

**U.S. ARMY CORPS OF ENGINEERS (USACE)
JACKSONVILLE DISTRICT**

SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS

JOINT SCIENCE COORDINATION AND WORKING GROUP MEETING

**Presented by: April Patterson, PMP, Senior Project Manager, Ecosystems Branch, Jacksonville District
20 March 2024**



Image courtesy of Conservancy of Southwest Florida



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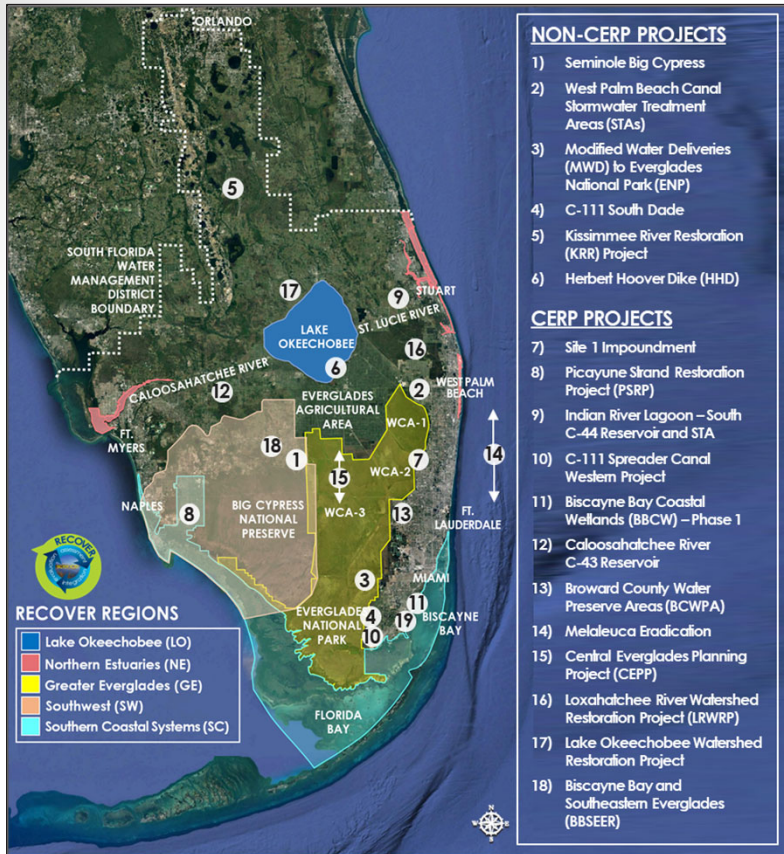
**US Army Corps
of Engineers**



SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS



BUDGET OVERVIEW



- NON-CERP PROJECTS**
- 1) Seminole Big Cypress
 - 2) West Palm Beach Canal Stormwater Treatment Areas (STAs)
 - 3) Modified Water Deliveries (MWD) to Everglades National Park (ENP)
 - 4) C-111 South Dade
 - 5) Kissimmee River Restoration (KRR) Project
 - 6) Herbert Hoover Dike (HHD)
- CERP PROJECTS**
- 7) Site 1 Impoundment
 - 8) Picayune Strand Restoration Project (PSRP)
 - 9) Indian River Lagoon – South C-44 Reservoir and STA
 - 10) C-111 Spreader Canal Western Project
 - 11) Biscayne Bay Coastal Wetlands (BBCW) – Phase 1
 - 12) Caloosahatchee River C-43 Reservoir
 - 13) Broward County Water Preserve Areas (BCWPA)
 - 14) Melaleuca Eradication
 - 15) Central Everglades Planning Project (CEPP)
 - 16) Loxahatchee River Watershed Restoration Project (LRWRP)
 - 17) Lake Okeechobee Watershed Restoration Project
 - 18) Biscayne Bay and Southeastern Everglades (BBSEER)

	INVESTIGATIONS	CONSTRUCTION	OPERATIONS & MAINTENANCE	
South Florida Ecosystem Restoration (Annual)	\$0	\$507M	\$12.897M	FY24 Appropriation + FY23 Carryover
South Florida Ecosystem Restoration (Supplemental)	\$0	\$1.097B	\$0	Bipartisan Infrastructure Law (2022)
South Florida Ecosystem Restoration (Annual)	\$0	\$444M	\$14.1M	FY25 President's Budget
FY24 J Sheet, Total Estimated SFER Programmed Construction Cost \$ 23,617,006,000				
Central and Southern Florida Resiliency Study (Section 216)	\$425K	\$0	\$0	FY24 Appropriation
Comprehensive Central and Southern Florida Resiliency Study (WRDA22)	\$0	\$0	\$0	New authority in WRDA22



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM PROGRAM-LEVEL ACTIVITIES

Today's Highlights:

- Second Periodic CERP Update





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Second Periodic CERP Update (SPCU)



Today's Highlight:

- **A status update on model development and evaluation,**
- **Shares the process developed by the USACE and SFWMD to evaluate the status of CERP components, and**
- **Requests a Working Group/Science Coordination Group sponsored workshop in FY25 to review and discuss the technical findings.**



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Second Periodic CERP Update: Background Information



As defined in the CERP Programmatic Regulations (§385.3 Definitions), a periodic CERP update is an “*evaluation of the Plan that is conducted periodically using new or updated modeling that includes the latest scientific, technical, and planning information*” to understand whether the goals and purposes of the Plan are achieved.

A periodic CERP Update is not a reformulation or a modification of the authorized CERP.

CERP Goals & Objectives (USACE 1999),
Table 5.1: Goals And Objectives For The C&SF Restudy

Goals	Objectives
Enhance Ecological Values	Increase the total spatial extent of natural areas
	Improve habitat and functional quality
	Improve native plant and animal species abundance and diversity
Enhance Economic Values and Social Well Being	Increase availability of fresh water (agricultural/municipal and industrial)
	Reduce flood damages (agricultural/urban)
	Provide recreational and navigational opportunities
	Protect cultural and archeological resources and values

CERP Purpose:

“ The purpose of the Restudy is to reexamine the C&SF Project to determine the feasibility of structural and operational modifications to the project essential to the restoration of the Everglades and south Florida ecosystem, while proving for other water related needs such as urban and agricultural water supply and flood protection in those areas served by the project.”

C&SF Restudy, USACE 1999, Section 1.2.1, page 1-7).

