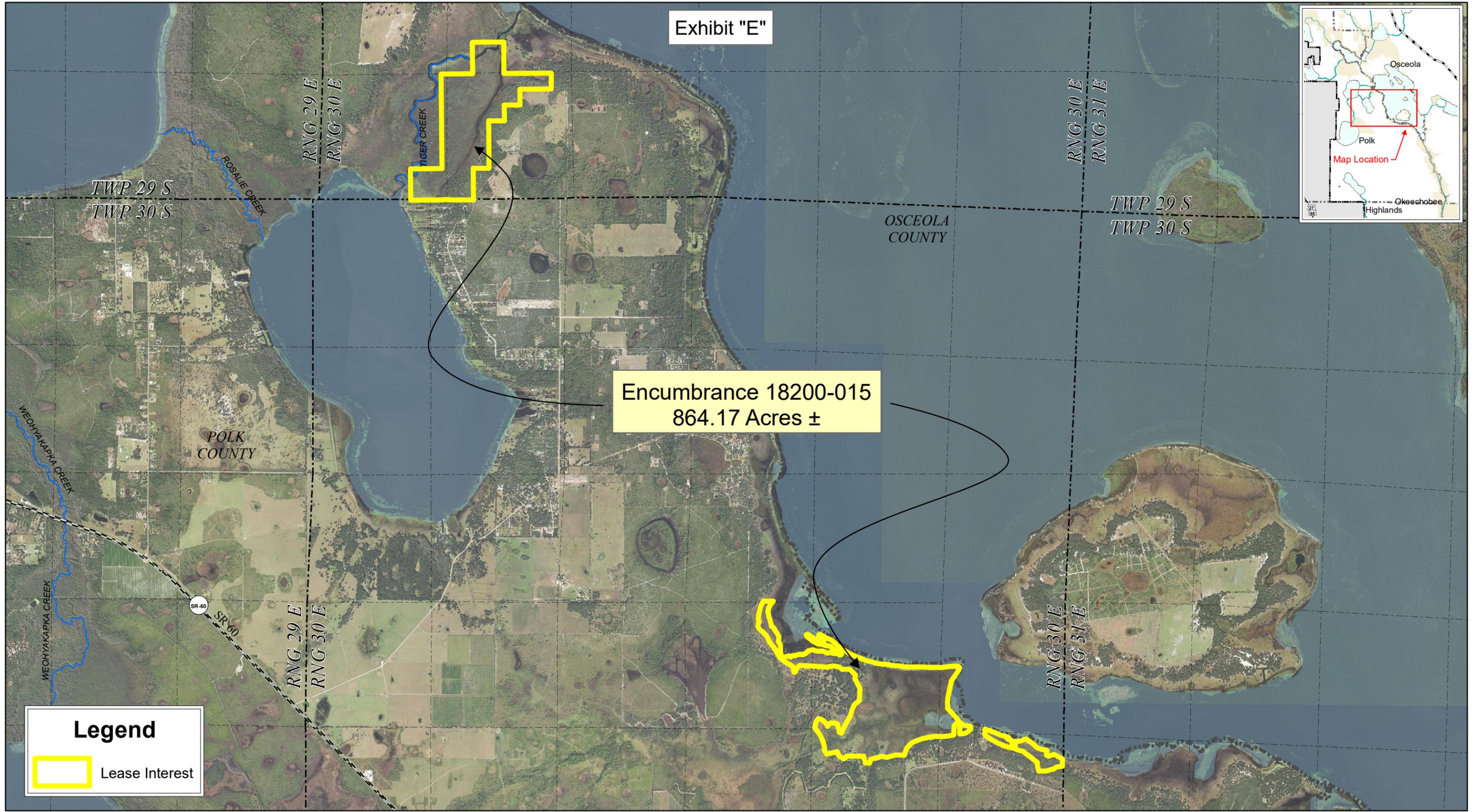
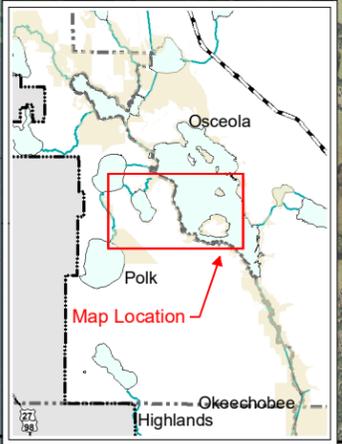
0 1,000 2,000 Meters

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Map Date: September 2024



Exhibit "E"



Encumbrance 18200-015
864.17 Acres ±

Legend

 Lease Interest



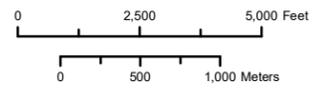
BASE CREDITS:

- Base map from South Florida Water Mgmt. District
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- 2020 Polk & 2023 Osceola County Aerial Imagery

South Florida Water Management District
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Encumbrance 18200-015 Polk County, Florida



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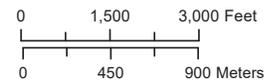
Map Date: September 2024



BASE CREDITS:

- Base map from South Florida Water Mgmt. District, February 2017
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Osceola/OS 2023 3IN 4IN 6IN Aerial

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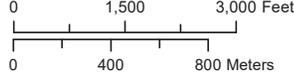


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Map Date: September 2024





	<p>BASE CREDITS:</p> <ul style="list-style-type: none"> • Base map from South Florida Water Mgmt. District • State Plane Projection, Florida East Zone, NAD 83-HARN, US feet • OsceolaOS 2023 3IN 4IN 6IN <p>South Florida Water Management District 3301 Gun Club Rd, West Palm Beach, FL 33406 (561) 686-8800; www.sfwmd.gov</p>		<h2 style="margin: 0;">Encumbrance 1820E-017</h2> <h3 style="margin: 0;">Osceola County, Florida</h3>		<p>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.</p> <p>Map Date: September 2024</p>	
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MEMORANDUM

TO: Governing Board Members

FROM: Ray Palmer, Real Estate

DATE: November 14, 2024

SUBJECT: Land Acquisition, Shingle Creek Project, Orange County

Agenda Item Background:

Shingle Creek is located in southern Orange County and is generally considered to be the headwaters for the Everglades. The District has been acquiring land on a willing seller basis to preserve and protect this resource. Staff is seeking Governing Board approval to acquire two tracts totaling 3.70 acres, more or less, from willing sellers for a cumulative purchase price of \$148,000.

Additional Item Background:

Core Mission and Strategic Priorities:

The proposed acquisition of privately-owned land within the Shingle Creek Project allows the District to achieve ownership consistent with its environmental goals. The acquisitions will continue to consolidate District ownership with other District owned lands. As more parcels are acquired to fill in the scattered ownership pattern, the District will be better able to manage these lands adjacent to Shingle Creek main corridor.

Funding Source:

The purchase price for each parcel is below the market value based on an appraisal of similar Shingle Creek Project lands conducted earlier in 2024. The closing costs will be paid by the sellers. All costs, including acquisition and associated costs, were or will be funded from the District's Wetland Mitigation Fund.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2024-1103](#)

[Exhibit A Map](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024-11XX

A Resolution of the Governing Board of the South Florida Water Management District to acquire land interests in two tracts totaling 3.70 acres, more or less, in the total amount of \$148,000, located in the Shingle Creek Project Area in Orange County, for which dedicated funds (Wetland Mitigation Fund) are budgeted; providing an effective date.

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

WHEREAS, the South Florida Water Management District desires to purchase land interests in two tracts totaling 3.70 acres, more or less, in the amount of \$148,000 for the Shingle Creek Project, as shown on the location map Exhibit "A," attached hereto and made a part hereof, and declare surplus, disposal of, and removal from the asset records, any such structures and improvements deemed unnecessary for the stated purpose for the original land acquisition; and

WHEREAS, all costs are to be funded from the District's Wetland Mitigation Fund for the acquisition and associated costs; and

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

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes the acquisition of land interests containing 2.47 acres, more or less, in the amount of \$98,800 and 1.23 acres, more or less, in the amount of \$49,200 for the Shingle Creek Project in Orange County, together with associated costs, for which dedicated funds (Wetland Mitigation Fund) have been budgeted as follows:

This space intentionally left blank.

Owner	Tract No.	Interest	Acres	Appraised Value*	Purchase Price
Caron Marie Massey, Melony Roberts, Linda Patrice Jones, Carli Brennen	26103-331	Fee	2.47	\$148,200	\$98,800
Mary A. (McGrath) Krim as the Trustee of the Mary A. (McGrath) Krim Revocable Trust dated January 27, 1999 and Mary A. (McGrath) Krim as Successor Trustee of the John W. Krim Revocable Trust dated January 27, 1999.	26103-135	Fee	1.23	\$73,800	\$49,200

*Based on a 2024 appraisal of similar lands within the Shingle Creek Project in Orange County

Amount	Fund	Fund Center	Functional Area	GL Account #	Account Description
\$98,800	409020	3510144000	AA05	580020	Acquisition
\$49,200	409025	3510144000	AA05	580020	Acquisition

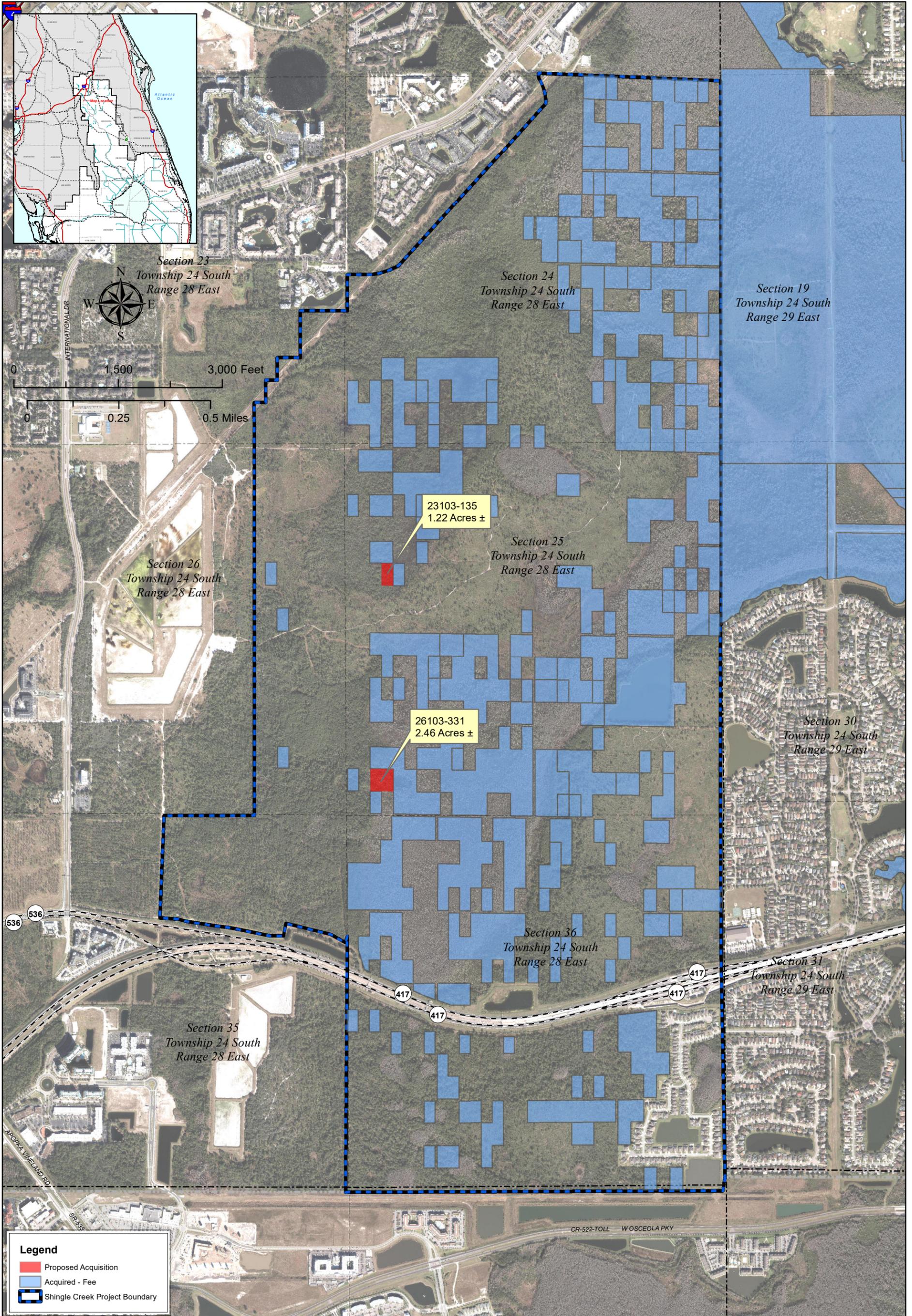
Section 2. The Governing Board of the South Florida Water Management District hereby further approves declaring surplus, disposal of and removal from the asset records, any such structures and improvements deemed unnecessary for the stated purpose of the original land acquisition.

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

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

PASSED and ADOPTED this 14th day of November, 2024.

Exhibit "A"



Shingle Creek 26103-135 and 26103-331 Orange County, Florida

BASE CREDITS:
 • Base map from South Florida Water Mgmt. District, February 2017
 • State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
 • Orange County 2022 3IN 6IN Aerial

South Florida Water Management District
 3301 Gun Club Rd, West Palm Beach, FL 33406
 561-686-8800 - FL WATS 1-800-432-2045
 P.O. Box 24680 - West Palm Beach, FL 33416-4680

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Map Date: October 2024

MEMORANDUM

TO: Governing Board Members
FROM: Ray Palmer, Real Estate
DATE: November 14, 2024
SUBJECT: Release of Reservations

Agenda Item Background:

The District has certain reserved rights to construct canal rights of way. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need for the reservations. Applications are also routed to local governments and water control districts to ascertain their potential need for the reservation. If it has been determined there is no present or future need, the reservation may be released for a reasonable and appropriate payment based on the value of the land and may require such other terms and conditions determined by the Board.

For this reservation, staff recommend that the reservations be released for payment of \$200,000.00. This release payment was negotiated with the applicant and represents a land value and payment sixty-three percent greater than the standard calculation based on assessed value and is considered reasonable and appropriate.

Staff evaluated the property's size and location for future flood control and reclamation purposes related to water storage and conveyance. Lake Worth Drainage District (LWDD) canals are located on the north and east sides of the applicant's property and LWDD is requiring conveyance from the owner for additional adjacent right of way to widen the canals in the future.

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

Palm Beach County

- Release District canal reservations for Morningstar Nursery, Inc. (File No. 18944) for 14.45+/- acres; subject to release value payment in the amount of \$200,000.00

Additional Item Background:

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

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

Staff Contact and/or Presenter:

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

ATTACHMENTS:

Memorandum Exhibit A

Resolution No. 2024-1104

Maps

MEMORANDUM – EXHIBIT “A”

Palm Beach County

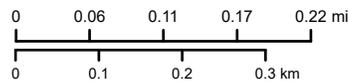
File No: 18944
Applicant: Morningstar Nursery, Inc., a Florida profit corporation
Reserving Deeds: T-1523 (DB 297-179, 6/30/1925) and T-2421 (DB 348-86, 10/15/1925)
Application Fee: \$250.00
Release Value: \$200,000.00 (unpaid)
Action: Release District canal reservations, subject to payment of \$200,000.00 for release of District real property interests
Acres: 14.45 acres, more or less
Legal Description: Portions of Tracts 71, 89, 103 and 104, and all of Tract 90, PALM BEACH FARMS COMPANY PLAT NO. 1, PB 2-26, Section 17, Township 46 South, Range 42 East
Location: 14600 Starkey Road, Delray Beach, Palm Beach County
Reviewed By: Real Estate Bureau; Field Operations Division; Water Supply Development Section; Right of Way Section; Environmental Recourse Permitting Bureau; Ecosystem Restoration Division; Engineering, Construction and Modeling Division; Office of Resiliency; Palm Beach County Engineering, and Lake Worth Drainage District



18944



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



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MEMORANDUM

TO: Governing Board Members

FROM: Rich Virgil, P.E., Field Operations Division

DATE: November 14, 2024

SUBJECT: Mowing Contract Amendment, Clewiston Field Station Area of Responsibility

Agenda Item Background:

Maintenance of District lands is required to ensure that vegetation is controlled at the appropriate height to provide for optimal performance and operational efficiency of the District's flood control system. This is a proposed contract amendment for additional mowing services for the A2 Stormwater Treatment Area (STA) and the C-139 Flow Equalization Basin (FEB) adding an additional 3,250 acres annually for an approximate total of 16,366 annual acres. The original contract for the mowing of various District lands and canal and levee rights of way in the Clewiston Field Station area of responsibility, including Palm Beach, Hendry, Glades and Broward Counties, was competitively advertised and awarded to CM Harris, Inc., in February 2023.

Additional Item Background:

Core Mission and Strategic Priorities:

Mowing the District's rights of way reduces and controls vegetative growth along canal banks which can impede operations, inspections and access to the District's water control facilities.

Staff Contact and/or Presenter:

Rich Virgil, P.E., rvirgil@sfwmd.gov, 561-682-6759

ATTACHMENTS:

[Resolution No. 2024-1105](#)

[Backup Presentation](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize an amendment to the contract with CM Harris, Inc., for mowing services of various District lands and canal and levee rights of way in the Clewiston Field Station area of responsibility, including Palm Beach, Hendry, Glades and Broward Counties, to increase mowing acres by 3,250 annually, in an amount not-to-exceed \$332,832.50 for a total revised contract amount of \$2,100,213.50 of which \$452,696 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2024-2025; providing an effective date. (Contract No. 4600004708-A01)

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 the contract with CM Harris, Inc., for mowing services of various District lands and canal and levee rights of way in the Clewiston Field Station area of responsibility, including Palm Beach, Hendry, Glades and Broward Counties, to increase mowing acres by 3,250 annually, in an amount not-to-exceed \$332,832.50 of which \$452,696 in dedicated funds (State Appropriations) and Ad Valorem funds are budgeted in Fiscal Year 2024-2025.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes an amendment to the contract with CM Harris, Inc., for mowing services of various District lands and canal and levee rights of way in the Clewiston Field Station's area of responsibility. (Contract No. 4600004708-A01)

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

PASSED and ADOPTED this 14th day of November 2024.



Right of Way Mowing Services, Clewiston Field Station

Richard Virgil
Division Director
Field Operations & Land Management Division
Governing Board Meeting
November 14, 2024

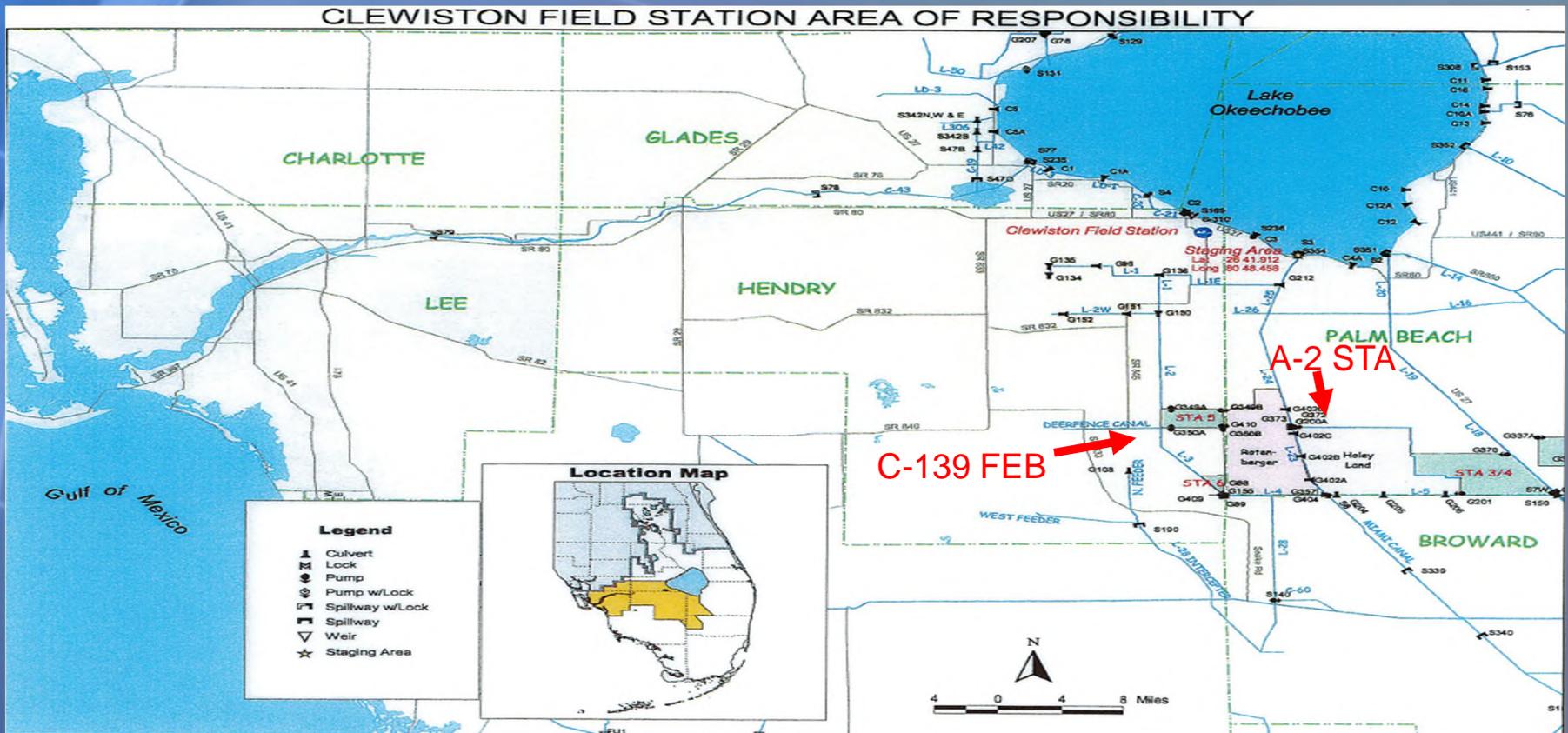
Introduction



The Clewiston Field Station area of responsibility includes Palm Beach, Hendry, Glades and Broward Counties. Within these Counties, the Field Station maintains approximately:

- 320 miles of canal and levee rights of way with approximately 51 access gates
- 13,116 acres annually of various District lands including canals and levees.
- Clewiston Field Station set to acquire additional 3,250 acres annually with the completion of C-139 FEB and A-2 STA.
- Acres to be added to CM Harris Contract No. 4600004708 dated March 30, 2023.

Location Map



Mowing of the System



Canals



Levees



Services include the use of conventional high production machine mowing and trimming equipment

Contract Number: 4600004708

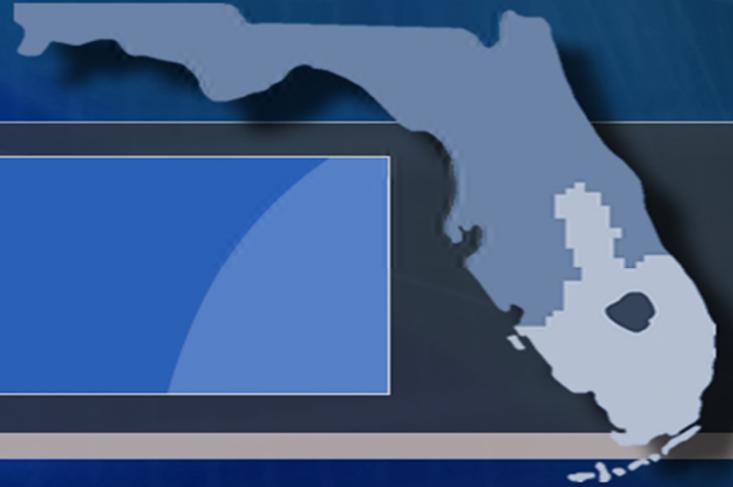


Title: Right-of-Way Mowing Services, Clewiston Field Station, Eastern and Western Service Areas, Palm Beach, Hendry, Glades and Broward Counties.

Bid Summary:

- **Effective Date: March 30, 2023**
- **Bid Price: \$24.50 per acre**

Discussion



MEMORANDUM

TO: Governing Board Members

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

DATE: November 14, 2024

SUBJECT: Design/Build of the Operations Facility Project Amendment No. 2, Phase Two Early Works, Site Development Construction, Palm Beach County

Agenda Item Background:

As part of the Operations & Maintenance Capital Program, the Operations Facility Project, located in Palm Beach County, will relocate our flight operations to a permanent facility on District lands. The Flight Operations Unit (FOU) provides safe, efficient, and economical aircraft support for the District. Highly experienced pilots fly 1,800 hours per year cumulatively performing the FOU support activities. Flight activities support emergency operations such as pre- and post-storm flights, water quality sampling, inspections of the flood control system and construction projects, regulation flights, wildlife and blue green algae surveys, and other important District initiatives and mandates.

In recent years, the FOU has been leasing office, workshop and hangar space at the Palm Beach International Airport from Signature Flight Support (SFS). The lease with SFS is scheduled to expire December 2025 and is non-renewable. An extensive investigation to find a new location has been conducted and no existing alternative facility has been found. A District owned and operated facility needs to be constructed to relocate the District aircraft and staff to continue to conduct required operations and maintenance activities, and moving the facility to District-owned land ensures uninterrupted operations, saves in long-term capital and future lease costs, and allows the District to purchase fuel at half the price.

This Project consists of the design and construction of a new and easily accessible, permanent Flight Operations Facility located at the southwest intersection of Southern Boulevard and Flying Cow Road adjacent to Stormwater Treatment Area 1E. It includes a hangar building space to support maintenance of helicopters, parts storage, and office facilities for mechanics and pilots. The site will include a helipad, tarmac for helicopter flight path, site security, vehicle parking and fuel facility. The facility will be built to current building code and will protect the District assets during storm events making them available for immediate deployment after the damaging winds have receded from a storm event.

The District is using the Progressive Design/Build procurement method to work in collaboration with the Contractor from the conceptual phase through construction phase. The current Contract provides for the Design/Builder to deliver the Phase One Services Technical Exhibits for the Operations Facility through Final Design (100%).

Amendment No. 2 advances the Site Development portion of the work to Phase Two (construction), to provide clearing and grubbing, site fill, final grade development, roadways, underground utilities, and temporary power and water services, while the design of the hangar and appurtenances are finalized.

Additional Item Background:

Core Mission and Strategic Priorities:

Operations Facility Project supports the District's missions of ecosystem restoration, water quality, water supply, emergency management and flood control.

Funding Source:

Operations Facility Project is funded with Ad Valorem funds.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2024-1106](#)

[Backup Presentation](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 11XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize an amendment to the Design Build contract with State Contracting and Engineering Corporation, for the Phase Two Early Works Operations Facility Site Development construction for 167 days in an amount not-to-exceed \$3,144,588, for which Ad Valorem funds are budgeted in Fiscal Year 2024-2025; providing an effective date. (Contract No. 4600004936-A02).

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to amend the contract with State Contracting and Engineering Corporation authorizing Phase Two Early Works for the Operations Facility Site Development construction.

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 contract amendment with State Contracting and Engineering Corporation, for the Phase Two Early Works Operations Facility Site Development construction in an amount not-to-exceed \$3,144,588, for which Ad Valorem funds are budgeted in Fiscal Year 2024-2025. (Contract No. 4600004936-A02).

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

PASSED and ADOPTED this 14th day of November, 2024.

Location Map



Background

- The Operations Facility is committed to providing safe, efficient, and economical aircraft support for all SFWMD needs.
- The pilots fly approximately 2,000 hours per year.
- In recent years, the District has been leasing office, workshop and hangar space at the Palm Beach International (PBI) Airport from Signature Flight Support, and the existing lease is expiring December 2025.
- To reduce costs of operation and enhance the operations and maintenance, it has been determined that it is more cost effective for the Facility to be on SFWMD lands and would provide more control over resources.
- During hurricane events and other critical emergency situations/operations, full control over an Operations Facility is more beneficial.
- Having a central facility like the one proposed allows for a quicker response time and easier planning to transfer the helicopters to hurricane-safe buildings/structures; and faster access post-storm, which is critical for a timely response by the SFWMD.

Scope

- This project consists of the design (Phase 1) and construction (Phase 2) of a new and easily accessible, permanent Operations Facility located at the southwest intersection of Southern Boulevard and Flying Cow Road
- Work includes:
 - Helipad and associated helicopter parking area, and above-ground fuel facility for three SFWMD helicopters
 - Hangar, with maintenance, storage and office facilities for mechanics and pilots
- The use of the design/build procurement method allows the District to work in collaboration with the Design Builder from the conceptual phase through construction
- Amendment No. 1 revised the Phase One Services Milestones to reflect the actual NTP date
- This item seeks the approval of Amendment No. 2 to advance the Site Development portion of the work to construction (Phase 2) early, and allow clearing and grubbing, site fill, final grade development, roadway, underground utilities, and temporary power and water services activities to begin, while the design of the helipad, hangar and appurtenances are finalized

Rendering



MEMORANDUM

TO: Governing Board Members

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

DATE: November 14, 2024

SUBJECT: USGS Caribbean-Florida Water Science Center (Ft. Lauderdale and Orlando)

Agenda Item Background:

Groundwater monitoring is critical to the District's water supply mission and its ability to monitor movement of the saltwater interface in our coastal aquifers, manage water resources during water shortages, calibrate and apply groundwater models that support water supply planning efforts, and evaluate the effects of new projects on existing legal users of water. Surface water monitoring data are utilized to calibrate surface water models. The District supplements its monitoring coverage utilizing the existing U.S. Geological Survey (USGS) network of wells. These Joint Funding Agreements continue the District's long-standing partnership with the USGS for an additional three-year period.

These agreements will ensure continuity of the monitoring data. The monitoring work includes the collection of monthly, quarterly, semi-annual, continuous recorder and satellite telemetry data from 48 surface water stations including flood resiliency, 5 meteorology/evapotranspiration stations, and groundwater level data from 262 groundwater stations. Data is archived in the USGS's national database, and then transferred to the District via direct computer link on a monthly or as-needed basis.

Additional Item Background:

Core Mission and Strategic Priorities:

Joint Funding Agreements with the USGS supports the core missions of water supply and protection of water resources.

Funding Source:

Joint Funding Agreements with the USGS will be funded through Ad Valorem funds.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[A. Resolution No. 2024-1107](#)

[B. Resolution No. 2024-1108](#)

[Backup Presentation](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a three-year Joint Funding Agreement with the United States Geological Survey, United States Department of the Interior, Caribbean-Florida Water Science Center (Ft. Lauderdale), for groundwater, surface water, meteorology/evapotranspiration monitoring data, in an amount not-to-exceed \$4,000,000, for which \$1,467,031 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets; providing an effective date. (Contract No. 4600005106)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to authorize entering into a three (3) year Joint Funding Agreement with the U.S. Geological Survey, United States Department of the Interior, Caribbean-Florida Water Science Center (Ft. Lauderdale) for groundwater, surface water, and meteorology/evapotranspiration monitoring data.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a three - year Joint Funding Agreement with the United States Geological Survey, United States Department of the Interior, Caribbean-Florida Integrated Science Center (Ft. Lauderdale), for groundwater, surface water, meteorology/evapotranspiration monitoring data in an amount not-to-exceed \$4,000,000, for which \$1,467,031 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005106)

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

PASSED and ADOPTED this 14th day of November, 2024.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - XXXX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a three-year Joint Funding Agreement with the United States Geological Survey, United States Department of the Interior, Caribbean-Florida Water Science Center (Orlando), for groundwater, surface water, meteorology/evapotranspiration monitoring data, in an amount not-to-exceed \$1,500,000, for which \$381,907 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets; providing an effective date. (Contract No. 4600005105)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to authorize entering into a three-year Joint Funding Agreement with the U.S. Geological Survey, United States Department of the Interior, Caribbean-Florida Water Science Center (Orlando) for groundwater, surface water, and meteorology/evapotranspiration monitoring data.

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

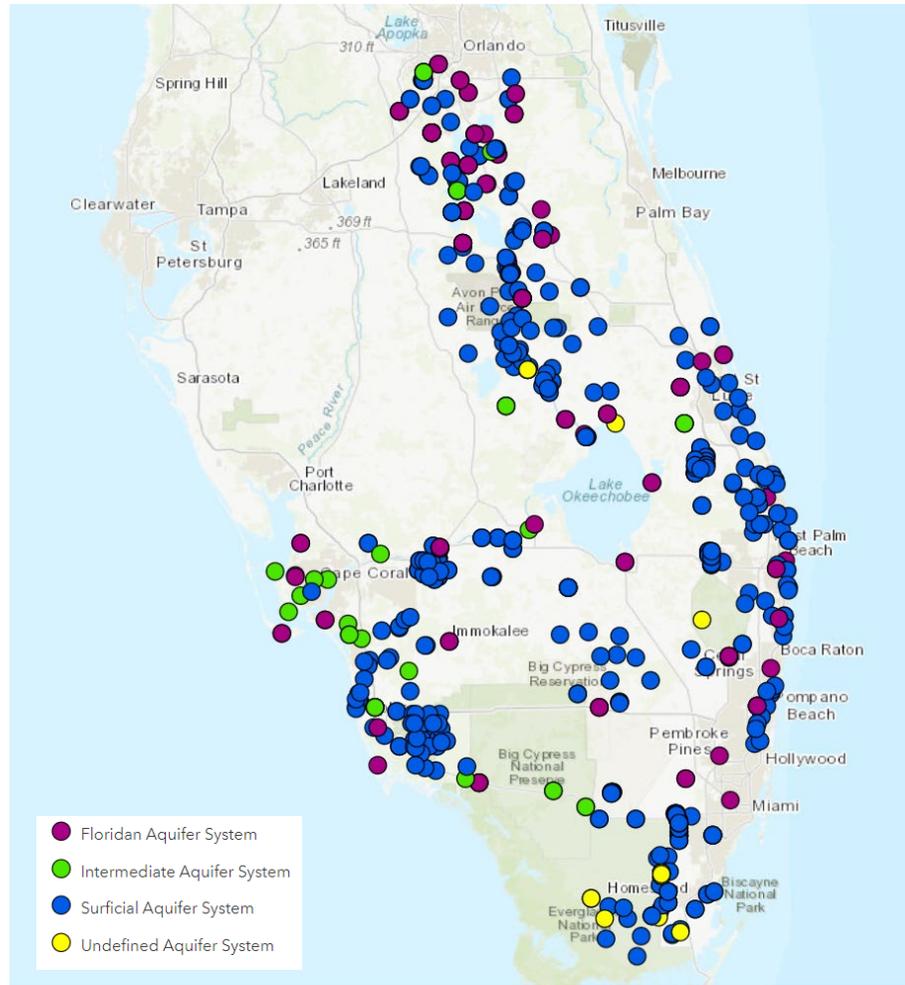
Section 1. The Governing Board of the South Florida Water Management District hereby approves the three-year Joint Funding Agreement with the United States Geological Survey, United States Department of the Interior, Caribbean-Florida Integrated Science Center (Orlando), for groundwater, surface water, meteorology/evapotranspiration monitoring data in an amount not-to-exceed \$1,500,000, for which \$381,907 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets. (Contract No. 4600005105)

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

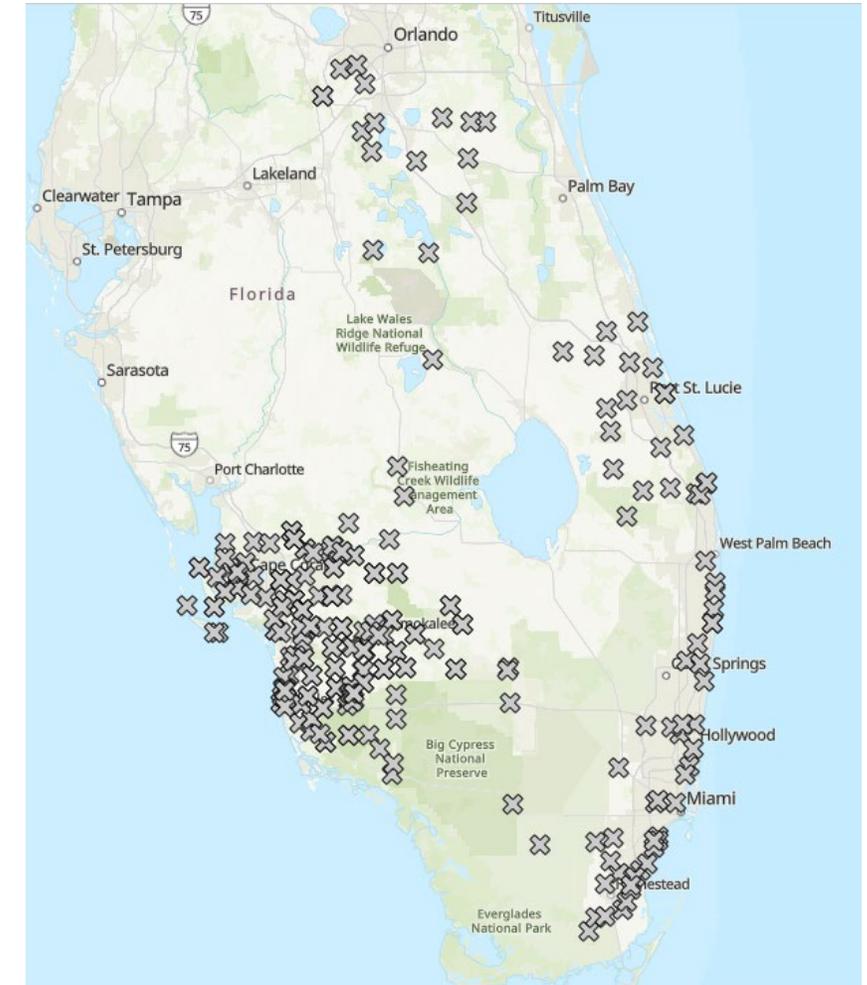
PASSED and ADOPTED this 14th day of November, 2024.

Location Map

SFWMD Groundwater Network



USGS Groundwater Network



Background

- District is utilizing USGS groundwater and surface water monitoring sites in Lower West Coast to supplement District data
- Groundwater and surface water monitoring is critical to the District's water supply and flood protection mission and its ability to:
 - Monitor movement of the saltwater interface in our coastal aquifers
 - Manage water resources during water shortages
 - Calibrate and apply groundwater models that support water supply planning efforts
 - Evaluate the effects of new projects on existing legal users of water
 - Calibrate and apply surface water models that support flood control efforts

Scope

- Monitoring and data share through Web Conditions page
- Annual Contributions for Fort Lauderdale and Orlando Service Areas, respectively:
 - FY24 and FY25 Federal contribution is \$338,164 and \$137,760 (15-20% cost share)
 - FY24 SFWMD contribution was 1,280,873 and 337,659
 - FY25 SFWMD contribution is \$1,467,031 and \$381,907, which includes 12% monitoring cost increase and addition of new resiliency monitoring sites

Monitoring Station Type/ USGS Service Area	Ft. Lauderdale	Orlando	Total/ Monitoring Type
Surface Water	35	13	48
Groundwater	243	19	262
Meteorology/Evapotranspiration	4	1	5
Total/Area of Responsibility	301	35	336

M E M O R A N D U M

TO: Governing Board Members

FROM: Akintunde Owosina, P.E., Information Technology

DATE: November 14, 2024

SUBJECT: Information Technology Service Management & Asset Management
Subscription Service

Agenda Item Background:

The District's service management software (RemedyForce) will become obsolete in September 2026, requiring the District to either transition to a new platform (Helix) with the same vendor or chose a new solution. IT Division staff reassessed agency current and future needs for service management, compared Helix and other competitive products, and selected a new solution, ServiceNow. Transitioning to ServiceNow will meet our service management needs but also enable the District to integrate our asset management systems on the same platform, consolidating what currently sits on two separate software subscriptions.

Integrating these two systems will enhance the overall effectiveness of both systems and consolidate the knowledgebase in one system. The platform ensures software compliance, lowers license costs through reclamation, and has the capability to reduce Software as a Service (SaaS) expenses. This also improves the efficiency of the annual IT asset inventory, which currently requires significant staff time to complete. This is a vital acquisition for IT Operations.

The benefits of the new platform would accrue to all current RemedyForce users in and outside of the IT Division and would be evident in faster response time from the solution center, increased staff productivity, and user empowerment through a self-service portal.

This request is to enter into a contract with Carahsoft Technology Corporation for two services totaling \$2,779,853:

1. ServiceNow annual software subscription service for an initial three years with two one-year renewal options for a five-year total of \$2,079,287
2. One-time implementation services to build, test, and transition the existing District systems, for a total cost of \$700,566

The SaaS and implementation services will be procured using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the National Association of State Procurement Officials Contract Number AR2472, 43230000-16-NASPO-ACS.

Staff Contact and/or Presenter:

Akintunde Owosina, P.E., aowosin@sfwmd.gov, 561-682-2924

ATTACHMENTS:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 11XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a contract with Carahsoft Technology Corporation for two services totaling \$2,779,853, 1) ServiceNow annual software subscription service for an initial three years with two one-year renewal options in the amount of \$2,079,287, and 2) Implementation services for a one-time cost of \$700,566, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the National Association of State Procurement Officials Contract Number AR2472, 43230000-16-NASPO-ACS, of which \$1,333,348 in Ad Valorem funds are budgeted in Fiscal Year 2024-2025 and the remainder is subject to Governing Board approval of future years' budgets; providing an effective date. (Contract No. 4600005124)

WHEREAS, the District obtained these services using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using National Association of State Procurement Officials Contract Number AR2472, 43230000-16-NASPO-ACS; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a contract with Carahsoft Technology Corporation for two services totaling \$2,779,853, 1) ServiceNow annual software subscription service for an initial three years with two one-year renewal options in the amount of \$2,079,287, and 2) Implementation services for a one-time cost of \$700,566, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the National Association of State Procurement Officials Contract Number AR24728, 43230000-16-NASPO-ACS.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a contract with Carahsoft Technology Corporation for two services totaling \$2,779,853, 1) ServiceNow annual software subscription service for an initial three years with two one-year renewal options in the amount of \$2,079,287, and 2) Implementation services for a one-time cost of \$700,566, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the National Association of State Procurement Officials Contract Number AR24728, 43230000-16-NASPO-ACS. (Contract No. 4600005124)

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

PASSED and ADOPTED this 14th day of November, 2024.

M E M O R A N D U M

TO: Governing Board Members

FROM: Akintunde Owosina, P.E., Information Technology

DATE: November 14, 2024

SUBJECT: VMware vSphere Foundation Software Subscription Service

Agenda Item Background:

The Information Technology Division utilizes VMware software to consolidate virtual servers onto a reduced number of physical servers, significantly lowering the costs associated with additional infrastructure. VMware is critical for delivering scalability and capabilities that support a wide range of the District's applications and services, while ensuring exceptional uptime and resiliency. This platform effectively supports both the District's enterprise operations and critical infrastructure virtual servers, including the Ovation and Factory Talk systems.

This request is to enter into a three-year contract with Insight Public Sector, Inc. for the VMware vSphere Foundation software subscription service for the time period November 20, 2024 through November 19, 2027, in the amount of \$662,072, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS.

Staff Contact and/or Presenter:

Akintunde Owosina, P.E., aowosin@sfwmd.gov, 561-682-2924

ATTACHMENTS:

[Resolution No. 2024-1110](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 11XX

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a three-year contract with Insight Public Sector, Inc. for the VMware vSphere Foundation software subscription service, for the time period November 20, 2024 through November 19, 2027, in the amount of \$662,072, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS, for which Ad Valorem funds are budgeted in Fiscal Year 2024-2025; providing an effective date. (Contract No. 4600005112)

WHEREAS, the District obtained these services using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a three-year contract with Insight Public Sector, Inc. for the VMware vSphere Foundation software subscription service, for the time period November 20, 2024 through November 19, 2027, in the amount of \$662,072, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS.

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

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a three-year contract with Insight Public Sector, Inc. for the VMware vSphere Foundation software subscription service, for the time period November 20, 2024, through November 19, 2027, in the amount of \$662,072, using a special procurement pursuant to Sec 155-6 of the District's Procurement Policy using the State of Florida National Association of State Procurement Officials ValuePoint Software VAR Contract Number CTR060025/43230000-23-NASPO-ACS. (Contract No. 4600005112)

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

PASSED and ADOPTED this 14th day of November, 2024.

MEMORANDUM

TO: Governing Board Members

FROM: Carolina Maran, Ph.D., P.E., Chief of District Resiliency

DATE: November 14, 2024

SUBJECT: Adoption of the 2024 Palm Beach County Local Mitigation Strategy Plan Update

Agenda Item Background:

The purpose of the Palm Beach County Local Mitigation Strategy (LMS) is to develop and execute an ongoing methodology for reducing the community's vulnerability to natural, technological, and human caused hazards (i.e. hurricanes, tornados, wildfires, thunderstorms, marine hazards, floods, man-made hazards, lightening, etc.) and identifies a comprehensive list of goals, objectives, plans, programs and/or projects in an effort to decrease or eliminate the effects of those vulnerabilities. The LMS provides a rational, managed basis for considering and prioritizing mitigation options, and for developing and executing sound, cost-effective mitigation projects. The LMS provides a basis for justifying the solicitation and use of local, state and federal funding sources to support hazard mitigation projects and initiatives. Formal adoption of the 2024 LMS Plan Update by the District's Governing Board is required to receive federal hazard mitigation grant program funding, administered by the Federal Emergency Management Agency (FEMA), for the District's projects in Palm Beach County. There is no cost for the District associated with the formal adoption of this plan.

Additional Item Background:

- The LMS is developed in accordance with the Disaster Mitigation Act of 2000 and Title 44 of the Code of Federal Regulations 201.67 and was approved for a period of five (years) by FEMA on September 17, 2024.
- The LMS allows communities to identify hazards and prioritize unfunded projects to mitigate those hazards when funding becomes available from local, state and federal sources.
- The LMS adoption is required in order to become eligible to receive hazard mitigation grant programs funding administered by FEMA, before and after a disaster strikes, including:
 - Hazard Mitigation Grant Program (HMGP)
 - Flood Mitigation Assistance (FMA)
 - Building Resilient Infrastructure and Communities (BRIC)
- The adoption of the 2024 Palm Beach County Local Mitigation Strategy Plan Update in accordance with Program Administration by States requirements, should be effective September 17, 2024, date of the approval of the most current LMS.

The District has submitted a cost-share funding proposal for the enhancement of culverts along the L-8 canal, through Palm Beach County Local Mitigation Strategy Plan, to the Hazard Mitigation Grant Program (HMGP) funds, managed by Florida Division of Emergency

Management, as a result of the recent Presidential Disaster Declaration for Hurricane Ian (FEMA 4673-DR-FL).

Core Mission and Strategic Priorities:

The adoption of the 2024 Palm Beach County LMS Plan Update supports the District's strategic priority of Flood Control, as well as hazard mitigation strategies in general, by advancing coordination with local, state and federal partners and becoming compliant with the requirements of the FEMA mitigation grant programs.

Funding Source:

There are no associated costs for the adoption of the 2024 Palm Beach County Local Mitigation Strategy Plan Update.

Staff Contact and/or Presenter:

Carolina Maran, Ph.D., P.E., cmaran@sfwmd.gov, 561-682-6868

ATTACHMENTS:

[Resolution No. 2024-1111](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 11XX

A Resolution of the Governing Board of the South Florida Water Management District to adopt the 2024 Palm Beach County Local Mitigation Strategy Plan for the purpose of hazard mitigation funding eligibility; effective November 14, 2024

WHEREAS, Palm Beach County is susceptible to a variety of natural, technological, and human-caused disasters as well as climate change impacts and sea level rise that causes increased inundation, shoreline erosion, flooding from severe weather events, accelerated saltwater contamination of ground water and surface water supplies, and expedited loss of critical habitats; and

WHEREAS, the Disaster Mitigation Act of 2000, was enacted to establish a national disaster hazard mitigation program to reduce the loss of life and property, human suffering, economic disruption, and disaster assistance costs resulting from disasters, and to assist state, local, and tribal governments in implementing effective hazard mitigation measures to ensure the continuation of critical services and facilities after a natural disaster; and

WHEREAS, the Disaster Mitigation Act of 2000, as a condition for qualifying for and receiving future Federal mitigation assistance funding as well as reimbursement for Presidentially Declared Disasters, requires such governments to have Federal Emergency Management Agency approved hazard mitigation plans in place that identify the hazards that could impact their jurisdictions, identify actions and activities to mitigate the effects of those hazards, and establish a coordinated process to implement plans; and

WHEREAS, Palm Beach County's Local Mitigation Strategy (LMS) Plan, in coordination with governmental and non-governmental stakeholders having an interest in reducing the impact of disasters, and with input from the private sector and other members of the public, developed and revised the 2024 Palm Beach County Local Mitigation Strategy Plan; and

WHEREAS, the 2024 Palm Beach County Local Mitigation Strategy Plan has been approved by the Florida Division of Emergency Management and the Federal Emergency Management Agency; and

WHEREAS, the LMS Steering Committee recommends the formal adoption of the 2024 Palm Beach County Local Mitigation Strategy Plan, including planned future enhancements described therein, by the County, all 38 participating municipalities, and other partner agencies.

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 adopts the 2024 Palm Beach County Local Mitigation Strategy Plan , in its entirety, as revised by the LMS Steering Committee as submitted to the Palm Beach County Board of County Commissioners, the Florida Division of Emergency Management and the Federal Emergency Management Agency.

Section 2. The Governing Board of the South Florida Water Management District authorizes the appropriate District Officials to pursue available funding opportunities for implementation of proposed mitigation initiatives described in the Local Mitigation Strategy, and upon receipt of such funding or other necessary resources, seek to implement the actions in accordance with the mitigation strategies set out by the Local Mitigation Strategy

Section 3. The Governing Board of the South Florida Water Management District will continue to support and participate in the Local Mitigation Strategy planning and implementation process as required by Federal Emergency Management agency, the Florida Division of Emergency Management, and the Palm Beach County Local Mitigation Strategy Steering Committee.

Section 4. The Governing Board of the South Florida Water Management District directs the District Clerk to transmit an original of the executed Resolution to the Palm Beach County Division of Emergency Management, attention Local Mitigation Strategy Coordinator, for filing in the Office of the Clerk & Comptroller.

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

PASSED and **ADOPTED** this 14th day of November, 2024.

MEMORANDUM

TO: Governing Board Members

FROM: Maricruz R. Fincher, Office of Counsel

DATE: November 14, 2024

SUBJECT: Settlement Agreement for Be a Man Buy Land, LLC v. South Florida Water Management District, et al.

Agenda Item Background:

This is a suit for declaratory relief, injunctive relief, and for inverse condemnation. The parties attended court-ordered mediation on June 20, 2024, which was continued on September 3, 2024, and reached a settlement contingent on Governing Board approval. The settlement terms include a land transfer, by swap and acquisition, between the Plaintiff, the District, and Martin County in three areas of Pal-Mar known as the East Area, Middle Area, and North and South Chimney Area. As a result of the transfers, the District and Martin County will own all Plaintiff's properties in the East Area, Middle Area, and the South Chimney Area and Plaintiff will own the District and Martin County's properties in the North Chimney Area. The settlement also includes permitting vehicular access for the remaining East Area landowners to the District road located off SW Pratt Whitney Road.

Staff Contact and/or Presenter:

Maricruz R. Fincher, mfincher@sfwmd.gov, 561-682-6457
Judith Levine, jlevine@sfwmd.gov, 561-682-6809

ATTACHMENTS:

[Resolution No. 2024-1112](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 11XX

A Resolution of the Governing Board of the South Florida Water Management District approving a proposed settlement agreement for the purpose of resolving the case styled *Be a Man Buy Land, LLC v. South Florida Water Management District, et al.*, filed in the 19th Judicial Circuit in and for Martin County, Florida, Case No. 2023-CA-00052.

