

# U.S. ARMY CORPS OF ENGINEERS (USACE) COMPREHENSIVE EVERGLADES RESTORATION PLAN (CERP) 68 COMPONENTS OVERVIEW

Presented by: **Zulamet Vega-Liriano**

Planning Technical Lead, Watershed Planning Section

Planning Division, Jacksonville District, U.S. Army Corps of Engineers

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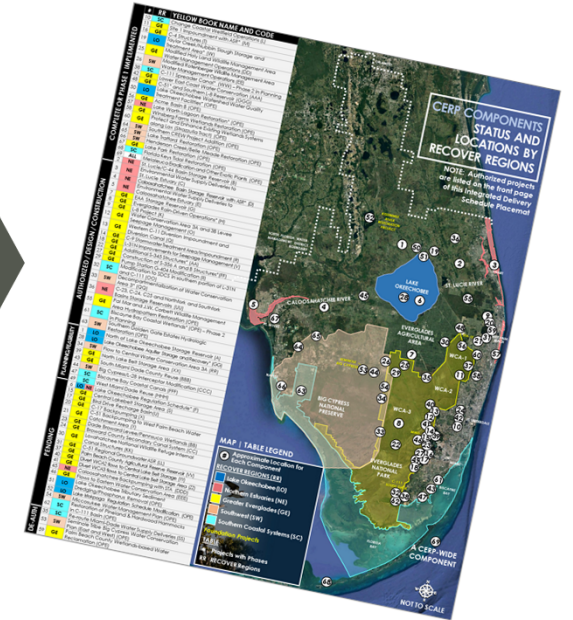
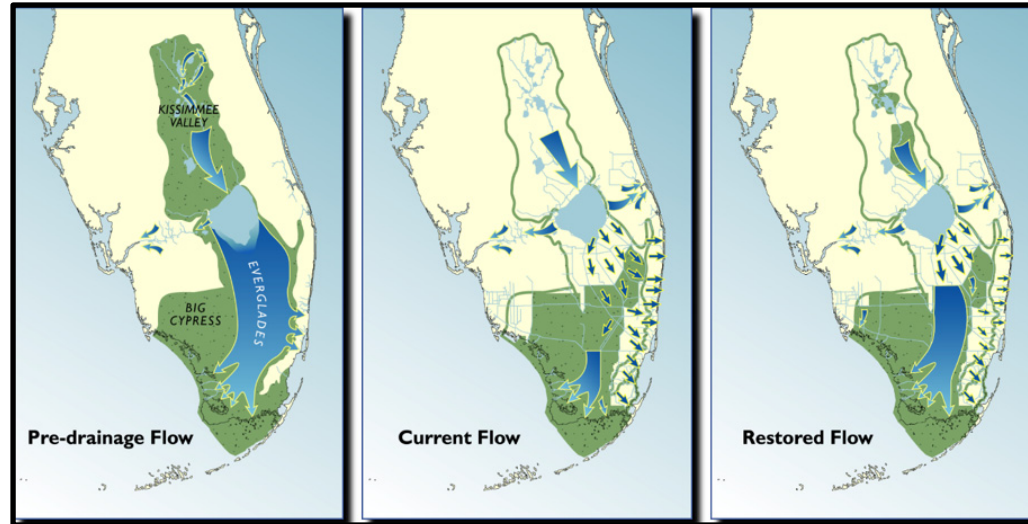
**US Army Corps  
of Engineers** ®

*"The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."*



# 68 COMPONENTS FACTS

To achieve the vision of Everglades restoration, changes to the Southern Florida (C&SF) System are needed – meaning features and water management operations.



- All CERP components are part of the **Restudy or "Yellow Book"** and are labeled as a letter (Component A) or as an Other Project Element (OPE).
- A component can be new or a modification to infrastructure, or an operational change to the C&SF.

- The CERP framework and first 10 CERP projects were authorized in the Water Resources Development Act (WRDA) 2000.
- Congress provides additional authorizations to start construction of one or more components in WRDAs. These authorizations are the mechanism in which **components** become Federal **projects**.