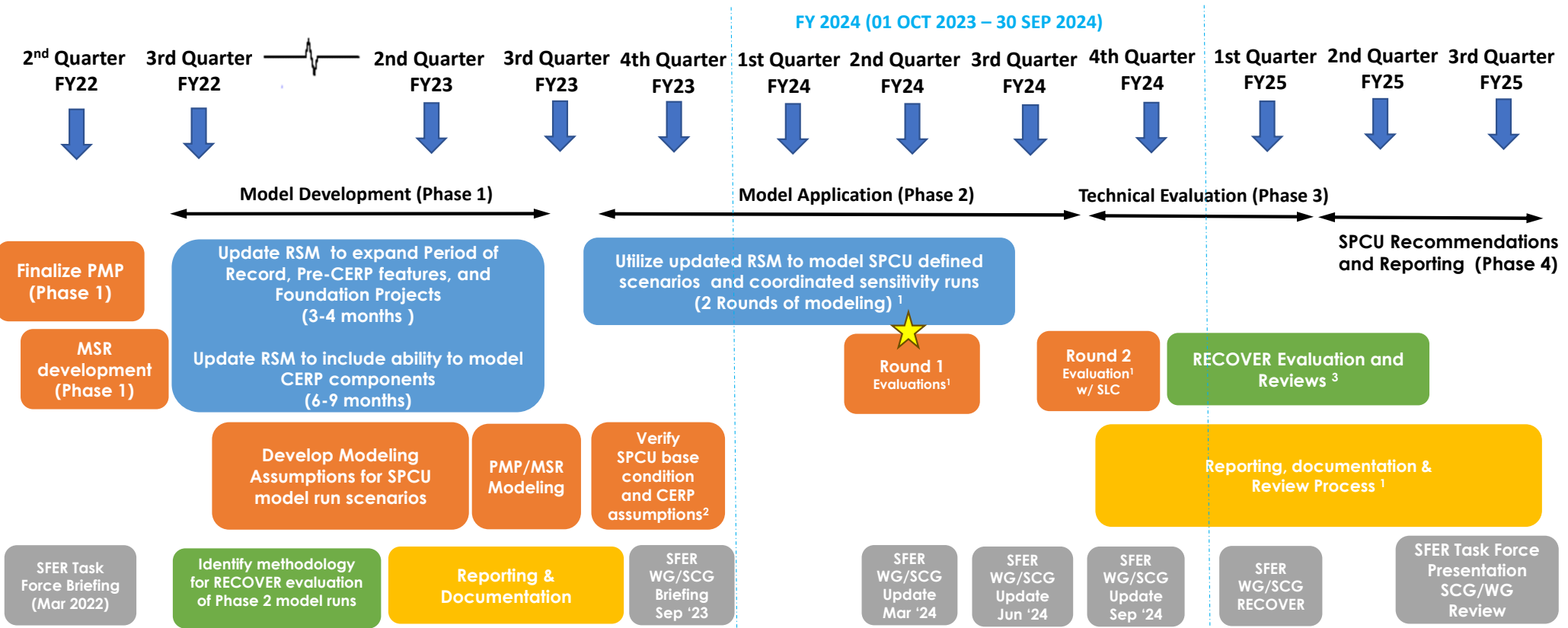


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SPCU Timeline

The CERP Update will evaluate (Ref. 33 CFR, 385.31 (c)) *The total quantity of water that is expected to be generated by implementation of the Plan, including the quantity expected to be generated for the natural system to attain restoration goals as well as the quantity expected to be generated for use in the human environment.*

- SFWM/USACE
- Modeling
- RECOVER
- SFER Task Force
- Documentation



¹ Task durations and schedules reflect SPCU team, IMC and RECOVER coordination, as of March 2024

² Task Continued from Phase 1 PMP/MSR

³ RECOVER is still evaluating this schedule to coincide with other work products.



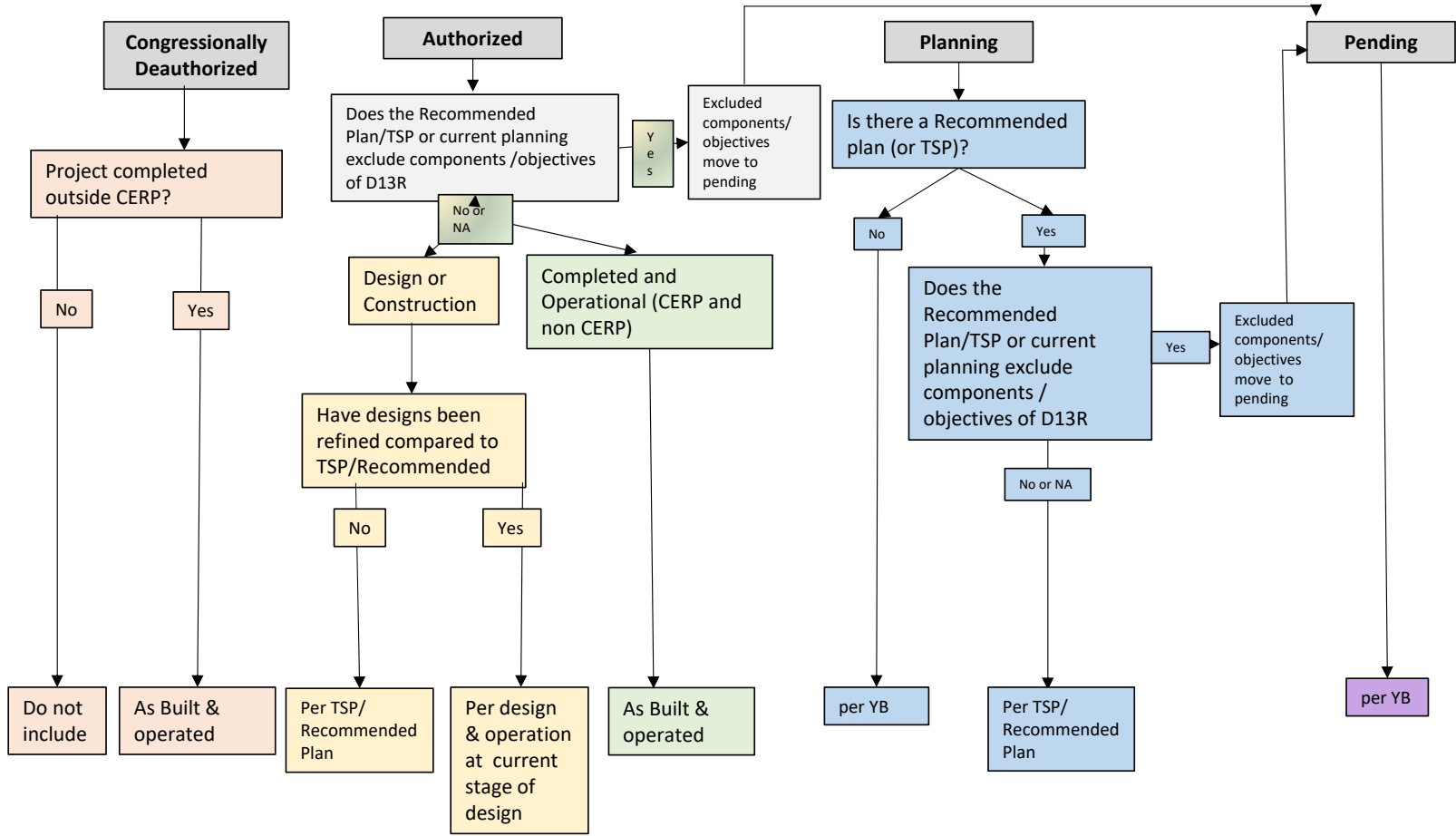
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SPCU Evaluation Process for Model Scenarios



Status of component/project/ops plan

Model Decision





SPCU: STATUS AND NEXT STEPS



- **Status:**

- ▶ **Model results from Round 1 provided by IMC the week of 11 Mar 2024.**
- ▶ **RSM scenarios include Future without CERP, the Future with CERP, and a Sensitivity Run.**

- **What's Next:**

- ▶ **USACE & SFWMD - Evaluate Round 1 without sea level change represented**
- ▶ **USACE & SFWMD - Conduct Round 2 with sea level change conditions**
- ▶ **WG/SCG Sponsored Workshop to evaluate SPCU modeling**
- ▶ **RECOVER evaluation and comments**



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM PROJECT-LEVEL ACTIVITIES

Today's Project Highlights:

- Picayune Strand Restoration Project

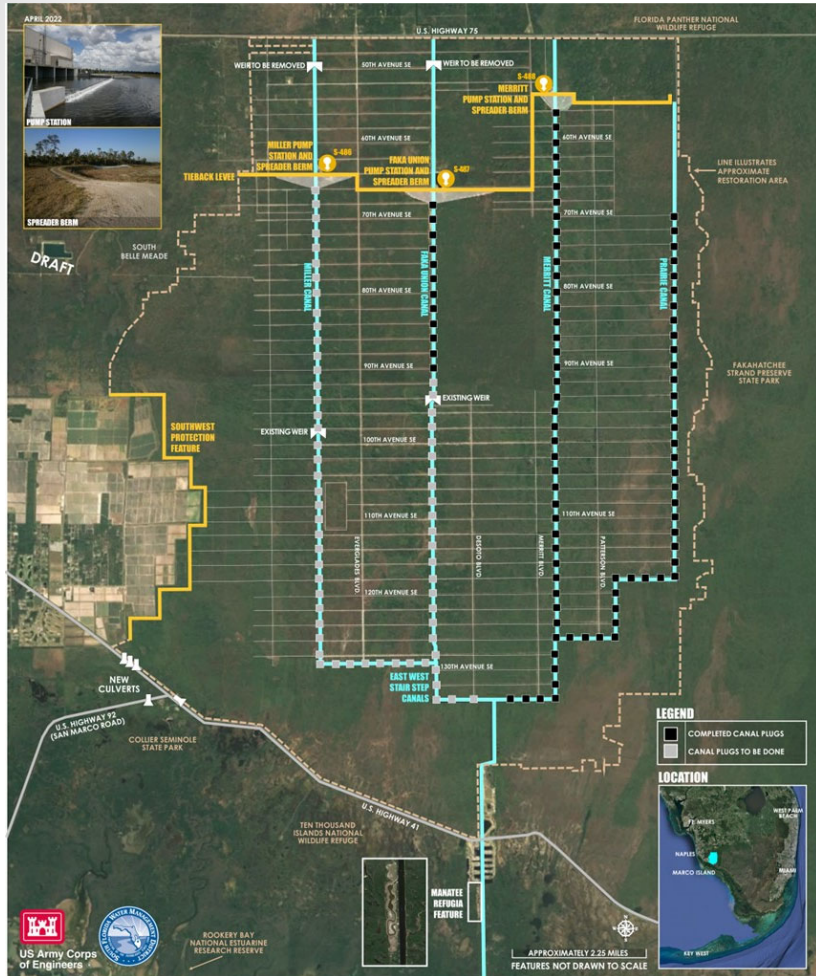




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SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | DESIGN AND CONSTRUCTION