WHEREAS, the Plaintiff brought a suit for declaratory relief, injunctive relief, and for inverse condemnation; and

WHEREAS, the property affected by this suit is located in Martin County, Florida in an area known as Pal-Mar/Hungryland/Palm Beach Heights, which is an expanse of flatwoods and wet prairies that store excess flood waters and serve as feeding and foraging habitat for wildlife. This area forms a critical link in the greenway corridor covering more than 100,000 acres extending from Lake Okeechobee to the Atlantic Ocean and is part of the Save Our Rivers program; and

WHEREAS, the Parties attended court-ordered mediation prior to trial; and

WHEREAS, sections 373.083(1), 373.129, and 373.139, Florida Statutes authorize the South Florida Water Management District to settle existing lawsuits; and

WHEREAS, the Plaintiff and the District have proposed settlement of all claims in the litigation against one another; and

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

Section 1. The Governing Board of the South Florida Water Management District hereby approves the Settlement, Land Agreement, and Purchase Agreement executed by the parties, contingent on Governing Board approval, in the case *Be a Man Buy Land, LLC v. South Florida Water Management District, et al.*, filed in the 19th Judicial Circuit in and for Martin County, Florida, Case No. 2023-CA-00052.

Section 2. The Governing Board of the South Florida Water Management District hereby authorizes the Executive Director or his designee to execute all documents needed to effectuate the terms of the settlement.

Section 3. Consistent with the requirements of section 373.086, Florida Statutes, the Governing Board hereby determines that the ownership of the fee title land interests to be traded in return for approximately double fee title land

Resolution No. 2024 - 11XX

interests is not required by the District for present or future use and no longer needed for conservation purposes.

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

PASSED and **ADOPTED** this 14th day of November, 2024.

MEMORANDUM

TO: Governing Board Members

FROM: Jill Creech, P.E., Regulation

DATE: November 14, 2024

SUBJECT: Amendment of a Recorded Conservation Easement for the Greater Orlando Aviation Authority (Permit No. 48-00063-S)

Agenda Item Background:

Greater Orlando Aviation Authority (Authority) requests an amendment of a 1,151.678-acre recorded conservation easement for a project known as the Greater Orlando Aviation Authority in Orange County. The purpose of the amendment is to specifically permit the Authority to undertake necessary safety activities within the Conservation Easement Area relating to wildlife hazard management in accordance with Federal Aviation Administration rules, regulations, orders, advisory circulars, and guidance. The District agrees to amend the Conservation Easement only with respect to Grantors request to allow for Grantors' compliance with Federal Aviation Administration regulations. In the event an Approved Activity will require an Environmental Resource Permit under Chapter 373, Florida Statutes (ERP), the Grantors shall submit for and obtain an ERP from the District prior to undertaking said triggering Approved Activity.

Staff Contact and/or Presenter:

Jill Creech, P.E., jcreech@sfwmd.gov, 561-682-6814

ATTACHMENTS:

[Resolution No. 2024-1113](#)

[Resolution Exhibit A](#)

[Location Map](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 – 11XX

A Resolution of the Governing Board of the South Florida Water Management District approving an amendment to a recorded conservation easement for a project known as the Greater Orlando Aviation Authority; providing an effective date.

WHEREAS, the District was granted a Deed of Conservation Easement dated October 26, 1999 as recorded in Official Record Book 5883 at Page 3177 of the public records of Orange County, Florida, as amended by the Partial Release of Conservation Easement dated June 12, 2008, and recorded in Official Record Book 9725 at Page 8940 of the Public Records of Orange County, Florida, and the Amendment of Conservation Easement, dated March 15, 2012, and recorded in Official Record Book 10364 at Page 0489. The conservation easement was required under Environmental Resource Permit No. 48-00063-S (“Permit”); and

WHEREAS, Grantors desire to amend the Conservation Easement to specifically permit the Greater Orlando Airport Authority (“Authority”) to undertake necessary safety activities within the Conservation Easement Area relating to wildlife hazard management in accordance with Federal Aviation Administration rules, regulations, orders, advisory circulars, and guidance; and

WHEREAS, the District agrees to amend the Conservation Easement only with respect to Grantors request to allow for Grantors’ compliance with Federal Aviation Administration regulations; and

WHEREAS, in the event an Approved Activity will require an Environmental Resource Permit under Chapter 373, Florida Statutes (“ERP”), the Grantors shall submit for and obtain an ERP from the District prior to undertaking said triggering Approved Activity; and

WHEREAS, the District is empowered to amend the Conservation Easement pursuant Section 704.06, 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 amends the recorded conservation easement, as described in Resolution Exhibit “A” attached hereto and made a part hereof.

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

PASSED and **ADOPTED** this 14th day of November, 2024.

Exhibit A

Permit: _____
Tract: _____

AMENDMENT OF CONSERVATION EASEMENT

This Second Amendment of Conservation Easement (“Second Amendment”) is made this ____ day of _____, 2024 by the **SOUTH FLORIDA WATER MANAGEMENT DISTRICT** (“District”) with its principal address being 3301 Gun Club Road, West Palm Beach, Florida 33406; and the **CITY OF ORLANDO**, a Florida municipal corporation (“City”), and the **GREATER ORLANDO AVIATION AUTHORITY**, a public body, having a mailing address of One Jeff Fuqua Blvd., Orlando, Florida 32827-4399 (the “Authority”) (hereinafter collectively referred to as “Grantors”)

WITNESSETH:

WHEREAS, the Authority holds certain exclusive rights of occupation, operation, control, and use pursuant to that certain Amended and Restated Operation and Use Agreement by and between the City and the Authority dated August 31, 2015; and

WHEREAS, Grantors granted the District that certain Deed of Conservation Easement dated October 26, 1999, and recorded in Official Record Book 5883 at Page 3177 of the Public Records of Orange County, Florida, as amended by the Partial Release of Conservation Easement dated June 12, 2008, and recorded in Official Record Book 9725 at Page 8940 of the Public Records of Orange County, Florida, and the Amendment of Conservation Easement, dated March 15, 2012, and recorded in Official Record Book 10364 at Page 0489 (hereinafter referred to as the "Conservation Easement") encumbering the real property described on Exhibit “A” (the “Conservation Easement Area”); and

WHEREAS, Grantors desire to amend the Conservation Easement to specifically permit the Authority to undertake necessary safety activities within the Conservation Easement Area relating to wildlife hazard management in accordance with Federal Aviation Administration rules, regulations, orders, advisory circulars, and guidance; and

WHEREAS, the District agrees to amend the Conservation Easement only with respect to Grantors request to allow for Grantors’ compliance with Federal Aviation Administration regulations.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the parties hereto, the Grantor and the District hereby agree to amend the Deed of Conservation Easement as follows:

1. **RECITALS**. The above recitals are true and correct and are hereby restated in their entirety and in addition to the recitals contained in the original and first amendment to the Deed of Conservation Easement.

1. **Reserved Rights.** Paragraph 3 entitled Reserved rights is modified by adding the following sentences:

Additionally, the District recognizes that the Grantor is operating a large hub commercial service airport which requires Grantor to undertake certain safety measures within the Conservation Easement Parcel relating to wildlife hazard management in accordance with Federal Aviation Administration (“FAA”) rules, regulations, orders, advisory circulars, and guidance to protect human safety. In accordance with the FAA regulations and notwithstanding the prohibitions set forth in Paragraph 2, the Grantor shall be permitted to take steps to facilitate mitigation of wildlife hazardous to airport operations which is both effective and legal. Specific to habitat modification, the following activities are permitted: the thinning or selective removal of trees, shrubs, detritus or other vegetation in a manner as to not affect the surface, modifying the height of trees, shrubs or other vegetation to no less than 14 feet in forested systems through selective trimming, or habitat exclusion through the use of reducing food or cover. In the event an Approved Activity requires an Environmental Resource Permit under Chapter 373, Florida Statutes (“ERP”), the Grantors shall submit for and obtain an ERP from the District prior to undertaking said triggering Approved Activity.

2. **COVENANT RUNNING WITH THE LAND.** The Conservation Easement shall remain in full force and effect as a covenant running with the land. Except as specifically set forth herein, all provisions of the Conservation Easement shall remain unchanged and in full force and effect.

[Intentionally Blank – Signature Page to Follow]

IN WITNESS WHEREOF, Grantor has executed this Second Amendment on the day and year first above written.

“CITY”
CITY OF ORLANDO, FLORIDA,
a Florida municipal corporation existing under the laws of the State of Florida.

ATTEST:

By: _____
Stephanie Herdocia, City Clerk

By: _____
Mayor / Mayor Pro Tem

[Official Seal]

Date: _____

APPROVED AS TO FORM AND LEGALITY
FOR THE USE AND RELIANCE OF THE CITY
OF ORLANDO, ONLY, THIS ___ DAY OF
_____, 2024.

WITNESSES:

Print Name: _____
Address: _____

By: _____
Chief Assistant City Attorney

Print Name: _____
Address: _____

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this ___ day of _____, 2024, by Mayor / Mayor Pro Tem and Stephanie Herdocia, the City Clerk, respectively, of the City of Orlando, Florida, who are both personally known to me.

Notary Public
My commission expires: _____

**“GOAA”
GREATER ORLANDO AVIATION
AUTHORITY**

ATTEST:

By: _____
Anna Farmer
Assistant Secretary

By: _____
Kevin J. Thibault, P.E. F. ASCE
Chief Executive Officer

Date: _____, 2024

WITNESSES:

Print Name: _____
Address: _____

Print Name: _____
Address: _____

APPROVED AS TO FORM AND LEGALITY
FOR THE USE AND RELIANCE OF THE CITY
OF ORLANDO, ONLY, THIS ___ DAY OF
_____, 2024.
C.J. Wilson Law, P.A., Counsel

By: _____
Christopher J. Wilson, Esq.

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this ___ day of _____, 2024, by Kevin J. Thibault and Anna Farmer, the Chief Executive Officer and Assistant Secretary of the Greater Orlando Aviation Authority, respectively, on behalf of said Greater Orlando Aviation Authority, and who are both personally known to me.

Notary Public
My commission expires: _____

IN WITNESS WHEREOF, _____, of the South Florida Water Management District, has hereunto set its authorized hand this _____ day of _____ 20__.

By: _____

Name: _____

Title: _____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this _____ day of _____, 20__ by _____, _____ (title), Environmental Resource Bureau of the South Florida Water Management District, a government entity created by Chapter 373, Florida Statutes, who is personally known to me.

WITNESS my hand and official seal in the County and State set forth above this _____ day of _____, 20__.

Notary Public

(notary seal)

Print

My Commission Expires: _____

Permit: 48-00063-S
Tract: _____

Return to:
Caroleen M. Dineen, Esq.
Broad and Cassel
390 North Orange Avenue
Suite 1400
Orlando, FL 32801
(407) 839-4200

DOC# 20120205362 B: 10364 P: 0489
04/19/2012 09:00:29 AM Page 1 of 17
Rec Fee: \$146.00
Deed Doc Tax: \$0.70
DOR Admin Fee: \$0.00
Intangible Tax: \$0.00
Mortgage Stamp: \$0.00
Martha O. Haynie, Comptroller
Orange County, FL
PU - Ret To: BROAD AND CASSEL



For Recording Purposes Only

AMENDMENT OF CONSERVATION EASEMENT

This Amendment of Conservation Easement ("Amendment ") is made this 15th day of March, 2012, by and between the **SOUTH FLORIDA WATER MANAGEMENT DISTRICT** ("District") having an address of 3301 Gun Club Road, West Palm Beach, Florida 33406 and a mailing address of Post Office Box 24680, West Palm Beach, Florida 33416-4680; the **CITY OF ORLANDO**, a Florida municipal corporation ("City"); and the **GREATER ORLANDO AVIATION AUTHORITY**, an agency of the City of Orlando ("Authority"), created and existing under the laws of the State of Florida pursuant to that certain Operation and Use Agreement dated September 27, 1976, having an address at One Airport Blvd., Orlando, FL 32827.

WITNESSETH:

WHEREAS, the City and Authority granted in favor of the District that certain Deed of Conservation Easement dated October 26, 1999, and recorded in Official Record Book 5883 at Page 3177 of the Public Records of Orange County, Florida (hereinafter referred to as the "Conservation Easement") encumbering the real property in Orange County, Florida described on Exhibit "A" to the Conservation Easement (hereinafter referred to as the "Original Premises"); and

WHEREAS, the District granted a Partial Release of Conservation Easement dated June 12, 2008, and recorded in Official Record Book 9725 at Page 8940 of the Public Records of Orange County, Florida (hereinafter referred to as the "Partial Release") releasing a portion of the real property included in the Original Premises and affirming the operation and effect of the Conservation Easement with respect to the real property described in the Original Premises not released in the Partial Release (hereinafter referred to as the "Remainder Premises"); and

City Council Meeting: 8/15/11
Item: 2-1 Documentary: 110815501

WHEREAS, the District has been requested to amend the Conservation Easement to release the Conservation Easement with respect to a portion of the Original Premises that was not subject to the Partial Release (hereinafter referred to as the "Release Parcel") and accept the grant by the City and Authority of a conservation easement over an equivalent portion of real property not included in the Original Premises (hereinafter referred to as the "Creation Parcel");

WHEREAS, the District also has been requested to amend the Conservation Easement to correct certain errors in the legal description of the Original Premises as reflected in Exhibit "A" to the Conservation Easement and affirmed as the Remainder Premises in the Partial Release;

WHEREAS, the District is amenable to amending the Conservation Easement as requested by the City and Authority; and

WHEREAS, the District, City, and Authority intend to amend the Conservation Easement to clarify the legal description of the real property encumbered by the Conservation Easement to reflect the: (1) revisions as requested by the City and the Authority and described in this Amendment and the previously recorded Partial Release; and (2) correction of certain errors in the legal description of the Original Premises.

NOW, THEREFORE, for good and valuable consideration, the adequacy and receipt of which are hereby acknowledged, the parties agree as follows:

1. **Recitals.** The above recitals are true and correct and are incorporated herein by reference.

2. **Substitution.** The real property described in **Exhibit "1"** to this Amendment is the real property encumbered by this Conservation Easement. The legal description attached as Exhibit "1" to this Amendment completely supersedes and replaces the legal description attached as Exhibit "A" to the Conservation Easement as recorded at Official Record Book 5883 and Page 3177 of the Public Records of Orange County, Florida, and the legal description of the Property identified as the Remainder Premises in the Partial Release recorded at Official Record Book 9725 and Page 8940 of the Public Records of Orange County, Florida, and those previous legal descriptions are hereby deemed null and void. The District hereby amends the Conservation Easement to discharge, terminate, and release the Conservation Easement with respect to real property that is not described in Exhibit "1" to this Amendment but was described as part of the Original Premises in Exhibit "A" to the Conservation Easement or as part of the Remainder Premises in the Partial Release. The City and Authority hereby amend the Conservation Easement to grant a conservation easement over real property that is described in Exhibit "1" to this Amendment but was not described as part of the Original Premises in Exhibit "A" to the Conservation Easement or as part of the Remainder Premises in the Partial Release. This Amendment does not impair the operation and effect of the Conservation Easement as to the real property previously described as part of the Original Premises in Exhibit "A" to the Conservation Easement or as part of the Remainder Premises in the Partial Release that have not been released through either the Partial Release or this

Amendment.

3. **Reaffirmation.** Except as specifically set forth herein, all provisions of the Conservation Easement shall remain unchanged and in full force and effect. All references in the Conservation Easement to "Property" shall hereafter mean and refer to the real property described in Exhibit "1" to this Amendment.

IN WITNESS WHEREOF, the parties have caused this Amendment of Conservation Easement to be executed on the day and year first above written.

DISTRICT

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



By: Joe Collins
Chairperson

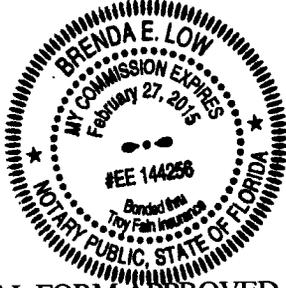
ATTEST:

Justin McGorty

Clerk of the South Florida Water Management District

STATE OF FLORIDA
COUNTY OF

The foregoing instrument was acknowledged before me this 15 day of March, 2012, by Joe Collins of the South Florida Water Management District, a public corporation of the State of Florida, on behalf of the corporation, who is personally known to me.



Brenda E. Low

Notary Public

Brenda E. Low

Print

My Commission Expires: Feb 27, 2015

LEGAL FORM APPROVED
BY OFFICE OF COUNSEL

CITY

Witnesses:

Carolyn A. Skuta
Print Name: Carolyn A. Skuta

Sheila C. Williams
Print Name: Sheila C. Williams

CITY OF ORLANDO

By: [Signature]
Name: Ph. L. Diamond
As Its: Mayor Pro Tem

ATTEST:
[Signature]
By: Alana Brenner, Secretary

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 9th day of August, 2011, by Ph. L. Diamond as Mayor Pro Tem, and attested to by Alana Brenner as City Clerk, respectively, of the City of Orlando, on behalf of the City of Orlando. He/she is personally known to me or has produced _____ as identification.

Carolyn A. Skuta
Printed Name: Carolyn A. Skuta
State of Florida
Commission No.: _____
My Commission Expires: _____
NOTARY PUBLIC STATE OF FLORIDA
Carolyn A. Skuta
Commission # DD862244
Expires: APR. 04, 2013
BONDED THRU ATLANTIC BONDING CO., INC.

(Notary Seal)

Approved as to form and legality this _____ day of _____, 20__.

By: _____
City Attorney

AUTHORITY

Witnesses:

[Signature]
Print Name: Gina Conte

[Signature]
Print Name: Alba L. Buena

**GREATER ORLANDO AVIATION
AUTHORITY**

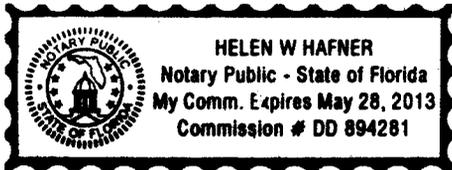
By: [Signature]
Name: CESAR E. Calvet
As Its: Chairman

ATTEST:

[Signature]
By: **DAYCI S. BURNETTE-SNYDER**, Secretary
ASSISTANT SECRETARY

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 23 day of June, 2011 by Cesar Calvet as Chairman, and attested to by Dayci Burnette-Snyder Asst Sec., respectively, of the Greater Orlando Aviation Authority on behalf of the Greater Orlando Aviation Authority. He/she is personally known to me or has produced _____ as identification.



[Signature]
Printed Name: Helen Hafner
State of Florida
Commission No.: DD 894281
My Commission Expires: May 28, 2013

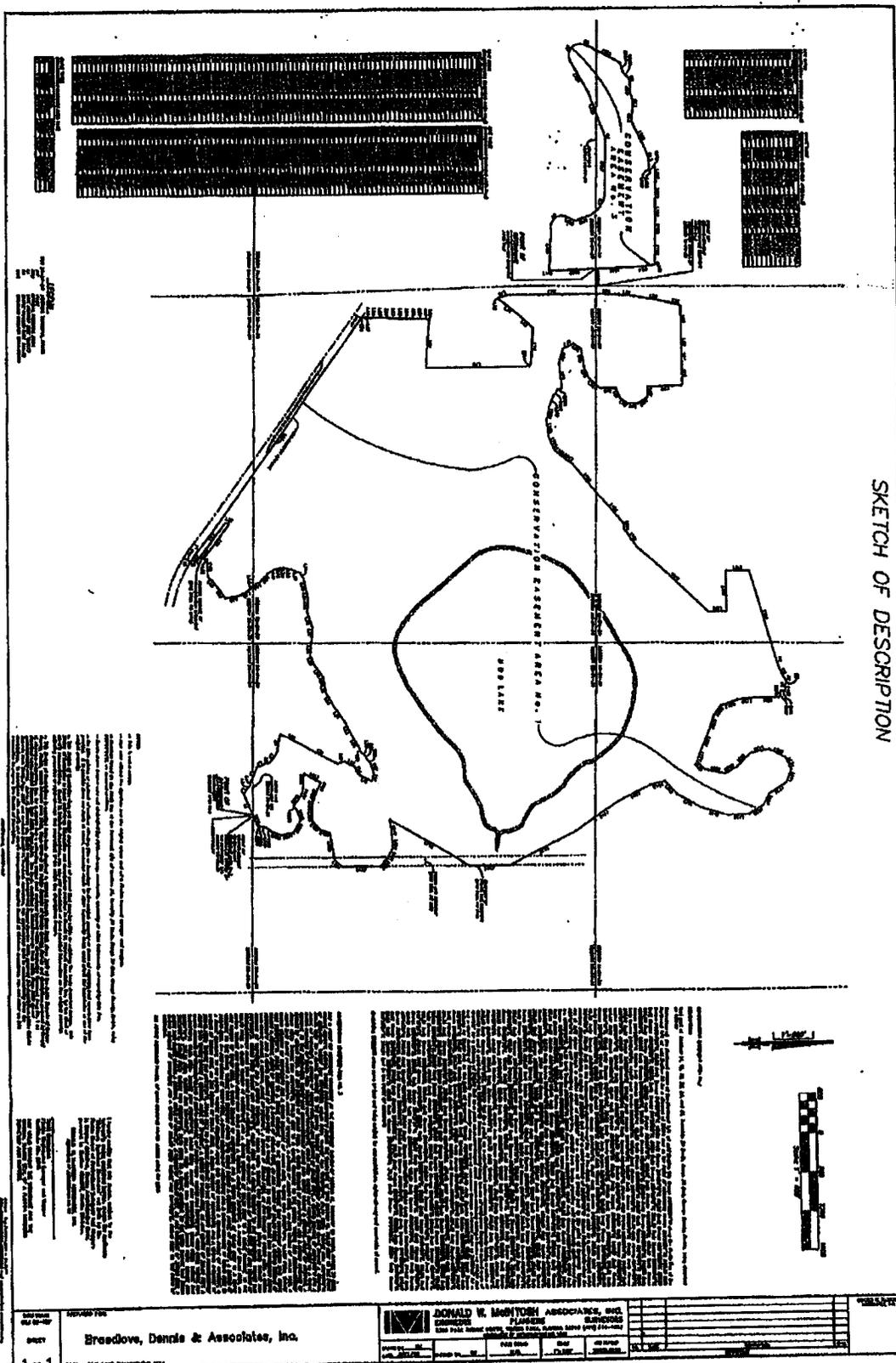
(Notary Seal)

Approved as to form and legality this 8 day of June, 2011.

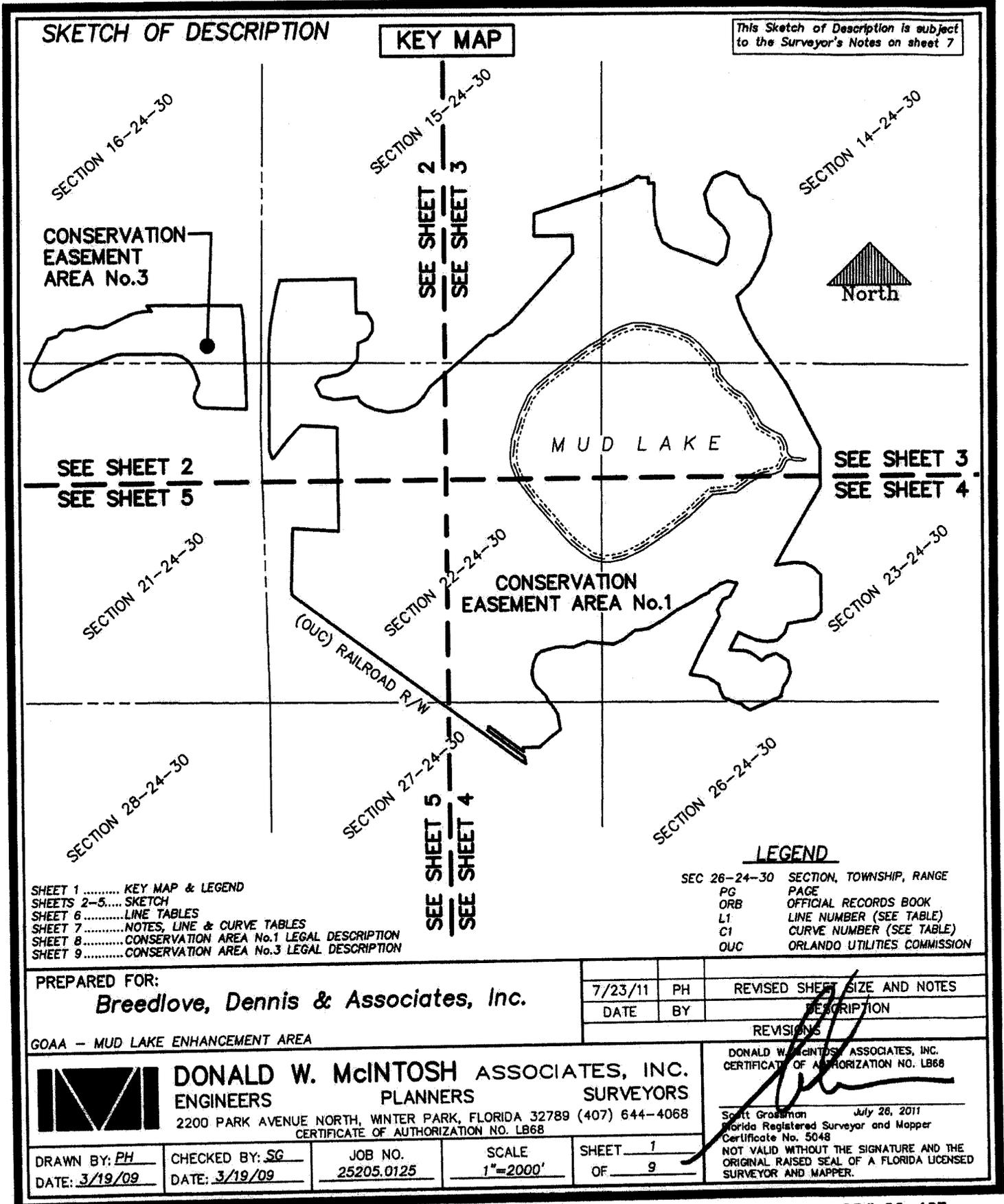
Broad and Cassel

By: [Signature]
General Counsel/Greater Orlando Aviation Authority

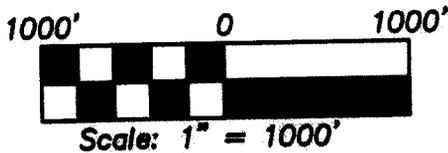
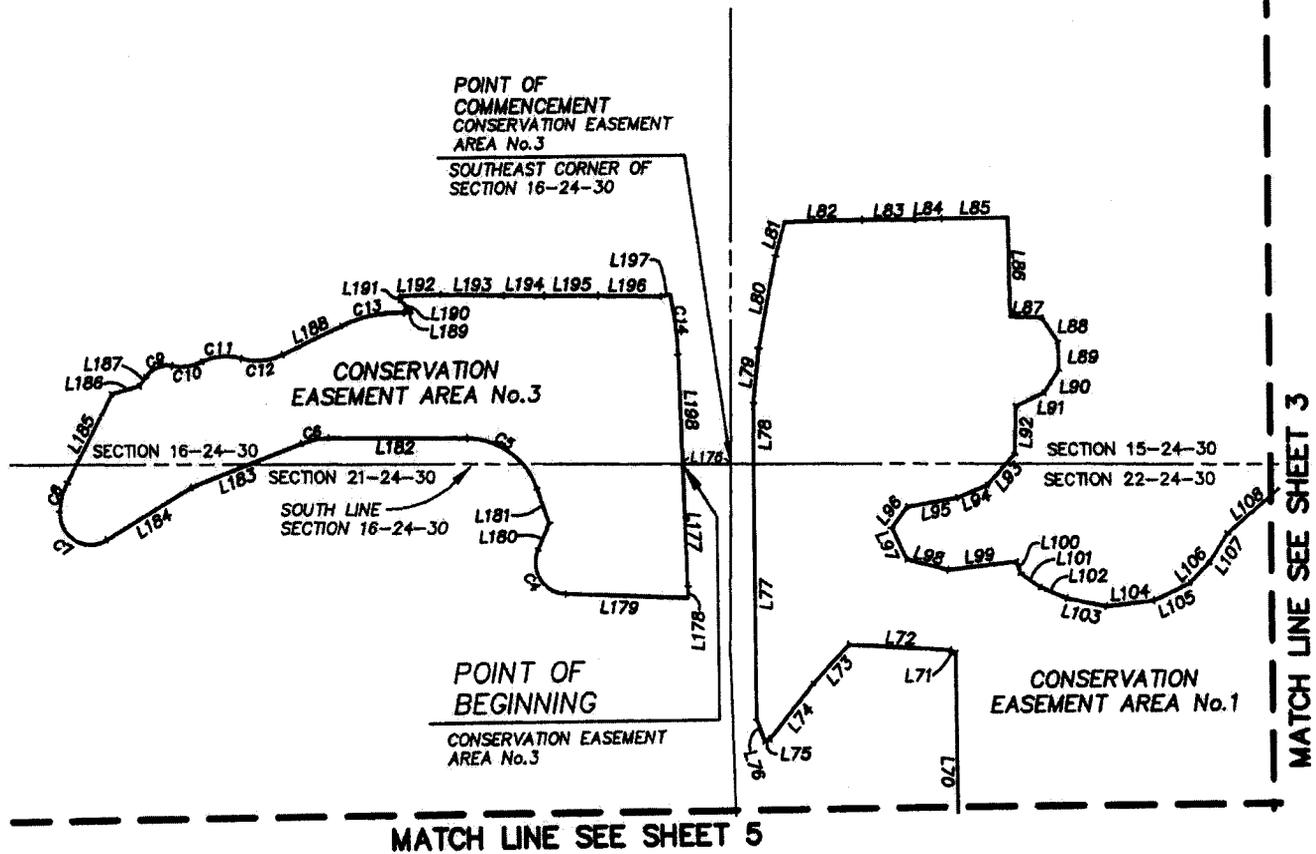
EXHIBIT "1"
REAL PROPERTY ENCUMBERED
BY CONSERVATION EASEMENT



<p>DESIGNED BY BREEDLOVE, DENNIS & ASSOCIATES, INC.</p>	<p>DATE 11/1/01</p>	<p>PROJECT [Illegible]</p>	<p>SCALE [Illegible]</p>	<p>BY [Illegible]</p>	<p>CHECKED BY [Illegible]</p>	<p>APPROVED BY [Illegible]</p>	<p>DATE [Illegible]</p>	<p>PROJECT NO. [Illegible]</p>	<p>REVISIONS [Illegible]</p>
--	--	---	---	--	--	---	--	---	---



SKETCH OF DESCRIPTION



PREPARED FOR:
Breedlove, Dennis & Associates, Inc.

GOAA - MUD LAKE ENHANCEMENT AREA



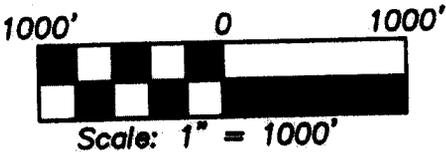
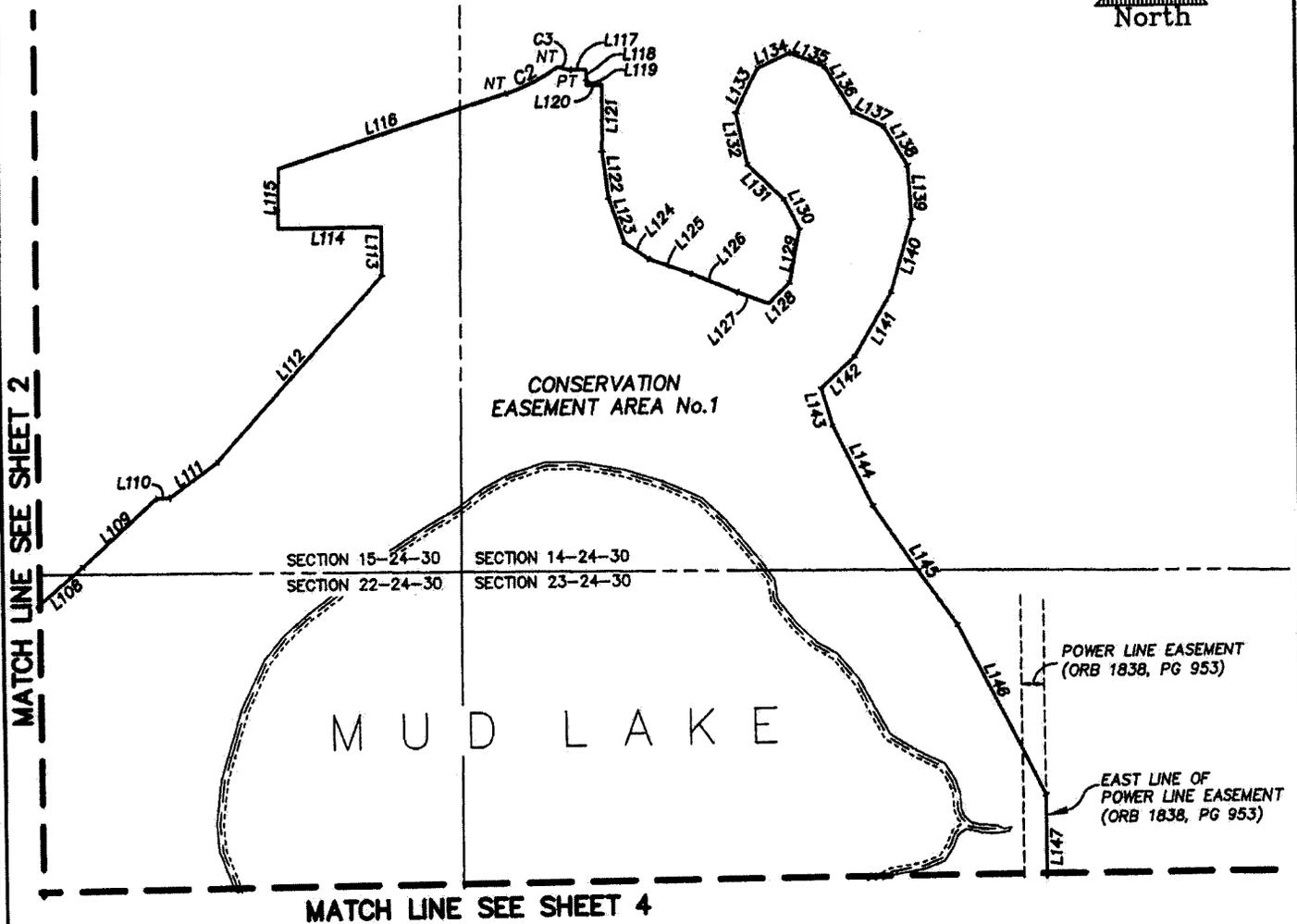
DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
CERTIFICATE OF AUTHORIZATION NO. LB68

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

DRAWN BY: <u>PH</u>	CHECKED BY: <u>SG</u>	JOB NO. <u>25205.0125</u>	SCALE <u>1"=1000'</u>	SHEET <u>2</u>
DATE: <u>3/19/09</u>	DATE: <u>3/19/09</u>			OF <u>9</u>

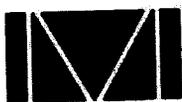
SHEET 1	KEY MAP & LEGEND
SHEETS 2-5	SKETCH
SHEET 6	LINE TABLES
SHEET 7	NOTES, LINE & CURVE TABLES
SHEET 8	LEGAL DESCRIPTION (AREA No.1)
SHEET 9	LEGAL DESCRIPTION (AREA No.3)

SKETCH OF DESCRIPTION



PREPARED FOR:
Breedlove, Dennis & Associates, Inc.

GOAA - MUD LAKE ENHANCEMENT AREA



DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
CERTIFICATE OF AUTHORIZATION NO. LB68

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

- SHEET 1 KEY MAP & LEGEND
- SHEETS 2-5..... SKETCH
- SHEET 6 LINE TABLES
- SHEET 7 NOTES, LINE & CURVE TABLES
- SHEET 8 LEGAL DESCRIPTION (AREA No.1)
- SHEET 9 LEGAL DESCRIPTION (AREA No.3)

DRAWN BY: <u>PH</u>	CHECKED BY: <u>SG</u>	JOB NO. <u>25205.0125</u>	SCALE <u>1"=1000'</u>	SHEET <u>3</u> OF <u>9</u>
DATE: <u>3/19/09</u>	DATE: <u>3/19/09</u>			

CS# 09-167

SKETCH OF DESCRIPTION



MATCH LINE SEE SHEET 3

MUD LAKE

CONSERVATION EASEMENT AREA No.1

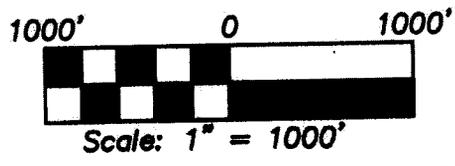
L147
EAST LINE OF POWER LINE EASEMENT (ORB 1838, PG 953)
POWER LINE EASEMENT (ORB 1838, PG 953)
L148
L149
L150
L151
L152
L153
EAST LINE OF POWER LINE EASEMENT (ORB 1838, PG 953)

MATCH LINE SEE SHEET 5

SECTION 22-24-30 SECTION 27-24-30 SECTION 23-24-30 SECTION 26-24-30 SECTION 23-24-30 SECTION 26-24-30

L36 L34 L33 L32 L31 L30 L29 L28 L27 L26 L25 L24 L23 L22 L21 L20 L19 L18 L17 L16 L15 L14 L13 L12 L11 L10 L9 L8 L7 L6 L5 L4 L3 L2 L1
L37 L38 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53
PARTIAL RELEASE OF CONSERVATION EASEMENT (ORB 9725, PG 8940)
NORTHEASTERLY R/W LINE ORLANDO UTILITIES COMMISSION (OUC) RAILROAD R/W
N120.00°

NORTH LINE NORTHWEST 1/4 SECTION 26-24-30
POINT OF BEGINNING CONSERVATION EASEMENT AREA No.1
POINT OF COMMENCEMENT CONSERVATION EASEMENT AREA No.1 NORTHWEST CORNER OF THE NORTHEAST 1/4 SECTION 26-24-30
N89°32'04"W 23.74'



PREPARED FOR:
Breedlove, Dennis & Associates, Inc.

GOAA - MUD LAKE ENHANCEMENT AREA

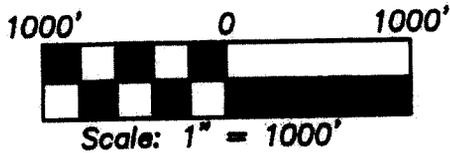
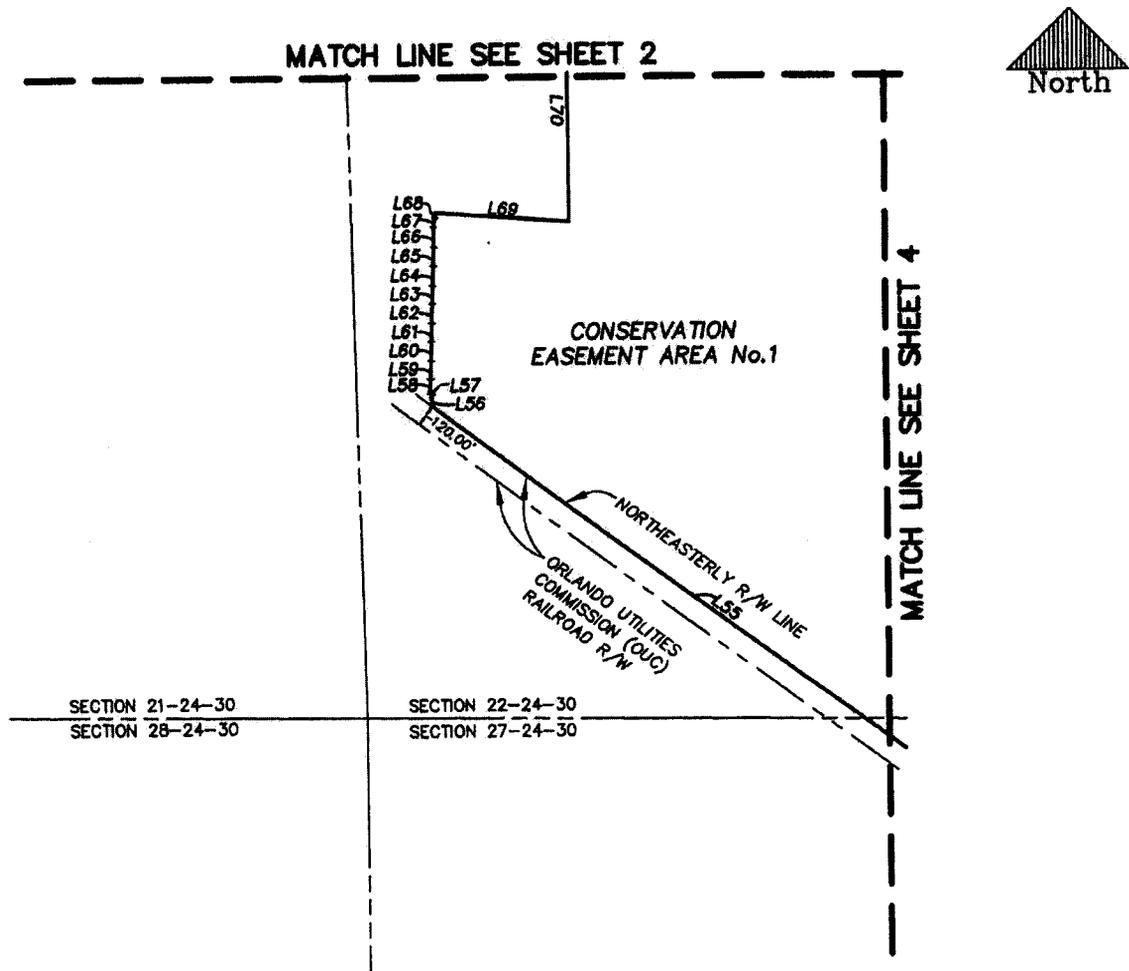
DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
CERTIFICATE OF AUTHORIZATION NO. LB68

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

DRAWN BY: PH	CHECKED BY: SG	JOB NO. 25205.0125	SCALE 1"=1000'	SHEET 4 OF 9
DATE: 3/19/09	DATE: 3/19/09			

SHEET 1 KEY MAP & LEGEND
SHEETS 2-5 SKETCH
SHEET 6 LINE TABLES
SHEET 7 NOTES, LINE & CURVE TABLES
SHEET 8 LEGAL DESCRIPTION (AREA No.1)
SHEET 9 LEGAL DESCRIPTION (AREA No.3)

SKETCH OF DESCRIPTION



PREPARED FOR:
Breedlove, Dennis & Associates, Inc.

GOAA - MUD LAKE ENHANCEMENT AREA



DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
CERTIFICATE OF AUTHORIZATION NO. LB68

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

DRAWN BY: <u>PH</u>	CHECKED BY: <u>SG</u>	JOB NO. <u>25205.0125</u>	SCALE <u>1"=1000'</u>	SHEET <u>5</u>
DATE: <u>3/19/09</u>	DATE: <u>3/19/09</u>			OF <u>9</u>

SHEET 1	KEY MAP & LEGEND
SHEETS 2-5	SKETCH
SHEET 6	LINE TABLES
SHEET 7	NOTES, LINE & CURVE TABLES
SHEET 8	LEGAL DESCRIPTION (AREA No.1)
SHEET 9	LEGAL DESCRIPTION (AREA No.3)

LINE TABLE
(CONSERVATION EASEMENT AREA No.1)

NUMBER	BEARING	DISTANCE
L1	S66°30'37"W	347.37'
L2	N60°54'05"W	89.60'
L3	N46°37'02"W	82.06'
L4	N74°56'17"W	69.39'
L5	N67°10'16"W	222.15'
L6	N24°52'26"W	132.33'
L7	N11°00'55"W	81.08'
L8	N54°13'16"W	206.39'
L9	N80°26'40"W	274.40'
L10	N25°03'25"E	358.13'
L11	N28°03'17"E	660.13'
L12	N16°35'30"W	109.38'
L13	N29°25'20"E	186.23'
L14	N67°33'08"E	113.86'
L15	N26°03'17"E	238.59'
L16	N79°07'08"W	143.75'
L17	S71°23'35"W	138.05'
L18	S53°55'13"W	95.53'
L19	S63°08'32"W	86.07'
L20	S31°42'04"W	57.43'
L21	S65°58'07"W	108.78'
L22	S56°29'56"W	167.54'
L23	S62°48'03"W	291.27'
L24	S55°24'30"W	268.98'
L25	S60°26'45"W	244.57'
L26	S78°51'44"W	120.87'
L27	S85°36'14"W	114.21'
L28	S52°24'21"W	235.81'
L29	S65°36'15"W	158.87'
L30	N84°23'28"W	279.48'
L31	N84°26'14"W	142.87'
L32	S89°36'17"W	237.42'
L33	N86°51'49"W	201.23'
L34	S83°52'35"W	77.24'
L35	S75°05'08"W	241.12'
L36	S53°18'05"W	92.84'
L37	S22°38'11"W	141.08'
L38	S11°21'55"W	109.91'
L39	S00°38'47"E	78.46'
L40	S10°49'18"E	83.35'
L41	S28°54'11"E	105.41'
L42	S44°28'47"E	198.31'
L43	S26°42'35"E	118.60'
L44	S46°21'13"E	71.07'
L45	S32°11'52"E	163.38'
L46	S09°19'10"E	249.15'
L47	S53°06'00"W	200.53'
L48	S48°59'12"W	229.56'
L49	S89°21'13"W	266.45'
L50	S10°06'31"E	63.33'
L51	N53°42'18"W	680.03'
L52	S14°11'26"W	64.76'
L53	S53°46'31"E	717.75'
L54	S10°06'31"E	105.02'
L55	N53°42'41"W	4387.57'
L56	N00°07'51"E	54.32'
L57	N31°36'56"W	22.95'
L58	N03°24'35"E	71.94'

LINE TABLE
(CONSERVATION EASEMENT AREA No.1)

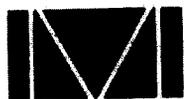
NUMBER	BEARING	DISTANCE
L59	N02°26'56"E	97.98'
L60	N01°41'51"E	103.86'
L61	N00°53'55"E	98.84'
L62	N02°05'36"E	104.30'
L63	N02°26'03"E	96.81'
L64	N01°18'24"E	107.16'
L65	N01°36'53"E	102.33'
L66	N00°17'44"E	109.34'
L67	N08°43'48"E	47.75'
L68	N04°14'10"E	29.46'
L69	S85°45'50"E	733.86'
L70	N00°14'43"W	1613.69'
L71	N66°08'26"W	32.54'
L72	N86°09'42"W	552.27'
L73	S43°19'04"W	282.90'
L74	S38°44'34"W	379.45'
L75	S73°29'25"W	33.04'
L76	N19°01'08"W	127.26'
L77	N00°04'09"E	1372.95'
L78	N00°25'48"E	325.78'
L79	N06°21'59"E	296.92'
L80	N11°02'42"E	504.68'
L81	N15°46'51"E	189.32'
L82	N89°17'02"E	419.10'
L83	S89°53'12"E	285.00'
L84	N88°11'48"E	150.10'
L85	N89°47'33"E	354.58'
L86	S00°56'03"E	534.82'
L87	S88°14'08"E	166.05'
L88	S33°21'21"E	159.89'
L89	S01°22'07"E	148.51'
L90	S33°26'39"W	146.96'
L91	S65°20'28"W	169.94'
L92	S01°42'26"W	256.36'
L93	S42°07'39"W	224.63'
L94	S67°25'32"W	176.25'
L95	S80°41'17"W	277.13'
L96	S36°23'17"W	141.50'
L97	S24°50'05"E	188.91'
L98	S74°59'23"E	232.37'
L99	N83°27'50"E	371.99'
L100	S18°00'07"E	70.95'
L101	S54°27'53"E	126.51'
L102	S67°01'35"E	156.35'
L103	S78°03'44"E	214.20'
L104	N83°18'25"E	256.16'
L105	N64°38'59"E	213.08'
L106	N43°38'45"E	153.96'
L107	N33°41'25"E	188.03'
L108	N49°57'13"E	641.16'
L109	N48°25'19"E	583.01'
L110	N88°22'28"E	80.42'
L111	N54°43'21"E	344.89'
L112	N42°40'57"E	1461.11'
L113	N00°14'43"W	284.15'
L114	S89°45'17"W	609.50'
L115	N00°31'41"E	348.90'
L116	N72°47'56"E	1409.79'

LINE TABLE
(CONSERVATION EASEMENT AREA No.1)

NUMBER	BEARING	DISTANCE
L117	N89°45'17"E	88.49'
L118	S05°00'11"E	65.32'
L119	S05°19'51"W	26.44'
L120	N89°45'17"E	90.93'
L121	S00°31'41"W	386.42'
L122	S07°09'41"E	269.05'
L123	S19°25'01"E	279.00'
L124	S56°01'08"E	173.15'
L125	S70°15'17"E	268.12'
L126	S67°11'08"E	292.52'
L127	S69°40'54"E	195.72'
L128	N46°04'32"E	174.20'
L129	N11°03'37"E	321.32'
L130	N28°18'29"W	194.76'
L131	N46°01'07"W	295.68'
L132	N12°11'05"W	304.49'
L133	N28°49'03"E	289.50'
L134	N85°56'25"E	212.82'
L135	S68°26'09"E	215.88'
L136	S31°01'09"E	313.38'
L137	S64°24'55"E	197.23'
L138	S31°11'56"E	267.21'
L139	S03°21'58"E	315.56'
L140	S16°18'20"W	442.26'
L141	S30°03'21"W	431.30'
L142	S47°20'38"W	271.34'
L143	S16°23'00"E	226.63'
L144	S25°40'21"E	520.15'
L145	S34°07'11"E	841.81'
L146	S26°38'05"E	1115.14'
L147	S00°08'36"W	623.88'
L148	S29°51'46"W	1419.57'
L149	N81°47'13"E	296.58'
L150	S86°40'25"E	167.81'
L151	S62°12'12"E	155.01'
L152	S44°14'57"E	151.90'
L153	S00°06'37"W	587.28'
L154	S44°21'14"W	152.14'
L155	S80°09'04"W	415.00'
L156	S17°19'29"W	152.45'
L157	S47°03'28"W	175.19'
L158	S83°49'27"W	163.61'
L159	N80°53'23"W	154.16'
L160	N67°18'25"W	206.18'
L161	N63°40'50"W	104.04'
L162	S27°49'28"W	308.36'
L163	S86°42'56"E	244.41'
L164	S69°04'56"E	98.80'
L165	S52°18'05"E	208.74'
L166	N49°24'22"E	91.71'
L167	N71°18'33"E	168.09'
L168	S57°32'49"E	216.12'
L169	S10°36'01"E	188.71'
L170	S21°47'13"W	159.95'
L171	S35°48'01"W	99.98'
L172	S12°49'34"W	92.65'
L173	S36°59'03"W	37.33'
L174	S48°24'03"E	28.04'
L175	S66°50'37"W	194.94'

PREPARED FOR:
Breedlove, Dennis & Associates, Inc.
GOAA - MUD LAKE ENHANCEMENT AREA

SKETCH OF DESCRIPTION



DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
CERTIFICATE OF AUTHORIZATION NO. LB88

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

DRAWN BY: PH CHECKED BY: SG JOB NO. 25205.0125 SCALE N/A SHEET 6
DATE: 3/19/09 DATE: 3/19/09 OF 9

SHEET 1 KEY MAP & LEGEND
SHEETS 2-5..... SKETCH
SHEET 6 LINE TABLES
SHEET 7 NOTES, LINE & CURVE TABLES
SHEET 8 LEGAL DESCRIPTION (AREA No.1)
SHEET 9 LEGAL DESCRIPTION (AREA No.3)

SKETCH OF DESCRIPTION

LINE TABLE
(CONSERVATION EASEMENT AREA No.3)

NUMBER	BEARING	DISTANCE
L176	N89°17'30"W	260.87'
L177	S01°47'07"E	661.59'
L178	S00°25'43"W	60.33'
L179	N87°24'33"W	670.35'
L180	N24°16'20"E	153.31'
L181	N19°11'22"W	201.00'
L182	N89°11'11"W	749.31'
L183	S69°21'15"W	643.07'
L184	S59°29'26"W	541.38'
L185	N27°30'05"E	532.49'
L186	N74°20'15"E	157.58'
L187	N37°56'12"E	62.56'
L188	N64°51'29"E	349.56'
L189	S87°57'37"E	43.77'
L190	N43°12'40"W	91.25'
L191	N18°45'06"W	24.05'
L192	N88°54'55"E	228.42'
L193	S88°36'47"E	347.55'
L194	S89°11'58"E	220.44'
L195	S89°17'28"E	293.96'
L196	S88°57'31"E	346.77'
L197	N80°27'19"E	51.21'
L198	S01°47'07"E	586.49'

CURVE TABLE
(CONSERVATION EASEMENT AREA No.1)

NUMBER	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
C1	2030.00'	04°30'15"	159.59'	159.54'	N55°57'49"W
C2	1088.00'	18°06'55"	343.99'	342.56'	N63°49'02"E
C3	148.99'	29°25'43"	75.50'	74.67'	S75°31'51"E

CURVE TABLE
(CONSERVATION EASEMENT AREA No.3)

NUMBER	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
C4	170.00'	111°41'00"	331.38'	281.35'	N31°34'03"W
C5	410.00'	69°59'48"	500.88'	470.31'	N54°11'16"W
C6	388.96'	22°01'53"	149.56'	148.64'	S79°47'53"W
C7	170.00'	123°17'00"	365.79'	299.20'	N58°52'04"W
C8	370.83'	25°03'40"	162.20'	160.91'	N15°18'16"E
C9	145.00'	62°54'12"	159.20'	151.32'	N69°23'18"E
C10	271.08'	35°45'38"	169.19'	166.46'	N82°57'35"E
C11	297.62'	41°49'42"	217.27'	212.48'	N85°59'37"E
C12	316.99'	42°02'58"	232.64'	227.45'	N85°52'59"E
C13	740.00'	27°10'54"	351.06'	347.78'	N78°28'56"E
C14	1933.47'	09°41'31"	327.06'	326.67'	S06°37'53"E

NOTES:

- This is not a survey.
- Not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.
- Bearings based on the North line of the Northwest 1/4 of Section 26, Township 24 South, Range 30 East, Orange County, Florida, being N89°32'04"W, an assumed meridian.
- Lands shown hereon were not abstracted for rights-of-way, easements, ownership or other instruments of record by this firm.
- No title opinion or abstract of matters affecting title or boundary to the subject property or those of adjoining land owners have been provided. It is possible there are deeds of record, unrecorded deeds or other instruments which could affect the boundaries or use of the subject property.
- This Sketch of Description does not depict any easements of record that may be within or adjoining the lands described hereon. This Sketch of Description is based entirely on information and descriptions provided to Donald W. McIntosh Associates, Inc. by the client or client's representatives. Donald W. McIntosh Associates, Inc. has not researched or been provided information on the subject property, adjoining properties or right-of-ways that may affect or be within the descriptions hereon.
- This Sketch of Descriptions is compiled from lands described in Official Records Book 5883, Page 3177 of the Public Records of Orange County, Florida, Official Records Book 9725, Page 8940 of the Public Records of Orange County, Florida and descriptions prepared by Donald W. McIntosh Associates, Inc. for a release (DWMA Drawing No. 09-169) and a mitigation parcel (DWMA Drawing No. 09-168) (not depicted hereon) within Conservation Easement Area No. 1 as described within Official Records Book 5883, Page 3177. The lands described in Official Records Book 5883, Page 3177 do not mathematically close. James R. Shannon Jr., Florida Registered Surveyor and Mapper Number 4671, prepared the descriptions within Official Records Book 5883, Page 3177 and furnished Donald W. McIntosh Associates, Inc. supplemental data to mathematically close the descriptions. In accordance with client's and client's representatives direction Donald W. McIntosh Associates, Inc. has relied on this information to prepare this Sketch of Description.