- Since WRDA 2000, several components have been authorized for construction, completed, or implemented.
- A status is summarized in several documents (e.g., South Florida Water Management District (SFWMD) **South Florida Environmental Report (SFER)**, and the **Integrated Delivery Schedule (IDS)**).



# WHERE CAN I FIND THE COMPONENTS IN THE IDS?



## 2022 IDS PLACEMAT

### INTEGRATED DELIVERY SCHEDULE 2022 UPDATE

**SOUTH FLORIDA ECOSYSTEM RESTORATION** | **CENTRAL AND SOUTHERN FLORIDA COMPREHENSIVE EVERGLADES RESTORATION PLAN**

The Comprehensive Everglades Restoration Plan (CERP) is the largest water project ever authorized by Congress. It is designed to restore the natural water flow to the Everglades, a vast wetland ecosystem that has been largely lost to agriculture and urban development. The plan includes a series of water control structures, canals, and levees that will allow water to flow through the Everglades again, restoring the natural water cycle and the ecosystem that depends on it.

**THE RESTORATION FRAMEWORK OPERATIONS IN SYNC WITH PROJECT DELIVERY**

Restoration activities including operational components recommended in the CERP are within the context of the CERP project delivery. The CERP Project Delivery (PD) is a series of phases that include: 1. Planning and Design, 2. Construction, 3. Operation and Maintenance, and 4. Decommissioning. The CERP Project Delivery (PD) is a series of phases that include: 1. Planning and Design, 2. Construction, 3. Operation and Maintenance, and 4. Decommissioning.

**EXPANDING THE RECOVER FOOTPRINT**

The Comprehensive Everglades Restoration Plan (CERP) is a multi-billion dollar project designed to restore the natural water flow to the Everglades, a vast wetland ecosystem that has been largely lost to agriculture and urban development. The plan includes a series of water control structures, canals, and levees that will allow water to flow through the Everglades again, restoring the natural water cycle and the ecosystem that depends on it.

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### 2022 IDS PLACEMAT

**COMPLETE OR PHASE 1 IMPLEMENTED**

#	RR	YELLOW BOOK NAME AND CODE
10	SC	Change Coastal Wellfield Operations (L)
11	GE	Site 1 Impoundment with ASR* (M)
16	GE	C-4 Structures (T)
19	LO	Taylor Creek/Nubbin Slough Storage and Treatment Area* (W)
25	GE	Modified Holy Land Wildlife Management Area Water Management Operations (DD)
26	GE	Modified Rotenberger Wildlife Management Area Water Management Operations (EE)
38	SC	C-111 Spreader Canal* (WW) – Phase 2 in Planning
42	GE	Lower East Coast Water Conservation (AAA)
48	GE	C-51* and Southern L-8 Reservoir (GGG)
50	LO	Lake Okeechobee Watershed Water Quality Treatment Facilities* (OPE)
56	GE	Acme Basin B (OPE)
57	NE	Lake Worth Lagoon Restoration* (OPE)
58	GE	Winsberg Farms Wetlands Restoration (OPE)
60	GE	Protect and Enhance Existing Wetlands Systems along Lox (Strazzulla Tract) (OPE)
64	GE	Southern CREW Project Addition (OPE)
65	GE	Lake Trafford Restoration (OPE)
66	GE	Henderson Creek/Belle Meade Restoration (OPE)
67	GE	Lake Park Restoration (OPE)
68	SC	Florida Keys Tidal Restoration (OPE)
69	ALL	Melaleuca Eradication and Other Exotic Plants (OPE)
2	NE	St. Lucie/C-44 Basin Storage Reservoir (B)
3	NE	Environmental Water Supply Deliveries to St. Lucie Estuary (C)
4	NE	Caloosahatchee Basin Storage Reservoir with ASR* (D)
5	NE	Environmental Water Supply Deliveries to Caloosahatchee Estuary (E)
6	GE	EAA Storage Reservoir (G)
8	GE	Everglades Rain-Driven Operations* (H)
9	GE	L-8 Project (K)