PICAYUNE STRAND RESTORATION PROJECT



BLUF:

- Show PSRP implementation and achievements to date.
- Highlight potential improvements to coastal estuaries and the Ten Thousand Islands National Preserve.

PROJECT PURPOSE:

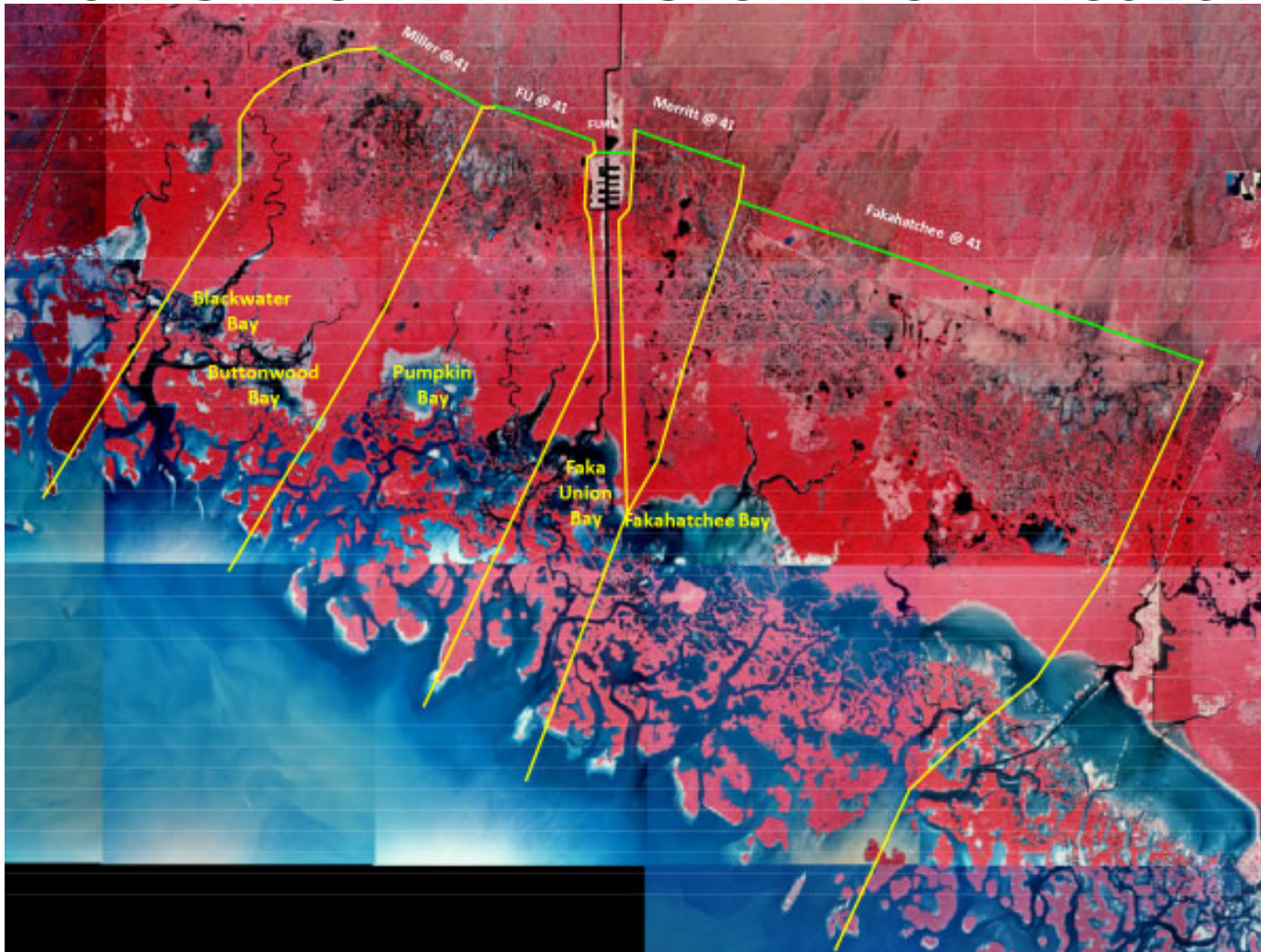
- To restore and enhance the wetlands in Golden Gate Estates and adjacent public lands by reducing over-drainage.
- Improve the water quality of coastal estuaries by moderating the large salinity fluctuations caused by freshwater point discharge of the Faka Union Canal.

CONSTRUCTION UNDERWAY:

- Clearing and Plugging the remainder of the Faka Union Canal (~5-miles) and all of Miller Canal (~12-miles)
- Levee construction will provide flood control to the neighboring agricultural area to the west of PSRP
- Conveyance features (culverts) will be put in place to allow the restoration flows to pass through US-41 and CR-92



PICAYUNE STRAND RESTORATION PROJECT





PICAYUNE STRAND RESTORATION PROJECT



COMPLETED CONSTRUCTION

- Plugging of Merritt and Prairie Canals
- Clearing of vegetation along all Canals
- Construction of 3 pump stations and spreader basins
- Manatee Refugia



FUTURE WORK TO BE DONE

- 2024: Finish conveyance features
- 2024: Finish plugging Faka Union Canal, constructing the Levee, degrading the roads
- 2025: Plug Miller Canal
- Monitoring





We're Hiring!



JOIN THE JACKSONVILLE DISTRICT TEAM

SEEKING TO FILL MULTIPLE POSITIONS !

Biologists, Physical Scientists, Program Analysts, Engineers,
Geologists, Hydrologists, Administrative and many more.

Submit Resumes To: HRJAX@USACE.ARMY.MIL



Scan the QR code for job information
or visit

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**SOUTH FLORIDA
ECOSYSTEM RESTORATION PROGRAM**
PROJECT-LEVEL ACTIVITIES