PREPARED FOR:
Breedlove, Dennis & Associates, Inc.
GOAA - MUD LAKE ENHANCEMENT AREA



DONALD W. MCINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
CERTIFICATE OF AUTHORIZATION NO. LB68

- SHEET 1 KEY MAP & LEGEND
- SHEETS 2-3 SKETCH
- SHEET 6 LINE TABLES
- SHEET 7 NOTES, LINE & CURVE TABLES
- SHEET 8 LEGAL DESCRIPTION (AREA No.1)
- SHEET 9 LEGAL DESCRIPTION (AREA No.3)

DRAWN BY: <u>PH</u>	CHECKED BY: <u>SG</u>	JOB NO. <u>25205.0125</u>	SCALE <u>N/A</u>	SHEET <u>7</u>
DATE: <u>3/19/09</u>	DATE: <u>3/19/09</u>			OF <u>9</u>

CONSERVATION EASEMENT AREA No.1

SKETCH OF DESCRIPTION

DESCRIPTION:

That part of Sections 14, 15, 22, 23, 26, and 27, Township 24 South, Range 30 East, Orange County, Florida, being described as follows:

Commence at the Northwest corner of the Northeast 1/4 of said Section 26; thence N89°32'04"W along the North line of the Northwest 1/4 of said Section 26 for a distance of 23.74 feet to the POINT OF BEGINNING; thence S66°50'37"W, 347.37 feet; thence N60°54'05"W, 89.60 feet; thence N46°37'02"W, 82.06 feet; thence N74°56'17"W, 69.39 feet; thence N67°10'16"W, 222.15 feet; thence N24°52'26"W, 132.33 feet; thence N11°00'55"W, 81.08 feet; thence N54°13'16"W, 206.39 feet; thence N80°26'40"W, 274.40 feet; thence N25°03'25"E, 358.13 feet; thence N28°03'17"E, 660.13 feet; thence N16°35'30"W, 109.38 feet; thence N29°25'20"E, 186.23 feet; thence N67°33'08"E, 113.86 feet; thence N28°03'17"E, 238.59 feet; thence N79°07'08"W, 143.75 feet; thence S71°23'35"W, 136.05 feet; thence S53°55'13"W, 95.53 feet; thence S63°08'32"W, 66.07 feet; thence S31°42'04"W, 57.43 feet; thence S65°58'07"W, 108.76 feet; thence S56°29'56"W, 167.54 feet; thence S62°48'03"W, 291.27 feet; thence S55°24'30"W, 268.98 feet; thence S60°26'45"W, 244.57 feet; thence S78°51'44"W, 120.87 feet; thence S85°36'14"W, 114.21 feet; thence S52°24'21"W, 235.81 feet; thence S65°36'15"W, 159.87 feet; thence N84°23'28"W, 279.48 feet; thence N84°26'14"W, 142.87 feet; thence S69°36'17"W, 237.42 feet; thence N86°51'49"W, 201.23 feet; thence S83°52'35"W, 77.24 feet; thence S75°05'06"W, 241.12 feet; thence S53°18'05"W, 92.84 feet; thence S22°38'11"W, 141.08 feet; thence S11°21'55"W, 109.91 feet; thence S00°38'47"E, 78.46 feet; thence S10°49'18"E, 83.35 feet; thence S28°54'11"E, 105.41 feet; thence S44°28'47"E, 198.31 feet; thence S26°42'35"E, 118.60 feet; thence S46°21'13"E, 71.07 feet; thence S32°11'52"E, 163.38 feet; thence S09°19'10"E, 249.15 feet; thence S53°06'00"W, 200.53 feet; thence S48°59'12"W, 229.56 feet; thence S89°21'13"W, 266.45 feet; thence S10°06'31"E, 63.33 feet; thence N53°42'18"W, 680.03 feet; thence S14°11'26"W, 64.76 feet; thence S53°46'31"E, 717.75 feet; thence S10°06'31"E, 105.02 feet to the Northeastly right-of-way line of the O.U.C. railroad and a point on a non-tangent curve concave Northeastly having a radius of 2030.00 feet and a chord bearing of N55°57'49"W; thence Northwestly along the arc of said curve through a central angle of 04°30'15" for a distance of 159.59 feet to the point of tangency; thence N53°42'41"W along said Northeastly right-of-way line, 4387.57 feet; thence departing said Northeastly right-of-way line run N00°07'51"E, 54.32 feet; thence N31°36'56"W, 22.95 feet; thence N03°24'35"E, 71.94 feet; thence N02°26'56"E, 97.98 feet; thence N01°41'51"E, 103.86 feet; thence N00°53'55"E, 98.84 feet; thence N02°05'36"E, 104.30 feet; thence N02°26'03"E, 96.81 feet; thence N01°18'24"E, 107.16 feet; thence N01°36'53"E, 102.33 feet; thence N00°17'44"E, 109.34 feet; thence N08°43'48"E, 47.75 feet; thence N04°14'10"E, 29.46 feet; thence S85°45'50"E, 733.86 feet; thence N00°14'43"W, 1613.69 feet; thence N66°08'26"W, 32.54 feet; thence N86°09'42"W, 552.27 feet; thence S43°19'04"W, 282.90 feet; thence S38°44'34"W, 379.45 feet; thence S73°29'25"W, 33.04 feet; thence N19°01'08"W, 127.26 feet; thence N00°04'09"E, 1372.95 feet; thence N00°25'48"E, 325.79 feet; thence N06°21'59"E, 296.92 feet; thence N11°02'42"E, 504.68 feet; thence N15°46'51"E, 189.32 feet; thence N89°17'02"E, 419.10 feet; thence S88°14'08"E, 166.05 feet; thence S33°21'21"E, 159.89 feet; thence S01°22'07"E, 148.51 feet; thence S33°26'39"W, 146.96 feet; thence S65°20'28"W, 169.94 feet; thence S01°42'26"W, 256.36 feet; thence S42°07'39"W, 224.63 feet; thence S67°25'32"W, 176.25 feet; thence S80°41'17"W, 277.13 feet; thence S36°23'17"W, 141.50 feet; thence S24°50'05"E, 188.91 feet; thence S74°59'23"E, 232.37 feet; thence N83°27'50"E, 371.99 feet; thence S18°00'07"E, 70.95 feet; thence S54°27'53"E, 126.51 feet; thence S67°01'35"E, 156.35 feet; thence S78°03'44"E, 214.20 feet; thence N83°18'25"E, 256.16 feet; thence N64°38'59"E, 213.08 feet; thence N43°38'45"E, 153.96 feet; thence N33°41'25"E, 188.03 feet; thence N49°57'13"E, 641.16 feet; thence N48°25'19"E, 583.01 feet; thence N88°22'28"E, 80.42 feet; thence N54°43'21"E, 344.89 feet; thence N42°40'57"E, 1481.11 feet; thence N00°14'43"W, 284.15 feet; thence S89°45'17"W, 609.50 feet; thence N00°31'41"E, 346.90 feet; thence N72°47'56"E, 1409.79 feet to a point on a non-tangent curve concave Northwestly having a radius of 1088.00 feet and a chord bearing of N63°49'02"E; thence Northeastly along the arc of said curve through a central angle of 18°06'55" for a distance of 343.99 feet to a point on a non-tangent curve concave Northerly having a radius of 146.99 feet and a chord bearing of S75°31'51"E; thence Easterly along the arc of said curve through a central angle of 29°25'43" for a distance of 75.50 feet to the point of tangency; thence N89°45'17"E, 88.49 feet; thence S05°00'11"E, 65.32 feet; thence S05°19'51"W, 26.44 feet; thence N89°45'17"E, 90.93 feet; thence S00°31'41"W, 386.42 feet; thence S07°09'41"E, 269.05 feet; thence S19°25'01"E, 279.00 feet; thence S56°01'08"E, 173.15 feet; thence S70°15'17"E, 268.12 feet; thence S67°11'08"E, 292.52 feet; thence S69°40'54"E, 195.72 feet; thence N46°04'32"E, 174.20 feet; thence N11°03'37"E, 321.32 feet; thence N28°18'29"W, 194.76 feet; thence N46°01'07"W, 295.68 feet; thence N12°11'05"W, 304.49 feet; thence N26°49'03"E, 289.50 feet; thence N65°56'25"E, 212.82 feet; thence S68°26'09"W, 215.88 feet; thence S31°01'09"E, 313.38 feet; thence S64°24'55"E, 197.23 feet; thence S31°11'56"E, 267.21 feet; thence S03°21'58"E, 315.56 feet; thence S16°18'20"W, 442.26 feet; thence S30°03'21"W, 431.30 feet; thence S47°20'38"W, 271.34 feet; thence S16°23'00"E, 226.63 feet; thence S25°40'21"E, 520.15 feet; thence S34°07'11"E, 841.81 feet; thence S26°38'05"E, 1115.14 feet; thence S00°06'36"W, 623.88 feet; thence S29°51'48"W, 1419.57 feet; thence N81°47'13"E, 296.58 feet; thence S86°40'25"E, 167.81 feet; thence S62°12'12"E, 155.01 feet; thence S44°14'57"E, 151.90 feet; thence S00°06'37"W, 587.28 feet; thence S44°21'14"W, 152.14 feet; thence S80°09'04"W, 415.00 feet; thence S17°19'29"W, 152.45 feet; thence S47°03'28"W, 175.19 feet; thence S83°49'27"W, 163.61 feet; thence N80°53'23"W, 154.16 feet; thence N67°18'25"W, 206.18 feet; thence N63°40'50"W, 104.04 feet; thence S27°49'28"W, 309.36 feet; thence S86°42'56"E, 244.41 feet; thence S69°04'58"E, 98.80 feet; thence S52°18'05"E, 206.74 feet; thence N49°24'22"E, 91.71 feet; thence N71°18'33"E, 168.09 feet; thence S57°32'49"E, 216.12 feet; thence S10°36'01"E, 188.71 feet; thence S21°47'13"W, 159.95 feet; thence S35°48'01"W, 99.98 feet; thence S12°49'34"W, 92.65 feet; thence S36°59'03"W, 37.33 feet; thence S48°24'03"E, 28.04 feet; thence S66°50'37"W, 194.94 feet to the POINT OF BEGINNING.

Containing 1083.047 acres more or less and being subject to any restrictions, rights-of-way and easements of record.

PREPARED FOR:
Breedlove, Dennis & Associates, Inc.
 GOAA - MUD LAKE ENHANCEMENT AREA

DONALD W. McINTOSH ASSOCIATES, INC.
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 CERTIFICATE OF AUTHORIZATION NO. LB68

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

SHEET 1 KEY MAP & LEGEND
 SHEETS 2-5..... SKETCH
 SHEET 6 LINE TABLES
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 SHEET 8 LEGAL DESCRIPTION (AREA No.1)
 SHEET 9 LEGAL DESCRIPTION (AREA No.3)

DRAWN BY: <u>PH</u>	CHECKED BY: <u>SG</u>	JOB NO. <u>25205.0125</u>	SCALE <u>N/A</u>	SHEET <u>8</u>
DATE: <u>3/19/09</u>	DATE: <u>3/19/09</u>			OF <u>9</u>

SKETCH OF DESCRIPTION

CONSERVATION EASEMENT AREA NO. 3

FOR A POINT OF REFERENCE COMMENCE AT THE SOUTHEAST CORNER OF SECTION 16, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN N89°17'30"W ALONG THE SOUTH LINE OF SAID SECTION 16, 260.87 FEET TO THE POINT OF BEGINNING; THENCE RUN S01°47'07"E, 661.59 FEET; THENCE RUN S00°25'43"W, 60.33 FEET; THENCE RUN N87°24'33"W, 670.35 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN NORTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 111°41'00", A RADIUS OF 170.00 FEET, AN ARC LENGTH OF 331.38 FEET, A CHORD BEARING OF N31°34'03"W AND A CHORD DISTANCE OF 281.35 FEET; THENCE RUN N24°16'20"E, 153.31 FEET; THENCE RUN N19°11'22"W, 201.00 FEET TO A CURVE CONCAVE TO THE SOUTHWEST; THENCE RUN NORTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 69°59'48", A RADIUS OF 410.00 FEET, AN ARC LENGTH OF 500.88 FEET, A CHORD BEARING OF N54°11'16"W AND A CHORD DISTANCE OF 470.31 FEET; THENCE RUN N89°11'11"W, 749.31 FEET TO A CURVE CONCAVE TO THE SOUTH; THENCE RUN SOUTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 22°01'53", A RADIUS OF 388.96 FEET, AN ARC LENGTH OF 149.56 FEET, A CHORD BEARING OF S79°47'53"W AND A CHORD DISTANCE OF 148.64 FEET; THENCE RUN S69°21'15"W, 643.07 FEET; THENCE RUN S59°29'26"W, 541.38 FEET TO A CURVE CONCAVE TO THE NORTHEAST; THENCE RUN NORTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 123°17'00", A RADIUS OF 170.00 FEET, AN ARC LENGTH OF 365.79 FEET, A CHORD BEARING OF N58°52'04"W AND A CHORD DISTANCE OF 299.20 FEET TO A CURVE CONCAVE TO THE EAST; THENCE RUN NORTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 25°03'40", A RADIUS OF 370.83 FEET, AN ARC LENGTH OF 162.20 FEET, A CHORD BEARING OF N15°18'16"E AND A CHORD DISTANCE OF 160.91 FEET; THENCE RUN N27°50'05"E, 532.49 FEET; THENCE RUN N74°20'15"E, 157.58 FEET; THENCE RUN N37°56'12"E, 62.56 FEET; TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 62°54'12", A RADIUS OF 145.00 FEET, AN ARC LENGTH OF 159.20 FEET, A CHORD BEARING OF N69°23'18"E AND A CHORD DISTANCE OF 151.32 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 35°45'38", A RADIUS OF 271.08 FEET, AN ARC LENGTH OF 169.19 FEET, A CHORD BEARING OF N82°57'35"E AND A CHORD DISTANCE OF 166.46 FEET TO A CURVE CONCAVE TO THE SOUTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 41°49'42", A RADIUS OF 297.62 FEET, AN ARC LENGTH OF 217.27 FEET, A CHORD BEARING OF N85°59'37"E AND A CHORD DISTANCE OF 212.48 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 42°02'58", A RADIUS OF 316.99 FEET, AN ARC LENGTH OF 232.64 FEET, A CHORD BEARING OF N85°52'59"E AND A CHORD DISTANCE OF 227.45 FEET; THENCE RUN N64°51'29"E, 349.56 FEET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 27°10'54", A RADIUS OF 740.00 FEET, AN ARC LENGTH OF 351.06 FEET, A CHORD BEARING OF N78°26'56"E AND A CHORD DISTANCE OF 347.78 FEET; THENCE RUN S87°57'37"E, 43.77 FEET; THENCE RUN N43°12'40"W, 91.25 FEET; THENCE RUN N18°45'06"W, 24.05 FEET; THENCE RUN N88°54'55"E, 228.42 FEET; THENCE RUN S88°36'47"E, 347.55 FEET; THENCE RUN S89°11'58"E, 220.44 FEET; THENCE RUN S89°17'28"E, 293.96 FEET; THENCE RUN S88°57'31"E, 346.77 FEET; THENCE RUN N80°27'19"E, 51.21 FEET; TO A CURVE CONCAVE TO THE WEST; THENCE RUN SOUTH ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 09°41'31", A RADIUS OF 1933.47 FEET, AN ARC DISTANCE OF 327.06 FEET, A CHORD BEARING OF S06°37'53"E AND A CHORD OF 326.67 FEET; THENCE RUN S01°47'07"E, 586.49 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 68.631 ACRES MORE OR LESS.

PREPARED FOR:
Breedlove, Dennis & Associates, Inc.
 GOAA - MUD LAKE ENHANCEMENT AREA



DONALD W. McINTOSH ASSOCIATES, INC.
 ENGINEERS PLANNERS SURVEYORS
 2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 644-4068
 CERTIFICATE OF AUTHORIZATION NO. LB68

This Sketch of Description is subject to the Surveyor's Notes on sheet 7

DRAWN BY: <u>PH</u>	CHECKED BY: <u>SG</u>	JOB NO. <u>25205.0125</u>	SCALE <u>N/A</u>	SHEET <u>9</u>
DATE: <u>3/19/09</u>	DATE: <u>3/19/09</u>			OF <u>9</u>

SHEET 1 KEY MAP & LEGEND
 SHEETS 2-5..... SKETCH
 SHEET 6 LINE TABLES
 SHEET 7 NOTES, LINE & CURVE TABLES
 SHEET 8 LEGAL DESCRIPTION (AREA No.1)
 SHEET 9 LEGAL DESCRIPTION (AREA No.3)



Permit: 48-00063-S
Tract: _____

Return to:
Caroleen M. Dineen, Esq.
Broad and Cassel
390 N. Orange Avenue
Suite 1400
Orlando, FL 32801

PARTIAL RELEASE OF CONSERVATION EASEMENT

This Partial Release of Conservation Easement ("Partial Release") is made this 12 day of June, 2008 by the **SOUTH FLORIDA WATER MANAGEMENT DISTRICT** ("District") having an address of 3301 Gun Club Road, West Palm Beach, Florida 33406 and a mailing address of Post Office Box 24680, West Palm Beach, Florida 33416-4680.

WITNESSETH:

WHEREAS, the **CITY OF ORLANDO** and **GREATER ORLANDO AVIATION AUTHORITY** granted in favor of the District that certain Deed of Conservation Easement dated October 26, 1999, and recorded in Official Record Book 5883 at Page 3177 of the Public Records of Orange County, Florida (hereinafter referred to as the "Conservation Easement") encumbering the real property described on Exhibit "A" attached hereto and made a part hereof (hereinafter referred to as the "Original Premises"); and

WHEREAS, the District has been requested to release a portion of the Conservation Easement with respect to only that portion of the Original Premises described on Exhibit "B" attached hereto and made a part hereof (hereinafter referred to as the "Release Parcel"); and

WHEREAS, the District is amenable to amending the conservation easement to release a portion of the Conservation Easement only with respect to the Release Parcel.

NOW, THEREFORE, for good and valuable consideration, the adequacy and receipt of which is hereby acknowledged, the District hereby partially releases the Conservation Easement to discharge, terminate and release the Conservation Easement with respect to only the Release Parcel, without impairing the operation and effect of the Conservation Easement as to the remainder of the original premises which are not contained within the Release Parcel, (the original Premises less and except the Release Parcel is hereinafter referred to as the "Remainder Premises"). The Conservation Easement shall remain in full force and effect with respect to the Remainder Premises and shall remain unaffected by this Partial Release of Conservation Easement. All references in the Conservation Easement to "Property" shall hereafter mean and refer to the Remainder Premises.

City Council Meeting: 4-7-08
Item: FL6 Documentary: 080407J06

IN WITNESS WHEREOF, the South Florida Water Management District has caused this Partial Release of Conservation Easement to be executed in its name and its official seal affixed hereto by Eric Buermann, Chairperson, and attested by its District Clerk, this 12 day of June, 2008.



(Corporate)

ATTEST:

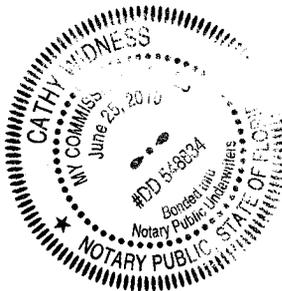
Sachi McGarty
District Clerk

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

By: [Signature]
Chairperson

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 12 day of June, 2008 by Eric Buermann, Chairperson of the South Florida Water Management District, a public corporation of the State of Florida, on behalf of the corporation, who is personally known to me.



Cathy Widness
Notary Public
Cathy Widness
Print
My Commission Expires: 6/25/2010

LEGAL FORM APPROVED
BY OFFICE OF COUNSEL,
April, 2007

WITNESSES:

Ruta Gorges
Print Name: Ruta Gorges

Dawn Kirtea
Print Name: Dawn Kirtea

OWNER:

CITY OF ORLANDO, a Florida
municipal corporation

Daisy W. Lynum
Print Name Daisy W. Lynum

ATTEST:

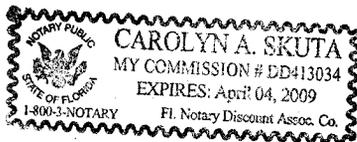
By: Alana C. Brenner
Alana C. Brenner

STATE OF FLORIDA FL
COUNTY OF _____

The foregoing instrument was acknowledged before me this 9 day of April, 2008 by Daisy W. Lynum, who is personally known to me or who has produced _____ as identification.

Carolyn A. Skuta
Notary Public

Print Name _____
My Commission Expires: _____



WITNESSES:

[Signature]
Print Name: BURDETTE-SNYDER
DAYCIS: ASSISTANT SECRETARY

[Signature]
Print Name: Helen Adams

OWNER:

GREATER ORLANDO AVIATION
AUTHORITY, an agency of the City of Orlando

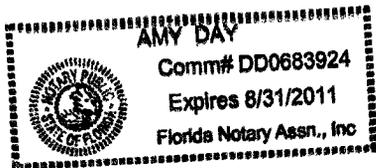
[Signature]
Print Name STEVE GARDNER

ATTEST:

By: _____
Assistant Secretary

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 30th day of April, 2008 by Steve GARDNER, who is personally known to me or who has produced _____ as identification.



[Signature]
Notary Public
Amy Day
Print Name
My Commission Expires: 8-31-2011

Approved as to form and legality this 15 day of May, 2008, for the use and reliance of the Greater Orlando Aviation Authority.

BROAD AND CASSEL

By: [Signature]
General Counsel,
Greater Orlando Aviation Authority

EXHIBIT A - ORIGINAL PREMISES

(Original legal description from the original Conservation Easement)

CONSERVATION AF NO. 1

FOR A POINT OF REFERENCE COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 26, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN N89°32'04"W ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF SAID SECTION 26, 23.74 FEET TO THE POINT OF BEGINNING; THENCE RUN S66°50'37"W, 347.37 FEET; THENCE RUN N60°54'05"W, 89.60 FEET; THENCE RUN N48°37'02"W, 82.06 FEET; THENCE RUN N74°56'17"W, 69.39 FEET; THENCE RUN N67°10'16"W, 222.15 FEET; THENCE RUN N24°52'26"W, 132.33 FEET; THENCE RUN N11°00'55"W, 81.08 FEET; THENCE RUN N54°13'16"W, 206.39 FEET; THENCE RUN N80°26'40"W, 274.40 FEET; THENCE RUN N25°03'25"E, 358.13 FEET; THENCE RUN N 28°3'17" E, 660.13 FEET; THENCE RUN N16°35'30"W, 109.38 FEET; THENCE RUN N29°25'20"E, 186.23 FEET; THENCE RUN N 67°33'8" E, 113.86 FEET; THENCE RUN N28°03'17"E, 238.59 FEET; THENCE RUN N79°07'08"W, 143.75 FEET; THENCE RUN S71°23'35"W, 138.05 FEET; THENCE RUN S53°55'13"W, 95.53 FEET; THENCE RUN S63°08'32"W, 66.07 FEET; THENCE RUN S31°42'04"W, 57.43 FEET; THENCE RUN S65°58'07"W, 106.76 FEET; THENCE RUN S56°29'56"W, 167.54 FEET; THENCE RUN S62°48'03"W, 291.27 FEET; THENCE RUN S55°24'30"W, 268.98 FEET; THENCE RUN S60°26'45"W, 244.57 FEET; THENCE RUN S78°51'44"W, 120.87 FEET; THENCE RUN S85°36'14"W, 114.21 FEET; THENCE RUN S52°24'21"W, 235.81 FEET; THENCE RUN S65°36'15"W, 159.87 FEET; THENCE RUN N84°23'28"W, 279.48 FEET; THENCE RUN N84°26'14"W, 142.87 FEET; THENCE RUN S89°36'17"W, 237.42 FEET; THENCE RUN N86°51'49"W, 201.23 FEET; THENCE RUN S83°52'35"W, 77.24 FEET; THENCE RUN S75°05'06"W, 241.12 FEET; THENCE RUN S55°18'05"W, 92.64 FEET; THENCE RUN S22°38'11"W, 141.08 FEET; THENCE RUN S11°21'55"W, 109.91 FEET; THENCE RUN S00°38'47"E, 78.46 FEET; THENCE RUN S10°49'18"E, 83.35 FEET; THENCE RUN S28°54'11"E, 105.41 FEET; THENCE RUN S44°28'47"E, 198.31 FEET; THENCE RUN S26°42'35"E, 118.60 FEET; THENCE RUN S46°21'13"E, 71.07 FEET; THENCE RUN S32°11'52"E, 163.38 FEET; THENCE RUN S09°19'10"E, 249.15 FEET; THENCE RUN S53°06'00"W, 260.53 FEET; THENCE RUN S48°59'12"W, 229.56 FEET; THENCE RUN S89°21'13"W, 266.45 FEET; THENCE RUN S10°06'31"E, 253.46 FEET TO THE NORTHEASTERLY RIGHT OF WAY LINE OF THE O.U.C. RAILROAD AND A CURVE CONCAVE TO THE NORTHEAST; THENCE RUN NORTHWESTERLY ALONG SAID RIGHT OF WAY LINE AND CURVE HAVING A CENTRAL ANGLE OF 04°30'23", A RADIUS OF 2030.00 FEET, AN ARC LENGTH OF 159.86 FEET, A CHORD BEARING OF N55°57'56"W AND A CHORD DISTANCE OF 159.62 FEET; THENCE RUN N55°57'56"W, 159.62 FEET; THENCE RUN N53°47'36"W, 4428.72 FEET; THENCE RUN N01°26'33"E, 1025.57 FEET; THENCE RUN S85°45'50"E, 769.54 FEET; THENCE RUN N00°14'43"W, 1613.69 FEET; THENCE RUN N66°08'26"W, 52.54 FEET; THENCE RUN N86°09'42"W, 552.27 FEET; THENCE RUN S43°19'04"W, 282.90 FEET; THENCE RUN S38°44'34"W, 379.45 FEET; THENCE RUN S73°29'25"W, 33.04 FEET; THENCE RUN N19°01'08"W, 127.26 FEET; THENCE RUN N00°04'09"E, 1372.95 FEET; THENCE RUN N06°21'59"E 296.92 FEET; THENCE RUN N11°02'42"E 504.68 FEET; THENCE RUN N15°46'51"E, 189.32 FEET; THENCE RUN N89°17'02"E, 419.10 FEET; THENCE RUN S89°53'12"E, 285.00 FEET; THENCE RUN N88°11'48"E, 150.10 FEET; THENCE RUN N89°47'33"E, 354.58 FEET; THENCE RUN S00°56'03"E, 534.82 FEET; THENCE RUN S88°14'08"E, 166.05 FEET; THENCE RUN S33°21'21"E, 159.89 FEET; THENCE RUN S91°22'7"E, 148.51 FEET; THENCE RUN S33°25'39"W, 146.98 FEET; THENCE RUN S65°20'28"W, 169.94 FEET; THENCE RUN S01°42'26"W, 256.36 FEET; THENCE RUN S42°07'39"W, 224.83 FEET; THENCE RUN S67°25'32"W, 176.25 FEET; THENCE RUN S80°41'17"W, 277.13 FEET; THENCE RUN S36°23'17"W, 141.50 FEET; THENCE RUN S24°50'05"E, 188.91 FEET; THENCE RUN S74°59'23"E, 232.37 FEET; THENCE RUN N83°27'50"E, 371.99 FEET; THENCE RUN S18°00'7"E, 70.95 FEET; THENCE RUN S54°27'53"E, 126.51 FEET; THENCE RUN S67°01'35"E, 156.35 FEET; THENCE RUN S78°03'44"E, 214.20 FEET; THENCE RUN N83°18'25"E, 256.16 FEET; THENCE RUN N64°38'59"E, 213.08 FEET; THENCE RUN N43°38'45"E, 153.96 FEET; THENCE RUN N33°41'25"E, 188.03 FEET; THENCE RUN N49°57'13"E, 641.16 FEET; THENCE RUN N48°25'18"E, 583.01 FEET; THENCE RUN N88°22'28"E, 80.42 FEET; THENCE RUN N54°43'21" E, 344.89 FEET; THENCE RUN N42°40'57"E, 1528.39 FEET; THENCE RUN N33°10'44"E, 281.43 FEET; THENCE RUN S89°45'17"W, 810.34



ENGINEERING &
ENVIRONMENTAL
DESIGN, INC.

807 S. ORLANDO AVENUE, SUITE C
WINTER PARK, FLORIDA 32789

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FAX: (407) 599-5585

Engineers, Environmental and Planning Consultants

OR Bk 5883 Pg 3184
Orange Co FL 1999-0497292

EXHIBIT "A"
Page 1 of 5

FEET; THENCE RUN N00°31'41"E, 346.90 FEET; THENCE RUN N72°47'56"E, 1409.79 FEET TO A CURVE CONCAVE TO THE NORTHWEST; THENCE RUN NORTH-EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 17°45'34", A RADIUS OF 1088.00 FEET, AN ARC LENGTH OF 337.24 FEET, A CHORD BEARING OF N63°38'22"E AND A CHORD OF 335.89 FEET TO A CURVE CONCAVE TO THE NORTHEAST; THENCE RUN SOUTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 29°25'43", A RADIUS OF 146.99 FEET, AN ARC LENGTH OF 75.50 FEET, A CHORD BEARING OF S75°31'51"E AND A CHORD OF 74.67 FEET; THENCE RUN NB9°45'17"E, 88.49 FEET; THENCE RUN S05°00'11"E, 65.32 FEET; THENCE RUN S05°19'51"W, 26.44 FEET; THENCE RUN NB9°45'17"E, 90.93 FEET; THENCE RUN S00°31'41"W, 386.42 FEET; THENCE RUN S07°09'41"E, 269.05 FEET; THENCE RUN S19°25'01"E, 279.00 FEET; THENCE RUN S56°01'08"E, 173.15 FEET; THENCE RUN S70°15'17"E, 268.12 FEET; THENCE RUN S67°11'08"E, 292.52 FEET; THENCE RUN S69°40'54"E, 195.72 FEET; THENCE RUN N46°04'32"E, 174.20 FEET; THENCE RUN N11°03'37"E, 321.32 FEET; THENCE RUN N28°18'29"W, 194.76 FEET; THENCE RUN N46°01'07"W, 295.68 FEET; THENCE RUN N12°11'05"W, 304.49 FEET; THENCE RUN N26°49'03"E, 289.50 FEET; THENCE RUN N65°56'25"E, 212.82 FEET; THENCE RUN S68°26'09"E, 215.88 FEET; THENCE RUN S31°01'09"E, 313.38 FEET; THENCE RUN S64°24'56"E, 197.23 FEET; THENCE RUN S31°11'56"E, 267.21 FEET; THENCE RUN S03°21'58"E, 315.56 FEET; THENCE RUN S16°18'20"W, 442.26 FEET; THENCE RUN S30°03'21"W, 431.30 FEET; THENCE RUN S47°20'38"W, 271.34 FEET; THENCE RUN S06°23'00"E, 226.63 FEET; THENCE RUN S25°40'21"E, 520.15 FEET; THENCE RUN S34°07'11"E, 841.81 FEET; THENCE RUN S26°38'05"E, 1115.14 FEET; THENCE RUN S00°06'36"W, 623.88 FEET; THENCE RUN S29°51'46"W, 1419.57 FEET; THENCE RUN NB1°47'13"E, 296.58 FEET; THENCE RUN S86°40'25"E, 167.81 FEET; THENCE RUN S62°12'12"E, 155.01 FEET; THENCE RUN S44°14'57"E, 151.90 FEET; THENCE RUN S00°06'37"W, 587.28 FEET; THENCE RUN S44°21'14"W, 152.14 FEET; THENCE RUN S80°09'04"W, 415.00 FEET; THENCE RUN S17°19'29"W, 152.45 FEET; THENCE RUN S47°03'28"W, 175.19 FEET; THENCE RUN S83°49'27"W, 163.61 FEET; THENCE RUN N80°53'23"W, 154.16 FEET; THENCE RUN N67°18'25"W, 206.18 FEET; THENCE RUN N63°40'50"W, 104.04 FEET; THENCE RUN S27°49'28"W, 309.36 FEET; THENCE RUN S85°42'56"E, 244.41 FEET; THENCE RUN S69°04'58"E, 98.80 FEET; THENCE RUN S52°18'05"E, 206.74 FEET; THENCE RUN N49°24'22"E, 91.71 FEET; THENCE RUN N71°18'33"E, 168.09 FEET; THENCE RUN S57°38'49"E, 216.12 FEET; THENCE RUN S10°36'01"E, 188.71 FEET; THENCE RUN S21°47'13"W, 159.95 FEET; THENCE RUN S35°48'01"W, 99.98 FEET; THENCE RUN S12°49'34"W, 92.65 FEET; THENCE RUN S36°59'03"W, 37.33 FEET; THENCE RUN S48°24'03"E, 28.04 FEET; THENCE RUN S66°50'37"W, 194.94 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 1084.276 ACRES MORE OR LESS.

OR Bk 5883 Pg 3185
Orange Co FL 1999-0497292



**ENGINEERING &
ENVIRONMENTAL
DESIGN, INC.**

807 S. ORLANDO AVENUE, SUITE C
WINTER PARK, FLORIDA 32789

OFF: (407) 599-5588
FAX: (407) 599-2585

Engineers, Environmental and Planning Consultants

EXHIBIT "A"
Page 2 of 5

CONSERVATION AREA NO. 2

FOR A POINT OF REFERENCE, BEGIN AT THE NORTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN S89°22'30"E ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 14, TOWNSHIP 24 SOUTH, RANGE 30 EAST 439.12 FEET THENCE RUN S06°21'45"W 1484.36 FEET TO A CURVE CONCAVE TO THE EAST; THENCE RUN SOUTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 64°53'54", A RADIUS OF 269.57 FEET, AN ARC LENGTH OF 305.34 FEET, A CHORD BEARING OF S26°05'12"E AND A CHORD DISTANCE OF 289.27 FEET TO A CURVE CONCAVE TO THE SOUTHWEST; THENCE RUN SOUTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 59°57'22", A RADIUS OF 178.84 FEET, AN ARC LENGTH OF 187.15 FEET, A CHORD BEARING OF S28°33'28"E AND A CHORD DISTANCE OF 178.72 FEET; THENCE RUN S00°55'32"W, 333.37 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN WESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 19°25'16", A RADIUS OF 912.00 FEET, AN ARC LENGTH OF 309.93 FEET, A CHORD BEARING OF S62°24'30"W AND A CHORD OF 308.44 FEET; THENCE RUN S72°47'46"W 1175.33 FEET; THENCE RUN N53°53'49"W, 45.28 FEET; THENCE RUN N11°18'22"W, 394.56 FEET; THENCE RUN N58°34'47"W, 388.23 FEET; THENCE RUN N25°24'45"W, 267.00 FEET; THENCE RUN N14°50'40"E, 213.33 FEET; THENCE RUN N49°43'26"E, 190.11 FEET; THENCE RUN N40°39'26"W, 75.80 FEET; THENCE RUN N40°42'46"E, 161.70 FEET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 48°46'19", A RADIUS OF 481.56 FEET, AN ARC LENGTH OF 409.92 FEET, A CHORD BEARING OF N65°05'55"E AND A CHORD DISTANCE OF 397.65 FEET; THENCE RUN N89°21'13"E, 232.49 FEET; THENCE RUN N81°11'38"E, 146.47 FEET; THENCE RUN N63°49'46"E, 350.69 FEET; THENCE RUN N42°37'46"E, 233.68 FEET; THENCE RUN N00°30'24"E, 835.26 FEET;

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 62.523 ACRES MORE OR LESS.

COPIED

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EXHIBIT "A"

Page 3 of 5

CONSERVATION AREA NO. 3

FOR A POINT OF REFERENCE COMMENCE AT THE SOUTHEAST CORNER OF SECTION 16, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN N89°17'30"W ALONG THE SOUTH LINE OF SAID SECTION 16, 260.87 FEET TO THE POINT OF BEGINNING; THENCE RUN S01°47'07"E, 661.59 FEET; THENCE RUN S01°47'07"E, 661.59 FEET; THENCE RUN S00°25'43"W, 60.33 FEET; THENCE RUN N87°27'33"W, 670.35 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN NORTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 111°41'00", A RADIUS OF 170.00 FEET, AN ARC LENGTH OF 331.38 FEET, A CHORD BEARING OF N31°34'03"W AND A CHORD DISTANCE OF 281.35 FEET; THENCE RUN N24°16'20"E, 153.31 FEET; THENCE RUN N19°11'22"W, 201.00 FEET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 69°59'48", A RADIUS OF 410.00 FEET, AN ARC LENGTH OF 500.88 FEET, A CHORD BEARING OF S41°11'16"W AND A CHORD DISTANCE OF 470.31 FEET; THENCE RUN N89°11'11"W, 749.31 FEET TO A CURVE CONCAVE TO THE SOUTH; THENCE RUN SOUTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 22°01'53", A RADIUS OF 388.96 FEET, AN ARC LENGTH OF 149.56 FEET, A CHORD BEARING OF S79°47'53"W AND A CHORD DISTANCE OF 148.64 FEET; THENCE RUN S69°21'15"W, 643.07 FEET; THENCE RUN S59°29'26"W, 541.38 FEET TO A CURVE CONCAVE TO THE NORTHWEST; THENCE RUN NORTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 123°17'00", A RADIUS OF 170.00 FEET, AN ARC LENGTH OF 365.79 FEET A CHORD BEARING OF N58°52'04" W AND A CHORD DISTANCE OF 299.20 FEET TO A CURVE CONCAVE TO THE EAST; THENCE RUN NORTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 25°03'40", A RADIUS OF 370.83 FEET, AN ARC LENGTH OF 162.20 FEET, A CHORD BEARING OF N15°18'16"E AND A CHORD DISTANCE OF 160.91 FEET; THENCE RUN N27°50'05"E, 532.49 FEET; THENCE RUN N74°20'15"E, 157.58 FEET; THENCE RUN N37°56'12"E, 62.56 FEET; TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 62°54'12", A RADIUS OF 145.00 FEET, AN ARC LENGTH OF 159.20 FEET, A CHORD BEARING OF N69°23'18"E AND A CHORD DISTANCE OF 151.32 FEET; TO A CURVE CONCAVE TO THE NORTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 35°45'38", A RADIUS OF 271.08 FEET, AN ARC LENGTH OF 169.19 FEET, A CHORD BEARING OF N82°57'35"E AND A CHORD DISTANCE OF 166.45 FEET TO A CURVE CONCAVE TO THE SOUTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 41°49'42", A RADIUS OF 297.62 FEET, AN ARC LENGTH OF 217.27 FEET, A CHORD BEARING OF N85°59'37"E AND A CHORD DISTANCE OF 212.48 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 42°2'58", A RADIUS OF 316.99 FEET, AN ARC LENGTH OF 232.64 FEET, A CHORD BEARING OF N85°52'59"E AND A CHORD DISTANCE OF 227.45 FEET; THENCE RUN N64°51'29"E, 349.56 FEET ET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 27°10'54", A RADIUS OF 740.00 FEET, AN ARC LENGTH OF 351.06 FEET, A CHORD BEARING OF N78°26'56"E AND A CHORD DISTANCE OF 347.78 FEET; THENCE RUN S87°57'37"E, 43.77 FEET; THENCE RUN N43°12'40"W, 91.25 FEET; THENCE RUN N18°45'06"W, 24.05 FEET; THENCE RUN N88°54'55"E, 228.42 FEET; THENCE RUN S88°36'47"E, 347.55 FEET; THENCE RUN S89°11'58"E, 220.44 FEET; THENCE RUN S89°17'28"E, 293.95 FEET; THENCE RUN S88°57'31"E, 346.77 FEET; THENCE RUN N80°27'19"E, 51.21 FEET; TO A CURVE CONCAVE TO THE WEST; THENCE RUN SOUTH ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 09°41'31", A RADIUS OF 1933.47 FEET, AN ARC DISTANCE OF 327.06 FEET, A CHORD BEARING OF N80°27'20"E AND A CHORD OF 326.67 FEET; THENCE RUN S01°47'07"E, 586.49 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 68.631 ACRES MORE OR LESS.

DR Bk 5883 Pg 3187
Orange Co FL 1999-0497292



ENGINEERING &
ENVIRONMENTAL
DESIGN, INC.

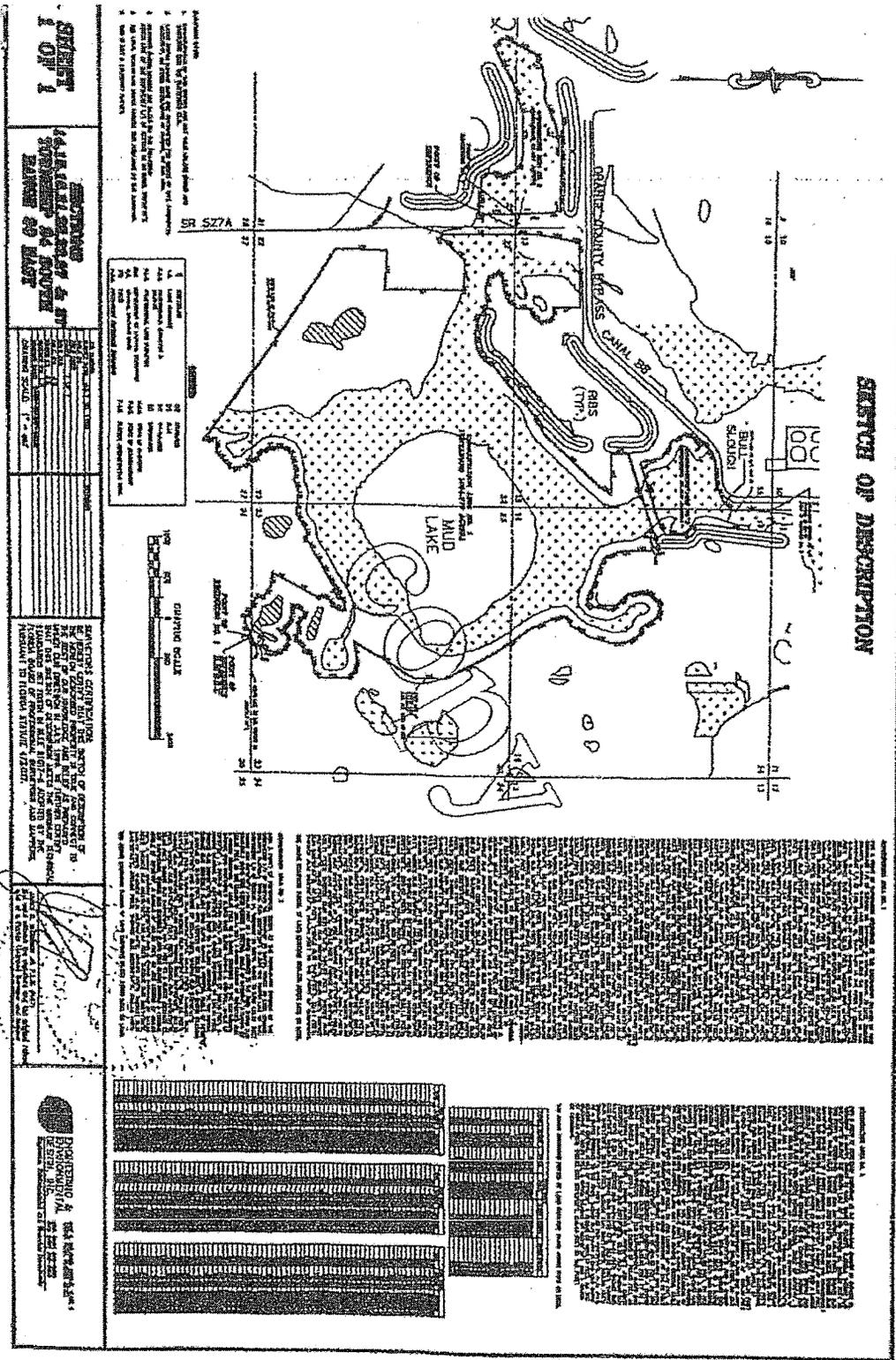
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FAX: (407) 599-5585

Engineers, Environmental and Planning Consultants

EXHIBIT "A"
Page 4 of 5

EXHIBIT "A"
Page 5 of 5



OR BK 5883 Pg 3188
Orange Co FL 1999-0497292
Recorded - Martha O. Haynie

EXHIBIT B - RELEASE PARCEL*(Legal description of the property to be released)*

CONSERVATION AREA NO. 2

FOR A POINT OF REFERENCE, BEGIN AT THE NORTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN S89°22'30"E ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 14, TOWNSHIP 24 SOUTH, RANGE 30 EAST 439.12 FEET THENCE RUN S06°21'45"W 1484.36 FEET TO A CURVE CONCAVE TO THE EAST; THENCE RUN SOUTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 64°53'54", A RADIUS OF 269.57 FEET, AN ARC LENGTH OF 305.34 FEET, A CHORD BEARING OF S26°05'12"E AND A CHORD DISTANCE OF 289.27 FEET TO A CURVE CONCAVE TO THE SOUTHWEST; THENCE RUN SOUTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 59°57'22", A RADIUS OF 178.84 FEET, AN ARC LENGTH OF 187.15 FEET, A CHORD BEARING OF S28°33'28"E AND A CHORD DISTANCE OF 178.72 FEET; THENCE RUN S00°55'32"W, 333.37 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN WESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 19°25'16", A RADIUS OF 912.00 FEET, AN ARC LENGTH OF 309.93 FEET, A CHORD BEARING OF S62°24'30"W AND A CHORD OF 308.44 FEET; THENCE RUN S72°47'46"W 1175.33 FEET; THENCE RUN N53°53'49"W, 45.28 FEET; THENCE RUN N11°18'22"W, 394.56 FEET; THENCE RUN N58°34'47"W, 388.23 FEET; THENCE RUN N25°24'45"W, 267.00 FEET; THENCE RUN N14°50'40"E, 213.33 FEET; THENCE RUN N49°43'26"E, 190.11 FEET; THENCE RUN N40°39'26"W, 75.80 FEET; THENCE RUN N40°42'46"E, 161.70 FEET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 48°46'19", A RADIUS OF 481.56 FEET, AN ARC LENGTH OF 409.92 FEET, A CHORD BEARING OF N65°05'55"E AND A CHORD DISTANCE OF 397.65 FEET; THENCE RUN N89°21'13"E, 232.49 FEET; THENCE RUN N81°11'38"E, 146.47 FEET; THENCE RUN N63°49'46"E, 350.69 FEET; THENCE RUN N42°37'46"E, 233.66 FEET; THENCE RUN N00°30'24"E, 835.26 FEET;

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 62.523 ACRES MORE OR LESS.