**EXAMPLE**

Reference: 2022 Integrated Delivery Schedule (IDS)



# COMPONENT VS. PROJECT



## CENTRAL EVERGLADES RESTORATION PROJECT (CEPP)

Authorized: WRDA 2016, 2018 and 2020

### CERP Components (9):

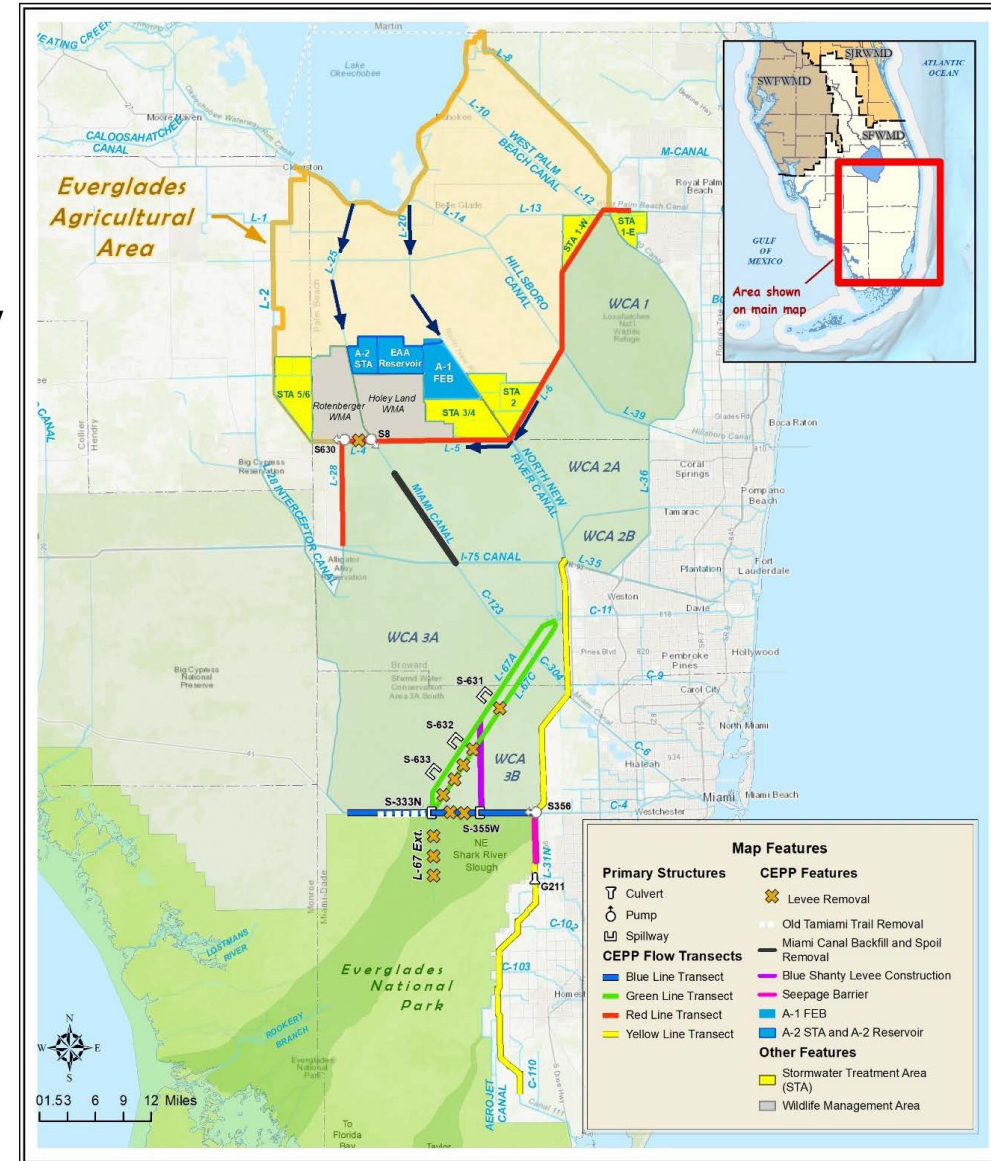
1. **Component C:** Environmental Water Supply Deliveries to St. Lucie Estuary
2. **Component E:** Environmental Water Supply Deliveries to Caloosahatchee Estuary
3. **Component G:** Everglades Agricultural Area (EAA) Storage Reservoir
4. **Component H:** Everglades Rain-Driven Operations
5. **Component V:** L-31N Improvements for Seepage Management
6. **Component AA:** Additional S-345 Structures
7. **Component FF:** Construction of S-356 A & B Structures
8. **Component II:** Pump Station G-404 Modification
9. **Component QQ:** Decompartmentalization of Water Conservation Area 3