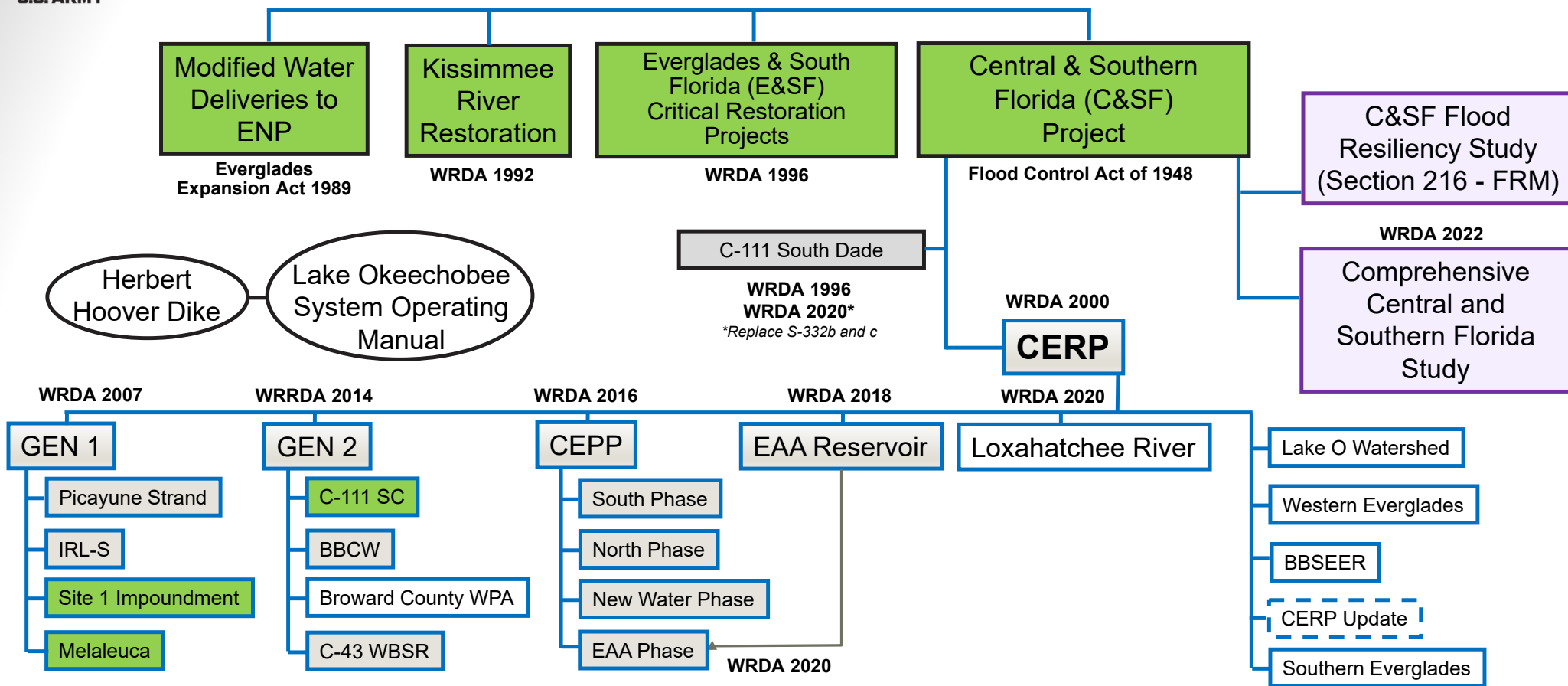
Supplemental Slides





SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS

PROGRAM STRUCTURE



3/13/2024

 CONSTRUCTION ONGOING
 CONSTRUCTION COMPLETE, IN OPERATIONS
 FOUNDATION PROJECTS
 Non CERP INVESTIGATIONS

CERP: Comprehensive Everglades Restoration Plan
 GEN: Generation; linked to Authorization
 CEPP: Central Everglades Planning Project Legislation Dates = Original Authorization Date



SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS FY24 EXECUTION FOCUS



 FEASIBILITY  VALIDATION/PACR/OTHER  JOINT OR SFWMD-LED CONSTRUCTION

■ Program-level Activities

- ▶ National Academies of Science Review (CISRERP)
- ▶ Interagency Modeling Center (IMC)
- ▶ Integrated Delivery Schedule (IDS)
- ▶ RECOVER (Restoration, Coordination, VERification)
- ▶ Adaptive Assessment and Monitoring
- ▶ CERP Update

■ Planning

- ▶ Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)
- ▶ Lake Okeechobee Watershed Restoration Project (LOWRP)
- ▶ Western Everglades Restoration Project (WERP)
- ▶ Indian River Lagoon – South (IRL-S)
- ▶ Central Everglades Planning Project (CEPP)
- ▶ C&SF Flood Resiliency (Section 216) Study
- ▶ Lake Okeechobee Component A Reservoir (LOCAR)

■ Design and Construction

- ▶ C-111 South Dade (C-111SD)
- ▶ Picayune Strand Restoration (PSRP)
- ▶ Indian River Lagoon – South (IRL-S)
- ▶ Biscayne Bay Coastal Wetlands (BBCW)
- ▶ Central Everglades Planning Project (CEPP)
- ▶ Broward County Water Preserve Areas (BCWPA)
- ▶ C-43 West Basin Storage Reservoir
- ▶ Loxahatchee River Watershed Restoration Project (LRWRP)

■ Water Management and Operations and Maintenance

- ▶ Kissimmee River Restoration (KRR)
- ▶ Indian River Lagoon – South (IRL-S)
- ▶ Modified Water Deliveries, Combined Operational Plan (COP)
- ▶ Lake Okeechobee System Operating Manual (LOSOM)
- ▶ Central Everglades Planning Project Operational Plan – CEPP 1.0
- ▶ Central Everglades Planning Project Operational Plan – A-2 STA
- ▶ C-43/C-44 Reservoirs Operational Plan
- ▶ Operations, Maintenance, Repair, Replacement and Rehabilitation (OMRR&R)



SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCY PROGRAMS PLANNING

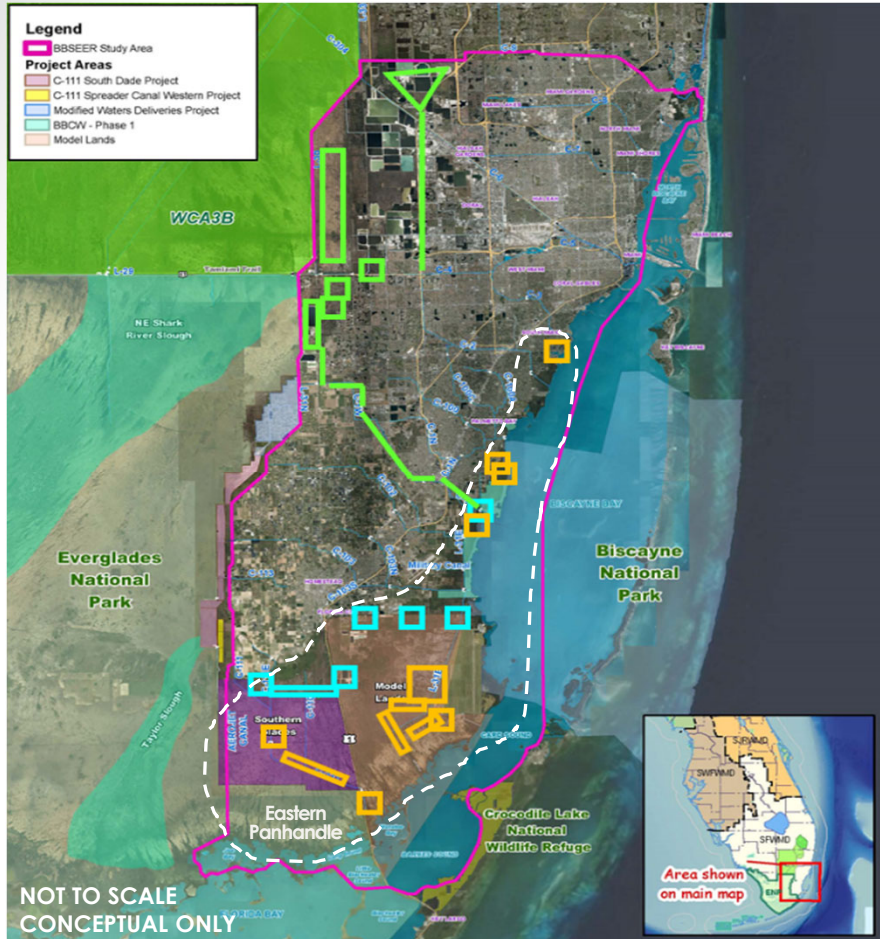
Today's Highlights:

- Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)
- Lake Okeechobee Watershed Restoration Project (LOWRP)
- Western Everglades Restoration Project (WERP)
- C&SF Flood Resiliency (Section 216) Study
- Comprehensive C&SF Study



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SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS | PLANNING BISCAYNE BAY AND SOUTHEASTERN EVERGLADES ECOSYSTEM RESTORATION (BBSEER)



STUDY OBJECTIVES:

- Improve quantity, timing and distribution of freshwater to **estuarine and nearshore subtidal areas**, including mangrove and seagrass areas
- Restore freshwater depths, hydroperiods, and flows for dry and wet seasons in **terrestrial wetlands**
- Restore **connectivity and habitat gradients** in areas compartmentalized by the C&SF system in the Southern Everglades, Model Lands, and Biscayne Bay Coastal Wetlands
- Increase and restore **ecological resilience** in coastal habitats in southeastern Miami Dade County

STATUS:

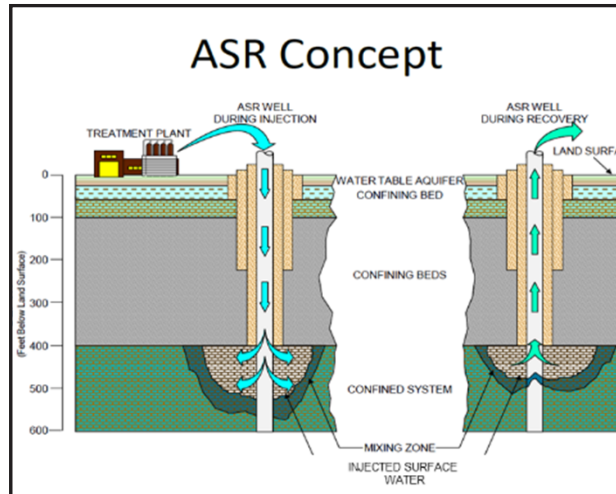
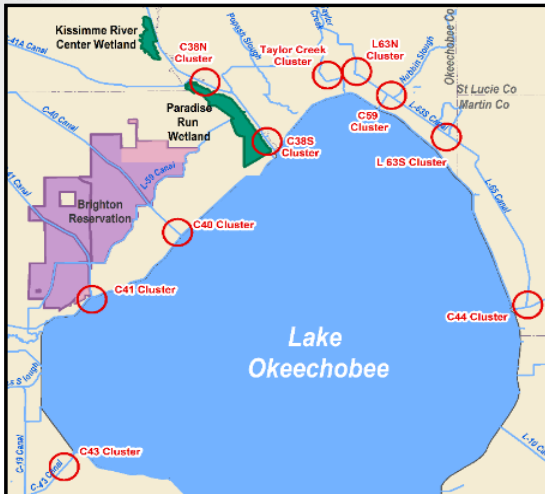
- Waiver requested for additional time and budget.
- Continued engagement with Project Delivery Team (PDT)
- Round 3 Alternatives Evaluation – Dec 2023 to April 2024
- Draft TSP Selection – Spring/Summer 2024



SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS | PLANNING LAKE OKEECHOBEE WATERSHED RESTORATION (LOWRP) PROJECT



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COMPONENTS:

○ Aquifer Storage and Recovery (ASR) Wells

WETLAND RESTORATION SITES

- Restore hydrology of isolated, riverine wetlands
- Paradise Run: ~ 4,700 acres
- Kissimmee River Center: ~ 1,200 acres
- Recreational facilities

STATUS:

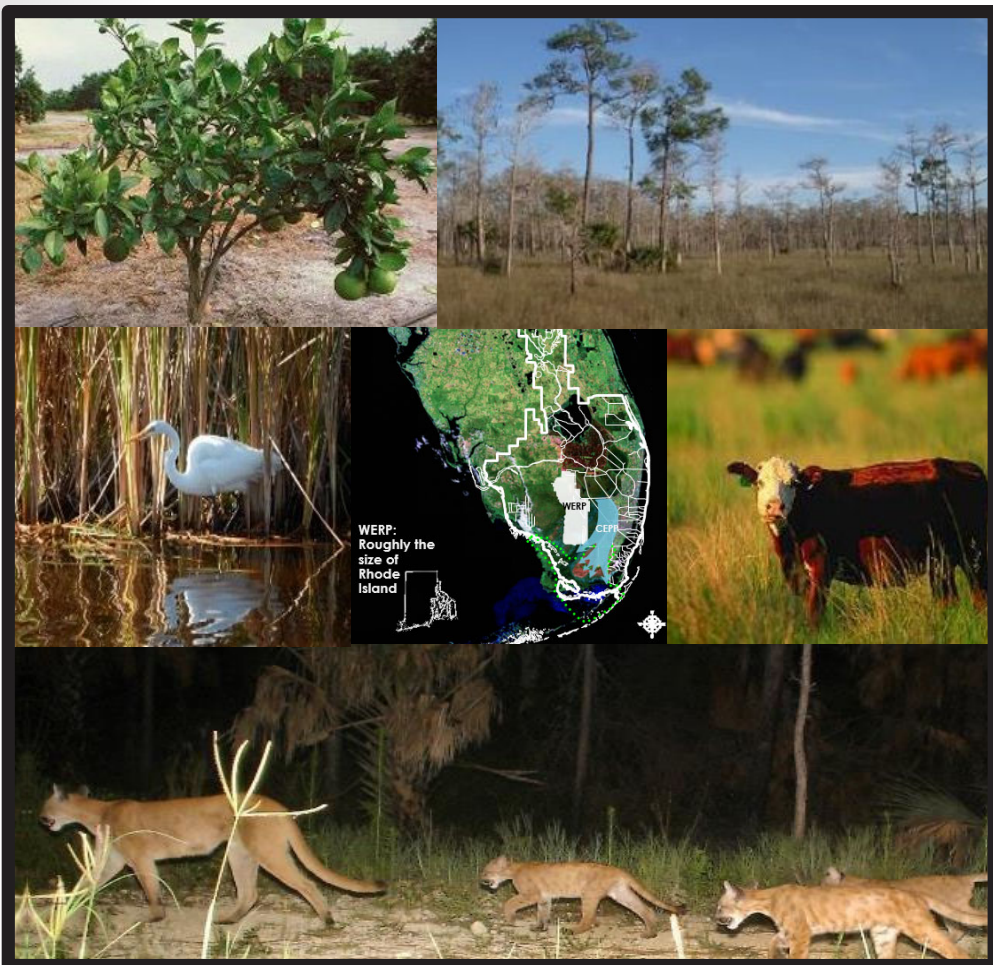
- Waiver Package for additional study time and budget under review
- First Report: LOWRP Wetlands Restoration Report – Target WRDA 2024
- Second Report: LOWRP ASR – Pending additional science from USACE Engineering and Research Development Center (ERDC)





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SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS | PLANNING WESTERN EVERGLADES RESTORATION PROJECT (WERP)



WERP STUDY OBJECTIVES:

- Restore freshwater flow paths, flow volumes and timing, seasonal hydroperiods, and historic distributions of sheetflow to reestablish ecological connectivity and ecological resilience of the historic wetland/upland mosaic
- Restore water levels to reduce wildfires associated with altered hydrology, which damage the underlying geomorphology and associated ecological conditions of the western Everglades
- Restore aquatic low nutrient (oligotrophic) conditions to reestablish and sustain native flora and fauna