OR BK 5883 Pg 3186
Orange Co FL 1999-0497292

EXHIBIT B-1
PAGE 1 OF 2



**ENGINEERING &
ENVIRONMENTAL
DESIGN, INC.**

807 S. ORLANDO AVENUE, SUITE C
WINTER PARK, FLORIDA 32789

OFF: (407) 569-5588
FAX: (407) 569-5585

Engineers, Environmental and Planning Consultants

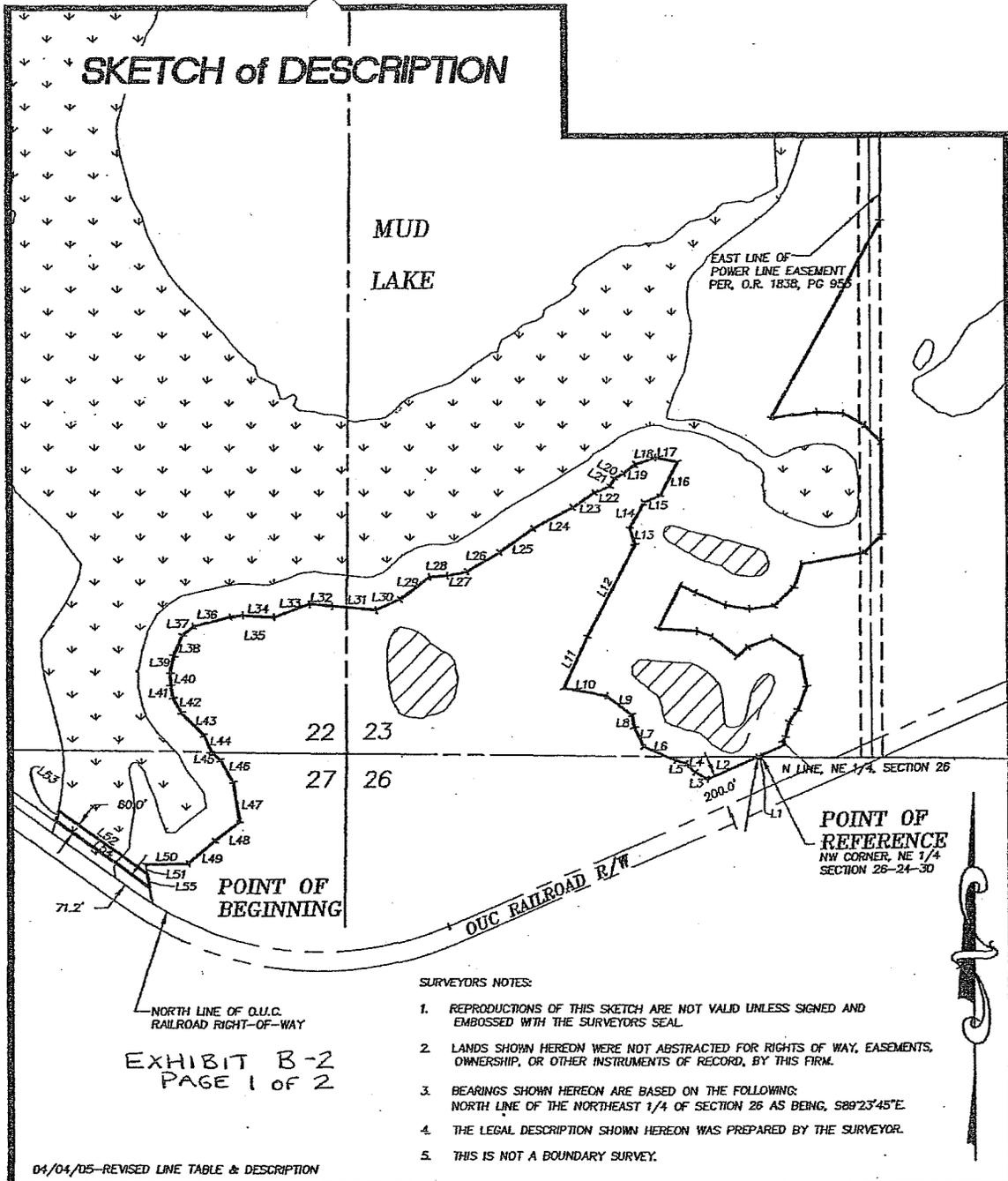


EXHIBIT B-2
PAGE 1 OF 2

SURVEYORS NOTES:

1. REPRODUCTIONS OF THIS SKETCH ARE NOT VALID UNLESS SIGNED AND EMBOSSED WITH THE SURVEYORS SEAL.
2. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS OF WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD, BY THIS FIRM.
3. BEARINGS SHOWN HEREON ARE BASED ON THE FOLLOWING:
NORTH LINE OF THE NORTHEAST 1/4 OF SECTION 26 AS BEING, S89°23'45"E.
4. THE LEGAL DESCRIPTION SHOWN HEREON WAS PREPARED BY THE SURVEYOR.
5. THIS IS NOT A BOUNDARY SURVEY.

04/04/05-REVISED LINE TABLE & DESCRIPTION

CERTIFIED TO:

I CERTIFY THAT THIS SKETCH MEETS OR EXCEEDS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, IN CHAPTER SIXTY-SEVEN, FLORIDA ADMINISTRATIVE CODE PURSUANT TO FLORIDA STATUTE 472.027

BY: *[Signature]*
ROBERT D.M. SEARS P.L.S. FLORIDA REGISTRATION No. 4283

SKETCH of DESCRIPTION
JOB No. 90070.042
DRAWN BY: R. Sears
FILE: P:90070/42-60'
FIELD BY: NAME
FIELD BOOK:
PAGE:
FIELD DATE:
DRAWING DATE: 03/28/05

SEARS SURVEYING COMPANY

2107 N. Park Avenue
Winter Park, FL 32789 (407) 897-6220
FLORIDA LICENSED BUSINESS NO. 5736

SKETCH of DESCRIPTION

LINE TABLE		
LINE	LENGTH	BEARING
L1	23.74	N89°32'04"W
L2	347.37	S66°50'37"W
L3	89.60	N60°54'05"W
L4	82.06	N46°37'02"W
L5	69.39	N74°56'17"W
L6	222.15	N67°10'16"W
L7	132.33	N24°52'26"W
L8	81.08	N11°00'55"W
L9	206.39	N54°13'16"W
L10	274.40	N80°26'40"W
L11	358.13	N25°03'25"E
L12	660.13	N28°03'17"E
L13	109.38	N16°35'30"W
L14	186.23	N29°25'20"E
L15	113.86	N67°33'08"E
L16	238.59	N28°03'17"E
L17	143.75	N79°07'08"W
L18	138.05	S71°23'35"W
L19	95.53	S53°55'13"W
L20	66.07	S63°08'32"W
L21	57.43	S31°42'04"W
L22	108.76	S65°58'07"W
L23	167.54	S56°29'55"W
L24	291.27	S62°48'03"W
L25	268.98	S55°24'30"W
L26	244.57	S60°26'45"W
L27	120.87	S78°51'44"W
L28	114.21	S85°36'14"W
L29	235.81	S52°24'21"W
L30	159.87	S65°36'15"W
L31	279.48	N84°23'28"W
L32	142.87	N84°26'14"W
L33	237.42	S69°36'17"W
L34	201.23	N86°51'49"W
L35	77.24	S83°52'35"W
L36	241.12	S75°05'06"W
L37	92.84	S53°18'05"W
L38	141.08	S22°38'11"W
L39	109.91	S11°21'55"W
L40	78.46	S00°38'47"E
L41	83.35	S10°49'18"E
L42	105.41	S28°54'11"E
L43	198.31	S44°28'47"E
L44	118.60	S26°42'35"E
L45	71.07	S46°21'13"E
L46	163.38	S32°11'52"E
L47	249.15	S09°19'10"E
L48	200.53	S53°06'00"W
L49	229.56	S48°59'12"W
L50	266.45	S89°21'13"W
L51	63.33	S10°06'31"E
L52	680.03	N53°42'18"W
L53	64.76	S14°11'26"W
L54	717.75	S53°46'31"E
L55	85.73	N10°06'31"W

DESCRIPTION:

FOR A POINT OF REFERENCE COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 26, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN N89°32'04"W ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF SAID SECTION 26, 23.74 FEET; THENCE RUN S 66°50'37" W, 347.37 FEET; THENCE RUN N 60°54'05" W, 89.60 FEET; THENCE RUN N 46°37'02" W, 82.06 FEET; THENCE RUN N 74°56'17" W, 69.39 FEET; THENCE RUN N 67°10'16" W, 222.15 FEET; THENCE RUN N 24°52'26" W, 132.33 FEET; THENCE RUN N 11°00'55" W, 81.08 FEET; THENCE RUN N 54°13'16" W, 206.39 FEET; THENCE RUN N 80°26'40" W, 274.40 FEET; THENCE RUN N 25°03'25" E, 358.13 FEET; THENCE RUN N 28°03'17" E, 660.13 FEET; THENCE RUN N 16°35'30" W, 109.38 FEET; THENCE RUN N 29°25'20" E, 186.23 FEET; THENCE RUN N 67°33'08" E, 113.86 FEET; THENCE RUN N 28°03'17" E, 238.59 FEET; THENCE RUN N 79°07'08" W, 143.75 FEET; THENCE RUN S 71°23'35" W, 138.05 FEET; THENCE RUN S 53°55'13" W, 95.53 FEET; THENCE RUN S 63°08'32" W, 66.07 FEET; THENCE RUN S 31°42'04" W, 57.43 FEET; THENCE RUN S 65°58'07" W, 108.76 FEET; THENCE RUN S 56°29'55" W, 167.54 FEET; THENCE RUN S 62°48'03" W, 291.27 FEET; THENCE RUN S 55°24'30" W, 268.98 FEET; THENCE RUN S 60°26'45" W, 244.57 FEET; THENCE RUN S 78°51'44" W, 120.87 FEET; THENCE RUN S 85°36'14" W, 114.21 FEET; THENCE RUN S 52°24'21" W, 235.81 FEET; THENCE RUN S 65°36'15" W, 159.87 FEET; THENCE RUN N 84°23'28" W, 279.48 FEET; THENCE RUN N 84°26'14" W, 142.87 FEET; THENCE RUN S 69°36'17" W, 237.42 FEET; THENCE RUN N 86°51'49" W, 201.23 FEET; THENCE RUN S 83°52'35" W, 77.24 FEET; THENCE RUN S 75°05'06" W, 241.12 FEET; THENCE RUN S 53°18'05" W, 92.84 FEET; THENCE RUN S 22°38'11" W, 141.08 FEET; THENCE RUN S 11°21'55" W, 109.91 FEET; THENCE RUN S 00°38'47" E, 78.46 FEET; THENCE RUN S 10°49'18" E, 83.35 FEET; THENCE RUN S 28°54'11" E, 105.41 FEET; THENCE RUN S 44°28'47" E, 198.31 FEET; THENCE RUN S 26°42'35" E, 118.60 FEET; THENCE RUN S 46°21'13" E, 71.07 FEET; THENCE RUN S 32°11'52" E, 163.38 FEET; THENCE RUN S 09°19'10" E, 249.15 FEET; THENCE RUN S 53°06'00" W, 200.53 FEET; THENCE RUN S 48°59'12" W, 229.56 FEET; THENCE RUN S 89°21'13" W, 266.45 FEET; THENCE RUN S 10°06'31" E, 63.33 FEET TO THE POINT OF BEGINNING; THENCE RUN N 53°42'18" W, 680.03 FEET; THENCE RUN S 14°11'26" W, 64.76 FEET; THENCE RUN S 53°46'31" E, 717.75 FEET; THENCE RUN N 10°06'31" W, 85.73 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 0.956 ACRES MORE OR LESS.

EXHIBIT B-2
PAGE 2 OF 2



**SEARS
SURVEYING
COMPANY**

2107 N. Park Avenue
Winter Park, FL 32789 (407) 897-6220
FLORIDA LICENSED BUSINESS NO. 5736

JOB No. 90070.042
FILE: P:90070\42-62.DWG
DRAWING DATE: 03/28/05

04/04/05-REVISED LINE TABLE & DESCRIPTION

PREPARED BY/
RETURN TO:



Martha H. Formella, Esq.
FOLEY & LARDNER
111 North Orange Avenue, Suite 1800
Post Office Box 2193
Orlando, FL 32802-2193
(407) 423-7656

For Recording Purposes Only

CONSERVATION EASEMENT
[MUD LAKE ENHANCEMENT AREA]

THIS CONSERVATION EASEMENT is made as of the 26th day of
October, 1999 by the CITY OF ORLANDO, a Florida municipal
corporation having a mailing address of 400 South Orange Avenue, Orlando, Florida 32801 (the
"City") and the GREATER ORLANDO AVIATION AUTHORITY, a public body, having a
mailing address of One Airport Boulevard, Orlando, Florida 32827-4399 (the "Authority")
(hereinafter collectively referred to as "Grantor") in favor of the South Florida Water Management
District, a public body, having a mailing address of Post Office Box 24680, West Palm Beach,
Florida 33416-4680 (hereinafter referred to as "Grantee").

WITNESSETH:

WHEREAS, the City solely owns in fee simple certain real property in Orange
County, Florida, more particularly described in Exhibit "A" attached hereto and by this reference
incorporated herein (the "Property"); and

WHEREAS, the Authority holds certain exclusive rights of occupation, operation, control, and use pursuant to that certain Operation and Use Agreement by and between the City and the Authority dated September 27, 1976, as amended; and

WHEREAS, Grantor grants this conservation easement as a condition of Permit No. 199800201 issued by the Army Corps of Engineers (the "Corps") and Permit No. 48-00063-S as modified by the South Florida Water Management District (the "District"); and

WHEREAS, Grantor desires to preserve the Property in its natural condition in perpetuity.

NOW THEREFORE, in consideration of the above and the mutual covenants, terms, conditions, and restrictions contained herein, and pursuant to the provisions of Section 704.06, Florida Statutes, Grantor hereby grants and conveys to Grantee a conservation easement in perpetuity over the Property of the nature and character and to the extent hereinafter set forth (the "Conservation Easement").

1. **Purpose.** The purpose of this Conservation Easement is to ensure that the Property will be retained forever in its existing natural condition and to prevent any use of the Property that will impair or interfere with the environmental value of the Property.

2. **Prohibited Uses.** Except for activities authorized by Permit No. 199800201 and Permit No. 48-00063-S as modified, the following activities and uses are prohibited:

(a) Construction or placing buildings, roads, signs, billboards or other advertising, utilities, or other structures on or above the ground;

(b) Dumping or placing soil or other substance or material as landfill or dumping or placing of trash, waste, or unsightly or offensive materials;

(c) Removing or destroying trees, shrubs, or other vegetation;

(d) Excavating, dredging, or removing loam, peat, gravel, soil, rock, or other material substances in such a manner as to affect the surface;

(e) Surface use, except for purposes that permit the land or water area to remain predominantly in its natural condition;

(f) Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation; and

(g) Acts or uses detrimental to such retention of land or water areas.

3. **Reserved Rights.** Grantor reserves unto itself, and its successors and assigns, all rights accruing from its ownership of the Property, including the right to engage in or permit or invite others to engage in all uses of the Property, that are not expressly prohibited herein and are not inconsistent with the purpose of this Conservation Easement.

4. **Rights of Grantee.** Grantee and the Corps may enter upon and inspect the Property in a reasonable manner and at reasonable times to determine if Grantor or its successors and assigns are complying with the covenants and prohibitions contained in this Conservation Easement. No right of access by the general public to any portion of the Property is created by this Conservation Easement. Grantee and the Corps may proceed at law or in equity to enforce the provisions of this Conservation Easement.

5. **Acts Beyond Grantor's Control.** Nothing contained in this Conservation Easement shall be construed to entitle Grantee to bring any action against Grantor or the Corps for any injury to or change in the Property resulting from natural causes beyond Grantor's control, including, without limitation, fire, flood, storm and earth movement, or from any necessary action taken by Grantor under emergency conditions to prevent, abate, or mitigate significant injury to the Property resulting from such causes.

6. Recordation. Grantor shall record this Conservation Easement in a timely fashion in the Public Records of Orange County, Florida.

7. Successors. The covenants, terms, conditions, and restrictions of this Conservation Easement shall be binding upon and inure to the benefit of the parties hereto and their respective personal representatives, heirs, successors, and assigns and shall continue as a servitude running in perpetuity with the Property.

8. Termination. If the Corps modifies Permit No. 199800201 and Grantee modifies Permit No. 48-00063-S such that this Conservation Easement is no longer required, Grantee shall terminate it. Such termination shall be effective upon recording a Termination of Conservation Easement in the Public Records of Orange County, Florida.

IN WITNESS WHEREOF, Grantor has executed this Conservation Easement on the day and year first above written.

Signed, sealed and delivered
in our presence as witnesses:

GRANTOR:

CITY OF ORLANDO
a Florida municipal corporation

Signature: Jay W. Craig
Printed Name: JAY W. CRAIG

By: Bill Bagley
Printed Name: Bill Bagley

Signature: Camilla Crosby
Printed Name: CAMILLA CROSBY

Title: Mayor Pro tem
Date Executed: October 25, 1999

(CITY SEAL)
Attest: Grace A. Chwning
Printed Name: Grace A. Chwning
Title: City Clerk

Approved as to form and legality for the use and reliance of the City of Orlando only this 2d day of November, 1999.

By: [Signature]
City Attorney

STATE OF FLORIDA
COUNTY OF ORANGE

I HEREBY CERTIFY that on this day before me, an officer duly authorized in the State and County aforesaid to take acknowledgements, personally appeared Bill Bagley and Grace A. Chewning as Mayor Pro tem and City Clerk, respectively, of the City of Orlando, a Florida municipal corporation, and who are personally known to me or produced _____ as identification, and that they acknowledged executing the same on behalf of said corporation in the presence of two subscribing witnesses, freely and voluntarily, for the uses and purposes therein expressed.

WITNESS my hand and official seal in the County and State last aforesaid this 2 day of November, 1999.

[Signature]
Signature of Notary

FAY W. CRAIG
Name of Notary (Typed, Printed or Stamped)

Commission Number (if not legible on seal) _____
My Commission Expires: (if not legible on seal) _____



Signed, sealed and delivered
in our presence as witnesses:

**GREATER ORLANDO AVIATION
AUTHORITY, a public body**

Signature: Rita A. Floyd

Printed Name: Rita A. Floyd

Signature: Linda K. Davis

Printed Name: LINDA K. DAVIS

By: [Signature]

Printed Name: EGERTON K. VAN DEN BERG
EXECUTIVE DIRECTOR

Title: _____

Date Executed: 10/26/99

(SEAL)

Attest: [Signature]

Printed Name: DAYCI S. BURNETTE
ASSISTANT SECRETARY

Title: _____

Approved as to form and legality for the
use and reliance of the Greater Orlando
Aviation Authority only this 20th day
of October, 1999.

FOLEY & LARDNER

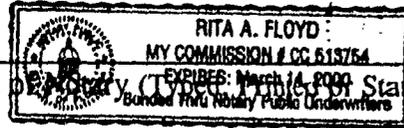
By: [Signature]
General Counsel

STATE OF FLORIDA
COUNTY OF ORANGE

I HEREBY CERTIFY that on this day before me, an officer duly authorized in the State and County aforesaid to take acknowledgements, personally appeared Egerton K. Vander Ball as _____ and _____, respectively of the Greater Orlando Aviation Authority, a public body, and who are personally known to me, and that they acknowledged executing the same on behalf of said public body in the presence of two subscribing witnesses, freely and voluntarily, for the uses and purposes therein expressed.

WITNESS my hand and official seal in the County and State last aforesaid this 26th day of October, 1999.

Rita A. Floyd
Signature of Notary



Name of Notary (Typed Name or Stamped)

Commission Number (if not legible on seal) _____

My Commission Expires (if not legible on seal) _____

CONSERVATION AREA NO. 1

FOR A POINT OF REFERENCE COMMENCE AT THE NORTHWEST CORNER OF THE
 NORTHEAST 1/4 OF SECTION 26, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE
 COUNTY, FLORIDA; THENCE RUN N89°32'04"W ALONG THE NORTH LINE OF THE
 NORTHWEST 1/4 OF SAID SECTION 26, 23.74 FEET TO THE POINT OF BEGINNING;
 THENCE RUN S66°50'37"W, 347.37 FEET; THENCE RUN N60°54'05"W, 89.60
 FEET; THENCE RUN N46°37'02" W, 82.06 FEET; THENCE RUN N74°56'17"W,
 69.39 FEET; THENCE RUN N67°10'16"W, 222.15 FEET; THENCE RUN
 N24°52'26"W, 132.33 FEET; THENCE RUN N11°00'55"W, 81.08 FEET; THENCE
 RUN N54°13'16"W, 206.39 FEET; THENCE RUN N80°26'40"W, 274.40 FEET;
 THENCE RUN N25°03'25"E, 358.13 FEET; THENCE RUN N 28°3'17" E, 660.13
 FEET; THENCE RUN N16°35'30"W, 109.38 FEET; THENCE RUN N29°25'20"E,
 186.23 FEET; THENCE RUN N 67°33'8" E, 113.86 FEET; THENCE RUN
 N28°03'17"E, 238.59 FEET; THENCE RUN N79°07'08"W, 143.75 FEET;
 THENCE RUN S71°23'35"W, 138.05 FEET; THENCE RUN S53°55'13"W, 95.53
 FEET; THENCE RUN S63°08'32"W, 66.07 FEET; THENCE RUN S31°42'04"W,
 57.43 FEET; THENCE RUN S65°58'07"W, 108.76 FEET; THENCE RUN
 S56°29'56"W, 167.54 FEET; THENCE RUN S62°48'03"W, 291.27 FEET;
 THENCE RUN S55°24'30"W, 268.98 FEET; THENCE RUN S60°26'45"W, 244.57
 FEET; THENCE RUN S78°51'44"W, 120.87 FEET; THENCE RUN S85°36'14"W,
 114.21 FEET; THENCE RUN S52°24'21"W, 235.81 FEET; THENCE RUN
 S65°36'15"W, 159.87 FEET; THENCE RUN N84°23'28"W, 279.48 FEET;
 THENCE RUN N84°26'14"W, 142.87 FEET; THENCE RUN S69°36'17"W, 237.42
 FEET; THENCE RUN N86°51'49"W, 201.23 FEET; THENCE RUN S83°52'35"W,
 77.24 FEET; THENCE RUN S75°05'06" W, 241.12 FEET; THENCE RUN
 S53°18'05"W, 92.84 FEET; THENCE RUN S22°38'11"W, 141.08 FEET; THENCE
 RUN S11°21'55"W, 109.91 FEET; THENCE RUN S00°38'47"E, 78.46 FEET;
 THENCE RUN S10°49'18"E, 83.35 FEET; THENCE RUN S28°54'11"E, 105.41
 FEET; THENCE RUN S44°28'47"E, 198.31 FEET; THENCE RUN S26°42'35"E,
 118.60 FEET; THENCE RUN S46°21'13"E, 71.07 FEET; THENCE RUN
 S32°11'52"E, 163.38 FEET; THENCE RUN S09°19'10"E, 249.15 FEET;
 THENCE RUN S53°06'00" W, 200.53 FEET; THENCE RUN S48°59'12"W, 229.56
 FEET; THENCE RUN S89°21'13"W, 266.45 FEET; THENCE RUN S10°06'31"E,
 253.46 FEET TO THE NORTHEASTERLY RIGHT OF WAY LINE OF THE O.U.C.
 RAILROAD AND A CURVE CONCAVE TO THE NORTHEAST; THENCE RUN
 NORTHWESTERLY ALONG SAID RIGHT OF WAY LINE AND CURVE HAVING A CENTRAL
 ANGLE OF 04°30'23", A RADIUS OF 2030.00 FEET, AN ARC LENGTH OF 159.66
 FEET, A CHORD BEARING OF N55°57'56"W AND A CHORD DISTANCE OF 159.62
 FEET; THENCE RUN N55°57'56"W, 159.62 FEET; THENCE RUN N53°47'36"W,
 4428.72 FEET; THENCE RUN N01°26'53"E, 1025.57 FEET; THENCE RUN
 S85°45'50"E, 769.54 FEET; THENCE RUN N00°14'43"W, 1613.69 FEET;
 THENCE RUN N66°08'26" W, 32.54 FEET; THENCE RUN N86°09'42"W, 552.27
 FEET; THENCE RUN S43°19'04"W, 282.90 FEET; THENCE RUN S38°44'34"W,
 379.45 FEET; THENCE RUN S73°29'25"W, 33.04 FEET; THENCE RUN
 N19°01'08"W, 127.26 FEET; THENCE RUN N00°04'09"E, 1372.95 FEET;
 THENCE RUN N06°21'59"E 296.92 FEET; THENCE RUN N11°02'42"E 504.68 FEET;
 THENCE RUN N15°46'51"E, 189.32 FEET; THENCE RUN N89°17'02"E, 419.10
 FEET; THENCE RUN S89°53'12"E, 285.00 FEET; THENCE RUN N88°11'48"E,
 150.10 FEET; THENCE RUN N89°47'33"E, 354.58 FEET; THENCE RUN
 S00°56'03"E, 534.82 FEET; THENCE RUN S88°14'08"E, 166.05 FEET;
 THENCE RUN S33°21'21"E, 159.89 FEET; THENCE RUN S91°22'7"E, 148.51
 FEET; THENCE RUN S33°26'39"W, 146.96 FEET; THENCE RUN S65°20'28"W,
 169.94 FEET; THENCE RUN S01°42'26"W, 256.36 FEET; THENCE RUN
 S42°07'39"W, 224.63 FEET; THENCE RUN S67°25'32"W, 176.25 FEET;
 THENCE RUN S80°41'17"W, 277.13 FEET; THENCE RUN S36°23'17"W, 141.50
 FEET; THENCE RUN S24°50'05"E, 188.91 FEET; THENCE RUN S74°59'23"E,
 232.37 FEET; THENCE RUN N83°27'50"E, 371.99 FEET; THENCE RUN
 S18°00'7"E, 70.95 FEET; THENCE RUN S54°27'53"E, 126.51 FEET; THENCE
 RUN S67°01'35"E, 156.35 FEET; THENCE RUN S78°03'44"E, 214.20 FEET;
 THENCE RUN N83°18'25"E, 256.16 FEET; THENCE RUN N64°38'59"E, 213.08
 FEET; THENCE RUN N43°38'45"E, 153.96 FEET; THENCE RUN N33°41'25"E,
 188.03 FEET; THENCE RUN N49°57'13"E, 641.16 FEET; THENCE RUN
 N48°25'19"E, 583.01 FEET; THENCE RUN N88°22'28"E, 80.42 FEET; THENCE
 RUN N54°43'21" E, 344.89 FEET; THENCE RUN N42°40'57"E, 1528.39 FEET;
 THENCE RUN N33°10'44"E, 281.43 FEET; THENCE RUN S89°45'17"W, 810.34



**ENGINEERING &
 ENVIRONMENTAL
 DESIGN, INC.**

Engineers, Environmental and Planning Consultants

807 S. ORLANDO AVENUE, SUITE C
 WINTER PARK, FLORIDA 32789

OFF: (407) 599-5588
 FAX: (407) 599-5585

DR Bk 5883 Pg 3184
Orange Co FL 1999-0497292

FEET; THENCE RUN N00°31'41"E, 346.90 FEET; THENCE RUN N72°47'56"E, 1409.79 FEET TO A CURVE CONCAVE TO THE NORTHWEST; THENCE RUN NORTH-EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 17°45'34", A RADIUS OF 1088.00 FEET, AN ARC LENGTH OF 337.24 FEET, A CHORD BEARING OF N63°38'22"E AND A CHORD OF 335.89 FEET TO A CURVE CONCAVE TO THE NORTHEAST; THENCE RUN SOUTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 29°25'43", A RADIUS OF 146.99 FEET, AN ARC LENGTH OF 75.50 FEET, A CHORD BEARING OF S75°31'51"E AND A CHORD OF 74.67 FEET; THENCE RUN N89°45'17"E, 88.49 FEET; THENCE RUN S05°00'11"E, 65.32 FEET; THENCE RUN S05°19'51"W, 26.44 FEET; THENCE RUN N89°45'17"E, 90.93 FEET; THENCE RUN S00°31'41"W, 386.42 FEET; THENCE RUN S07°09'41"E, 269.05 FEET; THENCE RUN S19°25'01"E, 279.00 FEET; THENCE RUN S56°01'08"E, 173.15 FEET; THENCE RUN S70°15'17"E, 268.12 FEET; THENCE RUN S67°11'08"E, 292.52 FEET; THENCE RUN S69°40'54"E, 195.72 FEET; THENCE RUN N46°04'32"E, 174.20 FEET; THENCE RUN N11°03'37"E, 321.32 FEET; THENCE RUN N28°18'29"W, 194.76 FEET; THENCE RUN N46°01'07"W, 295.68 FEET; THENCE RUN N12°11'05"W, 304.49 FEET; THENCE RUN N26°49'03"E, 289.50 FEET; THENCE RUN N65°56'25"E, 212.82 FEET; THENCE RUN S68°26'09"E, 215.88 FEET; THENCE RUN S31°01'09"E, 313.38 FEET; THENCE RUN S64°24'55"E, 197.23 FEET; THENCE RUN S31°11'56"E, 267.21 FEET; THENCE RUN S03°21'58"E, 315.56 FEET; THENCE RUN S16°18'20"W, 442.26 FEET; THENCE RUN S30°03'21"W, 431.30 FEET; THENCE RUN S47°20'38"W, 271.34 FEET; THENCE RUN S06°23'00"E, 226.63 FEET; THENCE RUN S25°40'21"E, 520.15 FEET; THENCE RUN S34°07'11"E, 841.81 FEET; THENCE RUN S26°38'05"E, 1115.14 FEET; THENCE RUN S00°06'36"W, 623.88 FEET; THENCE RUN S29°51'46"W, 1419.57 FEET; THENCE RUN N81°47'13"E, 296.58 FEET; THENCE RUN S86°40'25"E, 167.81 FEET; THENCE RUN S62°12'12"E, 155.01 FEET; THENCE RUN S44°14'57"E, 151.90 FEET; THENCE RUN S00°06'37"W, 587.28 FEET; THENCE RUN S44°21'14"W, 152.14 FEET; THENCE RUN S80°09'04"W, 415.00 FEET; THENCE RUN S17°19'29"W, 152.45 FEET; THENCE RUN S47°03'28"W, 175.19 FEET; THENCE RUN S83°49'27"W, 163.61 FEET; THENCE RUN N80°53'23"W, 154.16 FEET; THENCE RUN N67°18'25"W, 206.18 FEET; THENCE RUN N63°40'50"W, 104.04 FEET; THENCE RUN S27°49'28"W, 309.36 FEET; THENCE RUN S86°42'56"E, 244.41 FEET; THENCE RUN S69°04'58"E, 98.80 FEET; THENCE RUN S52°18'05"E, 206.74 FEET; THENCE RUN N49°24'22"E, 91.71 FEET; THENCE RUN N71°18'33"E, 168.09 FEET; THENCE RUN S57°32'49"E, 216.12 FEET; THENCE RUN S10°36'01"E, 188.71 FEET; THENCE RUN S21°47'13"W, 159.95 FEET; THENCE RUN S35°48'01"W, 99.98 FEET; THENCE RUN S12°49'34"W, 92.65 FEET; THENCE RUN S36°59'03"W, 37.33 FEET; THENCE RUN S48°24'03"E, 28.04 FEET; THENCE RUN S66°50'37"W, 194.94 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 1084.276 ACRES MORE OR LESS.

OR Bk 5883 Pg 3185
Orange Co FL 1999-0497292



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FAX: (407) 599-5585

Engineers, Environmental and Planning Consultants

CONSERVATION AREA NO. 2

FOR A POINT OF REFERENCE, BEGIN AT THE NORTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 15, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN S89°22'30"E ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 14, TOWNSHIP 24 SOUTH, RANGE 30 EAST 439.12 FEET THENCE RUN S06°21'45"W 1484.36 FEET TO A CURVE CONCAVE TO THE EAST; THENCE RUN SOUTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 64°53'54", A RADIUS OF 269.57 FEET, AN ARC LENGTH OF 305.34 FEET, A CHORD BEARING OF S26°05'12"E AND A CHORD DISTANCE OF 289.27 FEET TO A CURVE CONCAVE TO THE SOUTHWEST; THENCE RUN SOUTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 59°57'22", A RADIUS OF 178.84 FEET, AN ARC LENGTH OF 187.15 FEET, A CHORD BEARING OF S28°33'28"E AND A CHORD DISTANCE OF 178.72 FEET; THENCE RUN S00°55'32"W, 333.37 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN WESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 19°25'16", A RADIUS OF 912.00 FEET, AN ARC LENGTH OF 309.93 FEET, A CHORD BEARING OF S62°24'30"W AND A CHORD OF 308.44 FEET; THENCE RUN S72°47'46"W 1175.33 FEET; THENCE RUN N53°53'49"W, 45.28 FEET; THENCE RUN N11°18'22"W, 394.56 FEET; THENCE RUN N58°34'47"W, 388.23 FEET; THENCE RUN N25°24'45"W, 267.00 FEET; THENCE RUN N14°50'40"E, 213.33 FEET; THENCE RUN N49°43'26"E, 190.11 FEET; THENCE RUN N40°39'26"W, 75.80 FEET; THENCE RUN N40°42'46"E, 161.70 FEET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 48°46'19", A RADIUS OF 481.56 FEET, AN ARC LENGTH OF 409.92 FEET, A CHORD BEARING OF N65°05'55"E AND A CHORD DISTANCE OF 397.65 FEET; THENCE RUN N89°21'13"E, 232.49 FEET; THENCE RUN N81°11'38"E, 146.47 FEET; THENCE RUN N63°49'46"E, 350.69 FEET; THENCE RUN N42°37'46"E, 233.66 FEET; THENCE RUN N00°30'24"E, 835.26 FEET;

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 62.523 ACRES MORE OR LESS.

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CONSERVATION AREA NO. 3

FOR A POINT OF REFERENCE COMMENCE AT THE SOUTHEAST CORNER OF SECTION 16, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN N89°17'30"W ALONG THE SOUTH LINE OF SAID SECTION 16, 260.87 FEET TO THE POINT OF BEGINNING; THENCE RUN S01°47'07"E, 661.59 FEET; THENCE RUN S01°47'07"E, 661.59 FEET; THENCE RUN S00°25'43"W, 60.33 FEET; THENCE RUN N87°27'33"W, 670.35 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN NORTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 111°41'00", A RADIUS OF 170.00 FEET, AN ARC LENGTH OF 331.38 FEET, A CHORD BEARING OF N31°34'03"W AND A CHORD DISTANCE OF 281.35 FEET; THENCE RUN N24°16'20"E, 153.31 FEET; THENCE RUN N19°11'22"W, 201.00 FEET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 69°59'48", A RADIUS OF 410.00 FEET, AN ARC LENGTH OF 500.88 FEET, A CHORD BEARING OF 54°11'16"W AND A CHORD DISTANCE OF 470.31 FEET; THENCE RUN N89°11'11"W, 749.31 FEET TO A CURVE CONCAVE TO THE SOUTH; THENCE RUN SOUTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 22°01'53", A RADIUS OF 388.96 FEET, AN ARC LENGTH OF 149.56 FEET, A CHORD BEARING OF S79°47'53"W AND A CHORD DISTANCE OF 148.64 FEET; THENCE RUN S69°21'15"W, 643.07 FEET; THENCE RUN S59°29'26"W, 541.38 FEET TO A CURVE CONCAVE TO THE NORTHWEST; THENCE RUN NORTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 123°17'00", A RADIUS OF 170.00 FEET, AN ARC LENGTH OF 365.79 FEET A CHORD BEARING OF N58°52'04" W AND A CHORD DISTANCE OF 299.20 FEET TO A CURVE CONCAVE TO THE EAST; THENCE RUN NORTHERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 25°03'40", A RADIUS OF 370.83 FEET, AN ARC LENGTH OF 162.20 FEET, A CHORD BEARING OF N15°18'16"E AND A CHORD DISTANCE OF 160.91 FEET; THENCE RUN N27°50'05"E, 532.49 FEET; THENCE RUN N74°20'15"E, 157.58 FEET; THENCE RUN N37°56'12"E, 62.56 FEET; TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 62°54'12", A RADIUS OF 145.00 FEET, AN ARC LENGTH OF 159.20 FEET, A CHORD BEARING OF N69°23'18"E AND A CHORD DISTANCE OF 151.32 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 35°45'38", A RADIUS OF 271.08 FEET, AN ARC LENGTH OF 169.19 FEET, A CHORD BEARING OF N82°57'35"E AND A CHORD DISTANCE OF 166.46 FEET TO A CURVE CONCAVE TO THE SOUTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 41°49'42", A RADIUS OF 297.62 FEET, AN ARC LENGTH OF 217.27 FEET, A CHORD BEARING OF N85°59'37"E AND A CHORD DISTANCE OF 212.48 FEET TO A CURVE CONCAVE TO THE NORTH; THENCE RUN EASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 42°2'58", A RADIUS OF 316.99 FEET, AN ARC LENGTH OF 232.64 FEET, A CHORD BEARING OF N85°52'59"E AND A CHORD DISTANCE OF 227.45 FEET; THENCE RUN N64°51'29"E, 349.56 FEET ET TO A CURVE CONCAVE TO THE SOUTHEAST; THENCE RUN NORTHEASTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 27°10'54", A RADIUS OF 740.00 FEET, AN ARC LENGTH OF 351.06 FEET, A CHORD BEARING OF N78°26'56"E AND A CHORD DISTANCE OF 347.78 FEET; THENCE RUN S87°57'37"E, 43.77 FEET; THENCE RUN N43°12'40"W, 91.25 FEET; THENCE RUN N18°45'06"W, 24.05 FEET; THENCE RUN N88°54'55"E, 228.42 FEET; THENCE RUN S88°36'47"E, 347.55 FEET; THENCE RUN S89°11'58"E, 220.44 FEET; THENCE RUN S89°17'28"E, 293.96 FEET; THENCE RUN S88°57'31"E, 346.77 FEET; THENCE RUN N80°27'19"E, 51.21 FEET; TO A CURVE CONCAVE TO THE WEST; THENCE RUN SOUTH ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 09°41'31", A RADIUS OF 1933.47 FEET, AN ARC DISTANCE OF 327.06 FEET, A CHORD BEARING OF N80°27'20"E AND A CHORD OF 326.67 FEET; THENCE RUN S01°47'07"E, 586.49 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 68.631 ACRES MORE OR LESS.

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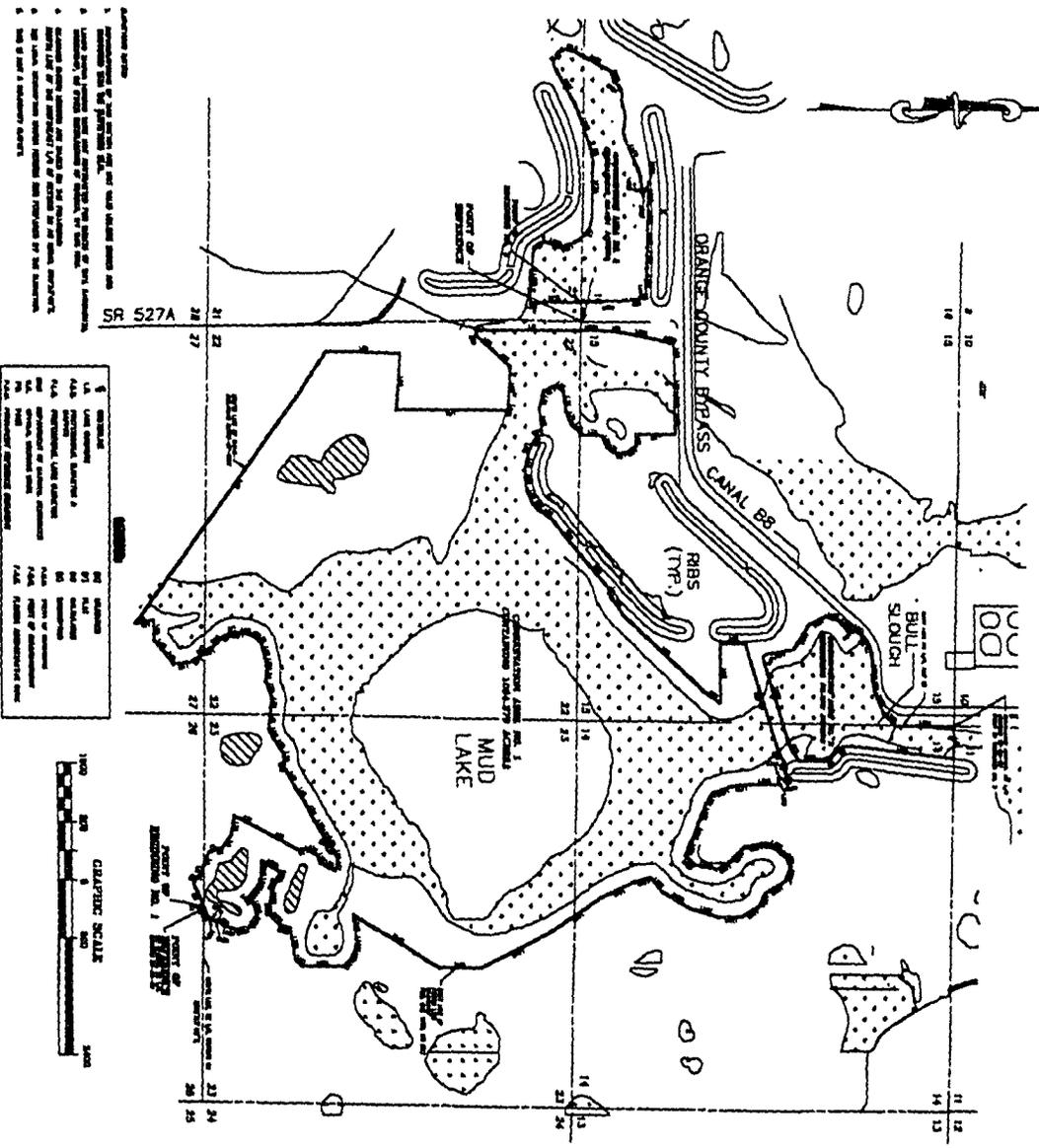
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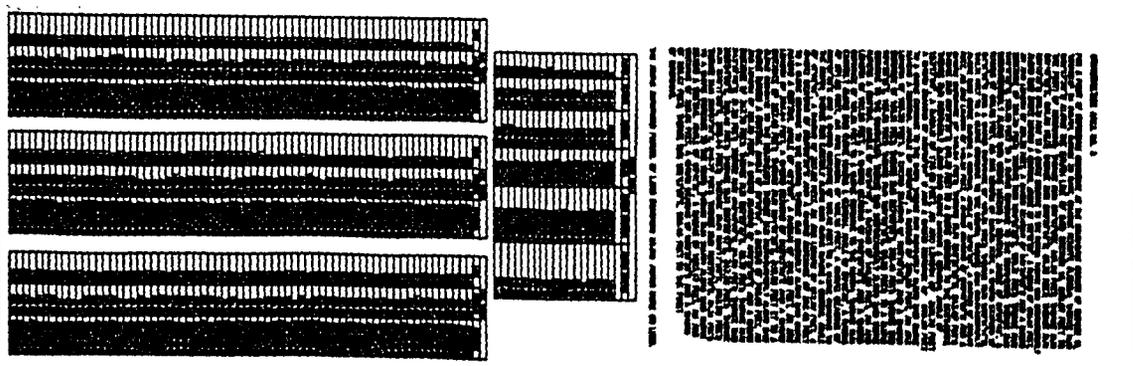
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SKETCH OF DESCRIPTION



SECTION 1
SECTION 2
SECTION 3
SECTION 4
SECTION 5
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SECTION 34
SECTION 35



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Recorded - Martha O. Haynie

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Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNE S/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006

Legend

- MCO Boundary
- Mud Lake Conservation Easement (1151.678 ac)
- Wetland Preservation (234 ac)
- Wetland Enhancement (473.61 ac)
- Wetland Creation (136.94 ac)

Exhibit 4: Conservation Easement Map | Orlando, FL



MEMORANDUM

TO: Governing Board Members

FROM: Stacey Payseno, Water Resources Division

DATE: November 14, 2024

SUBJECT: Fiscal Year 2025-2026 Alternative Water Supply Funding Program

Agenda Item Background:

This item includes a presentation of the upcoming Fiscal Year 2025-2026 Alternative Water Supply Funding Program (Program) which includes an overview and a tentative schedule for implementation; no action is required at this time. The Program's purpose is to provide financial incentives through matching grants for local alternative water supply and water conservation projects.

Staff is also seeking Governing Board authorization to clarify the eligibility requirement for the status of Water Supply Facilities Work plans for local government applicants. After the District approves a regional water supply plan, local government applicants must have a current, approved Water Supply Facilities Work Plan, on or before the date of their application to the District.

Additional Item Background:

Water resource and water supply development projects help to protect our water resources and ensure that the needs of existing and future users are met. In recognition of this, the State's past four fiscal year budgets have included a total of \$310 Million in statewide cost-share funding to support development of alternative water supply projects. The Florida Department of Environmental Protection (DEP) administers this funding and relies on a priority list of projects submitted by each of the State's water management districts for funding 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 each May, in anticipation of Alternative Water Supply funding being approved in the State's next fiscal year's budget.

Core Mission and Strategic Priorities:

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

Funding Source:

Anticipated recurring state appropriations as outlined in Executive Order 23-06 (Achieving Even More Now for Florida's Environment) for alternate water supply and water conservation projects in the State's Fiscal Year 2025-2026 budget. If there are no state appropriations for alternative water supply funding approved, there will be no cost to the District. If funding is allocated through the Water Protection and Sustainability Program, the District is required to provide 100% match funding.

Staff Contact and/or Presenter:

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

ATTACHMENTS:

[Resolution No. 2024-1114](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2024 - 11XX

A Resolution of the Governing Board of the South Florida Water Management District directing staff to clarify the eligibility requirement for the status of Water Supply Facilities Work Plans for local government applicants; providing an effective date.

WHEREAS, the District is required to complete a regional water supply plan every five years pursuant to section 373.709, Florida Statutes; and

WHEREAS, section 163.3177(6)(c)4., Florida Statutes, requires that within 18 months of the District approving an updated Regional Water Supply Plan, each local government within that region must prepare and adopt a Water Supply Facilities Work Plan (WSFWP) that will become part of its comprehensive plan; and

WHEREAS, the WSFWP identifies and plans for the water supply sources and facilities needed to serve existing and new development within a county's or municipality's jurisdiction, which links District-approved regional water supply plans and identified projects to meet projected water needs for the local government; and

WHEREAS, local governments seeking eligibility for cost-share funding from the District must adopt a WSFWP that will become part of its comprehensive plan; and

WHEREAS, the District submits an approved project list each year to the Florida Department of Environmental Protection for cooperative funding consideration.

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 directs staff to clarify the eligibility requirement for the District's cooperative funding program. Local government applicants must have a current, approved Water Supply Facilities Work Plan, on or before the date of their application to the District.

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

PASSED and ADOPTED this 14th day of November, 2024.

FDEP Alternative Water Supply Grant Program



Stacey Payseno, PMP
Lead Project Manager
Water Supply Bureau
November 14, 2024

FDEP Alternative Water Supply (AWS) Funding

- Governor DeSantis' Executive Order 23-06
 - Requested recurring funding for AWS development
- Since 2019, \$310 million was approved for water supply development projects statewide
- FDEP administers AWS funding
 - Requests water management districts provide list of projects for state funding consideration each May



Reclaimed water
main installation



Reclaimed water
pump station



Reverse osmosis concentrate
disposal well

Fiscal Year 2025-2026 AWS Funding Anticipated Schedule

December 2, 2024

Application period begins

January 2025

Conduct two informational webinars

February 26, 2025

Application deadline

March – April 2025

Staff application review process

May 2025

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

Project Types

➤ Alternative Water Supply

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



Reverse osmosis membranes



Reclaimed water pump station

➤ Water Conservation

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



Utility automatic line flushing device



Agricultural irrigation system retrofit

Program Historic State and District Funding

Alternative Water Supply

Years	Projects	Capacity (mgd)	Construction Costs	Funding
FY97 – FY24	534	523	\$1.74 B	\$256.1 M

Water Conservation

Years	Projects	Estimated Water Savings (mgd)	Total Project Costs	Funding
FY03 – FY24	267	13.9	\$31.24 M	\$9.2 M

mgd = million gallons per day



Clewiston Injection
Well

FDEP Funding Considerations

➤ Project funding considerations

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

Additional District Considerations

➤ Alternative Water Supply

- Supports goals & objectives of regional water supply plan
- Reduces dependence on traditional sources
- Supports ocean outfall legislation
- Other: green infrastructure, higher water quality treatment for reclaimed water, contributes to AWS development in resource-limited area



Brackish water supply well

➤ Water Conservation

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



Rain cutoff device

Governing Board Priorities

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



Irrigation system retrofit

Resolution

A Resolution of the Governing Board of the South Florida Water Management District directing staff to clarify the eligibility requirement for the status of Water Supply Facilities Work Plans for local government applicants.