### Did you know?

The IDS Placemat recognizes both projects and components. Check it out!

PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT
P14	Central Everglades Planning Project	AA, FF, H, QQ P1, G
	Decomp Physical Model (work performed under Master Design Agreement)	QQ





# 2022 SFWMD SOUTH FLORIDA ENVIRONMENTAL REPORT



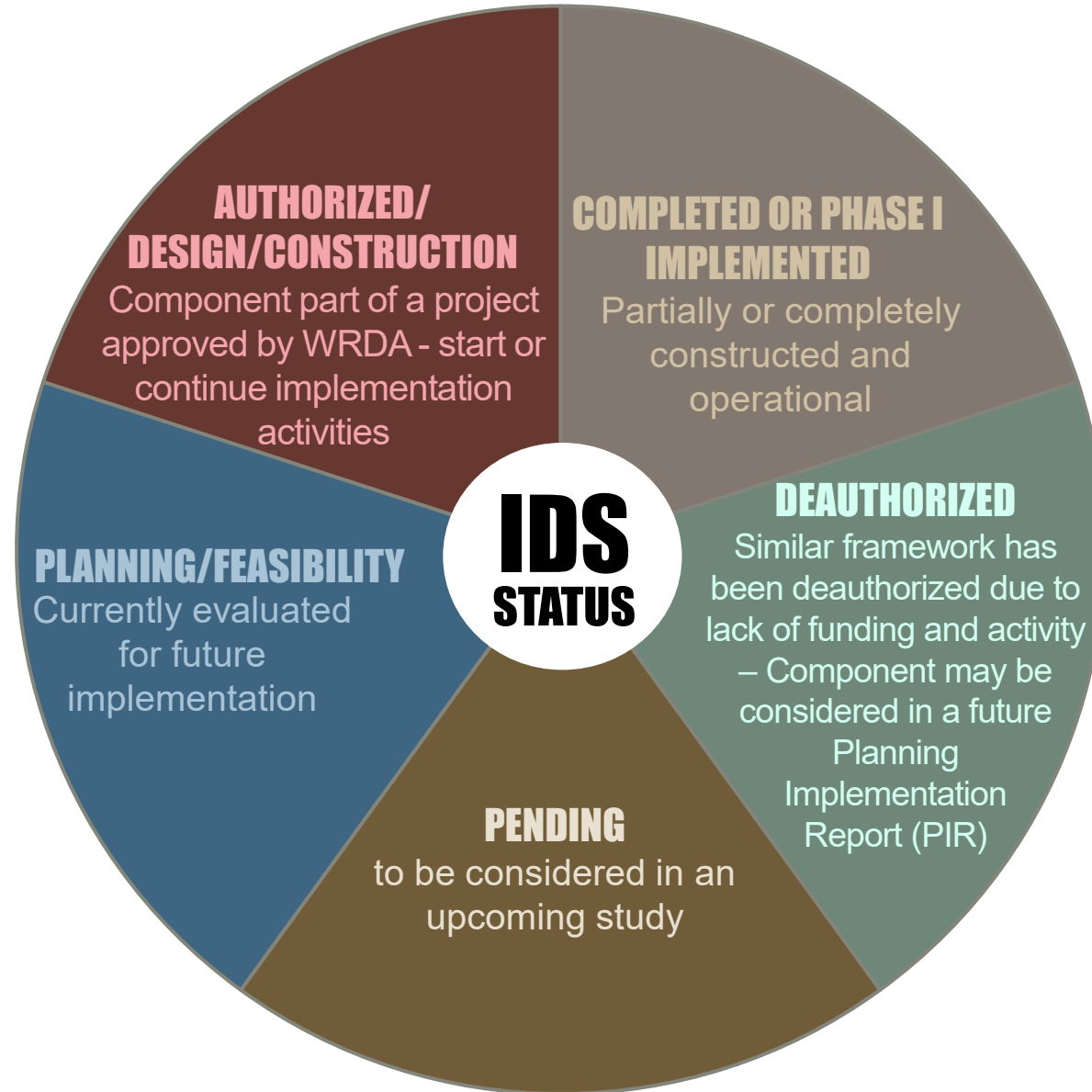
## Total of 68 components and the systemwide OPE Melaleuca Eradication