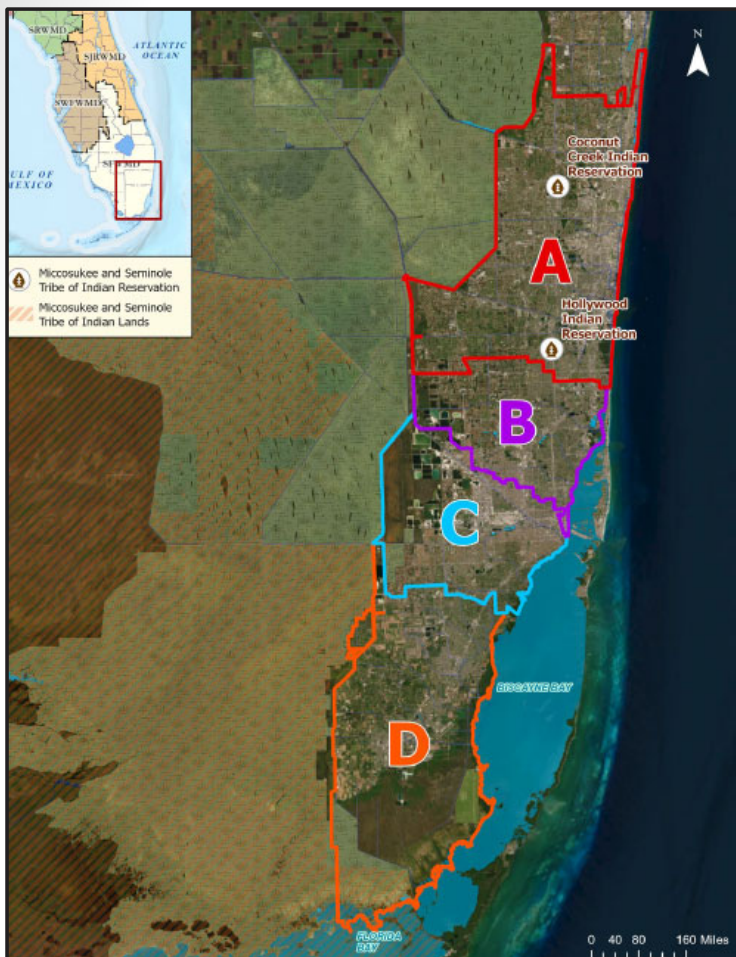
STATUS: Targeting WRDA24

- Completed release Draft PIR/EIS Report for Public Review, held PDT & Open House Meetings - December 2023
- Completed NEPA Review Meeting - January 2024
- Received Public Comments - January 29, 2024, Finalizing Reports
- Complete Final Report - June 2024
- State and Agency Review - Aug 2024
- Chief's Report signed - September 2024
- Project Authorization Target - WRDA 2024



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SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS | PLANNING C&SF FLOOD RESILIENCY (SECTION 216) STUDY



STUDY OBJECTIVES:

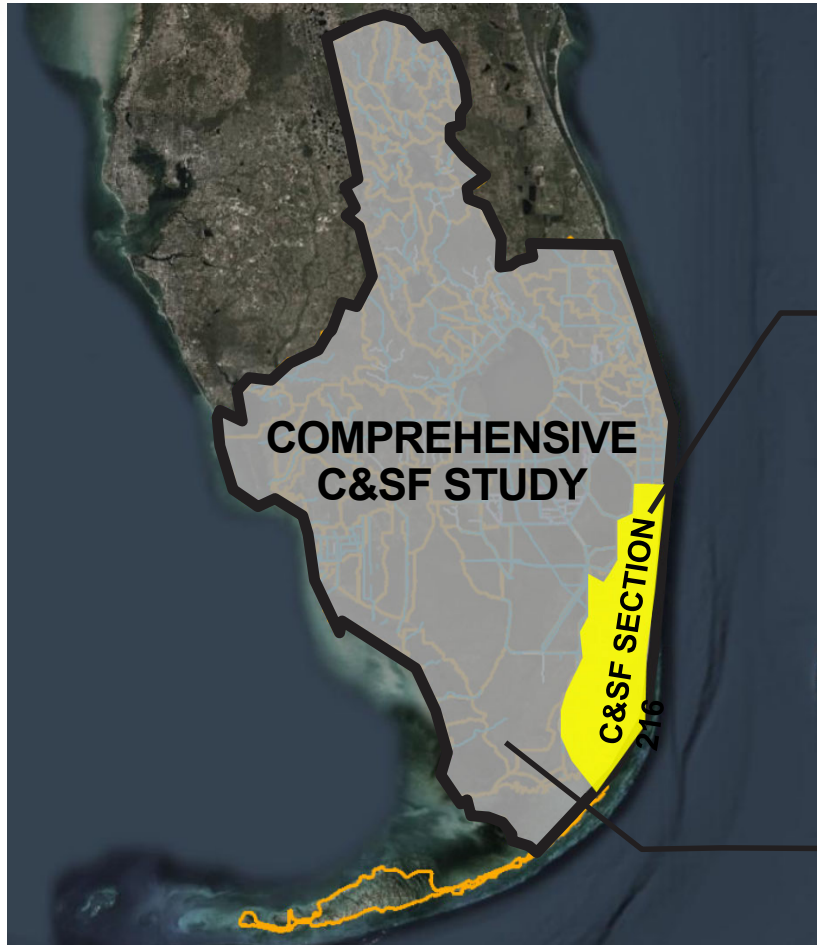
- **Reduce flood risks and damages** in Palm Beach, Broward, and Miami-Dade counties resulting from the combination of rainfall runoff, storm surge, high tide and/or high-water table to residences, businesses, and critical infrastructure
- **Reduce potential life safety risk** in Palm Beach, Broward, and Miami-Dade counties due to flooding, resulting from the combination of rainfall runoff, storm surge, high tides and/or water table

STATUS: Ongoing plan formulation, modeling and engagement with stakeholders

- Four (4) planning focus areas were identified for the study:
 - Reach A:** Broward and Hillsboro Basins
 - Reach B:** Little River and Nearby Basins
 - Reach C:** Miami River and Nearby Basins
 - Reach D:** South Miami Basins
- July 2023 - Recommended study scope to focus on enhancing the capacity of vulnerable coastal water/salinity control structures and adjacent primary canals
- Aug 2023 - Study schedule 4-years and budget of \$11.3M; study target completion for WRDA 2026 – Under USACE review
- Jan 2024 request for additional time and resourcing for additional investigations to better inform planning level design and costs
- 7-8 March 2024 PDT & Public Workshop held; summary of the performance metrics, listen to feedback on metrics integration in project & feedback on current modeling data



SOUTH FLORIDA ECOSYSTEM RESTORATION AND C&SF RESILIENCE PROGRAMS | PLANNING C&SF FLOOD RESILIENCE PROGRAM



Section 216

Status: Ongoing

C&SF Flood Resiliency Study

- Focus: Coastal salinity structures for flood resilience
- 4 Planning Reaches / 3 Counties
- Many municipalities
- > 5 million population
- > 1,100 square miles

WRDA22, SECTION 8214

Status: Pending

COMPREHENSIVE C&SF STUDY

- Multipurpose project focus on short-term and long-term solutions for community resiliency
- Focus: Flood Risk Management; Water Supply; Ecosystem Restoration; Saltwater Intrusion; Recreation
- 18 counties, inland and coastal areas
- ~9 million population
- ~18,000 square miles
- Multiple federal projects including CERP



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SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM DESIGN AND CONSTRUCTION

Today's Highlights:

- Picayune Strand Restoration (PSRP)
- Indian River Lagoon – South (IRL-S)
- Biscayne Bay Coastal Wetlands (BBCW)
- Central Everglades Planning Project (CEPP)
- Broward County Water Preserve Areas (BCWPA)



PICAYUNE STRAND RESTORATION PROJECT



Levee Construction – Southwest Protection Feature December 2023

The project will restore 55,000 acres of native Florida wetlands and uplands.

TOTAL PROJECT BENEFITS:

- Conveyance of water will restore natural habitat
- Three pump stations: Merritt, Faka Union, and Miller
- Plugging 48 miles of canals and removing/degrading 260 miles of roads

UNDER CONSTRUCTION:

- Southwest Conveyance Feature
- Southwest Protection Feature
- Miller Canal Clearing



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SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | DESIGN AND CONSTRUCTION

INDIAN RIVER LAGOON – SOUTH PROJECT



C-23/C-24 Stormwater Treatment Area, January 2024

The Indian River Lagoon and St. Lucie Estuary are two of the country's most productive and most threatened estuaries; the project will reconnect and restore natural areas in the headwaters and improve water flow to the river.

IN DESIGN:

- C-23/C-24 North Reservoir: Final design being completed, construction contract advertisement summer FY24, anticipated award of the first increment of the C-23/24 North Reservoir in FY24
- S-425 Sag Culvert, S-426 Pump Station Afterbay, Reservoir Embankment: Design underway, anticipated completion FY25

UNDER CONSTRUCTION:

- C-23/C-24 Stormwater Treatment Area



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SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | DESIGN AND CONSTRUCTION

BISCAYNE BAY COASTAL WETLANDS



S-711 Pump Station, December 2023

The project will restore the natural pattern of freshwater inflows to Biscayne Bay.