Thank You



Water and Ecological Conditions Summary

South Florida Water Management District Governing Board Meeting November 14, 2024



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

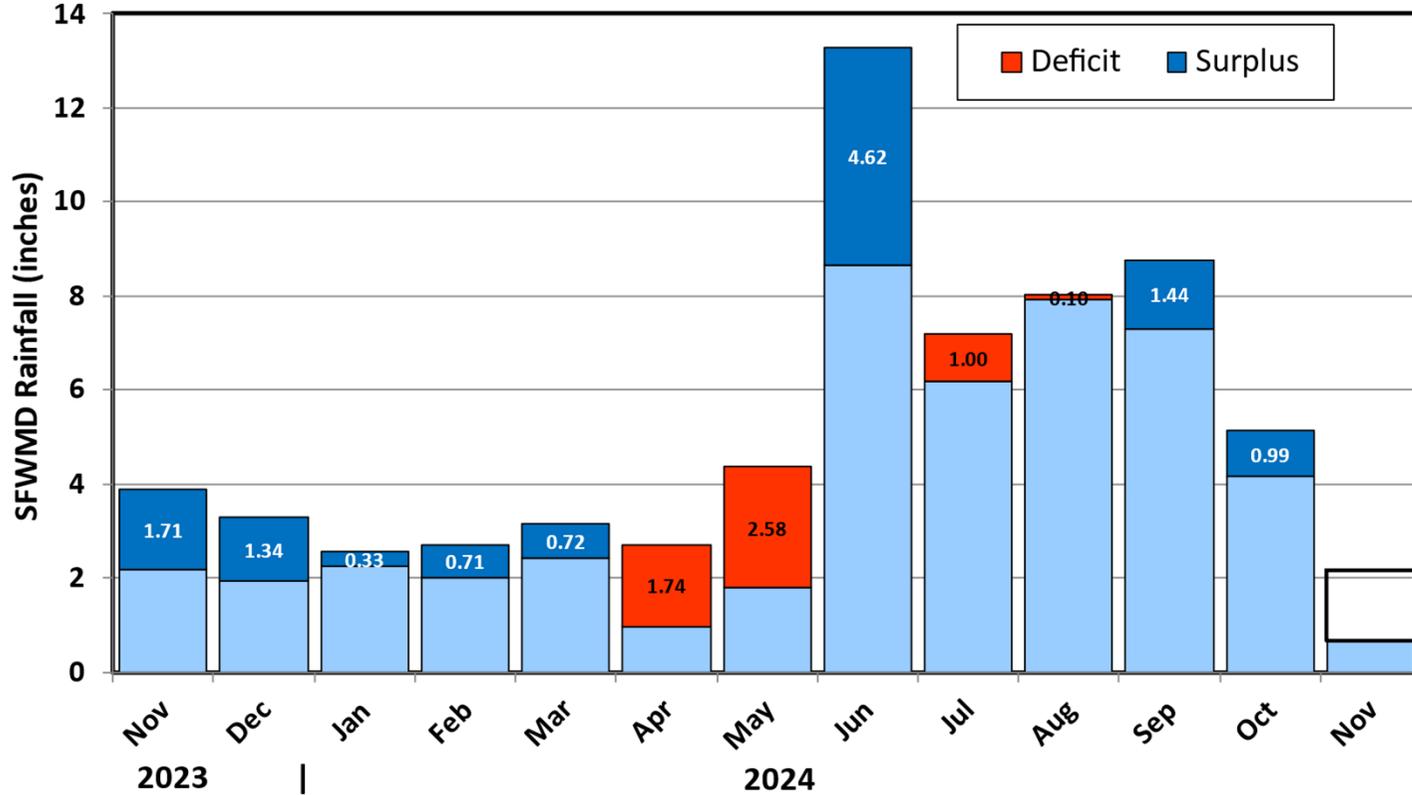


Lawrence Glenn
Division Director
Water Resources

SFWMD Rainfall Distribution Comparison (November 2023 - November 2024)

Wet-Season Rainfall

- Total rainfall 120% of normal since the start of the 2024 wet season (13 May)
- May and July were below Normal
- June finished above 90th percentile
- August near normal
- September was above Normal



District Wide Average Rainfall

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

} Wet Season

2023-2024 DRY SEASON

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

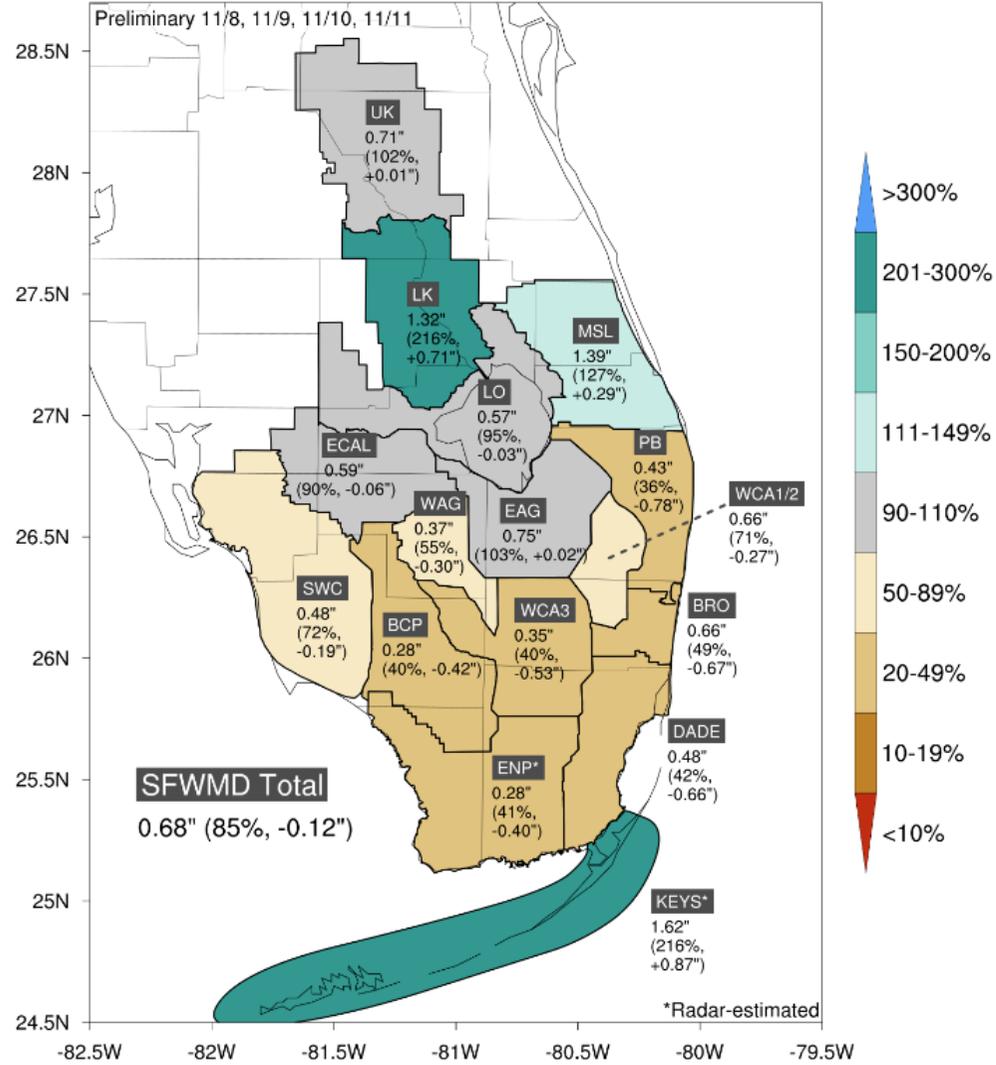
2024 WET SEASON

- Total rainfall 120% of normal (5/13 – 10/9/2024)
- May and July were below Normal
- June finished above 90th percentile
- August near normal
- September was above Normal

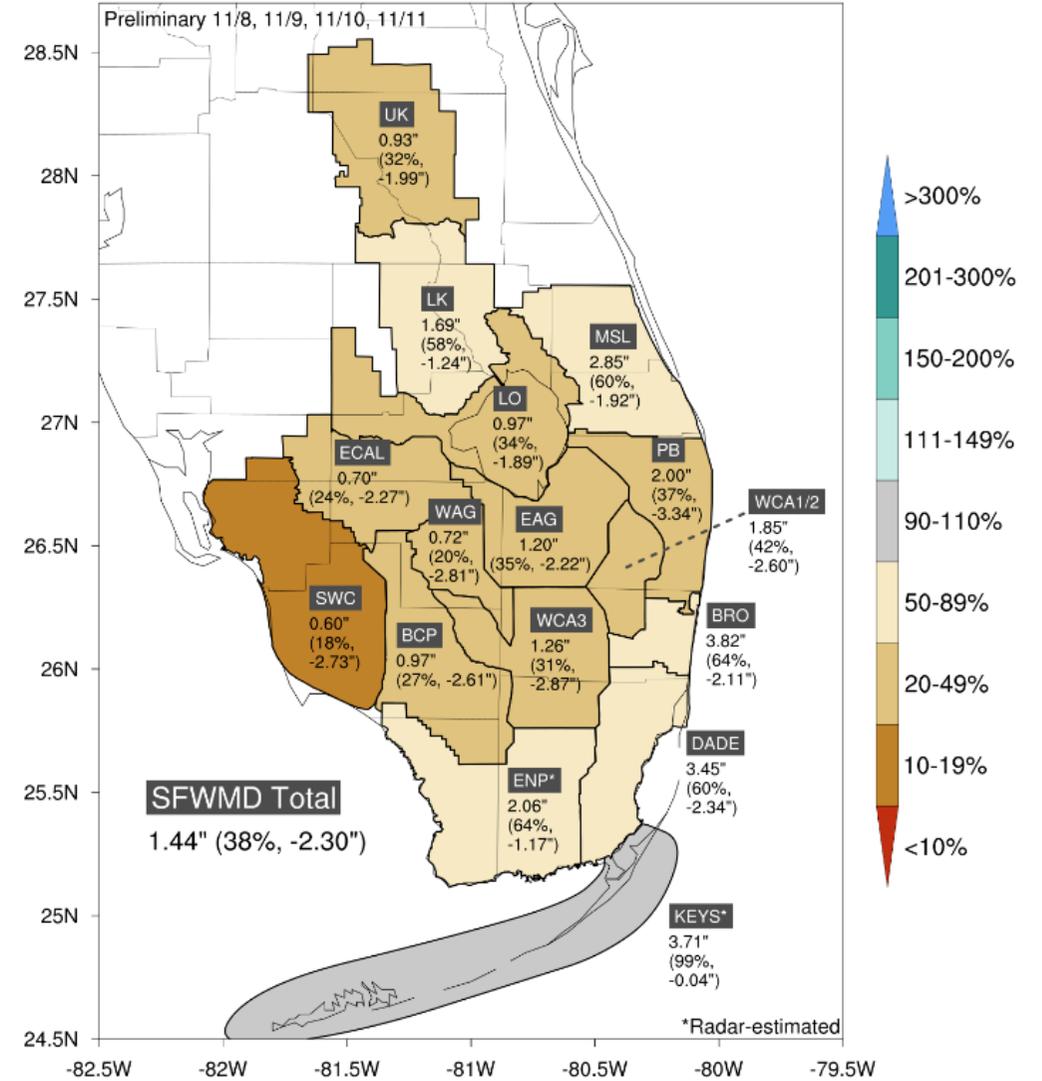
2024-2025 DRY SEASON

- Started 10/10/2024
- October is 120% of Normal
- La Nina conditions (drier) are expected to emerge during the September through November and persist through the winter.

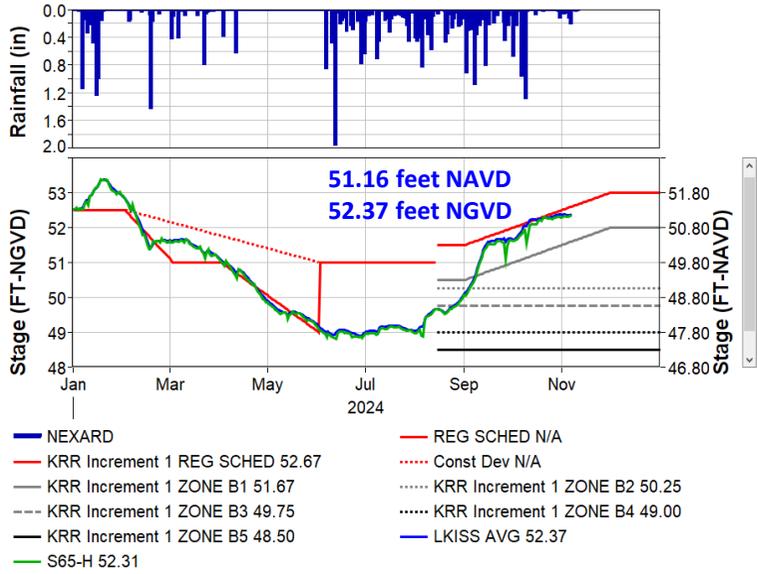
November 2024 (11/1/24 to 11/11/24)
 Rainfall, Percent of Normal, and Departures



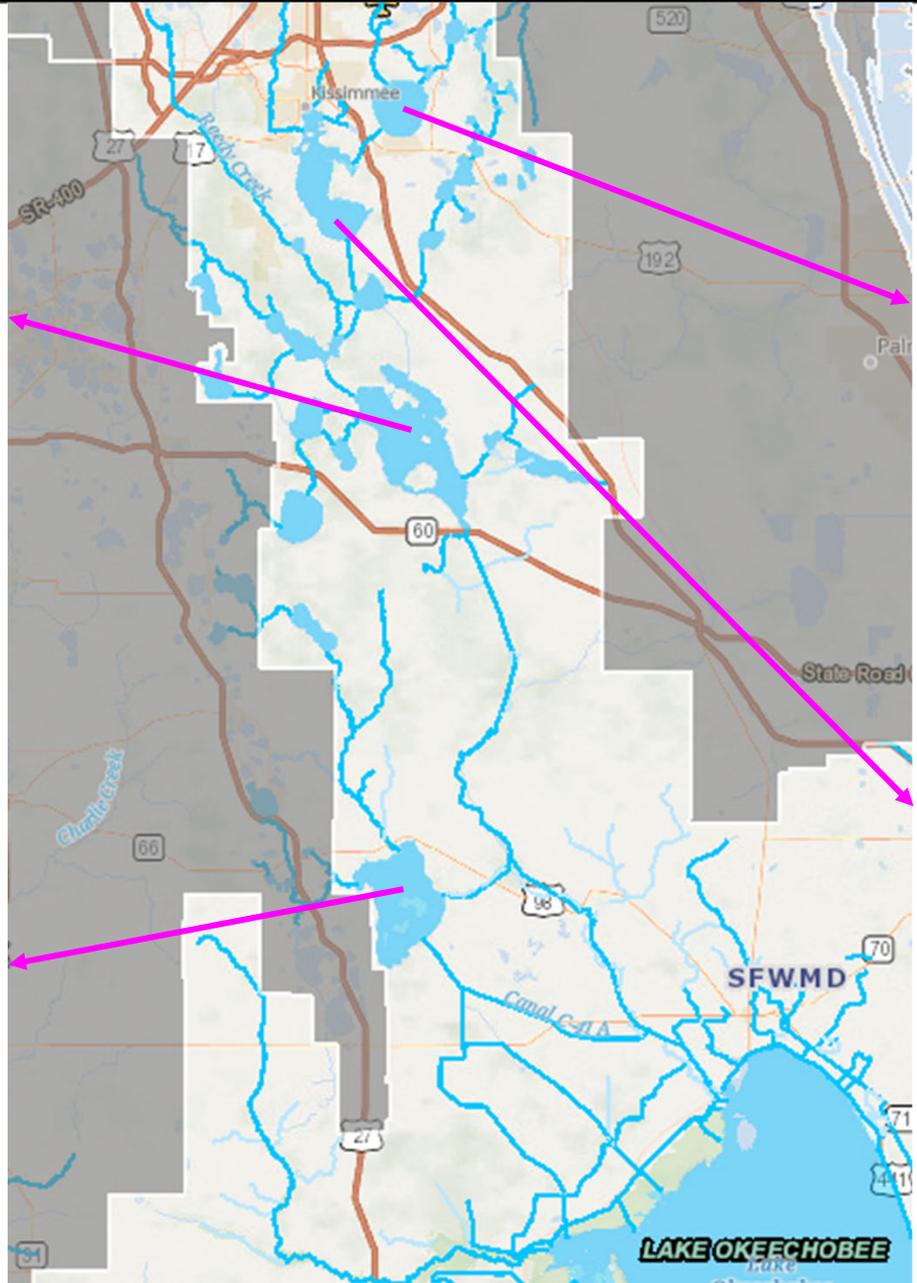
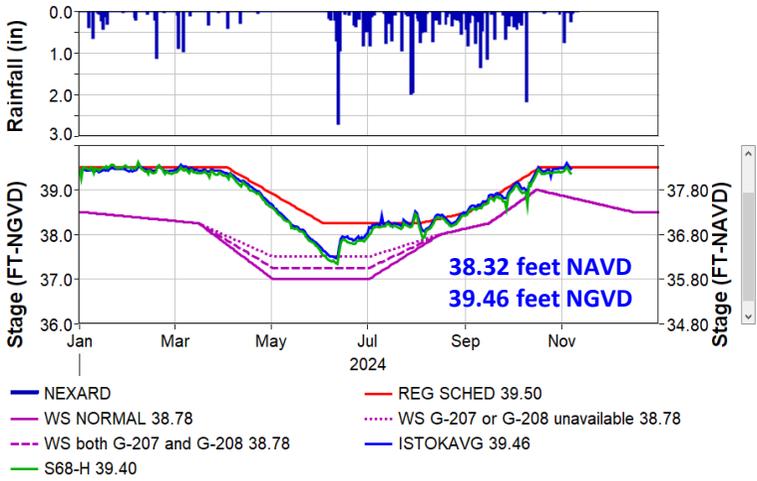
2024-2025 Dynamic Dry Season (10/10/24 to 11/11/24)
 Rainfall, Percent of Normal, and Departures



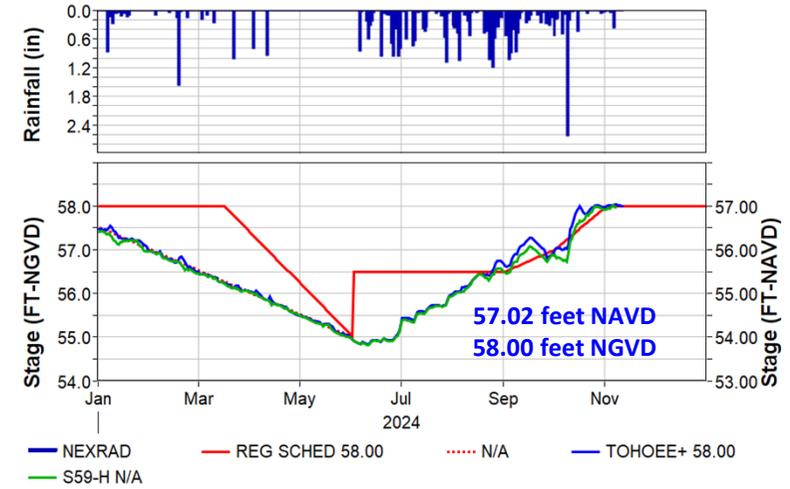
Lake Kissimmee (11 November 2024)



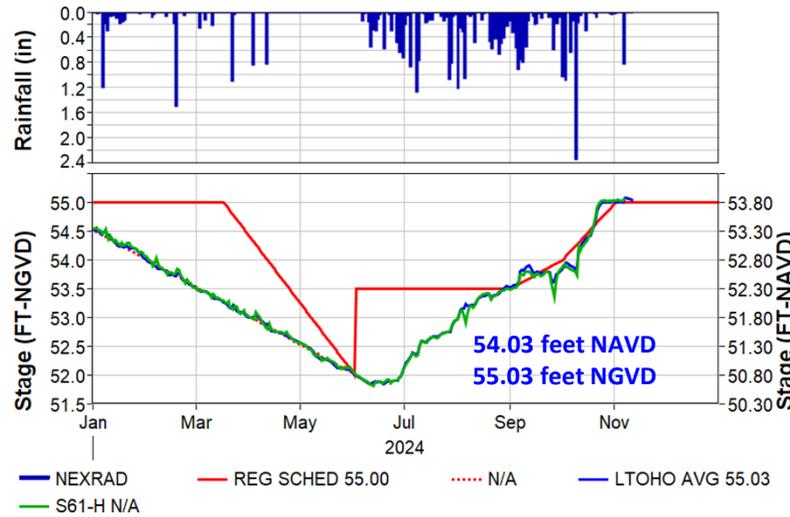
Lake Istokpoga (11 November 2024)



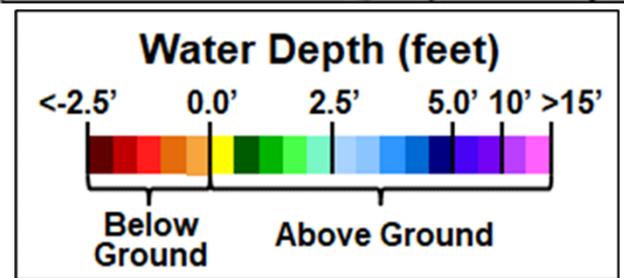
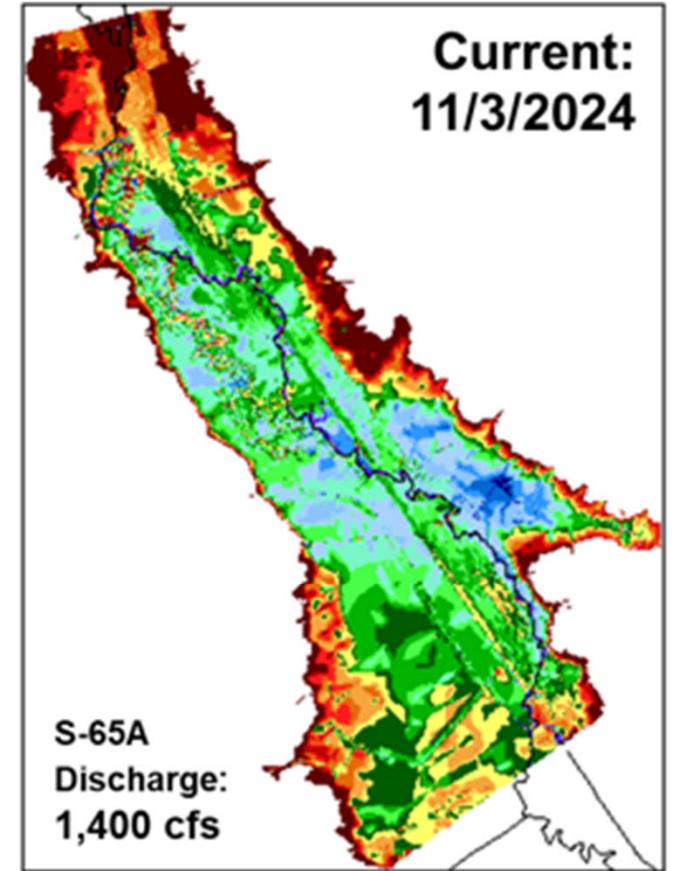
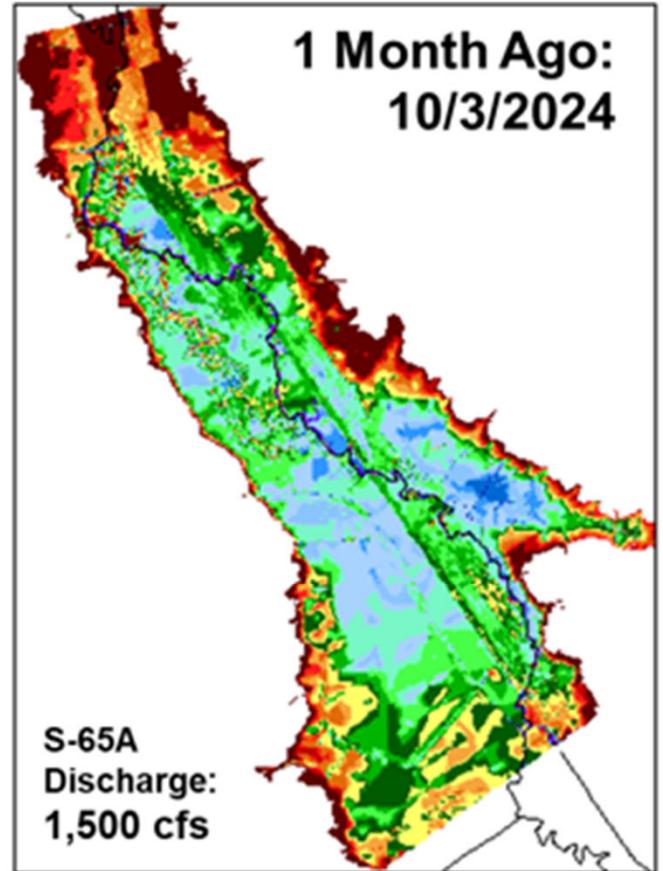
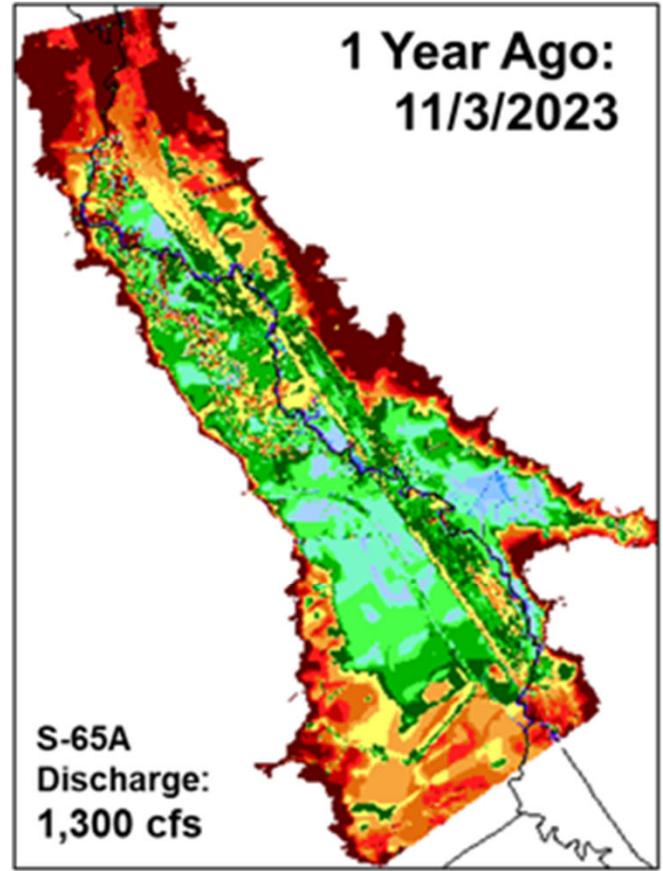
Lake East Tohopekaliga (11 November 2024)



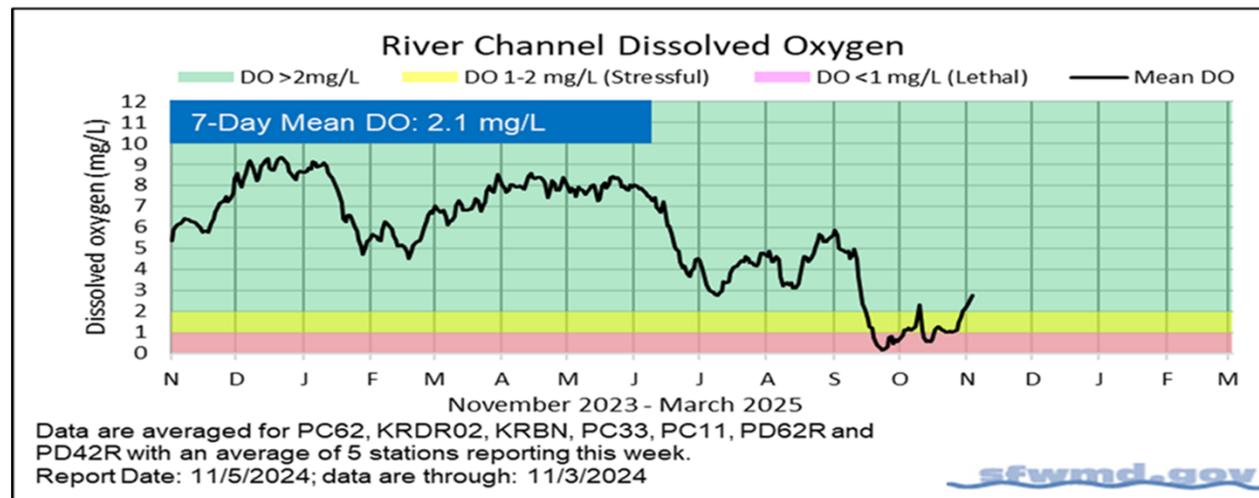
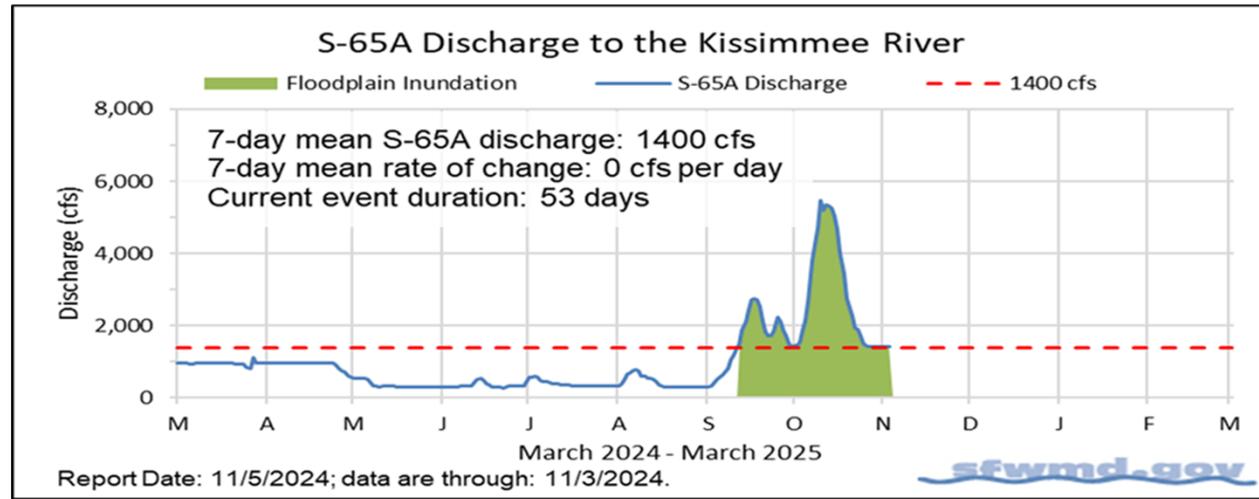
Lake Tohopekaliga (11 November 2024)



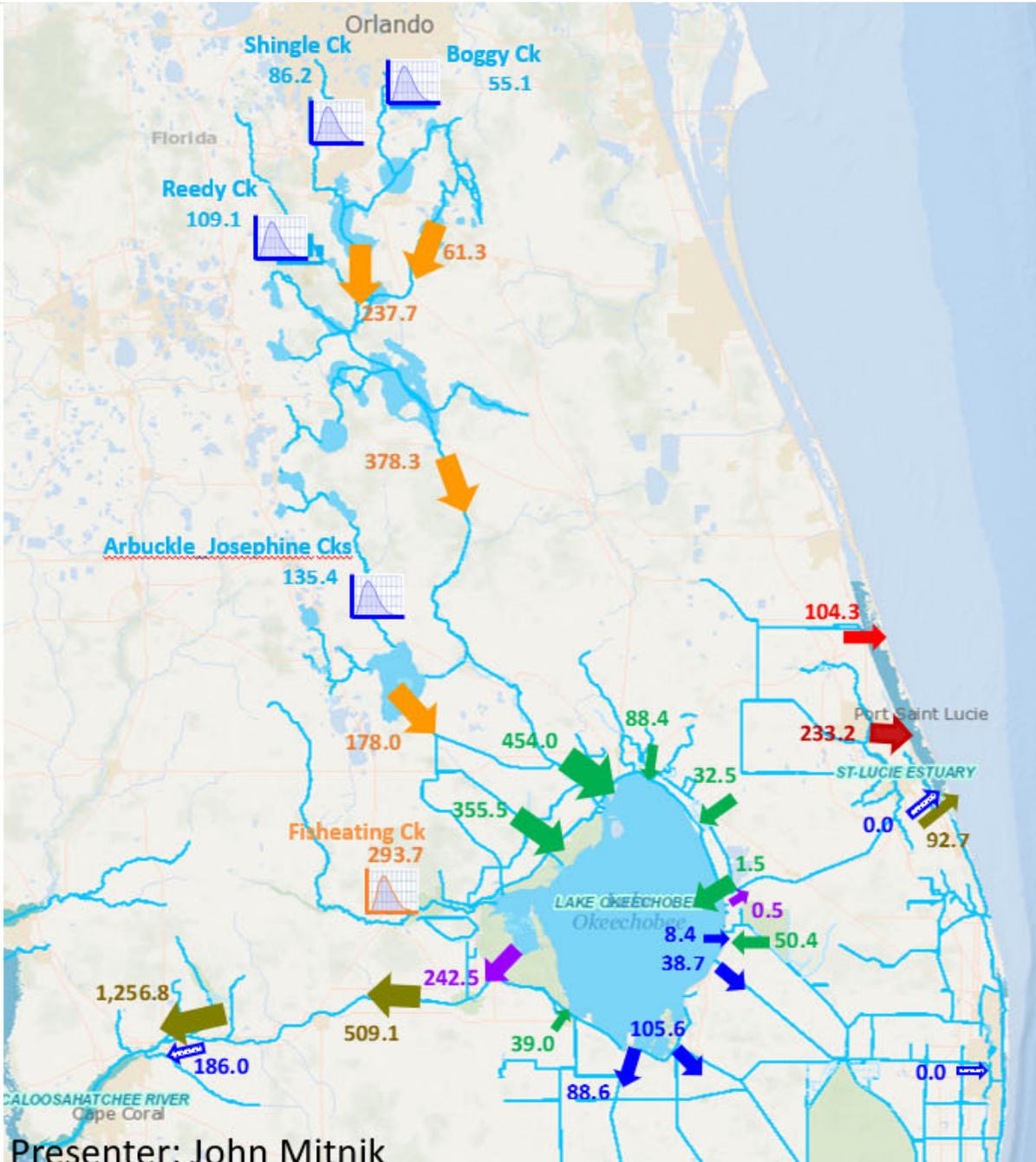
Kissimmee River Floodplain Inundation



Kissimmee River Discharge and Dissolved Oxygen



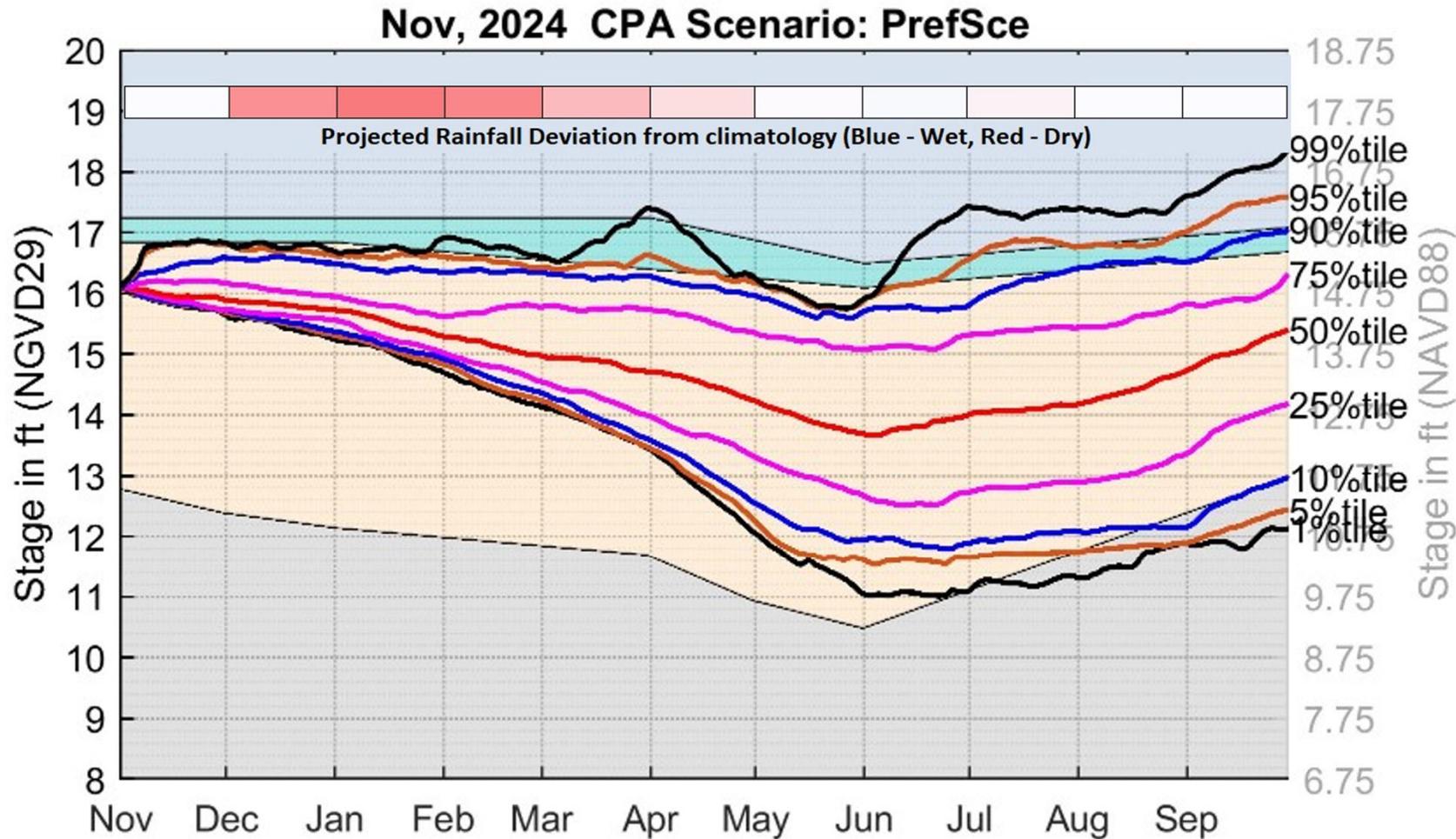
SFWMD – Selected Release Volumes for the Period May 1, 2024 to November 11, 2024
(volumes in 1,000 acre-feet)



Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2025	Last Month
	Upper Kissimmee to Lower Kissimmee	378.3	124.1
	Inflows to Lake Okeechobee (including Fisheating Creek)	1,314.9	311.8
	Lake Releases and Basin Runoff	1,349.5	135.7
	Lake Releases East and West	243.0	45.8
	Lake Flood Control to Estuaries	186.0	33.3
	Total Lake Releases South	241.4	17.3
	Releases to Indian River Lagoon	104.3	18.2
	Upper East Coast discharges to St. Lucie Estuary	233.2	27.3
	Uncontrolled flows - Creeks (does not include Fisheating Creek)	385.8	126.3

1,000 acre-feet = 325.9 Million Gallons

Conditional Position Analysis (CPA) LOK



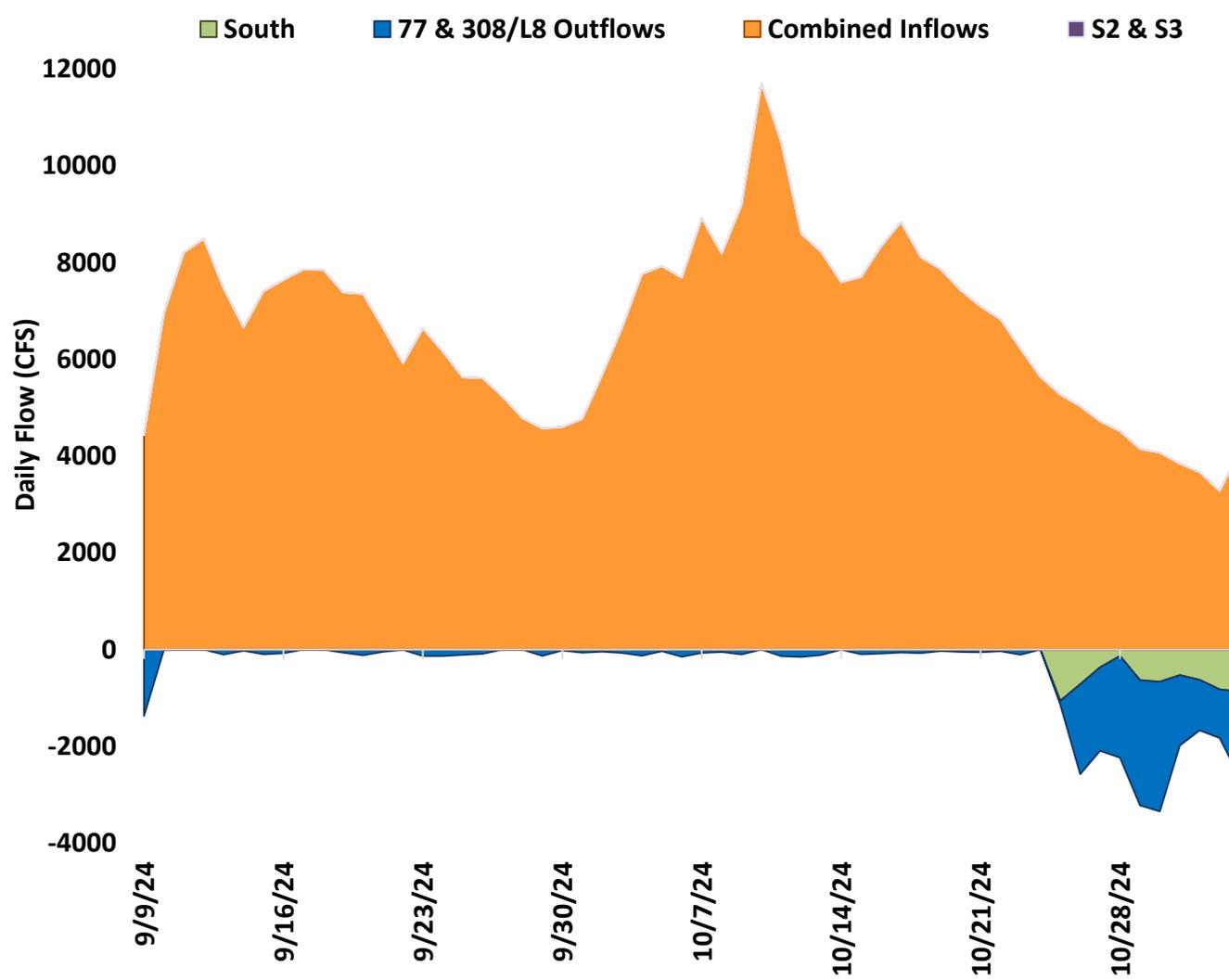
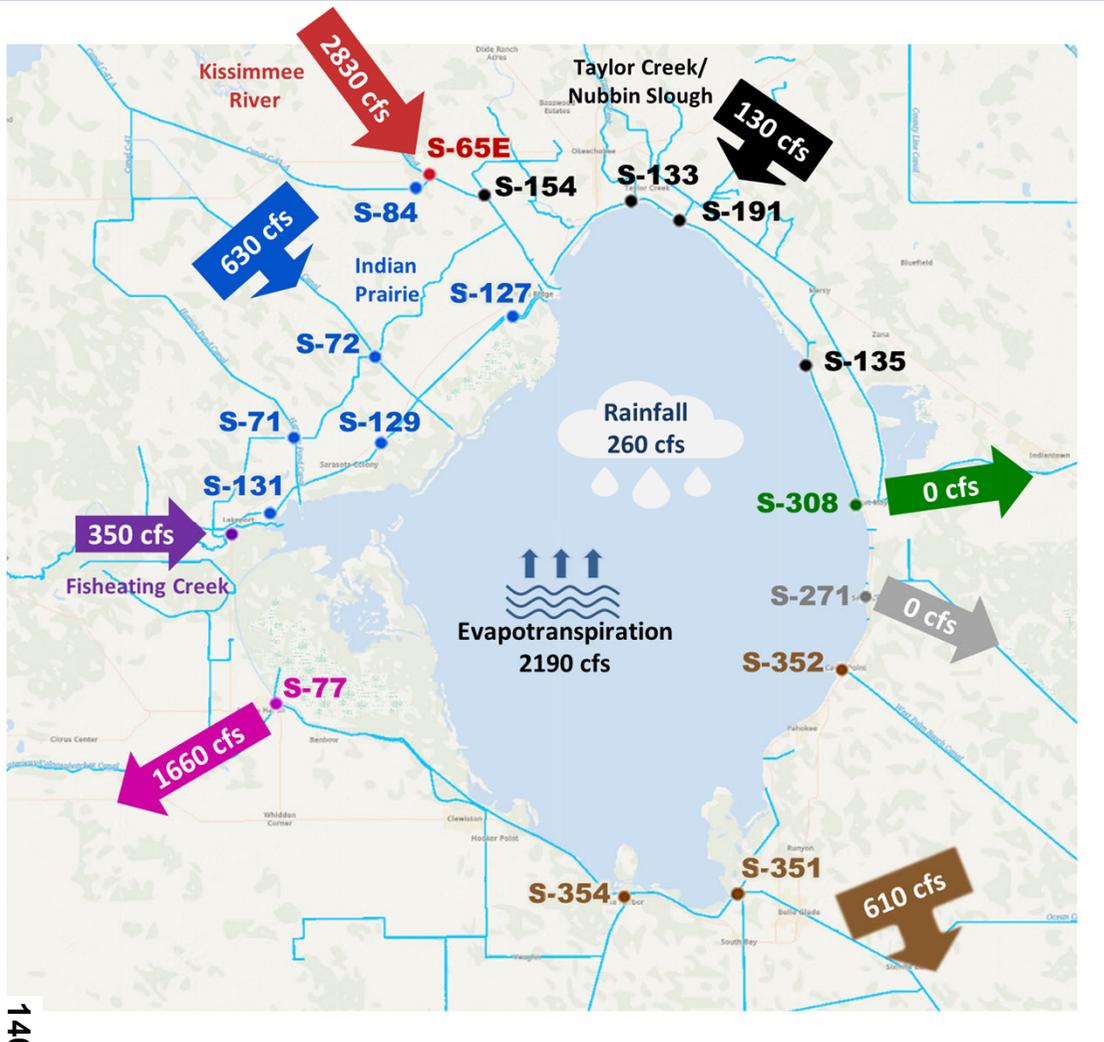
- Conditional Position Analysis (CPA) improves DPA predicted stages by taking into account the anticipated rainfall conditions.
- Conditional Position Analysis (CPA) is a stochastic technique that utilizes robust and well-established approaches, such as Monte Carlo simulation and NonLinear Programming,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

Lake Okeechobee Hydrology

(*Provisional Data)

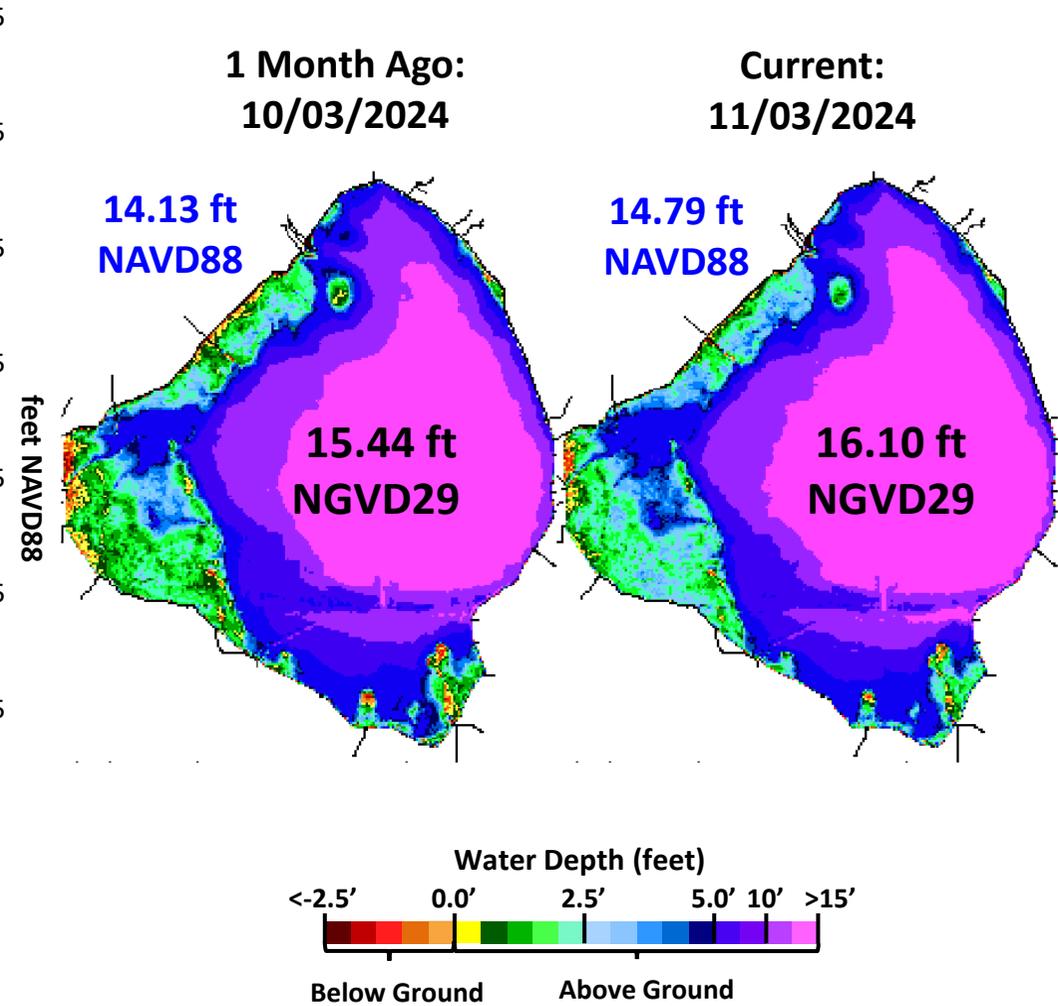
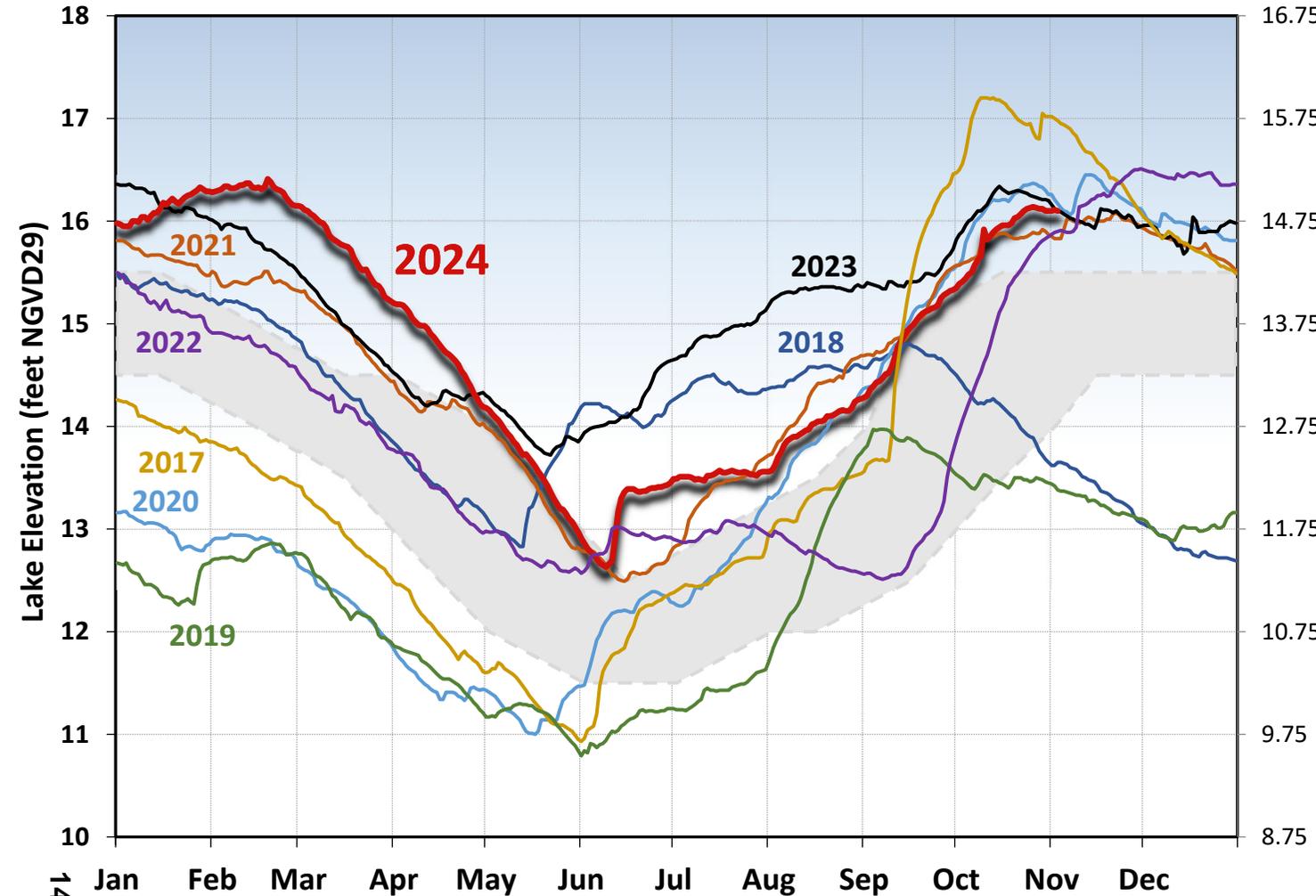
Oct 28 – Nov 03, 2024 Inflows and Outflows