Areas Number	Areas Name	Num of Restudy Comps.	Restudy Component
1	Everglades Agricultural Area	3	G, DD, EE
2	Everglades, Florida Bay and the Keys	15	II, RR, AA, QQ, SS, ZZ, EEE, V, FF, U, WW, OO, OPE(2), FK, H
3	Lower West Coast	10	D, E, DDD, CCC, OPE(6)
4	Lake Okeechobee Watershed	7	A, W, F, OPE(3), GG
5	Miami-Dade County Region	9	XX, S, OPE(2), FFF, L, HHH, BBB, BB
6	Loxahatchee River Watershed	9	OPE(3), KK, K, GGG, X, Y, LL
7	Upper East Coast Region (Indian River Lagoon - South)	3	B, UU, C
8	Water Preserve Areas	12	VV, M, CC, OPE(3), Q, O, R, T, YY, AAA

Reference: [2022 South Florida Environmental Report - Volume I, Appendix 1-2](#)



# STATUS TERMINOLOGY OVERVIEW

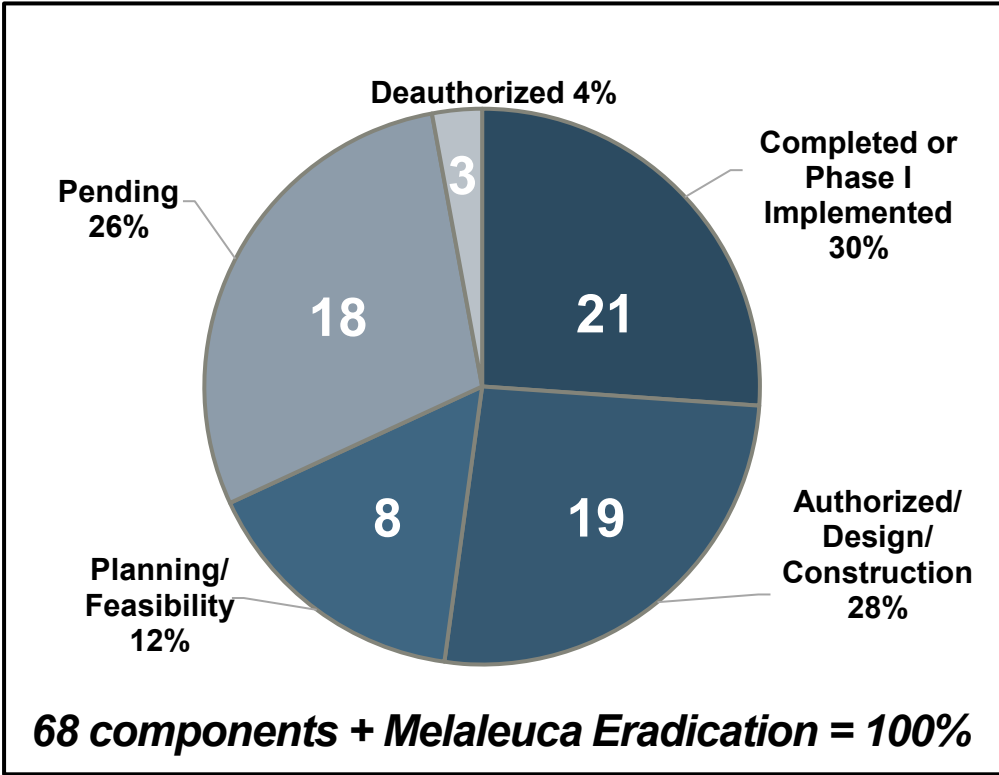


 **Did you know?**

Asterisks "\*" by the name of a component means that it contains Phases.



# IDS 2022: 68 COMPONENTS OVERALL STATUS



Note: The category of "Complete" includes components where at least one separable feature of the component has been completed/implemented. May include instances where there is a Phase II that has not yet been implemented.

- Terminology Overview:**
- **Completed or Phase I Implemented:** partially or completely constructed and operational
  - **Authorized/Design/Construction:** project approved by WRDA. Start or continue implementation activities
  - **Planning/Feasibility:** currently evaluated for future implementation
  - **Deauthorized:** due to lack of funding and activity. May be considered in a future PIR
  - **Pending:** to be considered in an upcoming study