TOTAL PROJECT BENEFITS:

Conveyance and distribution of flows to rehydrate coastal wetlands, reduce point source discharges, and redistribute surface water; improve the ecology of Biscayne Bay

UNDER CONSTRUCTION:

- Pump stations S-703, S-710, S-711 and C-711
Seepage canal
- Pump station S-709, S-705 completed final inspection and endurance testing



CENTRAL EVERGLADES PLANNING PROJECT



Everglades Agricultural Area (EAA) Reservoir - Foundation Preparation and Cutoff Wall, February 2024

The Central Everglades Planning Project (CEPP) increases storage, treatment and conveyance of water south of Lake Okeechobee; removing canals and levees within the central Everglades and retaining water within Everglades National Park.

STATUS:

CEPP - South

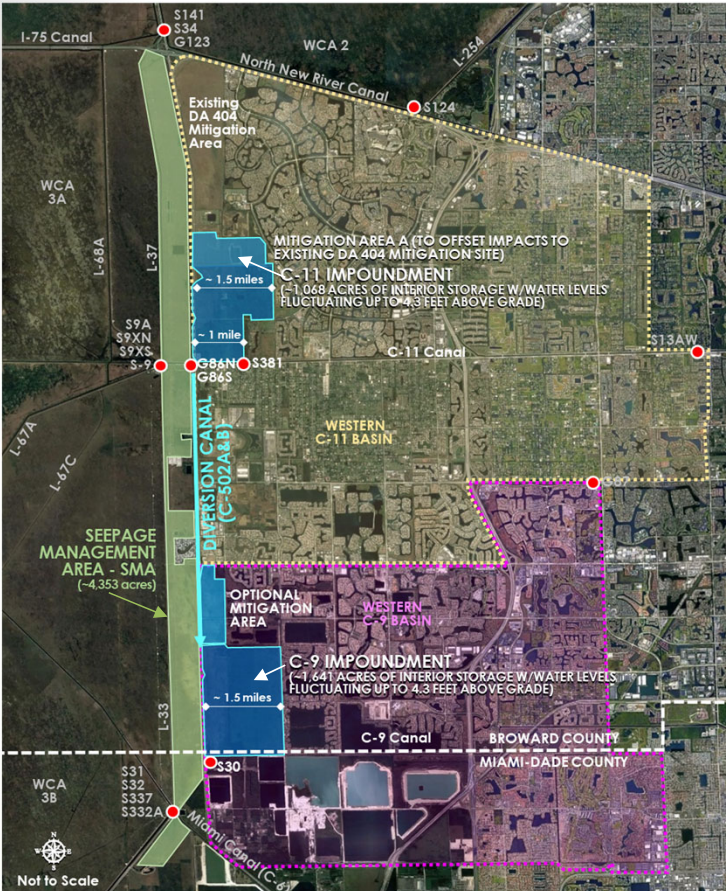
- L-67A structures, under construction
- Gated Spillway S-355W: final design complete; procurement process underway; anticipated contract award in FY24
- Pump Station S-356: final design complete; procurement process underway; anticipated contract award in FY24

CEPP - EAA

- Seepage and Inflow/Outflow Canal under construction
- Reservoir Foundation and Cut-off Wall under construction
- Reservoir Embankment/Outlet Structure/Spillway construction contract was advertised February 2024; anticipated contract award Q4 FY24



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | DESIGN AND CONSTRUCTION BROWARD COUNTY WATER PRESERVE AREAS | C-11 IMPOUNDMENT



PURPOSE:

- Reduce runoff from developed areas in western Broward County into Water Conservation Area 3 (WCA 3) which flows to the Everglades National Park
- C-11 Impoundment is key to full operation of CEPP South
- Reduce seepage of water out of the Everglades to developed areas in western Broward County
- The project will improve fish and wildlife habitat including that of 5 federally-listed species
- 563,000 acres in WCA 3 and 200,000 acres in the greater Everglades will benefit from project implementation

FEATURES:

- Final Design of C-11 Impoundment being completed; anticipate award of first increment of construction of C-11 feature in FY24



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM OPERATIONS

Today's Highlights:

- Indian River Lagoon – South (IRL-S)
- Lake Okeechobee System Operating Manual (LOSOM)
- Combined Operational Plan (COP)
- Central Everglades Planning Project (CEPP) Operational Plan



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | OPERATIONS INDIAN RIVER LAGOON - SOUTH



C-44 Reservoir

C-44 RESERVOIR STATUS

- Operational monitoring and testing period, extended
- **In use:** Operating up to 10-feet; target is a 15-foot holding pool
- Current operations in accordance with Preliminary Project Operating Manual
- Design of seepage management feature underway for southwest external corner of reservoir
- Overall conditions remain normal with no dam safety concerns



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | OPERATIONS



LOSOM SCHEDULE OVERVIEW THROUGH THE RECORD OF DECISION (ROD)



ACTIVITIES

- Draft NEPA documentation of the effects of the alternatives and how the preferred alternative was chosen
- Draft water control plan (WCP) documentation including regulation schedule and operational guidance
- Endangered Species Act (ESA) consultation initiated, and Biological Assessments (BA) transmitted

February – July 2022
COMPLETE

- NEPA public, agency, and tribal review and comment on the Draft LOSOM Environmental Impact Statement (EIS) and Water Control Plan
- Corps Agency Technical Review (ATR) and Independent External Peer Review (IEPR)
- Draft Fish and Wildlife Service (FWS) Biological Opinion (BO)

July - September 2022
COMPLETE

- Final EIS and System Operating Manual (SOM) completed to address review comments (January 2023)
- Final FWS Biological Opinion (BO) (COMPLETE)
- IEPR Completion, ATR Certification, South Atlantic Division (SAD) Review (September 2022– March 2023)
- Final National Marine Fisheries Service (NMFS) BO (September 29, 2023)

Remaining Activities

- NMFS Consultation ongoing
- NEPA public, agency, and tribal review of Final EIS and SOM
- Corps SAD review and approval of Record of Decision (ROD)

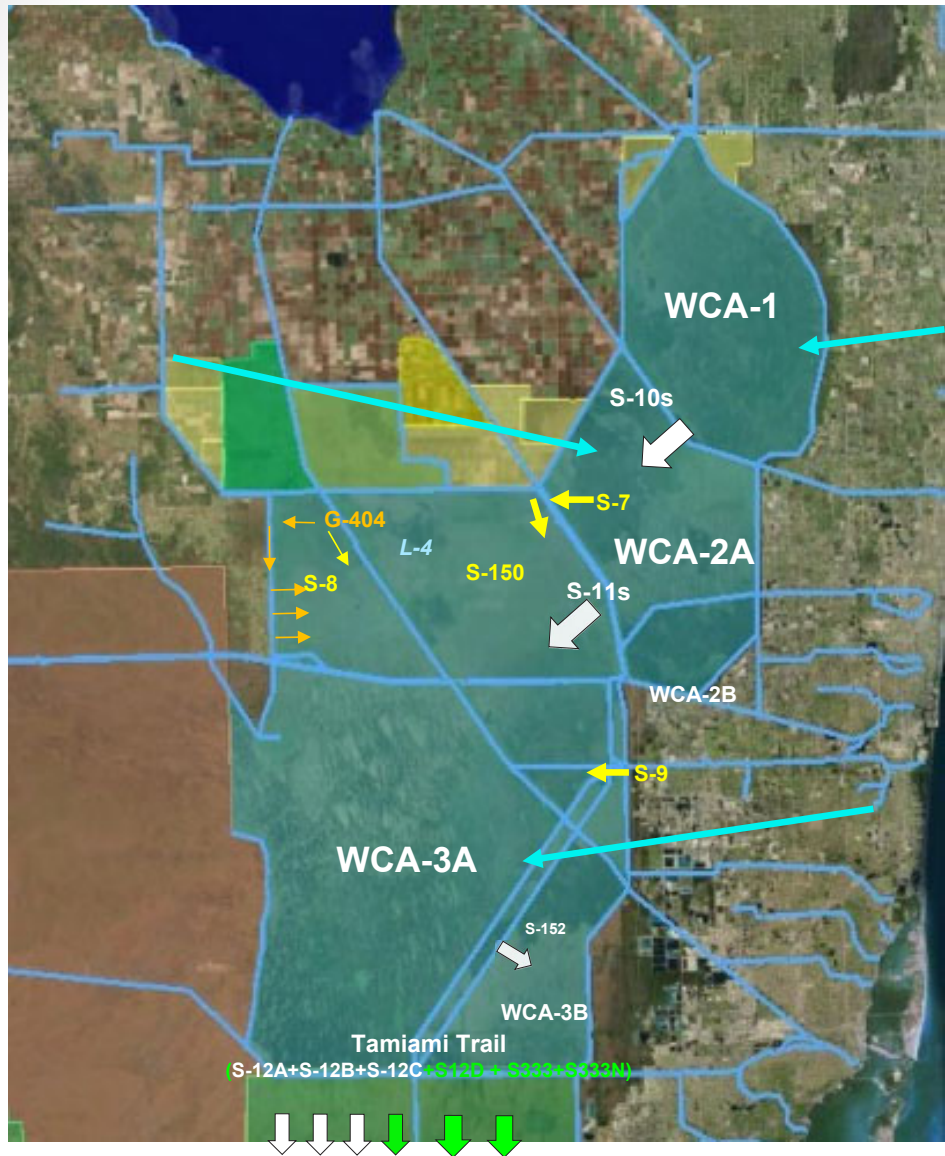
DOCUMENTATION PROCESS



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM OPERATIONS COMBINED OPERATIONAL PLAN