Prior 8 Weeks Inflows and Outflows



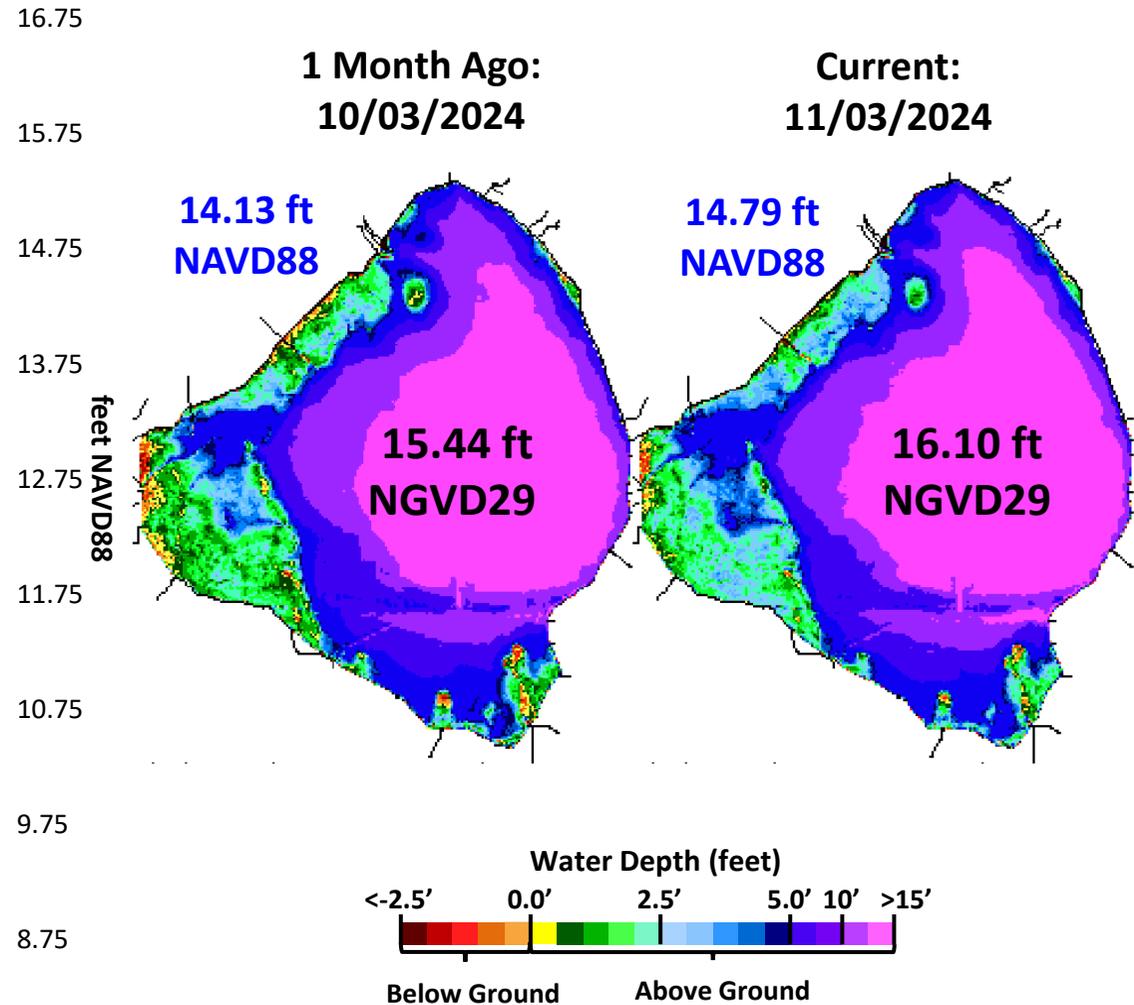
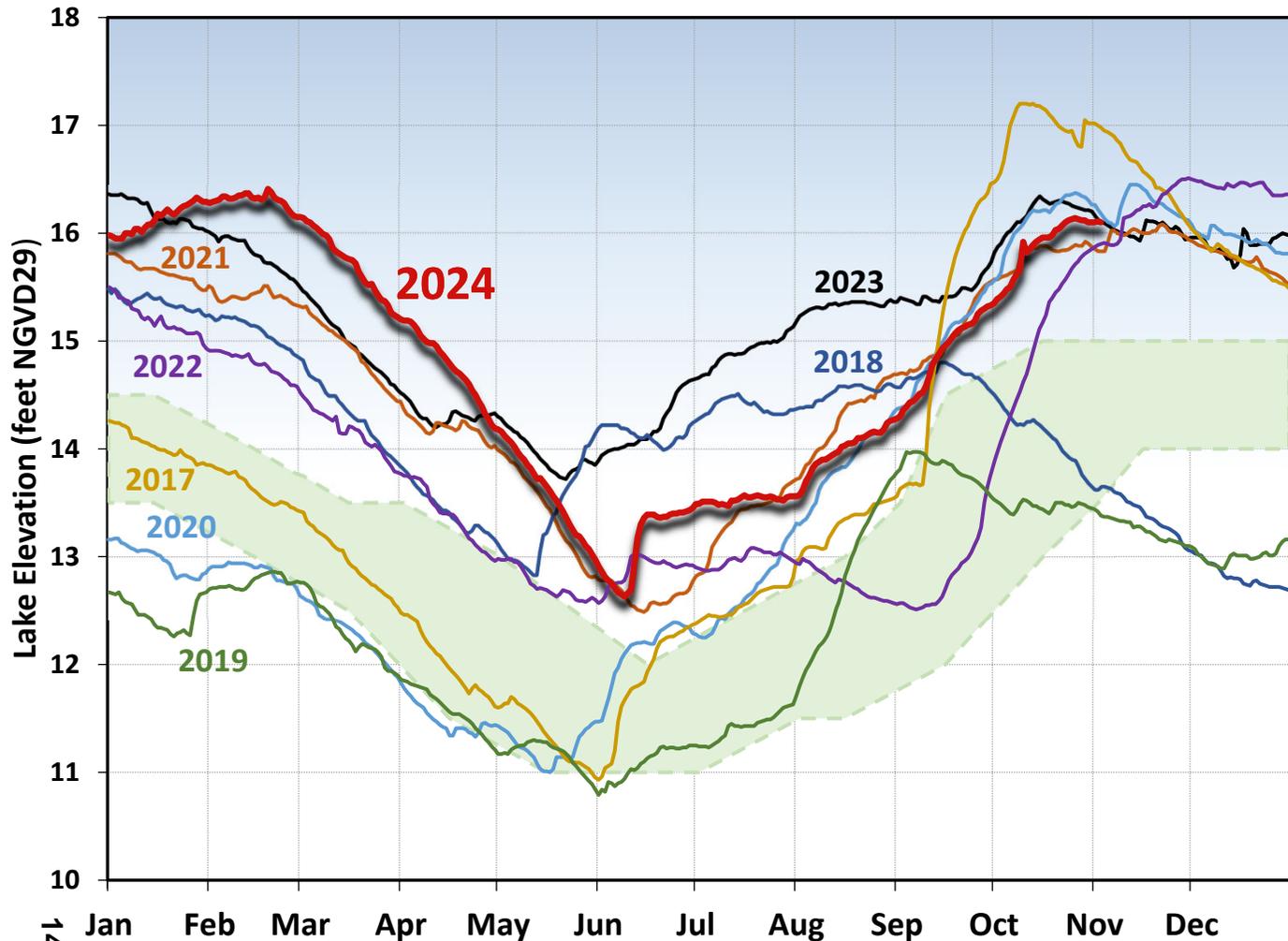
Ecological Envelope and Water Depths

Lake Okeechobee Stage vs Ecological Envelope



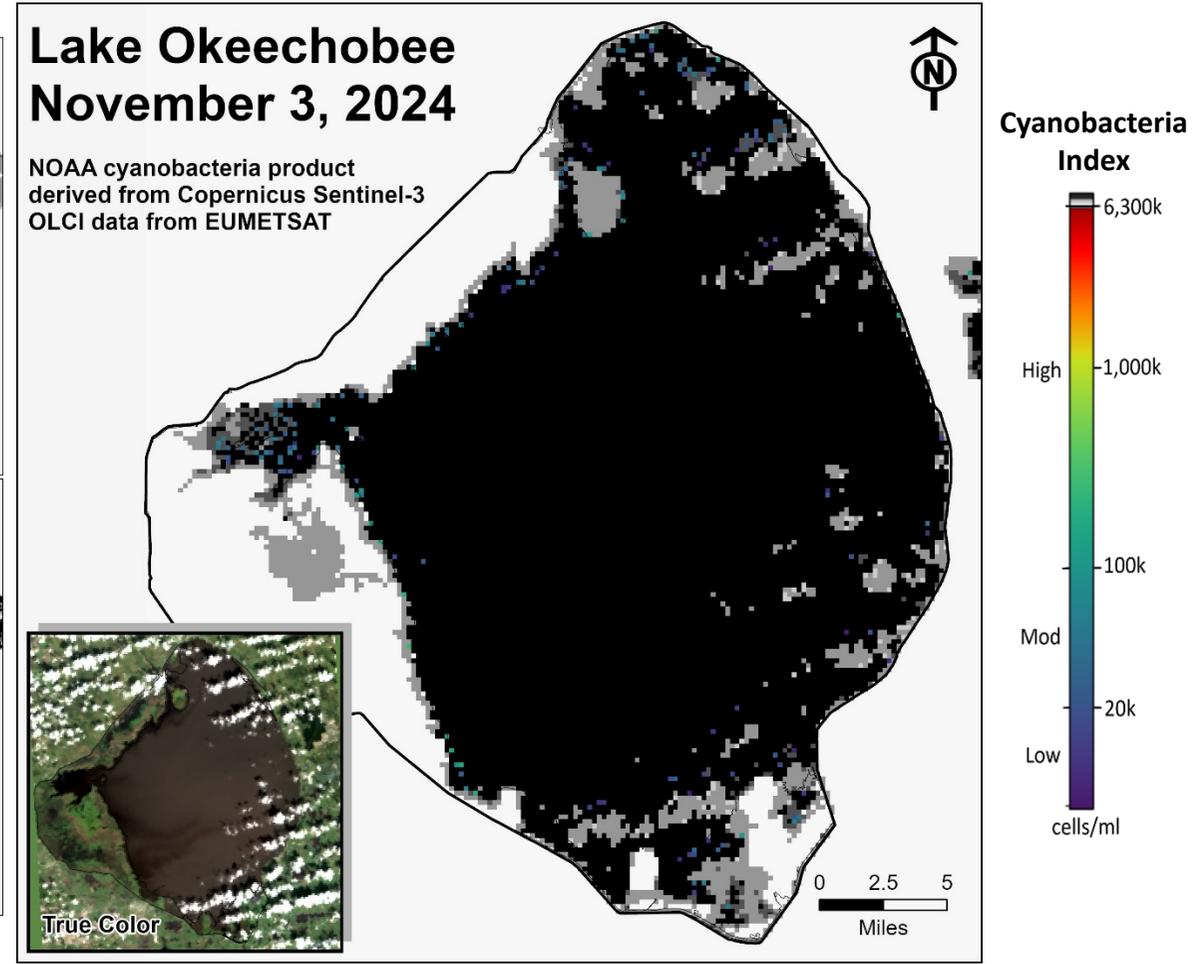
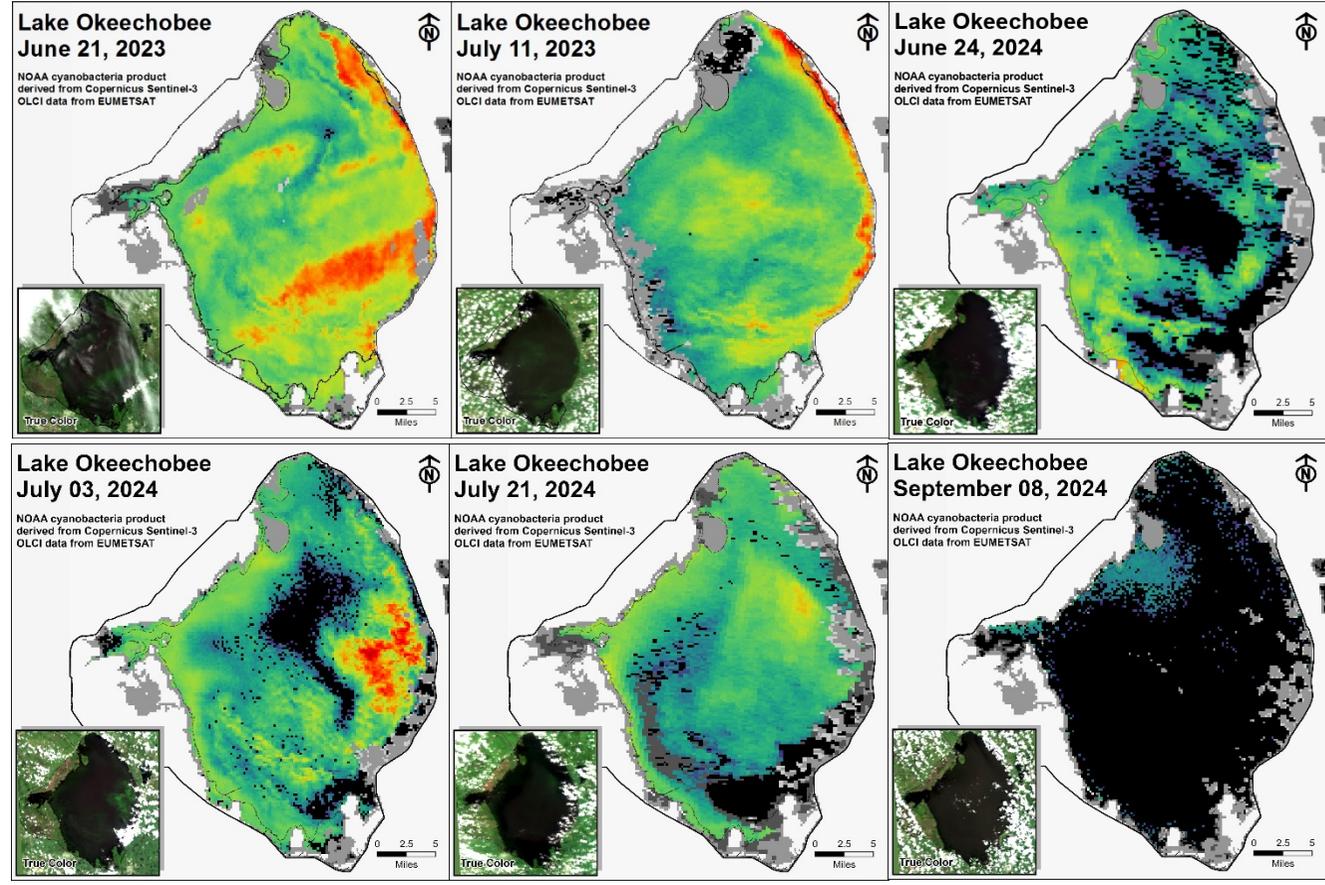
Ecological Envelope and Water Depths

Lake Okeechobee Stage vs Recovery Ecological Envelope



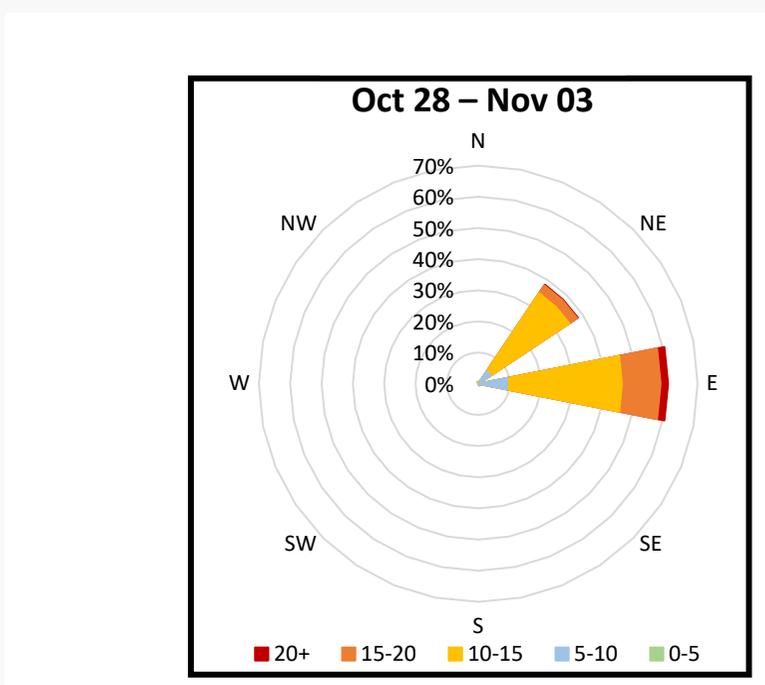
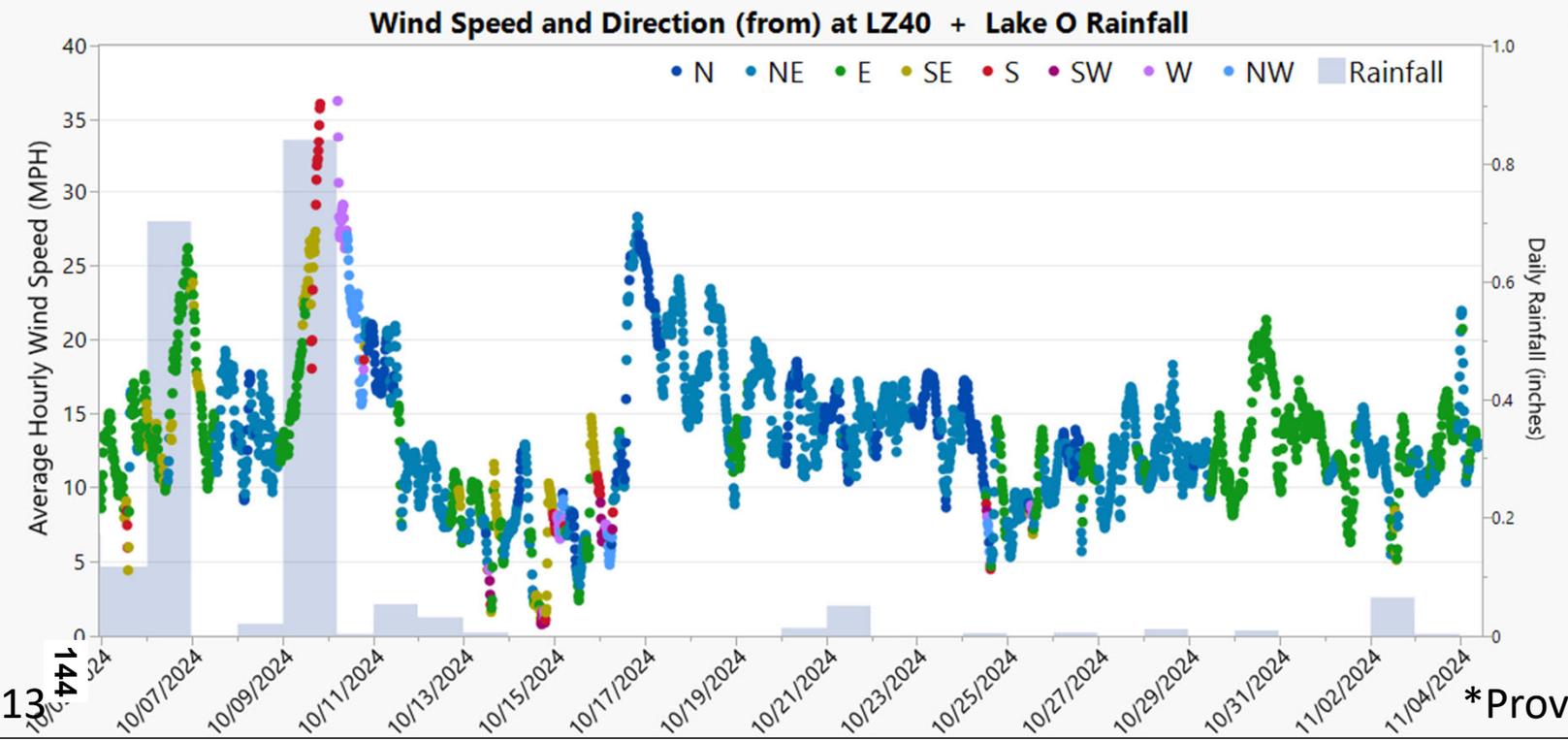
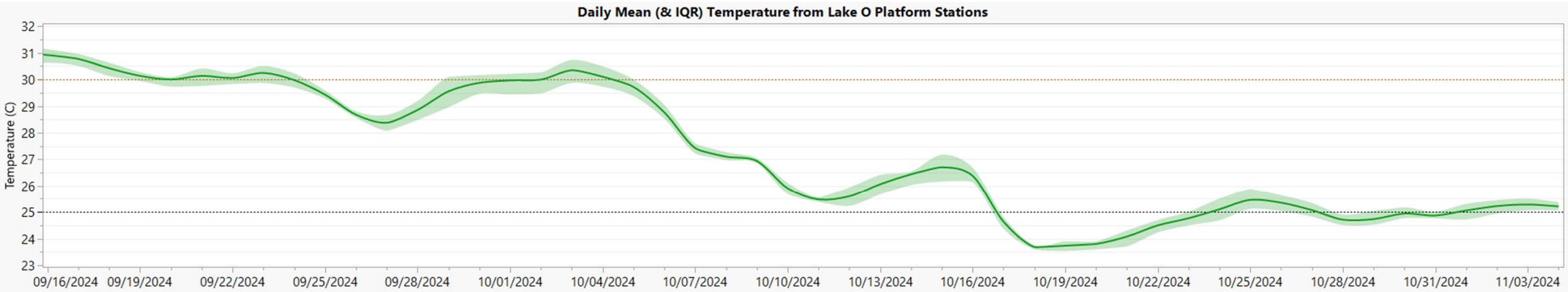
Lake Okeechobee

Cyanobacteria Bloom Distribution and Intensity



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

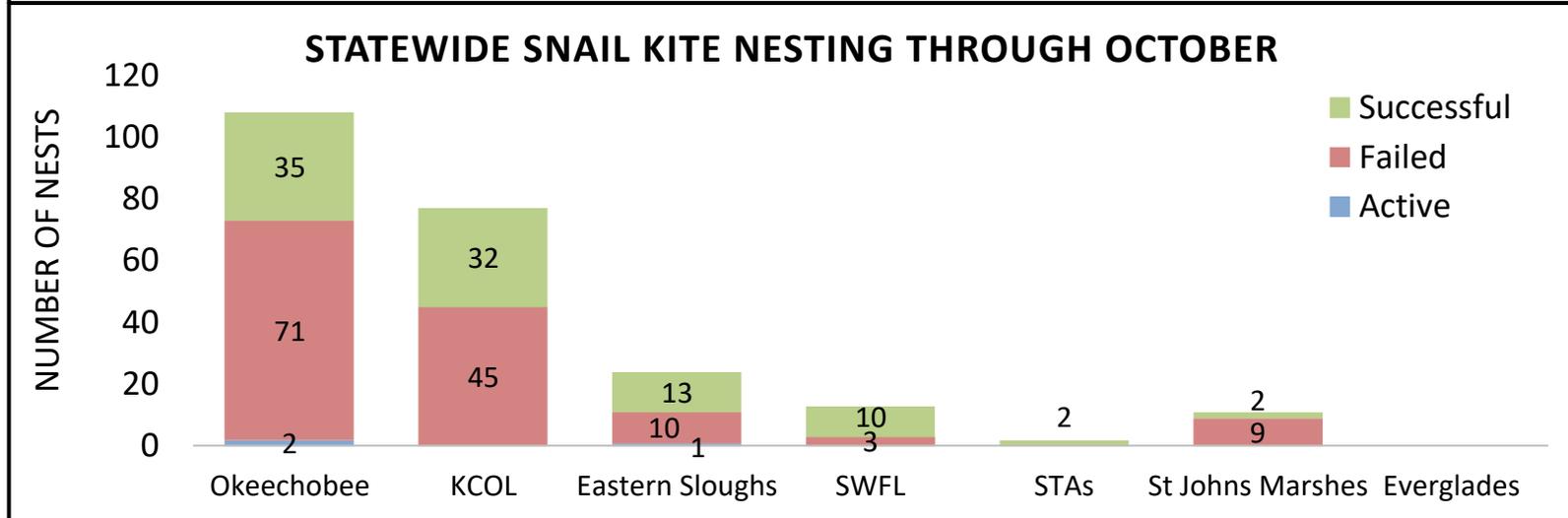
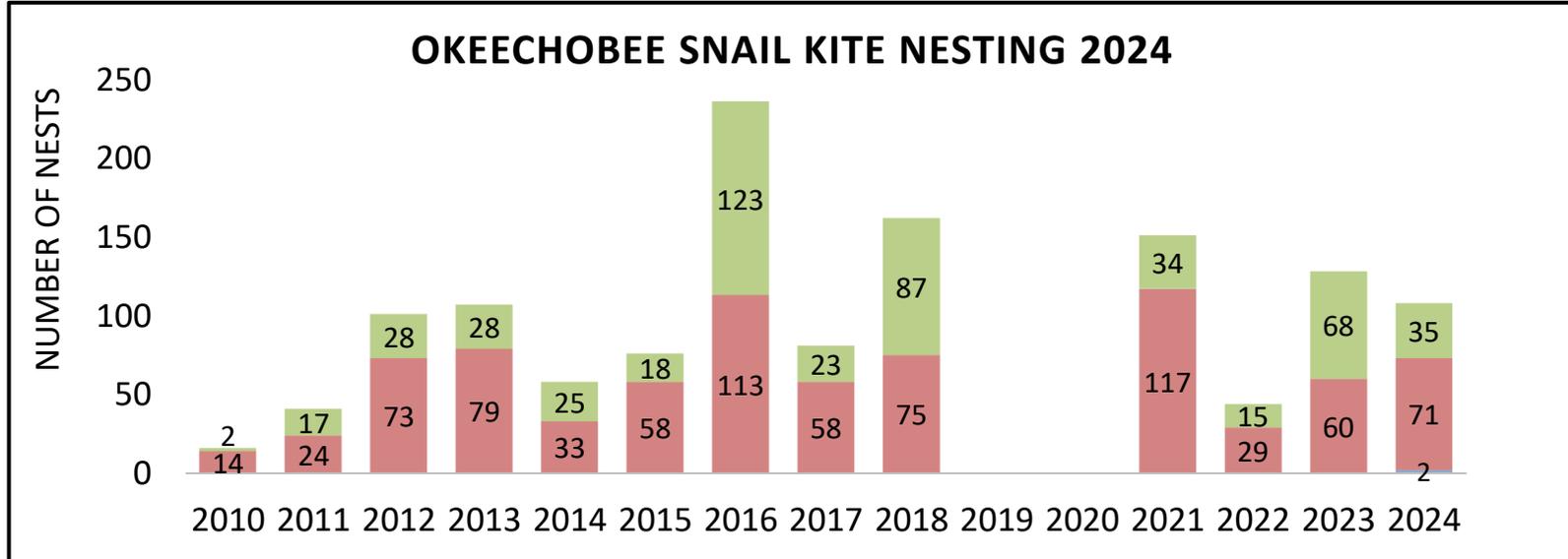
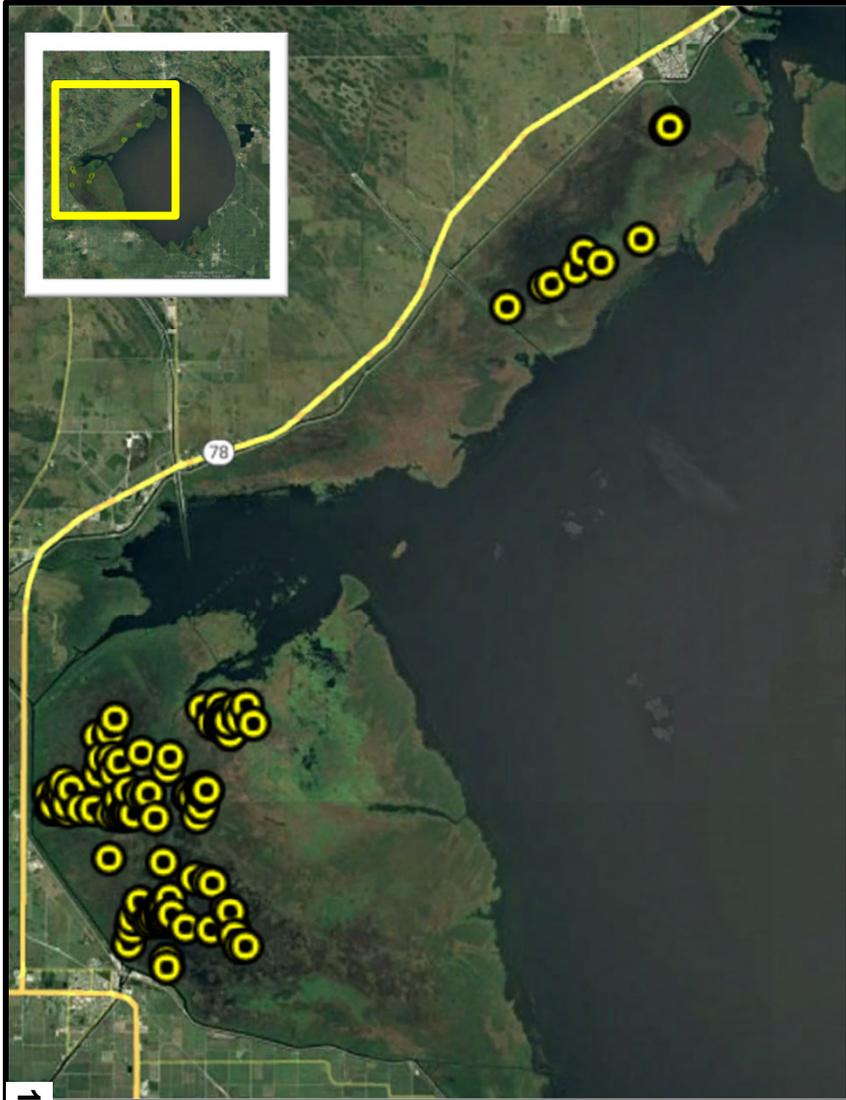
Lake Okeechobee Wind, Precipitation, and Temperature Patterns



Provisional Data

Presenter: Lawrence Glenn

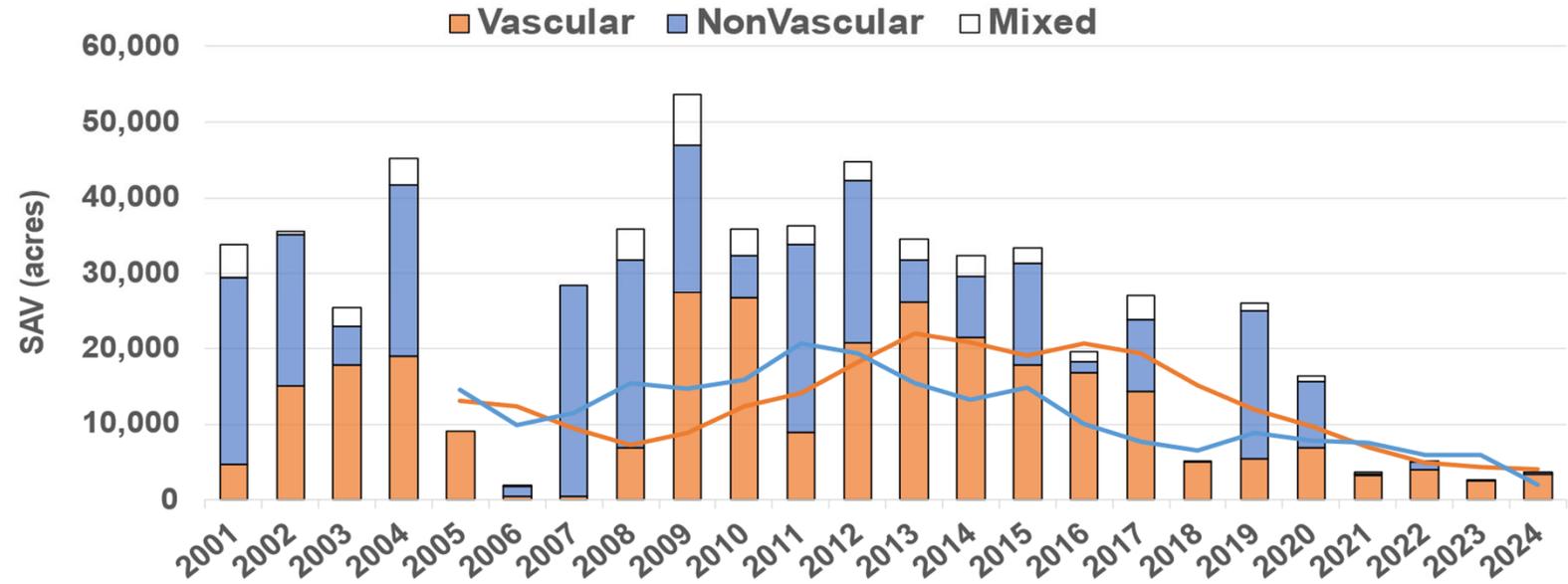
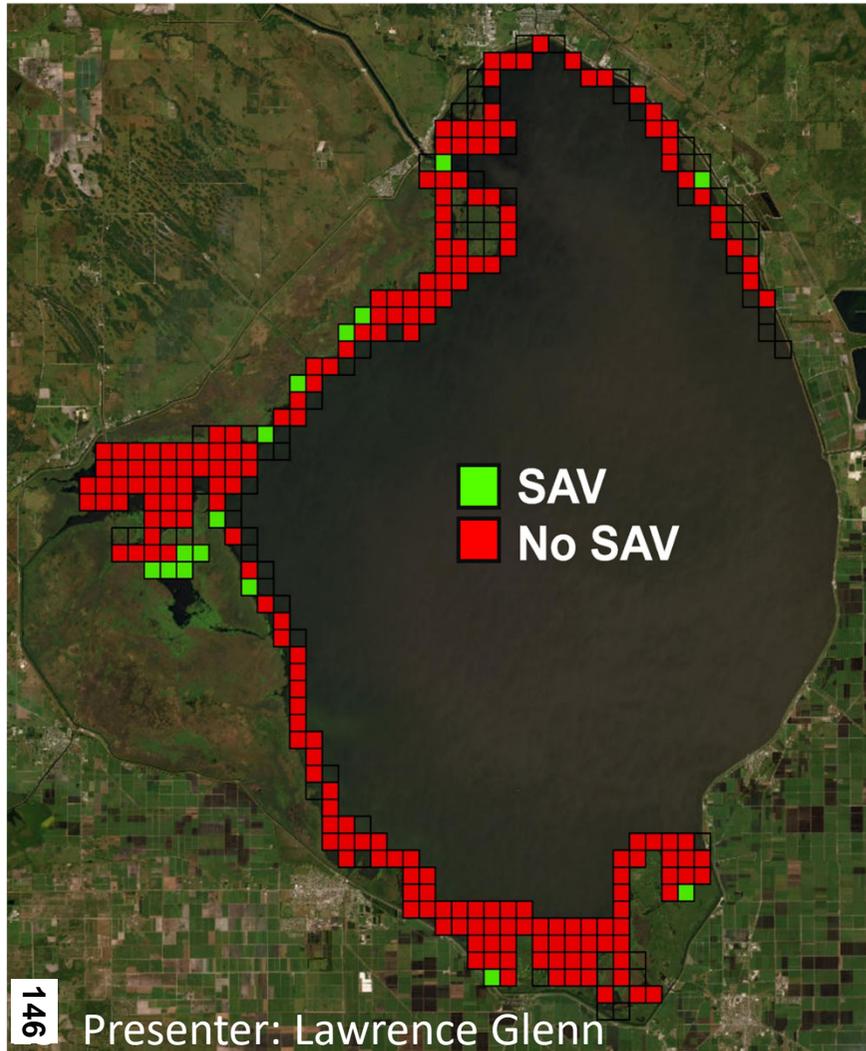
Lake Okeechobee Snail kite Nesting



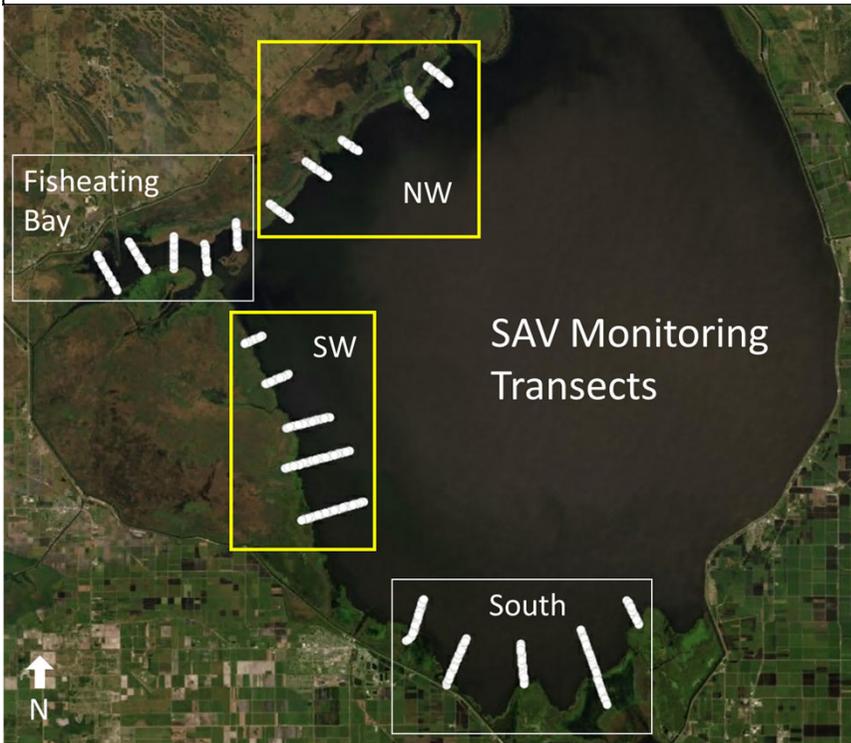
Lake Okeechobee

Submerged Aquatic Vegetation

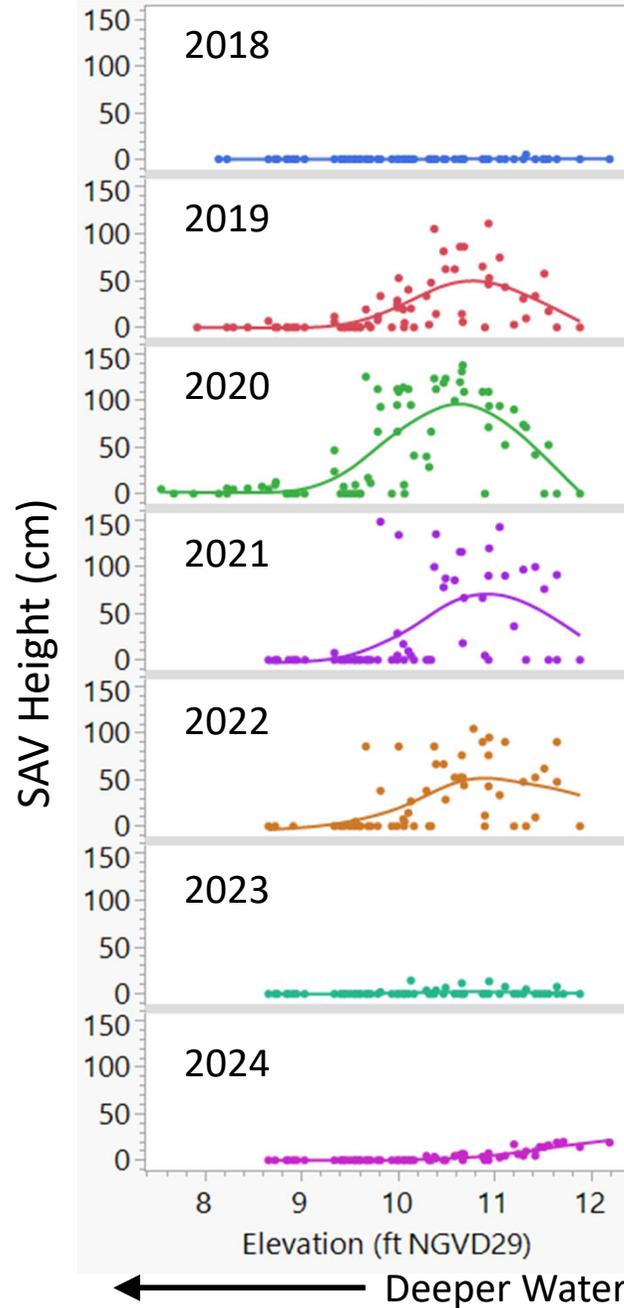
SAV Coverage 2024



Lake Okeechobee SAV



Showing SAV plant height over time in Fall samples



Hurricane Irma Effects, No SAV



Hurricane Ian Effects

Small regrowth prior to Milton



Lake O Ecosystem Health Study

Focus

- Health of plants, fish & wildlife and potential mgmt. actions
- Resilience of SAV
- Stakeholder experiences
- Characterize turbidity, assess potential for future projects

Not Focus

- Water levels (LOSOM)
- Water quality (NEEPP, TMDL)
- Algal blooms

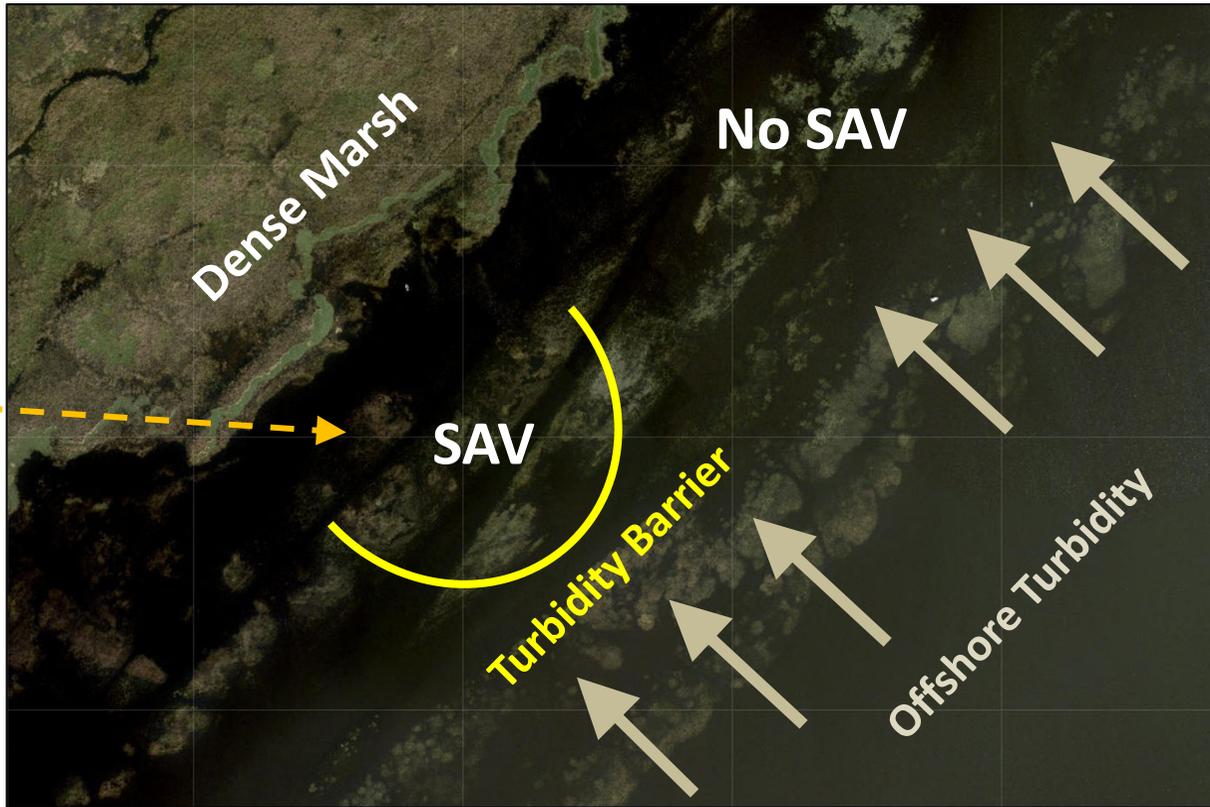
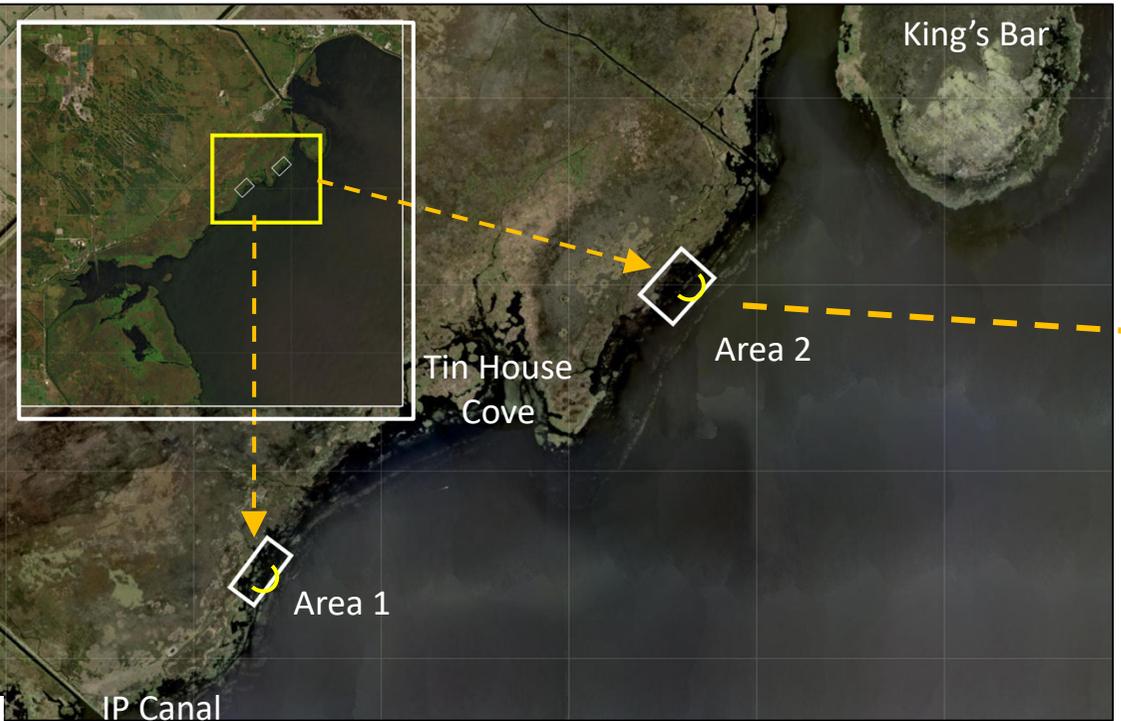
Study participants

- Florida Gulf Coast University
 - Lead & studying turbidity
- Florida Atlantic University
 - Studying turbidity
- Florida State University
 - Collect stakeholder input
- University of South Florida
 - Review studies, expert insights

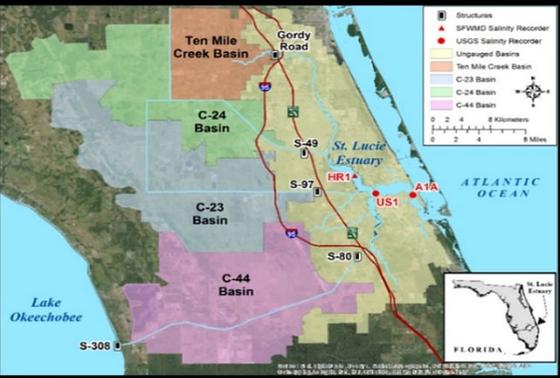
Timeline – Jan 1, 2025

Turbidity Curtain Project on Lake O

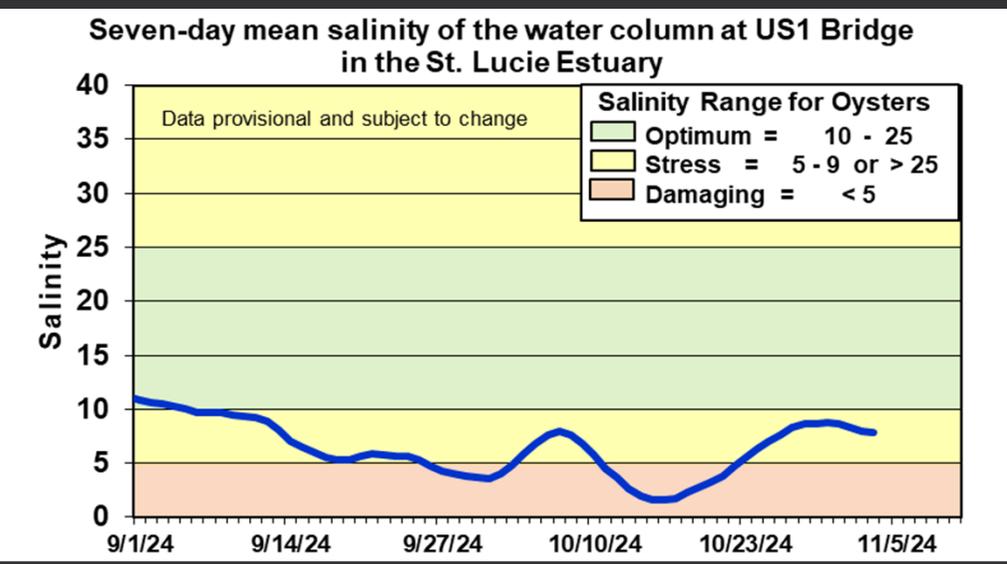
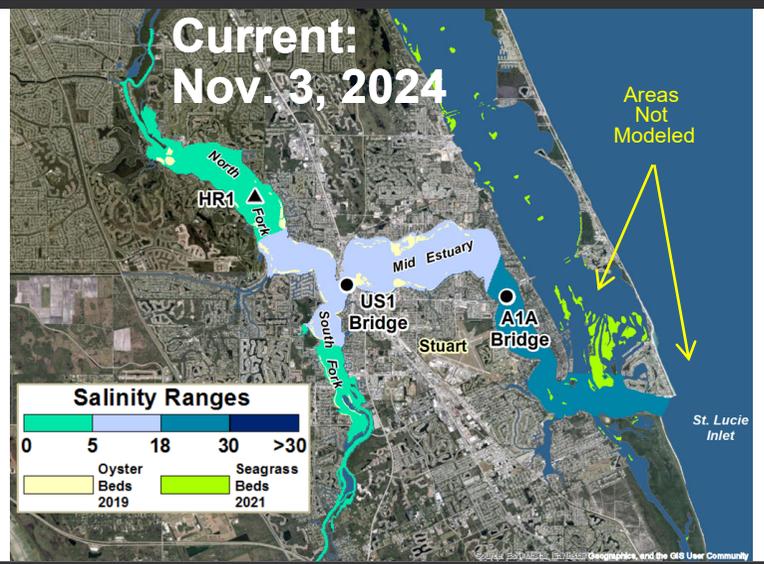
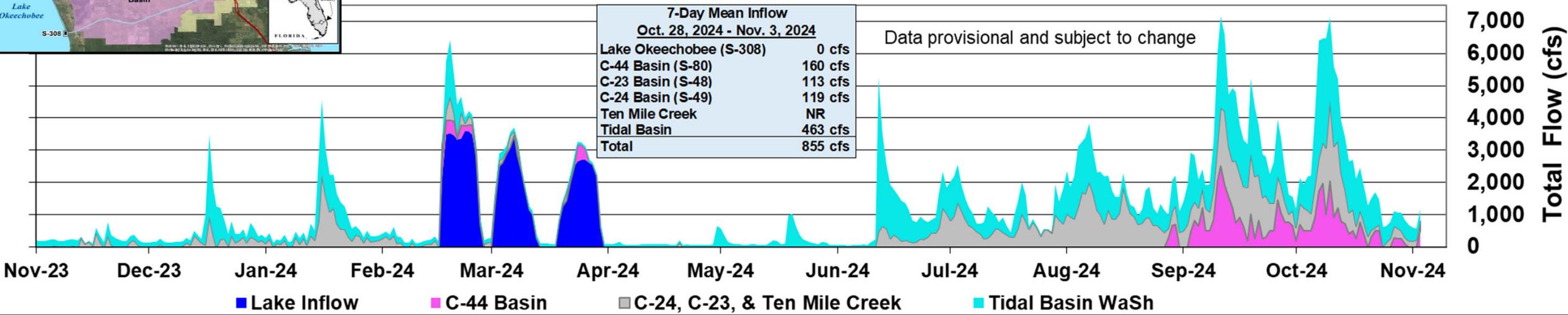
- Temporary turbidity curtain installations
 - Assessing feasibility, effects on turbidity & SAV under normal conditions.
 - Monitoring light conditions, WQ, SAV
 - Up to one year deployment at 2 locations



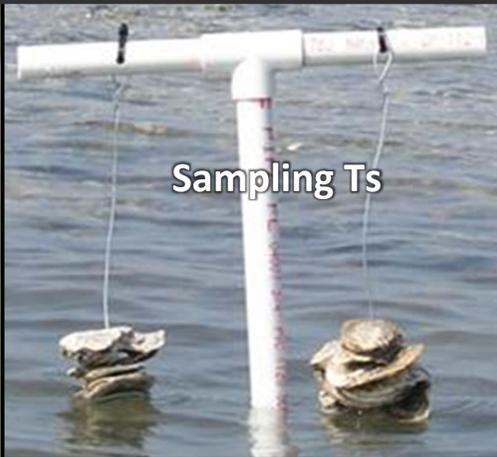
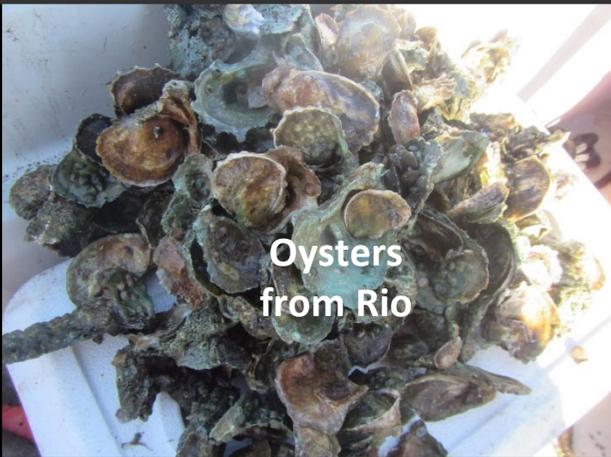
St. Lucie Inflows and Salinity Conditions



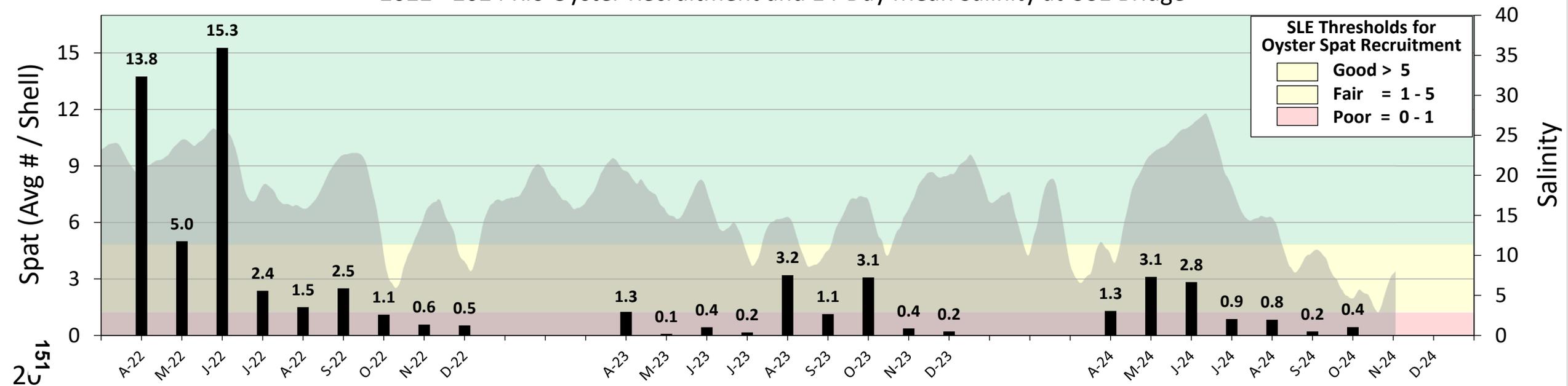
Total Daily Inflow into the St. Lucie Estuary