- The Yellow Book continues to be our roadmap
- RECOVER Regions

#	RR	YELLOW BOOK NAME AND CODE
10	SC	Change Coastal Wetland Operations (L)
11	GE	Site 1 Impoundment with ASR* (M)
16	GE	C-4 Structures (I)
19	LO	Taylor Creek/Nubbin Slough Storage and Treatment Area* (W)
25	GE	Modified Holy Land Wildlife Management Area Water Management Operations (DD)
26	SW	Modified Roterberger Wildlife Management Area Water Management Operations (EE)
38	SC	C-111 Spreader Canal* (NW) - Phase 2 in Planning
42	GE	Lower East Coast Water Conservation (AAA)
48	GE	C-51* and Southern L-8 Reservoir (GGG)
50	LO	Lake Okeechobee Watershed Water Quality Treatment Facilities* (OPE)
56	GE	Acme Basin B (OPE)
57	NE	Lake Worth Lagoon Restoration* (OPE)
58	GE	Winstberg Farms Wetlands Restoration (OPE)
60	GE	Protect and Enhance Existing Wetlands Systems along Lox (Strazullo Tract) (OPE)
64	SW	Southern CREW Project Addition (OPE)
65	SW	Lake Trafford Restoration (OPE)
66	SW	Henderson Creek/Belle Meade Restoration (OPE)
67	GE	Lake Park Restoration (OPE)
68	SC	Florida Keys Tidal Restoration (OPE)
69	ALL	Melaleuca Eradication and Other Exotic Plants (OPE)
2	NE	St. Lucie/C-44 Basin Storage Reservoir (B)
3	NE	Environmental Water Supply Deliveries to St. Lucie Estuary (C)
4	NE	Caloosahatchee Basin Storage Reservoir with ASR* (D)
5	NE	Environmental Water Supply Deliveries to Caloosahatchee Estuary (E)
7	GE	EAA Storage Reservoir (G)
8	GE	Everglades Rain-Driven Operations* (H)
9	GE	L-8 Project (K)
9	GE	Water Conservation Area 3A and 3B Levee Seepage Management (O)
12	GE	Western C-11 Diversion Impoundment and Diversion Canal (Q)
14	GE	C-9 Stormwater Treatment Area/Impoundment (R)
18	GE	L-31N Improvements for Seepage Management (V)
22	GE	Construction of S-356 A and B Structures* (FF)
27	GE	Pump Station G-404 Modification (I)
29	GE	Modification to SDC's in southern portion of L-31N and C-111 (OO)
32	SC	Decomartmentalization of Water Conservation Area 3* (GQ)
33	SW	C-23, C-24, C-25 and Northfork and Southfork Basins Storage Reservoirs (UU)
36	NE	Pai Mar and J.W. Corbett Wildlife Management Area Hydropattern Restoration (OPE)
55	GE	Biscayne Bay Coastal Wetlands* (OPE) - Phase 2 In Planning
61	SC	Southern Golden Gate Estates Hydrologic Restoration (OPE)
63	SW	North of Lake Okeechobee Storage Reservoir (A)
28	LO	Lake Okeechobee Aquifer Storage and Recovery* (GG)