Water Conservation Areas (WCAs), South Dade Conveyance System and Everglades National Park

- Deliver Tamiami Trail Flow Formula target flow –maximum
- Temporary deviation implemented





SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM OPERATIONS COMBINED OPERATIONAL PLAN



WATER DELIVERIES (AC-FT) ACROSS TAMiami TRAIL (S-12s + S-333 + S-333N + S-356 - S-334)

	Jan	Feb	Mar*	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Min. Del. Thru S-12s (PL 91-282 June 1970)	22,000	9,000	4,000	1,700	1,700	5,000	7,400	12,200	39,000	67,000	59,000	32,000	260,000
2012	32,700	13,300	5,900	700	25,600	44,900	71,500	87,000	115,000	177,900	123,900	105,600	804,000
2013	40,200	14,600	3,900	700	47,900	63,800	112,600	149,300	133,800	122,700	88,000	40,800	818,300
2014	6,400	43,000	55,200	600	100	12,300	61,700	75,500	101,600	100,500	91,200	23,700	571,800
2015	13,100	15,100	8,900	0	0	0	0	0	14,500	122,500	56,700	108,900	339,700
2016	108,500	180,800	203,100	127,400	61,600	44,300	66,900	79,400	110,700	120,100	76,100	8,000	1,186,900
2017	2,900	5,300	1,400	400	200	109,700	191,400	183,200	240,700	323,400	253,800	196,800	1,509,200
2018	97,000	37,400	3,100	900	31,100	105,700	149,300	157,500	163,100	127,100	1,400	900	874,500
2019	1,000	21,100	27,900	16,300	24,700	53,600	104,000	127,200	147,600	109,400	25,800	100	658,700
2020	160	250	360	410	9,700	113,600	181,700	198,900	159,600	181,200	360,800	366,300	1,572,980
2021	233,860	140,070	120,630	70,970	23,000	31,200	70,600	100,700	116,600	186,400	150,032	145,993	1,390,055
2022	119,286	85,296	68,924	26,614	8,453	91,964	166,719	135,833	105,547	208,375	173,758	146,350	1,337,118
2023	115,477	79,869	54,672	51,472	63,929	98,634	145,097	158,969	172,580	196,770	147,163	157,341	1,441,973
2024	145,817	129,886											275,703

LEGEND
Minimum Water Delivery
IOP
ERTP
Increment 1
2016 Emergency Deviation
Increment 1.1/1.2
2017 Temporary Deviations
Increment 2
COP

Note: All data is provisional.

*The latest monthly value may include an Incomplete Monthly Period of Record



SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | OPERATIONS

CENTRAL EVERGLADES PLANNING PROJECT

OPERATIONAL PLAN (INCREMENTAL)



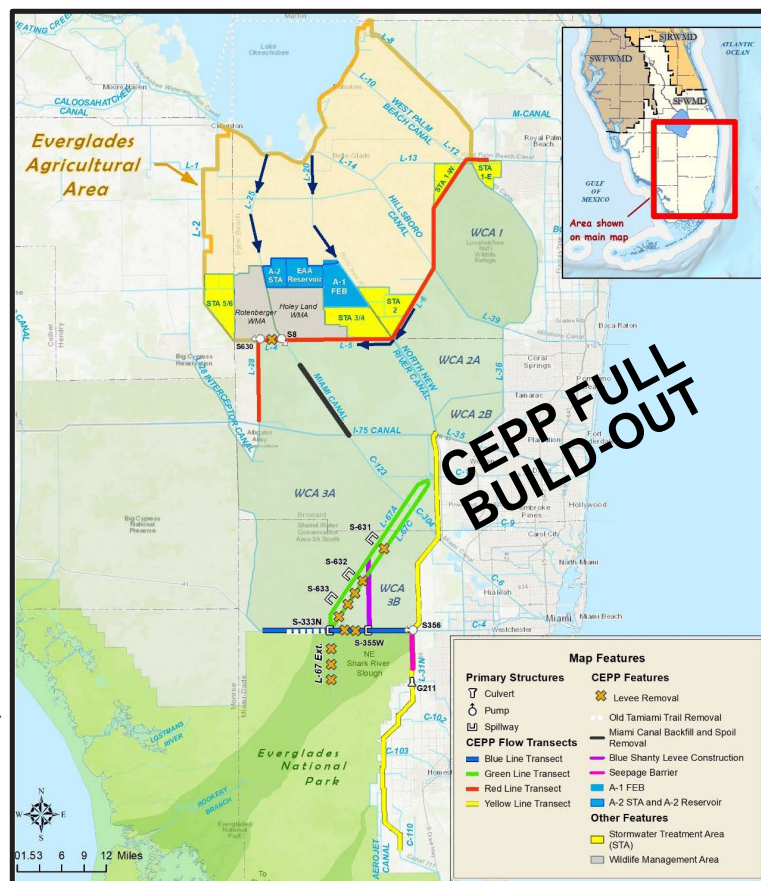
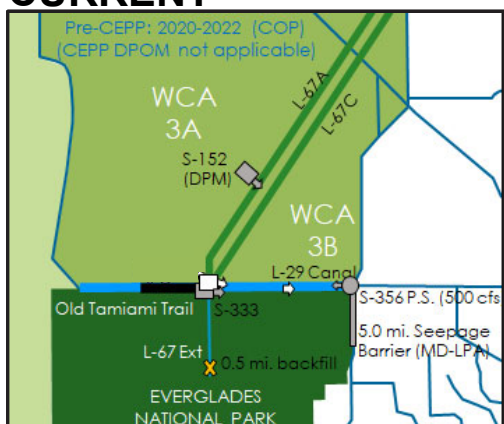
PROJECT PURPOSE:

- Redistribute Water Conservation Area 3A (WCA 3A) inflows to enhance flows into Everglades National Park (ENP).
- Make incremental changes to the Combined Operations Plan (COP) to include Central Everglades Restoration Projects (CERP) and non-CERP implementation.

STATUS:

- Public scoping meetings held in April 2023. Scoping period concluded May 2023. Project Delivery Team meeting held September 2023 focused on Pre-Formulation Informational Runs (Round 1 Modeling) and plan concepts.
- Formulation of Round 2 alternatives by PDT is ongoing.

CURRENT





SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM | OPERATIONS CENTRAL EVERGLADES PLANNING PROJECT OPERATIONAL PLAN (INCREMENTAL)



Increment 1 (~2025-2027)

Primary Rationale for updating operations in 2026

- Tamiami Trail Next Steps Phase 2 comes online in 2026
- New Lake Okeechobee Regulation Schedule (LOSOM)
- Lessons learned from COP implementation

Current Plan

Increment 2 (~2028-2030)

Primary Rationale for updating operations in 2028

- Blue Shanty Flowway and CEPP North features completed

Next Step:

- For Increment 1: Project delivery team to establish an array of operational plan alternatives

Increment 3 (~2030+)

Primary Rationale for updating operations in 2030+

- IDS projected completion of EAA Reservoir