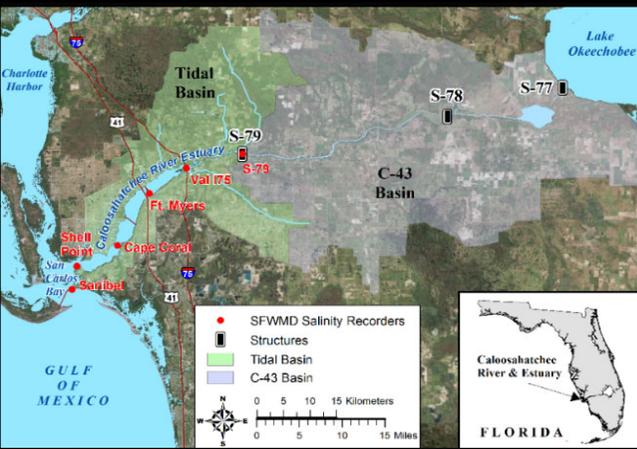
St. Lucie Estuary – Oyster Recruitment



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



Caloosahatchee Inflows and Salinity Conditions

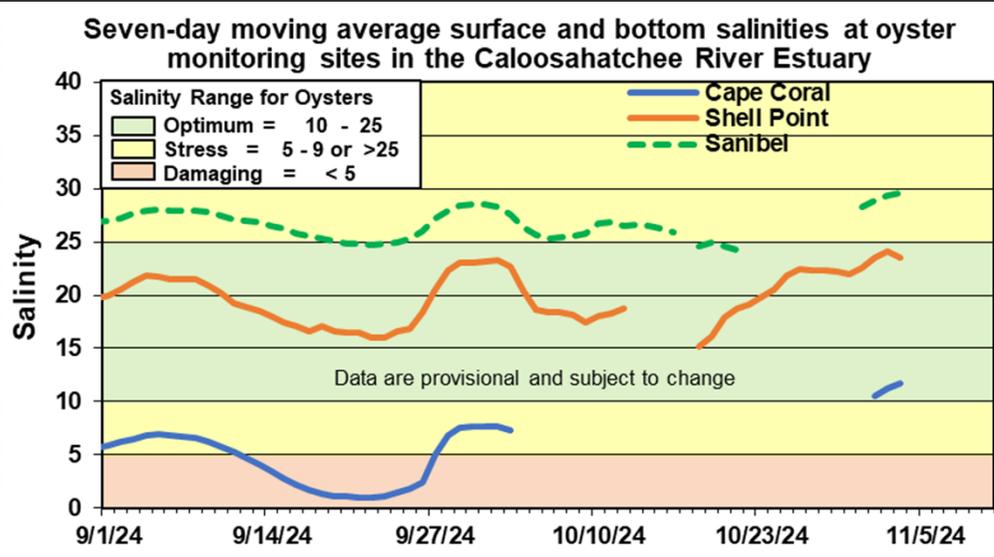
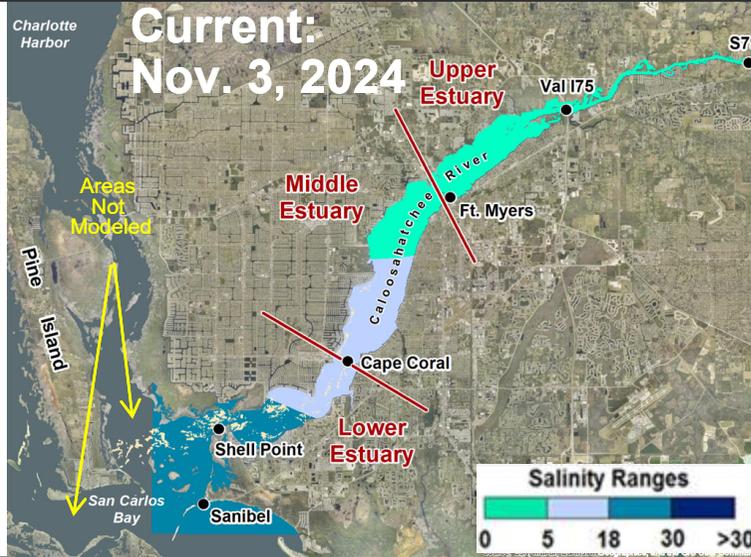
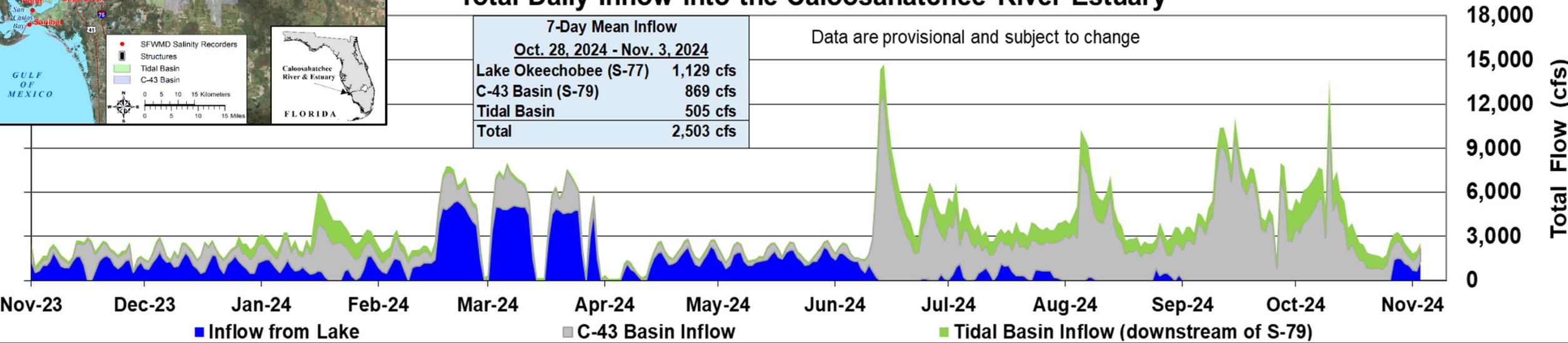


Total Daily Inflow into the Caloosahatchee River Estuary

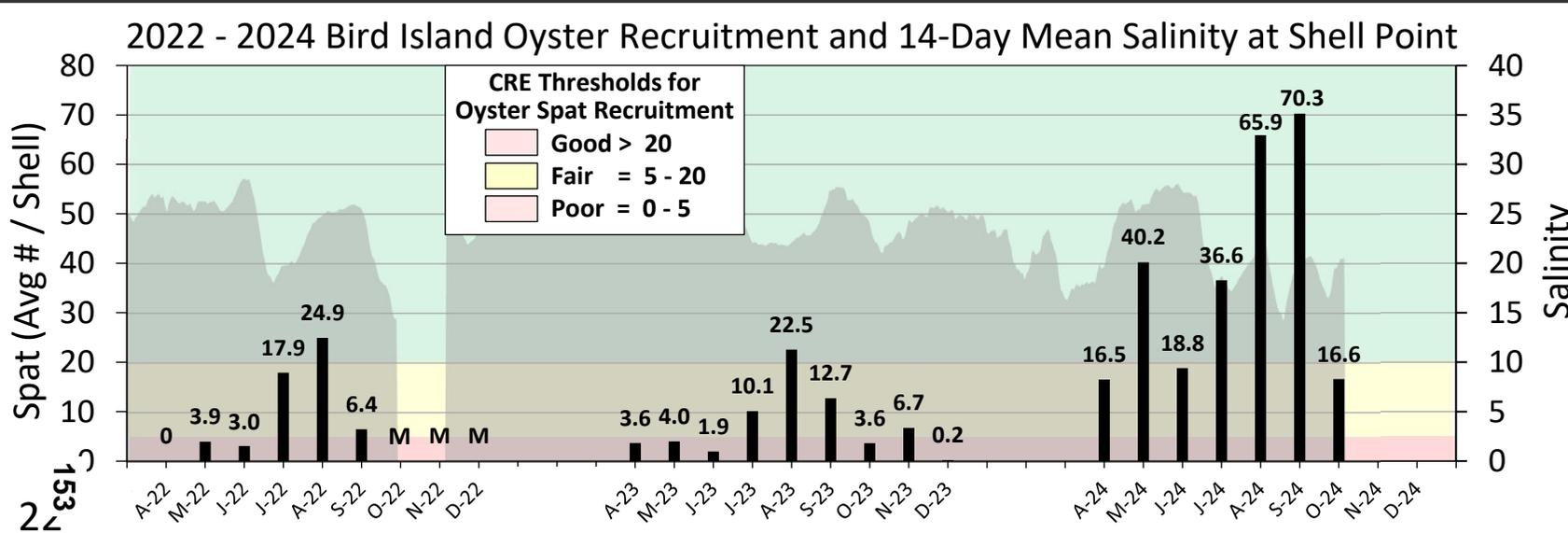
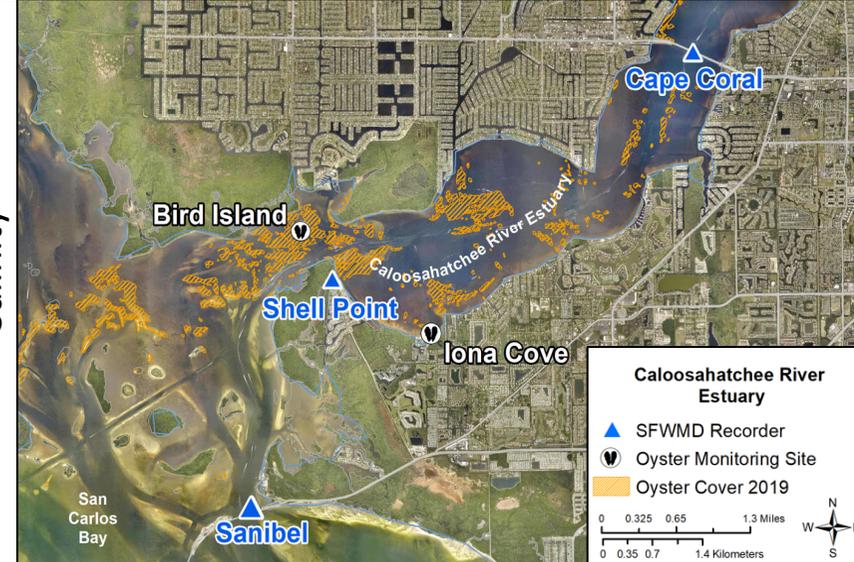
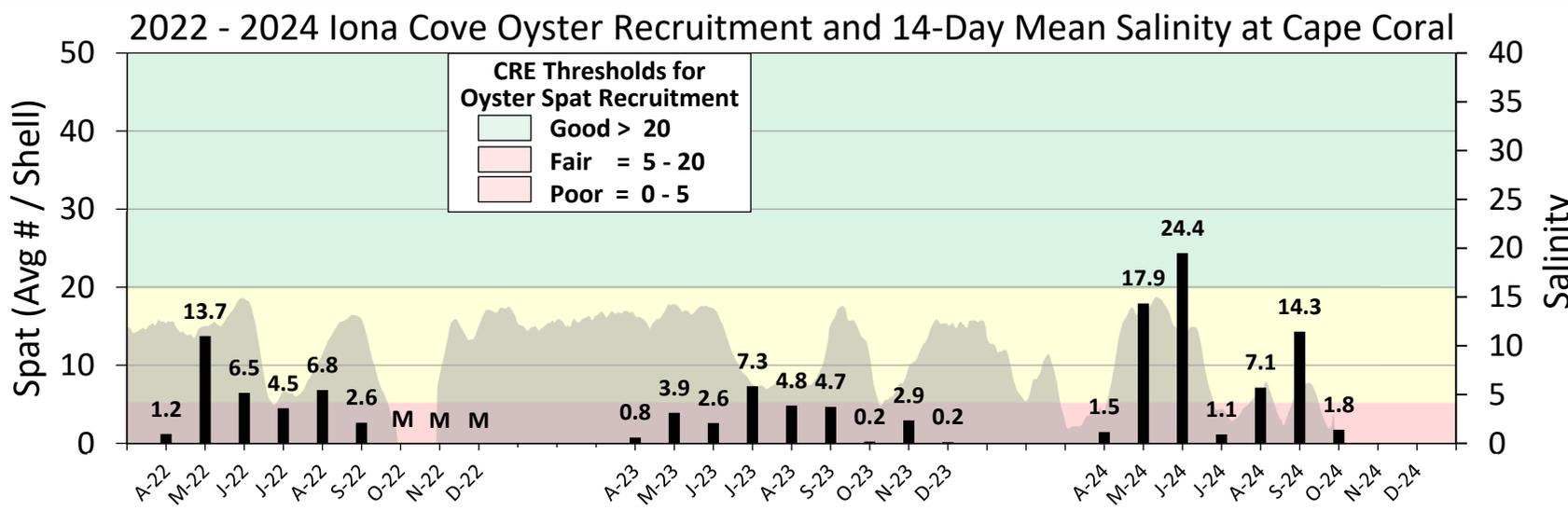
7-Day Mean Inflow
Oct. 28, 2024 - Nov. 3, 2024

Lake Okeechobee (S-77)	1,129 cfs
C-43 Basin (S-79)	869 cfs
Tidal Basin	505 cfs
Total	2,503 cfs

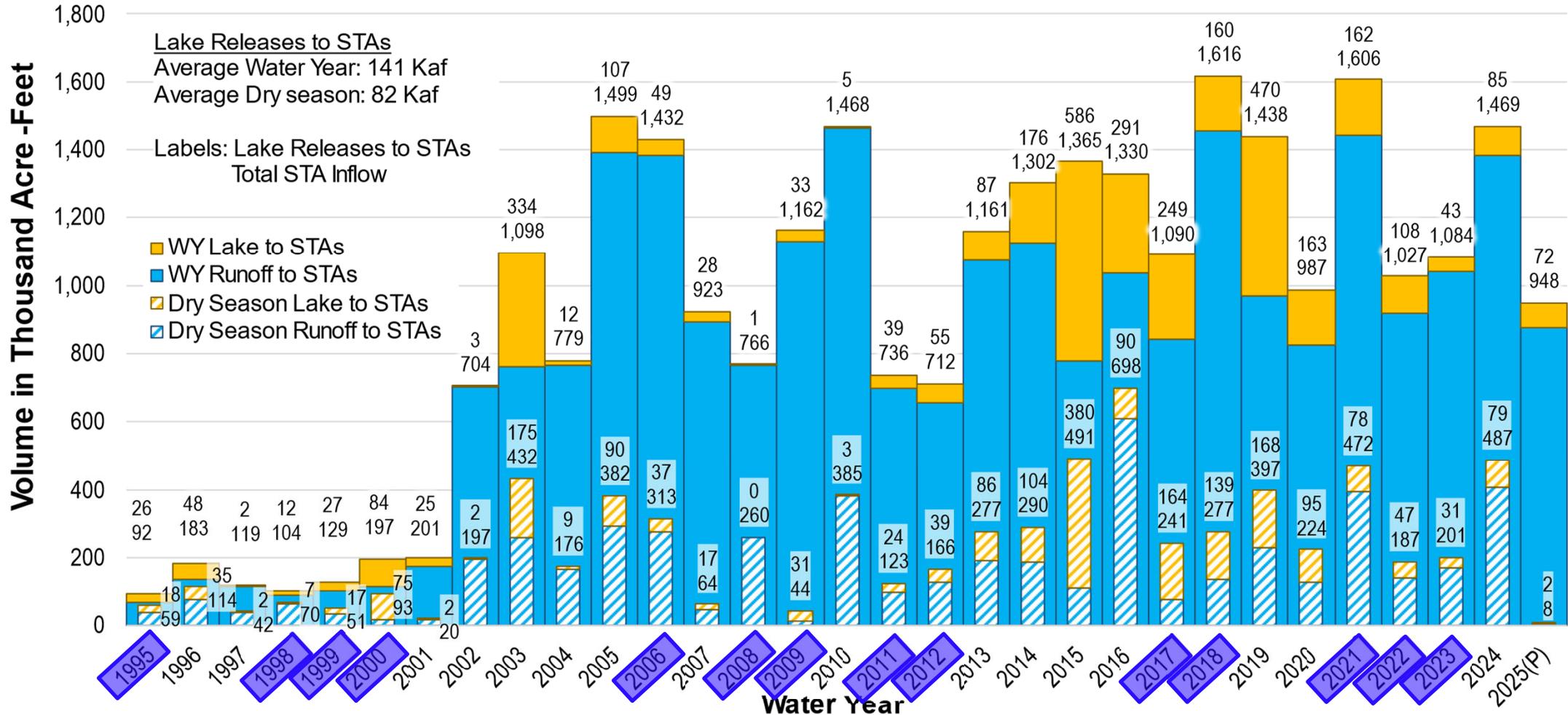
Data are provisional and subject to change



Caloosahatchee River Estuary – Oyster Recruitment



Total STA Inflow and Lake Releases to STAs



2025(p): Data from May 1, 2024 to November 10, 2024. Total STA Inflow includes inflows to STA -1E, STA-1W, STA-2, STA-3/4, and STA-5/6.

La Niña Water Years

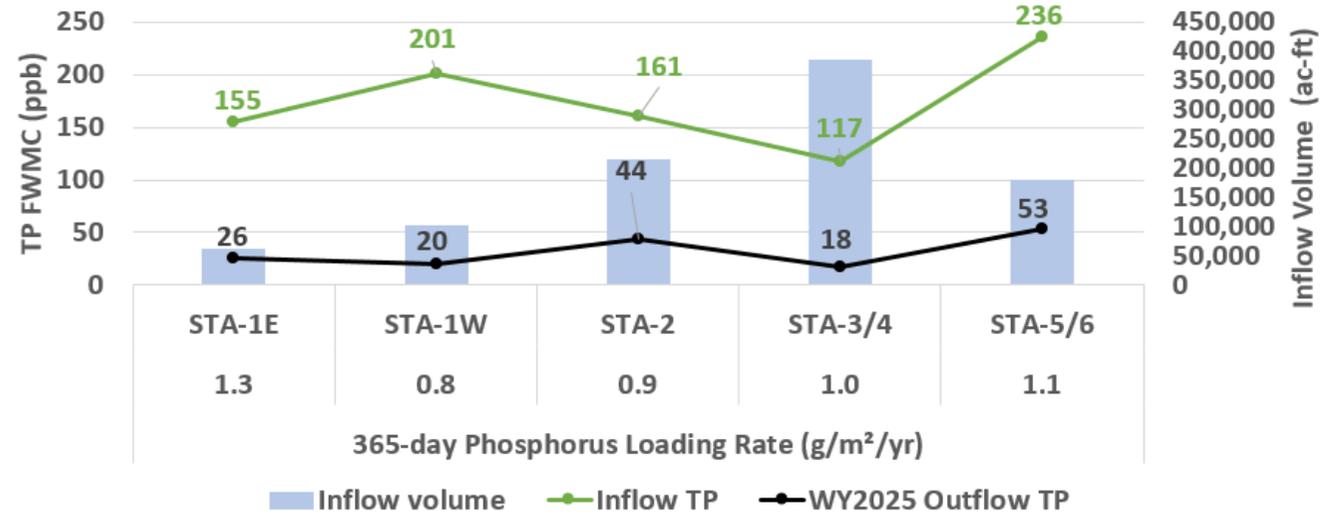
Everglades Stormwater Treatment Areas - STAs

- STAs treated basin runoff and Lake Okeechobee releases in October
 - Total WY2025 inflows to STAs (5/1/2024 to 11/3/2024): ~943,000 ac-ft
 - Lake Okeechobee releases to FEBs/STAs in WY2025: ~70,700 ac-ft
- Extensive vegetation management activities underway to address stressed and highly stressed vegetation in EAV cells
- Most treatment cells are at or near target water depth

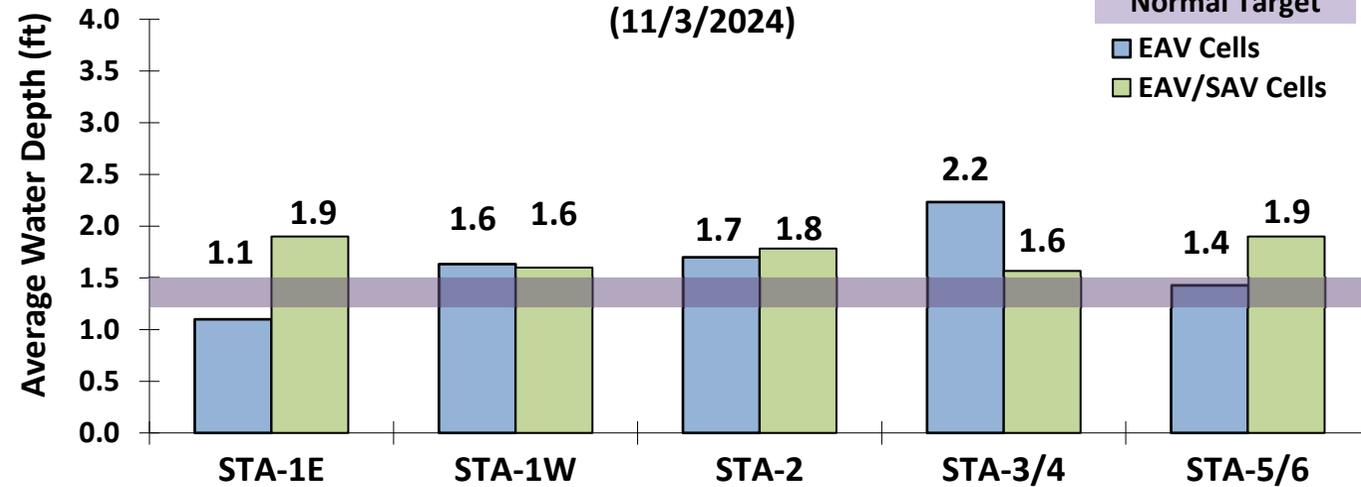
Water Year 2025

5/1/2024 to 11/3/2024

Includes Preliminary Data



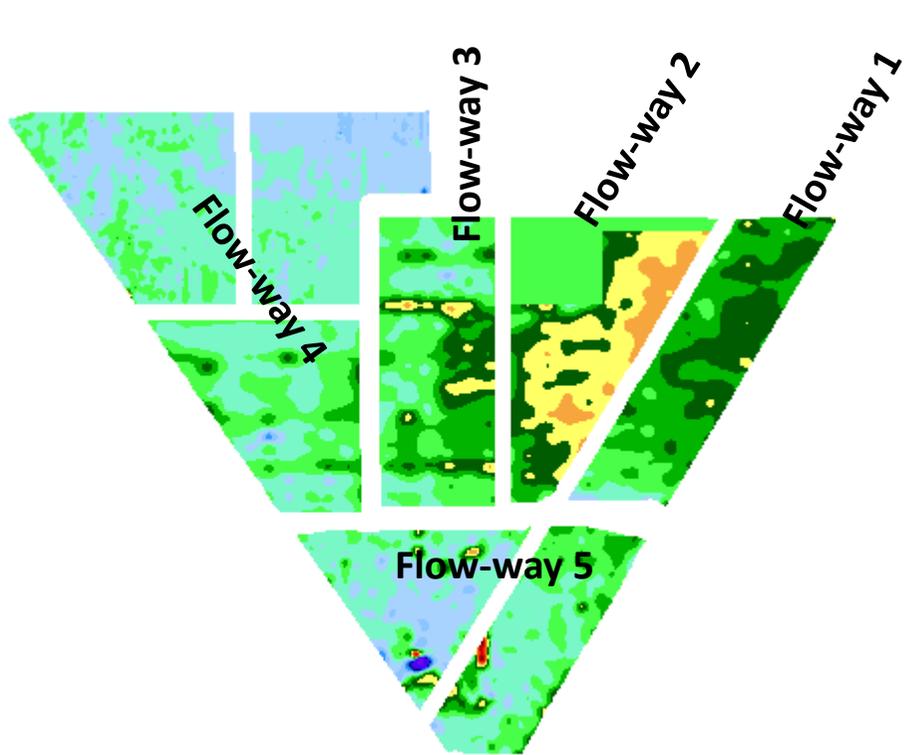
Water Depths (11/3/2024)



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

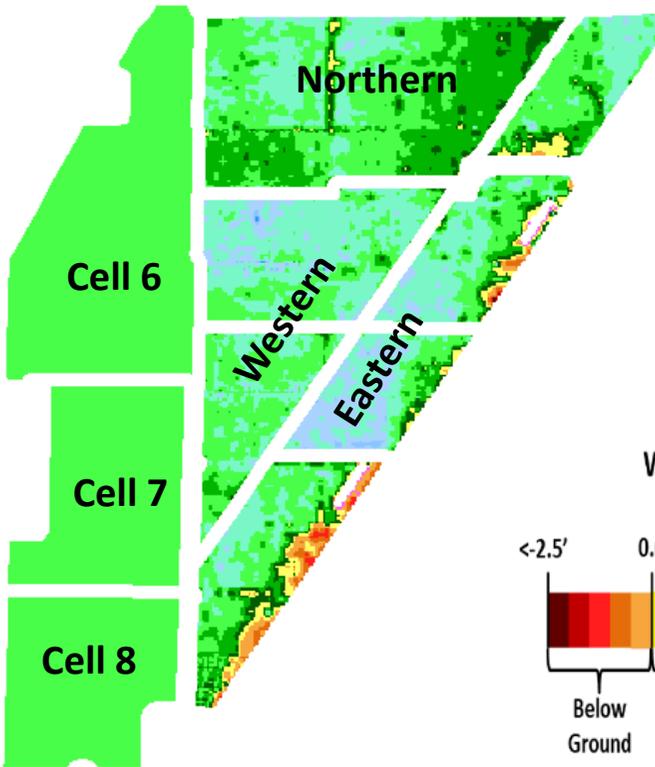


Stormwater Treatment Areas Water Depths



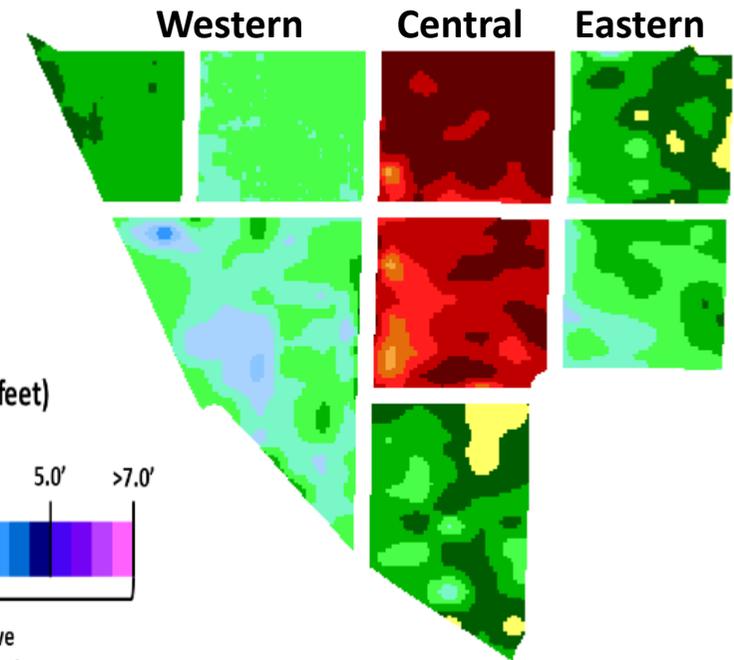
Flow-Way	Restrictions
1	On-line; upstream FAV control
2	On-line; vegetation management; upstream FAV control
3	On-line; upstream FAV control
4	On-line; vegetation management; upstream FAV control
5	On-line

STA-2



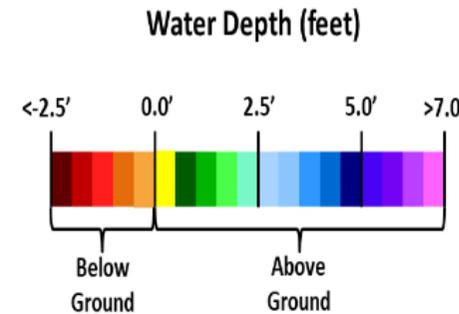
Flow-way	Restrictions
Northern	On-line; vegetation management
Eastern	On-line
Western	On-line
Cell 6	On-line
Cell 7	On-line
Cell 8	On-line

STA-1W

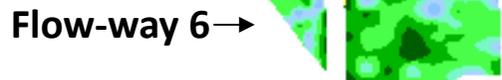
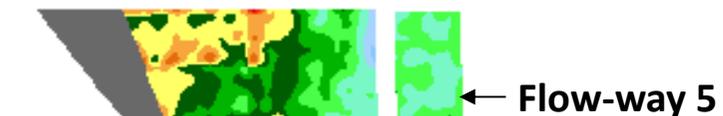
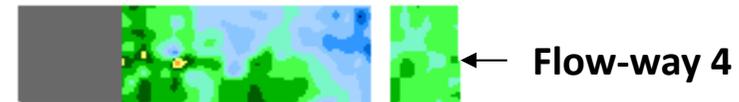
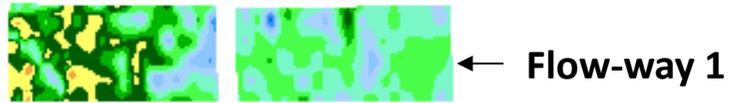


Flow-way	Restrictions	Back on-line
Western	On-line; post-construction grow in	
Central	Off-line ; construction activities	TBD
Eastern	On-line	

STA-1E

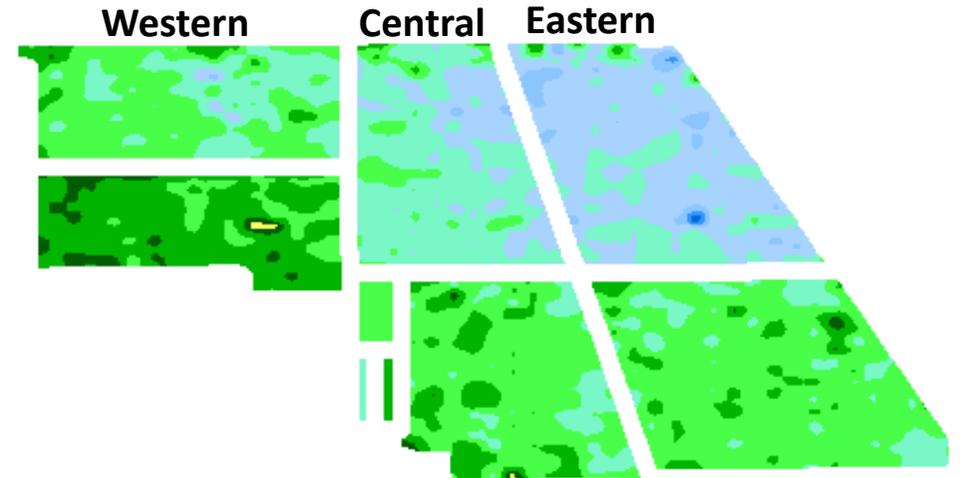
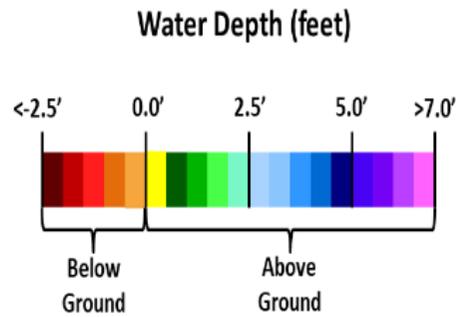


Stormwater Treatment Areas Water Depths



STA-5/6

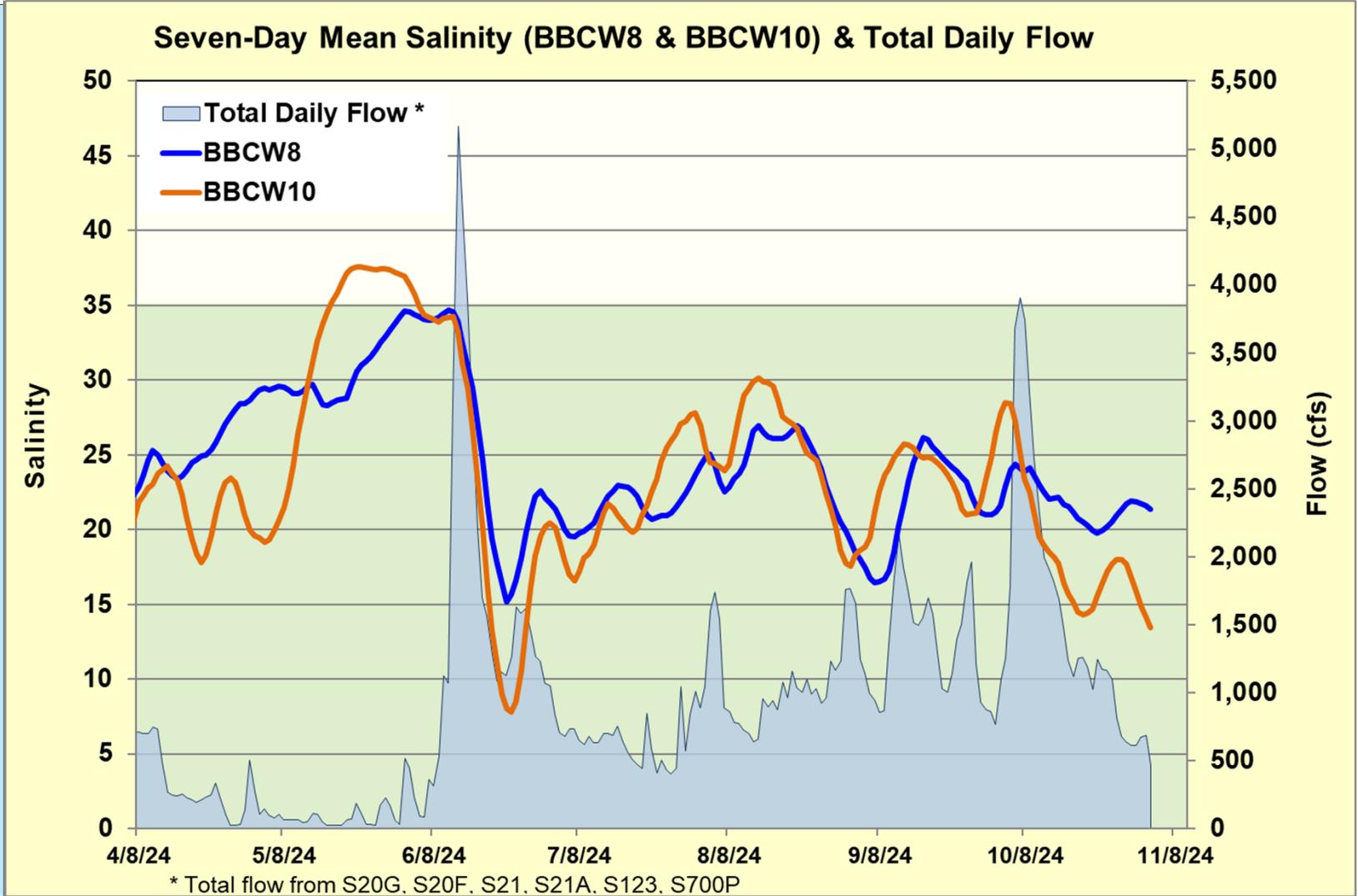
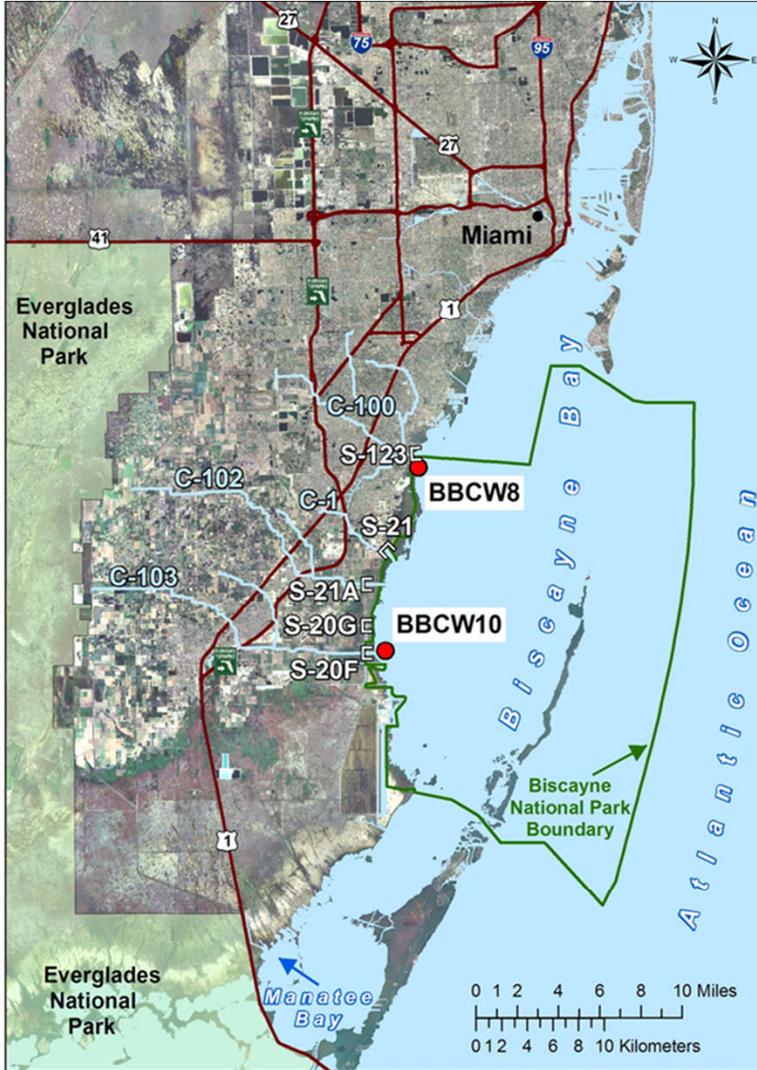
Flow-way	Restrictions
1	On-line
2	On-line
3	On-line
4	On-line
5	On-line
6	On-line
7	On-line
8	On-line



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

STA-3/4

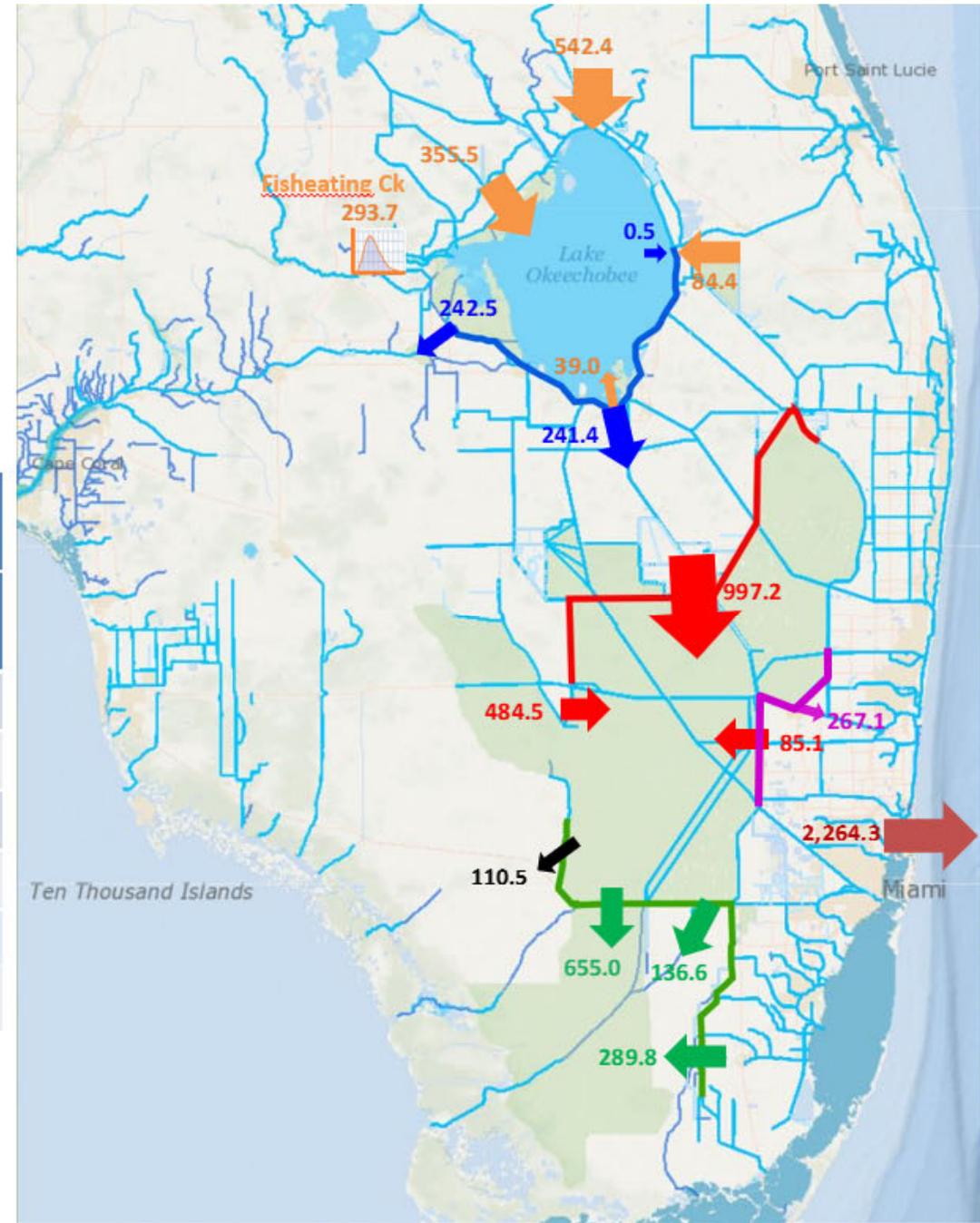
Biscayne Bay Salinity Conditions



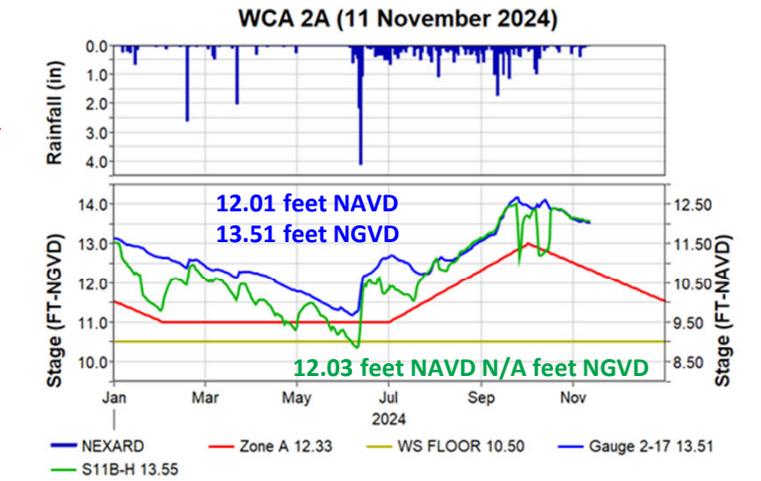
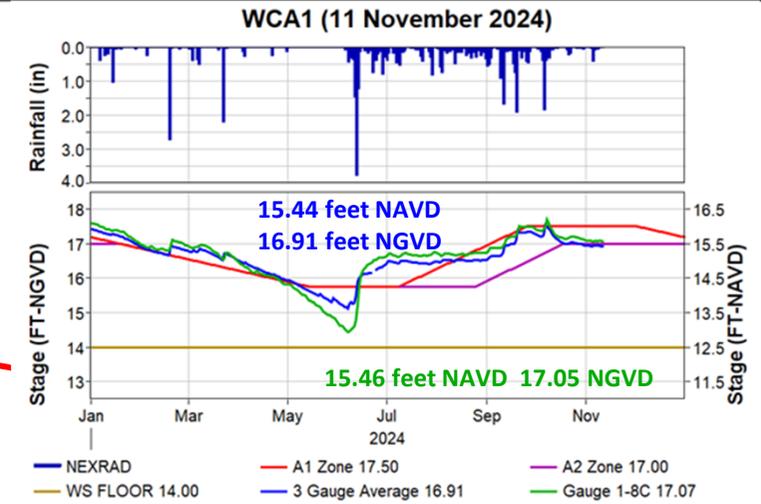
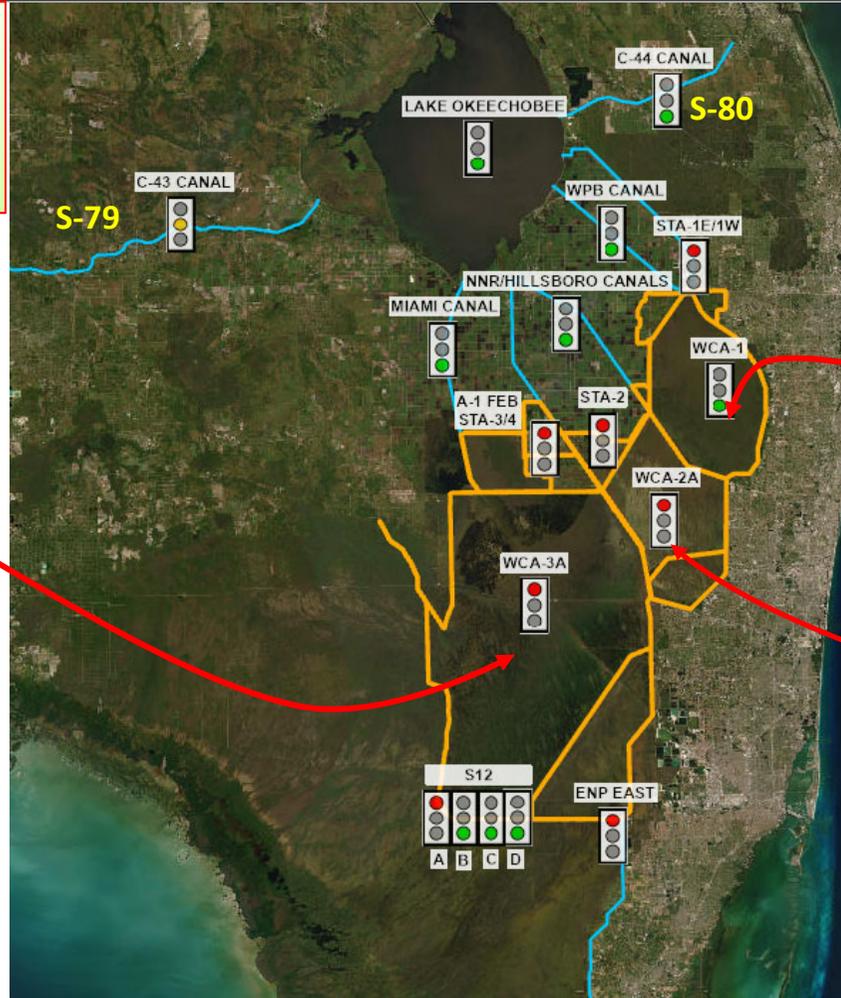
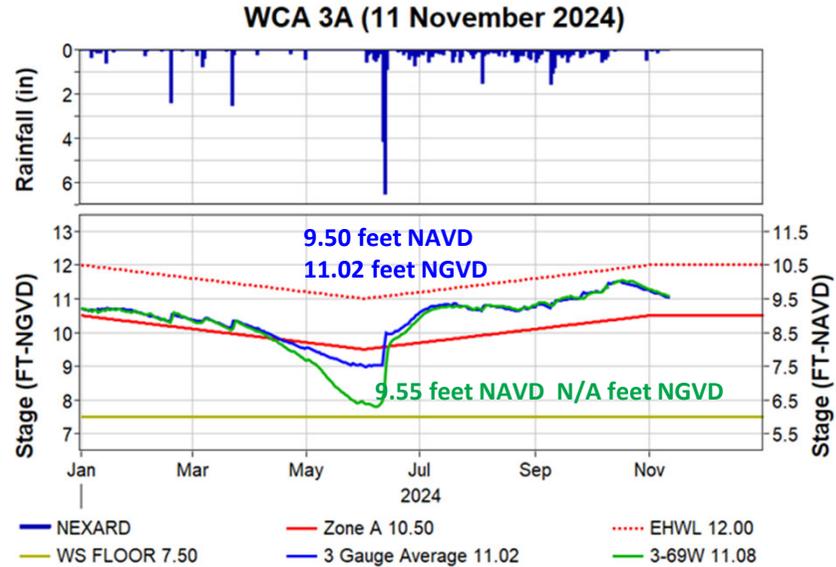
**SFWMD –Volumes Flowing
Down the System for the
Period May 1, 2024 to November 11, 2024**
(volumes in 1,000 acre-feet)

Symbol	Description	Volume (1,000 acre- feet)	
		WYR 2025	Last Month
	Lake Okeechobee Inflows	1314.9	311.8
	Lake Okeechobee Outflows	484.4	63.1
	WCAs Inflows	1566.9	114.0
	ENP / Detention Cell Inflows	1081.4	235.6
	WCAs to East	267.1	61.7
	Flows to Intracoastal	2264.3	351.7

1,000 acre-feet = 325.9 Million Gallons



Lake Okeechobee stage is in the upper third of Zone D of LOSOM (Zone D1 of the PA25 simulation) and above the ecological envelope. LOSOM release guidance calls for No releases at S-80, Up to 300 cfs at S-271 or S-352, Up to 2,000 cfs at S-79, and Up to 1,100 cfs at S-351 and S-354 combined.



For this week, the Tamiami Trail Flow Formula calls maximum releases from WCA-3A to NESRS. Current L-29 stage constraint is at 7.0 feet NAVD (8.5 feet NGVD). South Dade Conveyance System is stable. S-335 and S-338 are open. S-356 is pumping. G-211 is closed. S-332B and D are pumping as needed. S-176 and S177 are closed. S-18C is open and S-197 is closed. LPG-2 stage at 8.5 SMA is below ground. S-357 is pumping as needed. S199 and S200 are pumping as needed to maintain the stage in the canal within range.