34	SW	Flow to Central Water Conservation Area 3A (RR)
39	GE	North Lake Belt Storage Area (XX)
43	GE	South Miami Dade County Reuse (BBB)
44	SW	Big Cypress/L-28 Interceptor Modification (CCC)
47	SC	Biscayne Bay Coastal Canals (FFF)
49	SC	West Miami Dade Reuse (HHH)
5	LO	Lake Okeechobee Regulation Schedule* (F)
15	GE	Central Lakebell Storage Area (S)
17	GE	Bird Drive Recharge Basin(U)
20	GE	C-17 Backpumping (X)
21	GE	C-51 Backpumping to West Palm Beach Water Catchment Area (Y)
23	GE	Dade Broward Levee/Pennsucko Wetlands (BB)
24	GE	Broward County Secondary Canal System (CC)
30	GE	Loxahatchee National Wildlife Refuge Internal Canal Structures (KK)
31	GE	C-51 Regional Groundwater ASR (LL)
37	GE	Palm Beach County Agricultural Reserve Reservoir (VV)
40	GE	Divert WCA2 flows to Central Lake Belt Storage (Y)
41	GE	Divert WCA3 flows to Central Lake Belt Storage Area (ZZ)
45	NE	Caloosahatchee Backpumping with STA (DDD)
46	GE	Flows to Eastern Water Conservation Area (EEE)
51	LO	Lake Okeechobee Tributary Sediment Dredging/Phosphorus Removal (OPE)
52	LO	Lake Istokpoga Regulation Schedule Modification (OPE)
54	SW	Milcoosukee Water Management Plan (OPE)
62	SC	Restoration of Pitt Island & Hardwood Hammocks in C-111 Basin (OPE)
53	SW	Re-route Miami-Dade Water Supply Deliveries (SS)
53	SW	Seminole Tribe Big Cypress Water Conservation Plan (East and West) (OPE)
59	GE	Palm Beach County Wetlands-based Water Reclamation (OPE)

**COMPLETE OR PHASE I IMPLEMENTED**

**AUTHORIZED/DESIGN/CONSTRUCTION**

**PLANNING/FEASIBILITY**

**PENDING**

**DE-AUTH**

**CERP COMPONENTS STATUS AND LOCATIONS BY RECOVER REGIONS**

NOTE: Authorized projects are listed on the front page of this Integrated Delivery Schedule Placemat

**MAP | TABLE LEGEND**

# Approximate Location for Each Component

**RECOVER REGIONS (RR)**

- Blue: Lake Okeechobee (LO)
- Red: Northern Estuaries (NE)
- Yellow: Greater Everglades (GE)
- Orange: Southwest (SW)
- Cyan: Southern Coastal Systems (SC)

**Foundation Projects**

TABLE

- \* Projects with Phases
- RR RECOVER Regions

NOT TO SCALE



# 2022 SFWMD SOUTH FLORIDA ENVIRONMENTAL REPORT



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6	Loxahatchee River Watershed	9	OPE(3), KK, K, GGG, X, Y, LL
7	Upper East Coast Region (Indian River Lagoon - South)	3	B, UU, C
8	Water Preserve Areas	12	VV, M, CC, OPE(3), Q, O, R, T, YY, AAA