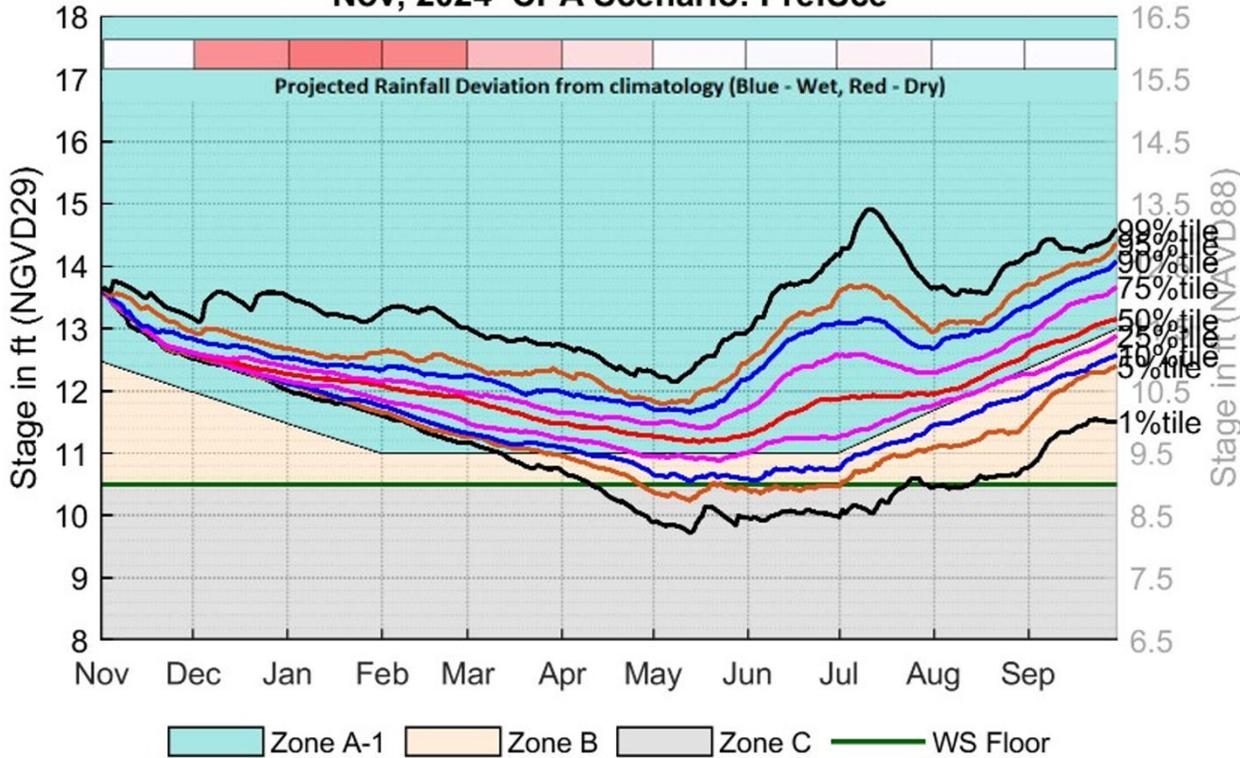
WCA-1 stage is below regulation schedule in Zone A2; WCA-2A stage is above regulation schedule; WCA-3A stage is above regulation schedule in Zone A. S-10s are closed and S-11s are open to ~700 cfs. S12A was closed on Nov 1. S12B/C/D are open to ~2,300 cfs. S-333 and S-333N are limited by the constraint in L-29 canal stage. S-343 A and B are closed. Interior structures to WCA-3A S-339 and S-340 are open. WCA-2A reg releases through C-14 (S-38 ~200 cfs). WCA-3A to tide via S-151 (~200 cfs), S-31 (~250 cfs) into the C-6 canal and then S-26 (~450 cfs) and NNR (S-34E ~350 cfs).

Conditional Position Analysis (CPA)

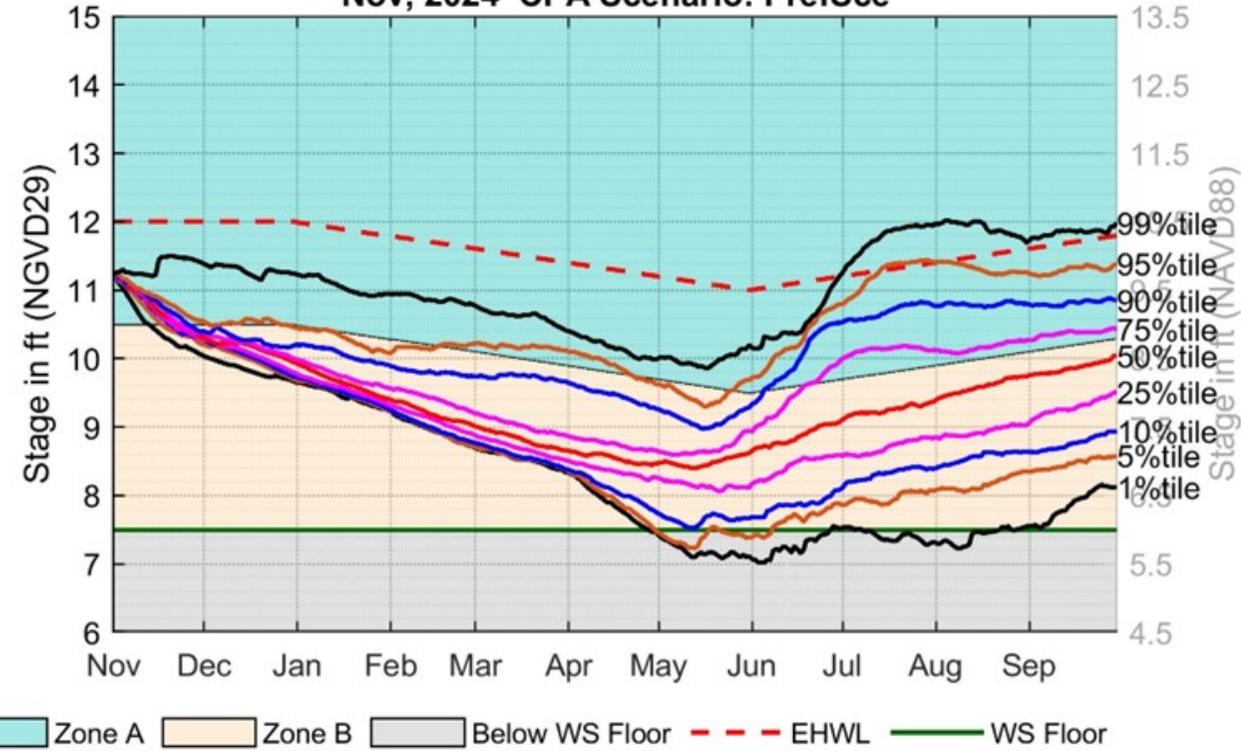
SITE_17

WCA3AAvg

Nov, 2024 CPA Scenario: PrefSce

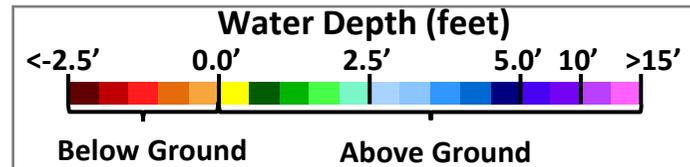
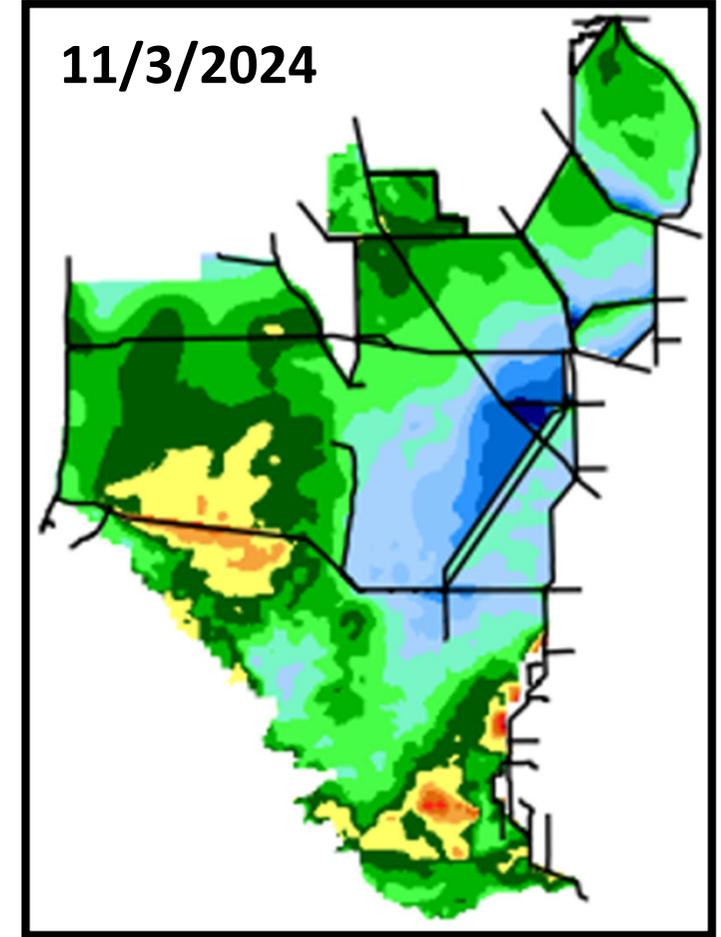
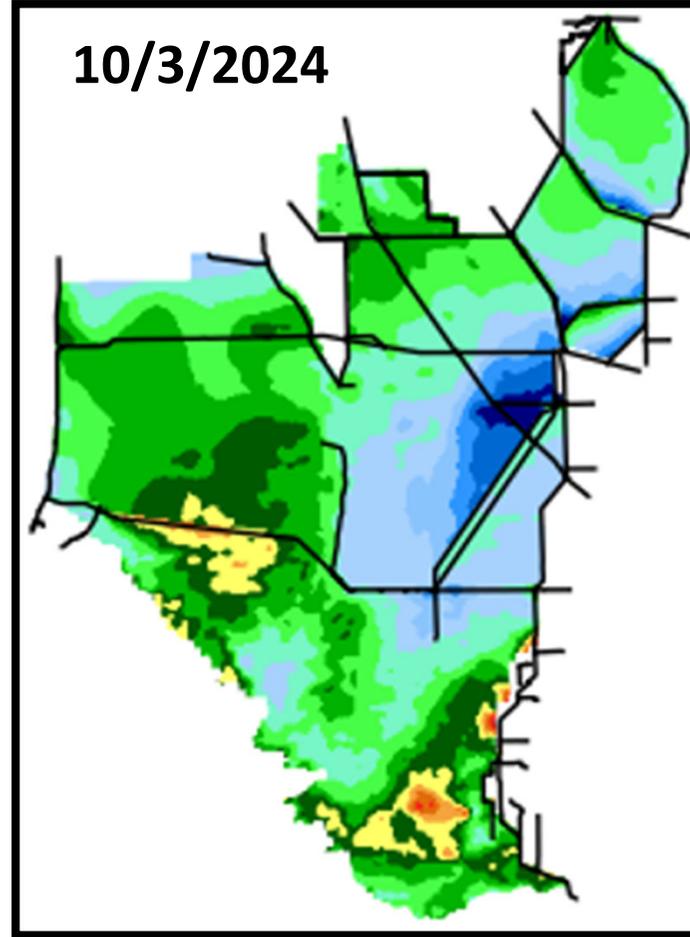
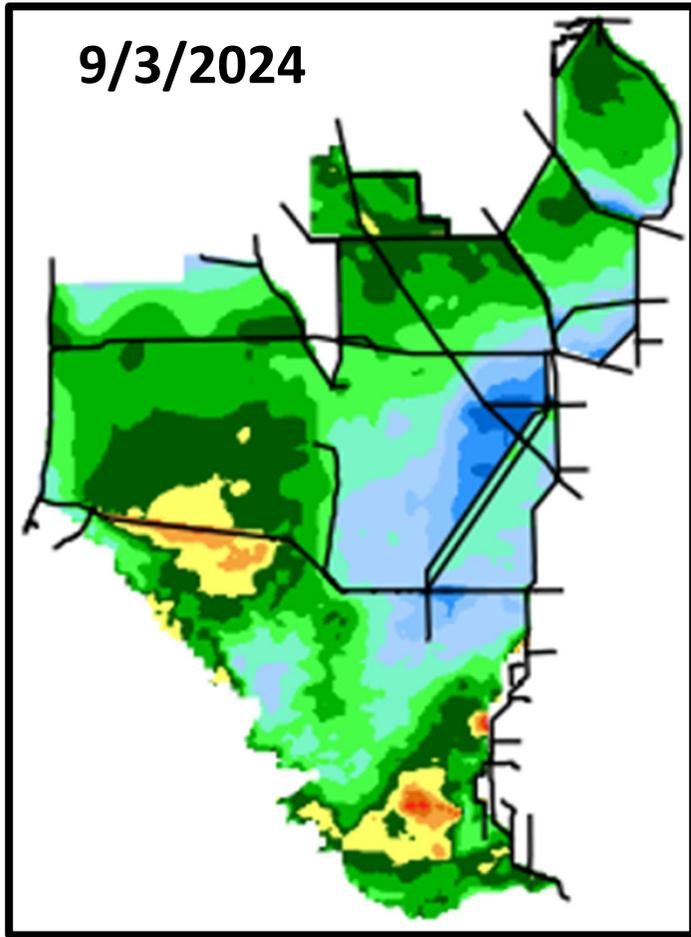


Nov, 2024 CPA Scenario: PrefSce



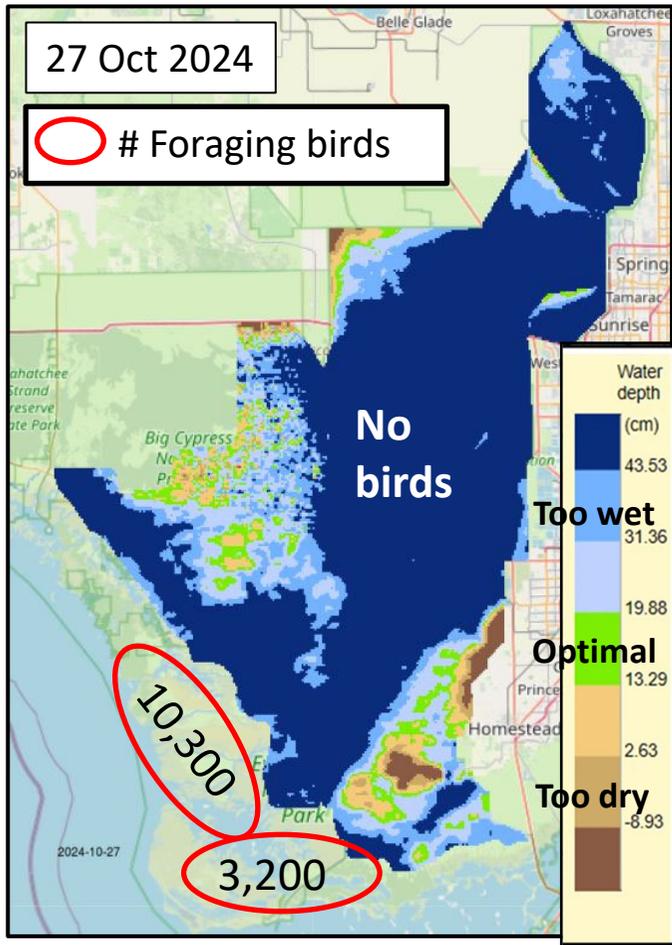
Secondary vertical axis shows stages in NAVD88. These stages are based on Agreed Upon Regulation Schedule Conversion Offsets between NGVD29 and NAVD88 (1.5 ft for WCA2&3).

Everglades Water Depths



Current Conditions & Predicted Outlook for the 2025 Wading Bird Nesting Season

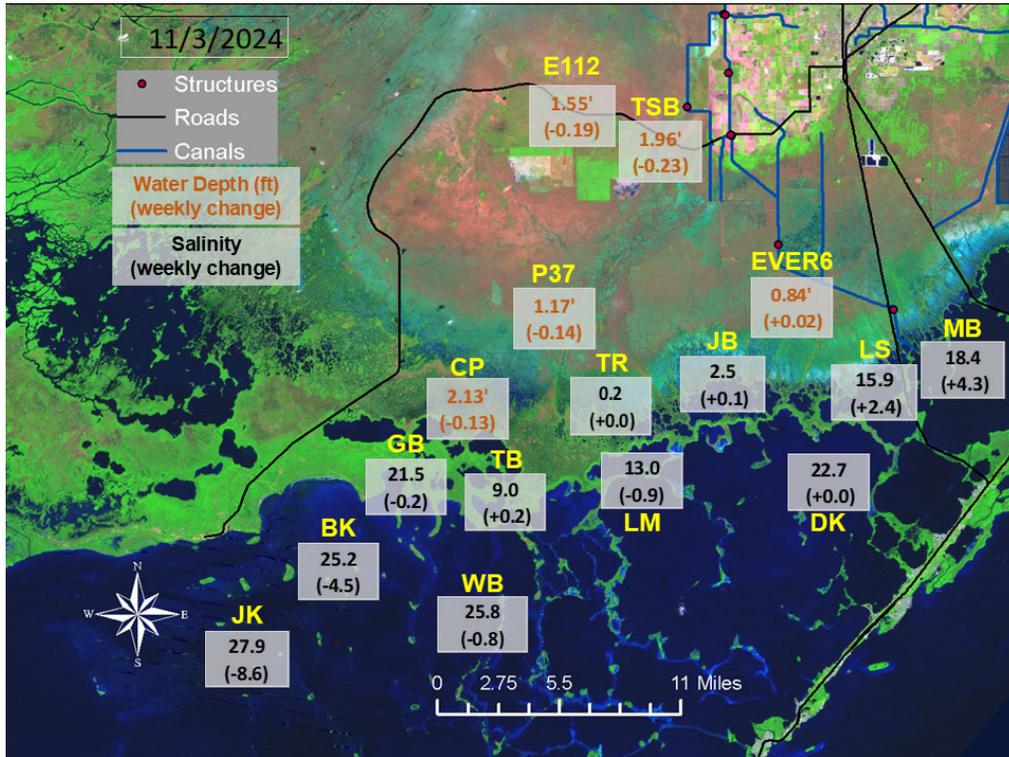
Wading Bird Habitat Suitability



Current conditions are favorable for a successful 2025 nesting season

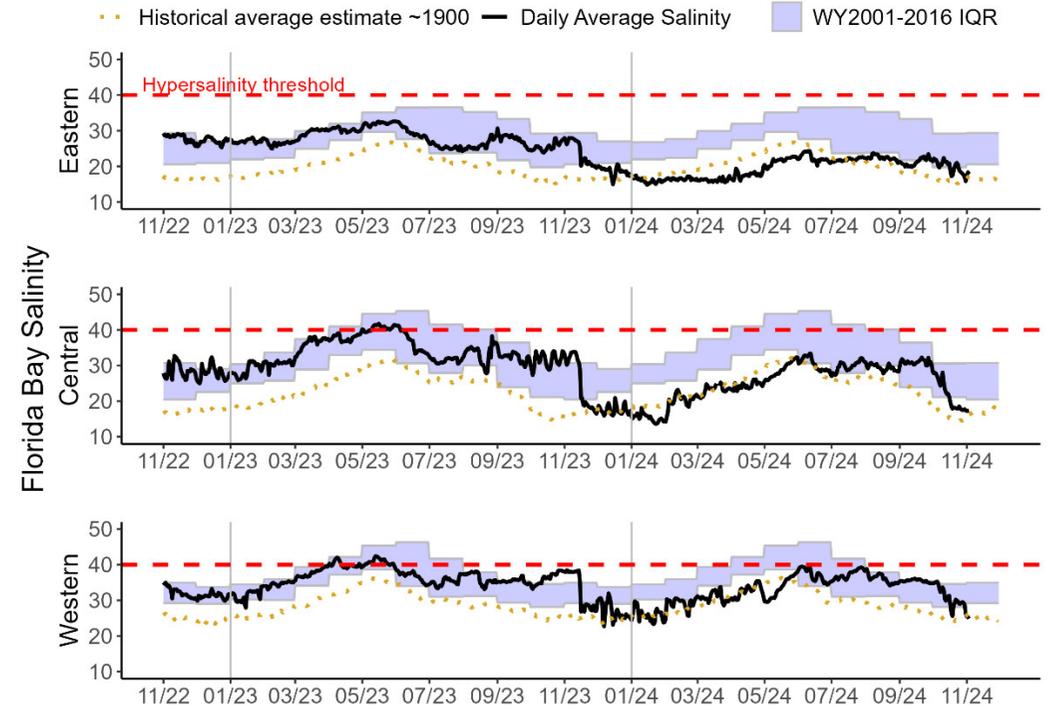
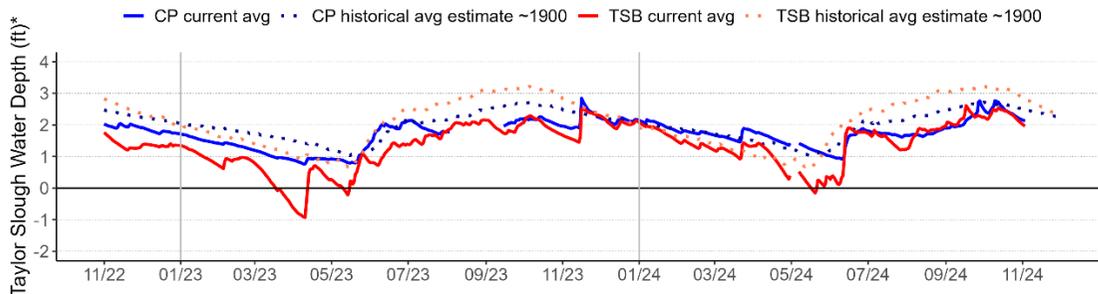
- Large numbers of birds are already foraging along the coast allowing for early stork nesting and coastal colony formation.
- Long hydroperiods have produced and continue to produce large biomasses of aquatic prey.
- Current relatively wet conditions across the landscape (see map) will produce critical foraging habitat in over-drained higher elevation areas during the nesting period.
- The predicted weak La Nina should allow for optimal recession rates and foraging at the right time and place during the dry season.

Florida Bay Salinity



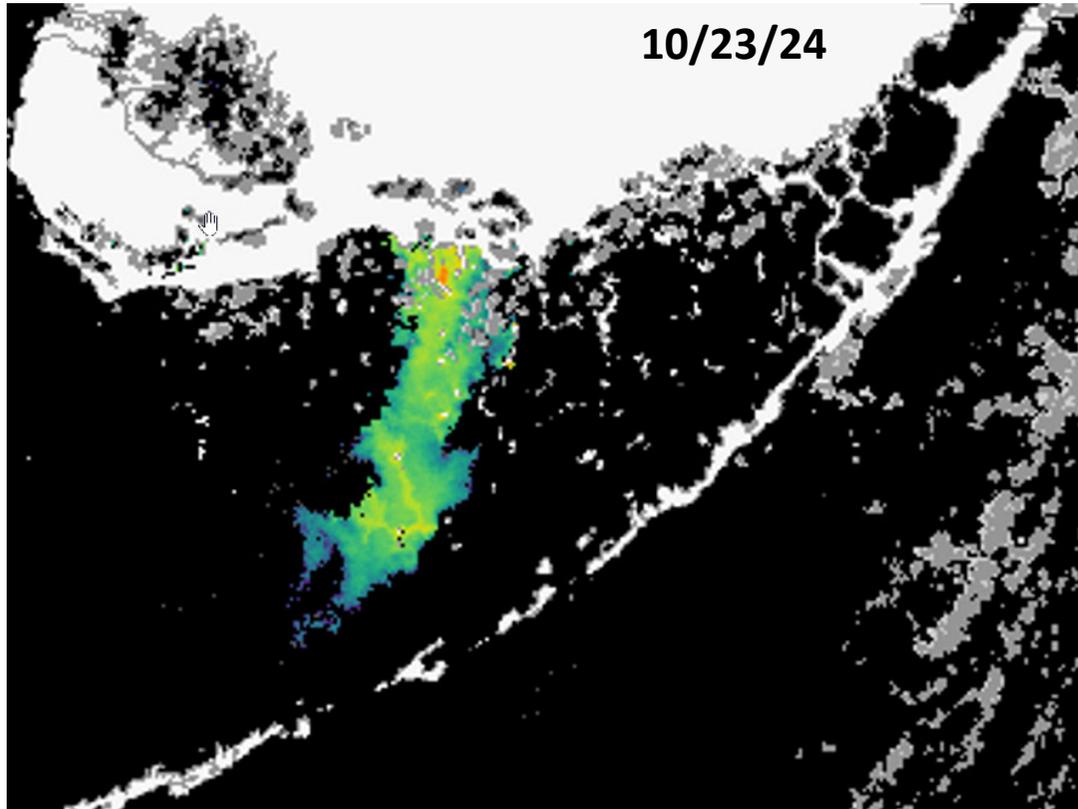
Taylor Slough Water Depths

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



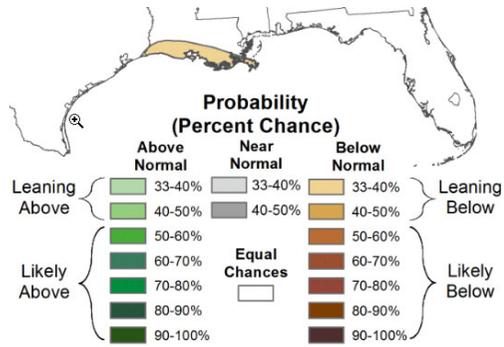
- Average Florida Bay salinity was 18.2, a decrease of 1.3 from last week.
- Salinity is now below the WY2001-2016 IQR and at or near historical levels in all three regions.
- Average Florida Bay salinity remains below its recent average for this time of year by 5.4, a decrease of 1.6 from last week.

Blue green algal bloom in Central Florida Bay

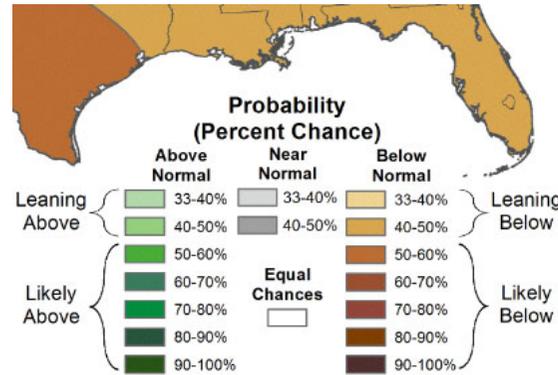


- An algal bloom formed in Jan. 2024
- Initially small and localized nearshore, it expanded following the passage of Helene and Milton
- Likely a response to rains and storm surge pushing dead organic material off wetlands into the bay
- Species are non-toxic and the bloom should dissipate in the dry season

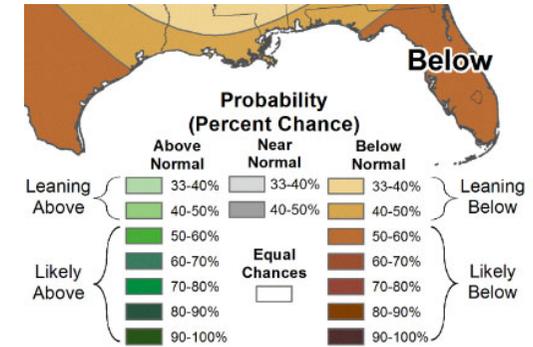
CPC Precipitation Outlook for South Florida



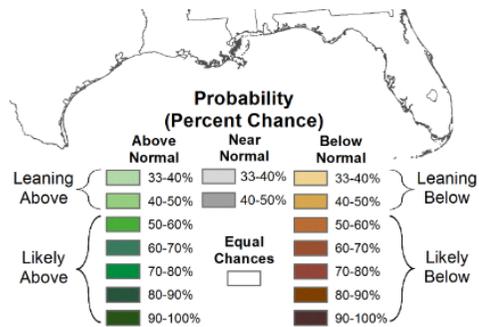
Nov 2024



Nov 2024 – Jan 2025



Jan 2025 – Mar 2025



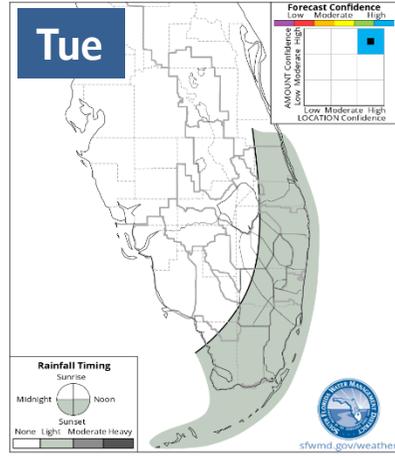
Apr 2025 – Jun 2025

- The most recent CPC precipitation outlook for Nov 2024 is equal chances of below, normal, and above normal (EC) for south Florida.
- The 3-month windows of Nov 2024 – Jan 2025, Feb 2025 – Apr 2025 and Mar 2025 – May 2025 show increased chances (40-50%) of below normal rainfall for the entire District.
- The 3-month window of Dec 2024 – Feb 2025 signals substantial increased chances (50-60%) of below Normal rainfall for the Lake Okeechobee and south, and increased chances (40-50%) of below Normal rainfall for the remainder of the District.
- The 3-month window of Jan 2025 – Mar 2025 shows outlooks for substantial increased chances (50-60%) of below normal rainfall for the entire District.
- All the 3-month windows from Apr 2024 – Jun 2024 into the transition to the 2024-2025 Dry Season show equal chances of below, normal and above normal rainfall.

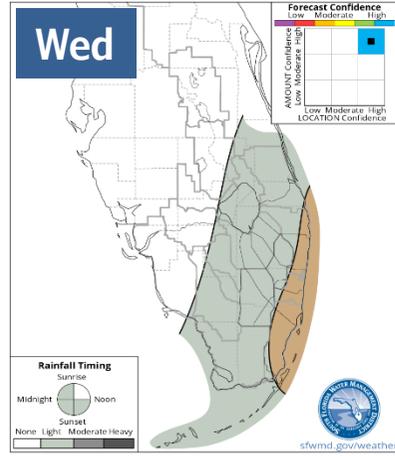
Updated Oct 17, 2024

Short-, Medium-, & Extended-Range Outlooks

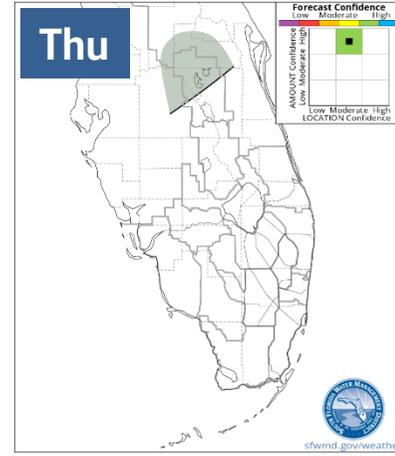
SFWM Quantitative Precipitation Forecast (QPF)
Day 1 24-Hour Period Beginning 7am EST Tuesday



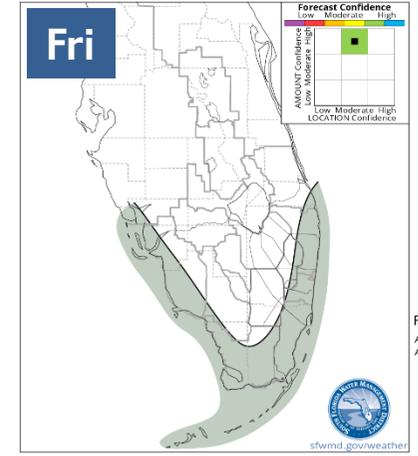
SFWM Quantitative Precipitation Forecast (QPF)
Day 2 24-Hour Period Beginning 7am EST Wednesday



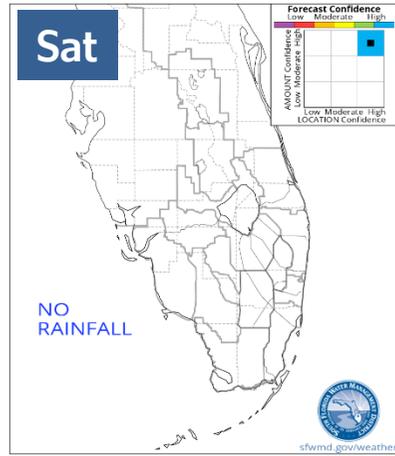
SFWM Quantitative Precipitation Forecast (QPF)
Day 3 24-Hour Period Beginning 7am EST Thursday



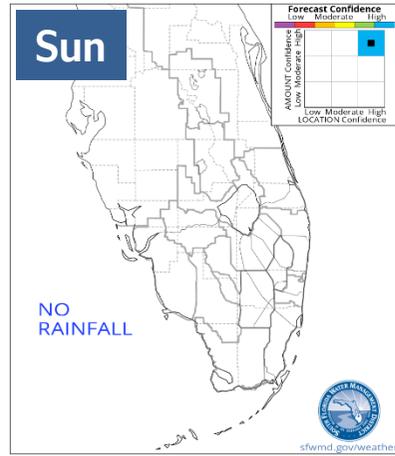
SFWM Quantitative Precipitation Forecast (QPF)
Day 4 24-Hour Period Beginning 7am EST Friday



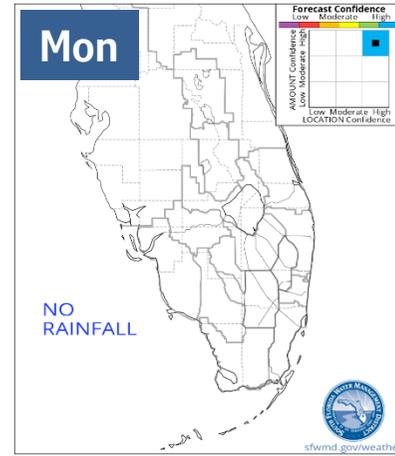
SFWM Quantitative Precipitation Forecast (QPF)
Day 5 24-Hour Period Beginning 7am EST Saturday



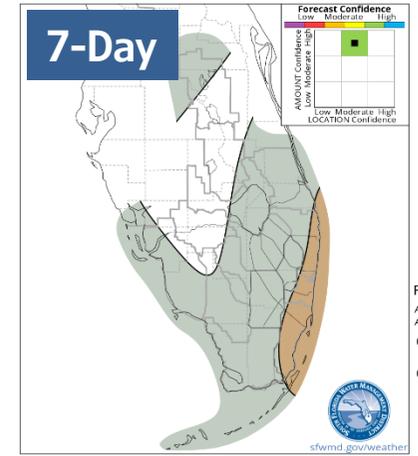
SFWM Quantitative Precipitation Forecast (QPF)
Day 6 24-Hour Period Beginning 7am EST Sunday



SFWM Quantitative Precipitation Forecast (QPF)
Day 7 24-Hour Period Beginning 7am EST Monday



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



Weekly Summary

Week 1 (Historical Avg: 0.50"): Much, much, much below normal
 Week 2 (Historical Avg: 0.44"): Too much uncertainty



C-44 STA

CERP Construction and Planning Projects

Progress Report

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

Biscayne Bay Coastal Wetlands – Cutler Wetlands Component

Lead Agency: SFWMD

Anticipated Completion Year: 2025

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

Status: Construction.

- Contract 6A – Pump Station S-701 under construction.
- Contract 6B – Conveyance channel under construction.

Biscayne Bay Coastal Wetlands – L-31 East Flowway

Lead Agency: USACE

Anticipated Completion Year: 2025

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

Status: Construction; Operational Testing and Monitoring Period.

- Contract 4 – Pump Station S-709: Construction is complete. Operation Testing and Monitoring Period is underway.
- Contract 5A – Pump Station S-705: Construction is complete. Operation, Testing, and Monitoring Period is underway.
- Contract 5B – Pump Station S-703 and Recreational Sites: Construction is complete. Operation, Testing, and Monitoring Period is underway.
- Contract 5C – Pump Stations S-710 and S-711, Seepage Canal C-711W: Construction work is progressing on Pump Stations S-710 and S-711. Seepage canal berm and spreader canal construction are substantially complete. S-711 control building is complete. Electrical work continues at S-710 control building. Permanent power work by FPL has begun at S-710 and is being coordinated for S-711.

Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)

Lead Agency: USACE

Anticipated Completion Year: TBD

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

Status: Planning; Approval from the Office of the Assistant Secretary of the Army for Civil Works is required to continue the study due to the need for additional schedule and budget. USACE Jacksonville District and South Atlantic District held briefings in August and September for members of the Senior USACE Vertical Team leadership on the project. The planning study is currently awaiting approval via a Vertical Team Alignment Memorandum (VTAM) for the additional budget and funding.

Next Milestone: Approval of the VTAM for additional budget and funding to continue the study. Targeting a Tentatively Selected Plan selection in Summer 2025.

Broward County Water Preserve Areas

Lead Agency: USACE

Anticipated Completion Year: 2035

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

Status: Design.

- Contract 2.1 – Initial land clearing and grubbing contract awarded September 24, 2024.
- Contract 2.2 – C-11 Impoundment Embankment: Final design is being completed, contract plans and specifications should be approved in January 2025, and the construction award is expected as well in 2025.
- Contract 3 – C-11 Impoundment Pump Station: Design is in progress, and the construction award is expected in FY 2026.
- Contract 4 – WCA3A Seepage Management Area: Design to begin in 2025.
- Contract 5 – C-9 Impoundment: Design to begin in 2026.

Caloosahatchee (C-43) Reservoir

Lead Agency: SFWMD

Anticipated Completion Year: 2025

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

Status: Construction.

- Package 1 – Embankment Preloading at 6 critical structures around the dam and demolition of existing infrastructure work is complete.
- Package 2 – S-476 Pump Station replaces the original irrigation pump station located on the header canal that supplied water to existing water users work is complete.
- Package 3 – S-470 Inflow Pump Station which pulls water from the Caloosahatchee River through the Townsend Canal to the Reservoir work is complete. Ribbon cutting event held on December 19, 2023.
- Package 4 – Reservoir: Soil cement (buttress) 21.5 of 22 miles completed, soil cement (slope) 14 of 22 miles completed, perimeter canal and intake canal works are 98% complete, 15,000 feet of wave wall installed. Sand column relief manifold (north reach) has started, and the southern 3 reaches have started excavation. S470 discharge piping installation continues with last pipes to be placed by October 31. Monitoring platform installation is working on their fourth structure. Phase II soil bentonite wall completed between S-474 and S-473 and now proceeding from S-470 to S-471. S-475 gate installation to commence in late October. M3/S-475 gap closure work has commenced. Sod has now been completed on 1/3 of the north down stream slope (south and east slopes completed previously). All structures are substantially complete except the top 3 feet of cap of the S-470 discharge structure.

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

Lead Agency: USACE

Anticipated Completion Year: 2034

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

Status: Design; Construction.

- Contract 10A – Seepage Inflow/Outflow Canal: De-mucking, clearing, and grubbing activities are about 92% complete. Excavation of the canal footprint continues and is 56% complete. Seepage canal and inflow/outflow canal blasting is about 78% complete. Embankment construction began and is about 11% complete.
- Contract 11A – Foundation Preparation & Cutoff Wall: Contractor has completed the submittals and is preparing the final foundation preparation inspection. Clearing, grubbing and de-mucking of borrow pit areas 2 and 3 is complete with borrow area 5 being 65% complete. Drilling and blasting of borrow area 3 is 42% complete. Construction of the east side batch plant slab (near borrow area #3) is nearly complete.
- Contract 11B – Embankment, outlet structures and spillway: Final design completed in November 2023 and construction contract awarded September 27, 2024. This is the largest contract in USACE Jacksonville District's history and is the largest USACE Civil Works stand-alone contract this year. The scope of work includes clearing, excavation, and processing of materials to construct a 17.75-mile embankment dam up to 38 feet high, as well as four gated outlet structures, one un-gated overflow spillway, one multi-bay gated inline spillway, rock foundation preparation, and installation of a seepage cutoff wall.

- Contract 11C – S-636 Seepage Pump Station: Design began in March 2023, and the construction award is expected in September 2026.
- Contract 12 – S-623 Reservoir Inflow Pump Station: In design and will be awarded for construction by SFWMD in Q2 FY25.

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

Lead Agency: SFWMD

Completion Year: 2024

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

Status: Construction.

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

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

Lead Agency: SFWMD

Anticipated Completion Year: 2027

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

Status: Design.

- Contract 9A – EAA North New River Canal Improvements: Construction Notice to Proceed issued on June 20, 2024. Dredge Material Management Area is under construction, mechanical excavation in progress, and hydraulic dredge pipes assembled and scheduled to begin in November.
- Contract 9A – EAA Miami River Canal Improvements Phase 1: Design is complete and construction award by Q2 FY25.
- Contract 9A – EAA Miami River Canal Improvements Phase 2: Design is ongoing and construction award in FY 2025.

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

Lead Agency: SFWMD

Completion Year: 2024

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

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

Central Everglades Planning Project (CEPP) North Phase

Lead Agency: SFWMD

Anticipated Completion Year: 2032

Project Description: CEPP North will restore water levels in the northern portion of the Central Everglades and improve our water resource resiliency in South Florida. The CEPP North features include backfilling of approximately 13 miles of Miami Canal, modifications to the S-8 pump station complex, construction of seven new structures and one new canal as well as improving approximately 18 miles of existing canal.

Status: Design; Construction.

- Contract 7A – L-6 Diversion: A groundbreaking for S-620 was held in May 2023. S-622 is in design and contract award is planned in Q3 FY2025.
- Contract 7A – L-4 Canal Improvements & Distribution Features & S-630 Gated Culverts are in design.

- Contract 7B – S-8 Pump Station Modifications Phase 1 construction contract Notice to Proceed was issued on April 8, 2024. S-8 Pump Station Modifications Phase 2 design is complete. Contract award is planned In Q1 FY2025.
- Contract 8A – L-5 Canal Improvements is in design to be constructed in two packages and contract award for Package 1 is planned in Q2 FY 2025.
- Contract 8B – Miami Canal Backfill and Vegetated Hammocks survey is complete, and design is underway.

Central Everglades Planning Project (CEPP) South Phase

Lead Agency: USACE

Anticipated Completion Year: 2033

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

Status: Design; Construction.

- Contract 1AR – L-67A Culverts: At S-631 the cofferdam construction is complete and surface water removal and guardrail installation continues. At S-632 muck is being removed from east side of levee as well as levee removal for culvert installation. At S-633 the contractor has begun processing materials for stockpiling.
- Contract 2A – Pump Station S-356E and S-334E Gated Spillway: Final design is complete, but construction contract advertisement delayed due to ongoing coordination with respect to the FDOT construction agreement. Contract award forecasted for May 2025 but may shift with this agreement issue.
- Contract 3B – S-355W Gated Spillway in L-29 Canal: Final design is complete. USACE, SFWMD, and FDOT completed negotiation of the FDOT construction agreement. However, after review by the USACE, further coordination between SFWMD and USACE is underway to determine the USACE' real estate needs at this location. The construction contract advertisement is delayed and discussions are ongoing to assess various contract award date scenarios.
- Contract 5 – Blue Shanty Flowway: Final design is scheduled to be complete in FY 2026, and the contract award is scheduled for FY 2026. USACE and SFWMD are coordinating how best to incorporate design refinements based on science recommendations from the Decomposition Physical Model into this contract.
- Contract 6 – L-29 Levee Removal: Design is scheduled to begin in FY 2025, and the contract award is scheduled for FY 2028.

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

Lead Agency: SFWMD

Anticipated Completion Year: 2025

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

Status: Construction; S-457 Pump Station wall pours have reached elevation 30 ft. NAVD88, canal excavation in Segment 1 is 80% and Segment 3 is 95% complete, Segment 2 canal excavation 80%, and box culvert concrete construction is complete and backfilling to start this month.

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

Lead Agency: USACE

Anticipated Completion Year: 2031

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

Status: Design.

- Contract 4A – S-426 Pump Station, Afterbay, S-245425 Culvert, PC-37 Canal and Structure: Final design has been completed. Contract awarded for September 27, 2024.
- Contract 4B – S-425 Sag Culvert, S-426 Afterbay, and Reservoir Embankment Construction: The final design is scheduled to be complete December 2025.

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

Lead Agency: SFWMD

Anticipated Completion Year: 2030

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

Status: Design is ongoing by the SFWMD. Package 1 of the canal and structure construction contract was approved by the SFWMD Governing Board in April 2024, and Package 2 – Reservoir construction contract will be awarded in FY 2025.

Indian River Lagoon South – C-23/24 STA

Lead Agency: USACE

Anticipated Completion Year: 2026

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

Status: Construction; Stormwater treatment areas (STA) Cells 1 and 2 are complete. Cell 3, 4, and 5 are all progressing with construction work on foundations, berms, and canals.

Indian River Lagoon South C-25 Reservoir and STA

Lead Agency: SFWMD

Anticipated Completion Year: 2028

Project Description: The C-25 Reservoir and STA will capture, store and treat local stormwater runoff from the C-25 Canal. The project reduces the rate of harmful flows to downstream estuaries and improves water quality in the estuary and lagoon. Project features include an 803-acre reservoir with 5,176 acre-feet of storage, a 532-acre STA, and a 250 cfs pump station.

Status: Construction; Package 1 for Site Preparation contract awarded in August 2024. Design; Package 2 is in design and estimated contract award is in Q3 of FY 2025.

Indian River Lagoon South – C-44 Reservoir

Lead Agency: USACE

Completion Year: 2021

Project Description:

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

Status: Construction Complete, in Operational Testing and Monitoring Period (OTMP). Design of additional seepage management features is underway and a construction award is forecasted for September 2025 under a separate contract to be advertised in May 2025. Design work such as hydraulic and hydrologic modeling, groundwater sampling, and creating plans and specs are ongoing.

Indian River Lagoon South – C-44 STA

Lead Agency: SFWMD

Completion Year: 2019

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

Status: Construction Complete, in Operational Testing and Monitoring.

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

Lead Agency: SFWMD

Anticipated Completion Year: TBD

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

Status: Planning; Acquiring Lands.

Lake Okeechobee System Operating Manual (LOSOM)

Lead Agency: USACE

Completion Year: 2024

Project Description: The USACE signed the Lake Okeechobee System Operating Manual (LOSOM) Record of Decision on August 12, 2024.

Status: Complete.

Lake Okeechobee Watershed Restoration Project (LOWRP)

Lead Agency: SFWMD

Anticipated Completion Year: TBD

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

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

Status: Planning; Design, Well Testing and ASR Science Plan.

Loxahatchee River Watershed Restoration Project

Lead Agency: SFWMD

Anticipated Completion Year: 2032

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

Status: Design.

- Flowway 1: Anticipated to execute design contract in FY 2025.
- Flowway 2 and 3: In design, survey and geotechnical work underway.

Picayune Strand Restoration Project

Lead Agency: USACE

Anticipated Completion Year: 2025

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

Status: Construction. All three Picayune pump stations and Miller Tram and Road Removal are complete.

- Southwest Protection Feature Levee: Five of six lifts for the full seven miles are complete and the sixth lift is 86% complete.
- Conveyance Features (Design/Build Contract): U.S. 41 culverts construction completed January 2024. CR-92 construction underway and completion is expected in late 2024.
- Canal Plugging: The Faka Union Canal plugging was completed in May 2024. The Miller Canal plugging is scheduled to begin January 2025.

Southern Everglades

Lead Agency: USACE/SFWMD

Anticipated Completion Year: TBD

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

Status: Planning; The study is targeting a kick-off in 2025.

Western Everglades Restoration Project (WERP)

Lead Agency: USACE/SFWMD

Anticipated Completion Year: TBD

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

Status: Planning, Design & Construction; The 3x3x3 planning study waiver request, for schedule and budget to complete the study, was approved by the Assistant Secretary of the Army, for Civil Works, January 2024. The draft Project Implementation Report (PIR) and draft Environmental Impact Statement (EIS) were released for public comment on December 15, 2023. A series of “open house” public meetings were held to discuss the project. In-person and virtual National Environmental Policy Act (NEPA) Public Meetings were held January 17 & 18, 2024. The review period for the final PIR/EIS began on September 27, 2024 and closed on October 28, 2024, and the Record of Decision was signed. Still scheduled for inclusion in WRDA 2024.

- Region 4 Design and Construction – L-28 Culverts under construction, Notice to Proceed issued in April 2024. Modeling complete, geotechnical work ongoing and design commenced for 11-Mile Road, US-41 and Loop Road Culverts. A groundbreaking was held on July 10, 2024, for the first major feature of the Western Everglades Restoration Project, the L-28 South Culverts, which will support Everglades restoration.



L-28 Culverts Under Construction



Northern Everglades and Estuaries Protection Program (NEEPP)

Progress Update – November 2024

SOUTH FLORIDA WATER MANAGEMENT DISTRICT PROGRESS UPDATE

The South Florida Water Management District is collaborating with the Water School at Florida Gulf Coast University (FGCU) to study the health and ecosystem of Lake Okeechobee. The study will take into account the health of plants, fish, and wildlife to be used for future planning of invasive plant control, replanting of native vegetation, and fish and game management. In support of this study, FGCU is holding three in-person, public workshops: the first two will present background information and solicit public/stakeholder input, while the third will offer the opportunity to review and comment on the drafted recommendations of the study.

- ▶ Workshop #1: November 6, 2024 – John Boy Auditorium, Clewiston
- ▶ Workshop #2: November 7, 2024 – C. Scott Driver Recreation Area, Okeechobee
- ▶ Workshop #3: Date/Location TBD

Additionally, an online portal is now open for the public/stakeholders to submit study-related comments either using the QR code (on right) or visit LakeOStudy.com. Following input from local stakeholders, subject matter experts, and lake ecologists, a report on the FGCU study findings and recommendations will be submitted to the Governor, the President of the Senate, and the Speaker of the House of Representatives by January 1, 2025.

INTERAGENCY SPOTLIGHT

The Coordinating Agencies' NEEPP Annual Progress Report for the *Draft 2025 South Florida Environmental Report (SFER) – Volume I, Chapter 8A*, along with the Watershed Protection Plan (WPP) 5-Year Updates for the Lake Okeechobee, St. Lucie River, and Caloosahatchee River Watersheds (Chapters 8B-8C-8D) are being completed for review.

This year's flagship report highlights the many notable accomplishments and successes among our agencies during the 2024 reporting period and also showcases the District's WPP modeling update for all three watersheds (Appendix 8A-1).

Draft Volume I will be published on November 12 for open public and peer review; comments can be posted on the SFER WebBoard through December 17, 2024 (SFWMD.gov/SFER).



Scan this QR Code to submit public comments for the FGCU Lake Okeechobee Health Study.



Turbidity Control for Submerged Aquatic Vegetation Recovery (SAV) in the Lake Okeechobee Littoral Zone Pilot Study: South Plot study site (left photo) and North Plot study site (right photo).



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PROGRESS UPDATE

DEP is working closely with the Coordinating Agencies to prepare for the next Basin Management Action Plan (BMAP) update meetings for the Caloosahatchee River and Estuary/Everglades West Coast, St. Lucie River and Estuary, and Lake Okeechobee, which have been rescheduled. The upcoming meetings for Lake Okeechobee will also cover the next 5-Year Review for the BMAP, which is planned to be published in December 2024. All five public meetings will be held in person as follows:

- ▶ November 19, 2024: St. Lucie River and Estuary BMAP Meeting (Palm City)
- ▶ November 19 and 21, 2024: Lake Okeechobee BMAP/5-Year Review Meeting (St. Cloud and Okeechobee)
- ▶ November 20, 2024: Caloosahatchee River and Estuary/Everglades West Coast BMAP Meeting (Ft. Myers and LaBelle)

To stay informed on the upcoming meetings, please visit DEP's BMAP website at floridadep.gov/bmaps and subscribe to DEP's announcement distribution list at floridadep.gov/dear/dear/content/subscribe#BMAP.

FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES PROGRESS UPDATE

As of September 1, 2024, the Florida Department of Agriculture of Consumer Services (FDACS) has completed 92% of required implementation verifications (IVs) for agricultural operations within the NEEPP boundary (in accordance with IV deferrals). FDACS continues to collect and retain required nutrient application records as IVs are conducted.

Agricultural Commissioner Wilton Simpson signed Emergency Orders providing IV site visit deferrals for the counties impacted by Hurricane Debby (EO 2024-013, 37 counties through November 24, 2024), Hurricane Helene (EO 2024-014, 61 counties through November 22, 2024), and Hurricane Milton (EO 2024-017, 51 counties through December 4, 2024).

FDACS continues with rulemaking to revise the existing Florida agricultural BMP manuals and rules. Rule Chapter 5M-1, F.A.C. was filed with the Department of State (October 10, 2024) and the revised rule will go into effect on October 30, 2024. Rule Chapter 5M-1, F.A.C. (Sod Manual) was filed October 23, 2024. For a complete list of all rule development activity, visit fdacs.gov/Divisions-Offices/Agricultural-Water-Policy/Rule-Development-Activities.



On September 16, 2024, a ribbon-cutting event was held at the Partin Family Ranch property in Osceola County to celebrate the recent launch of project operations.



A LOOK AHEAD

November 18, 2024

NEEPP Annual Public Workshop

Held by the Coordinating Agencies at the District's Headquarters in West Palm Beach to collectively summarize our agencies' NEEPP key accomplishments and progress made over the past year.

During this in-person event, there will also be an Open House with posters where staff will be available to share the latest information, engage with the public/stakeholders, and answer questions on NEEPP-specific topics of interest. For more information visit SFWMD.gov/WPPs.

November 19-21, 2024

2025 BMAP Update Meetings

DEP will be holding in-person meetings for all three Northern Everglades BMAPs. Staff from SFWMD and FDACS will also participate in these meetings to share information on the upcoming 5-Year WPP updates and program updates.



2023 NEEPP Public Workshop