Reference: [2022 South Florida Environmental Report - Volume I, Appendix 1-2](#)

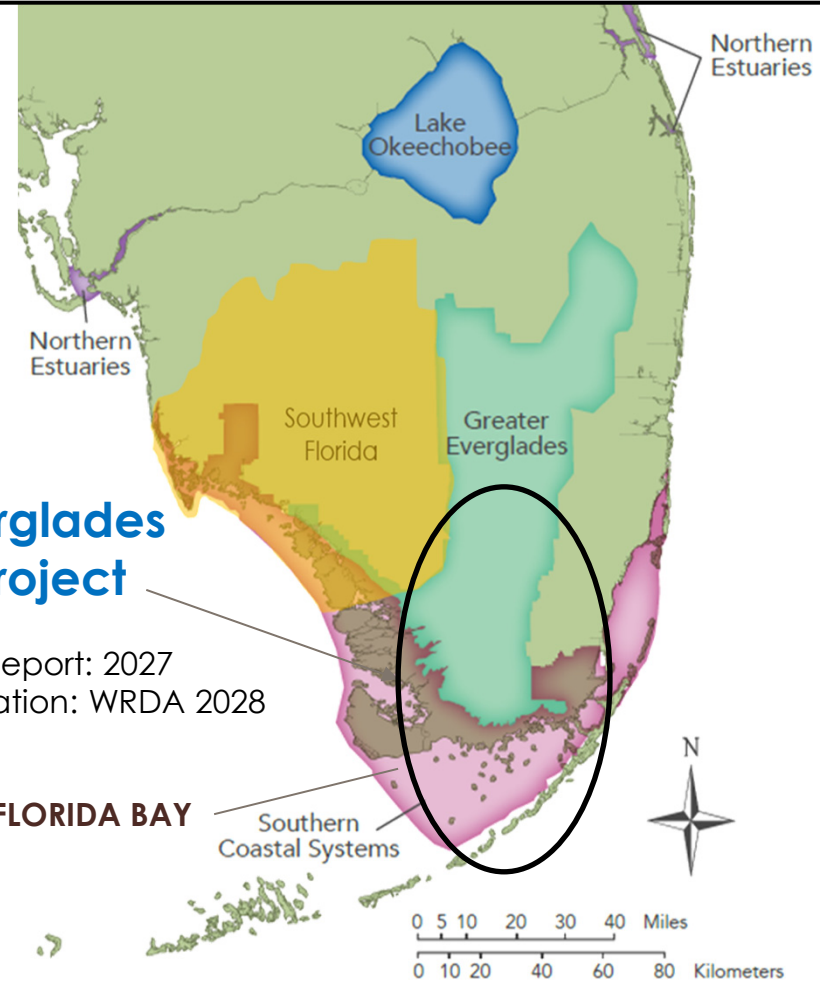




# SOUTHERN EVERGLADES RESTORATION PROJECT



## Everglades Map by RECOVER Region



 **Forthcoming: Southern Everglades Restoration Project**

Kick Off: 2023  
 Anticipate Chief's Report: 2027  
 Anticipate Authorization: WRDA 2028

### Authorized: Future Study

### Potential CERP Components (9):

1. **Component BB:** Dade Broward Levee/ Pennsuco Wetlands
2. **Component CC:** Broward Co. Secondary Canal System
3. **Component EEE:** Flows to Eastern Water Conservation Area
4. **Component GG:** Lake Okeechobee Aquifer Storage and Recovery
5. **Component QQ:** Decompartmentalization of Water Conservation Area 3
6. **Component S:** Central Lake Belt Storage Area
7. **Component U:** Bird Drive Recharge Basin
8. **Component YY:** Divert WCA2 flows to Central Lake Belt
9. **Component ZZ:** Divert WCA 3 flows to Central Lake Belt Storage Area



**USACE | JACKSONVILLE DISTRICT**  
**SOUTH FLORIDA ECOSYSTEM  
RESTORATION PROGRAM**

**THANK YOU!**

