

INTEGRATED DELIVERY SCHEDULE 2023 UPDATE – WORKING DRAFT

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



The Comprehensive Everglades Restoration Plan (CERP) is the largest aquatic ecosystem restoration effort in the nation, spanning over 18,000 square miles, and is designed to improve the health of more than 2.4 million acres. The Integrated Delivery Schedule (IDS) is a forward-looking snapshot of upcoming planning, design, and construction schedules and programmatic costs at a "top" line level for the South Florida Ecosystem Restoration (SFER) Program – including CERP, Modified Water Deliveries to Everglades National Park, the Critical Projects Program, Kissimmee River Restoration, and non-CERP Central and Southern Florida (C&SF) projects.

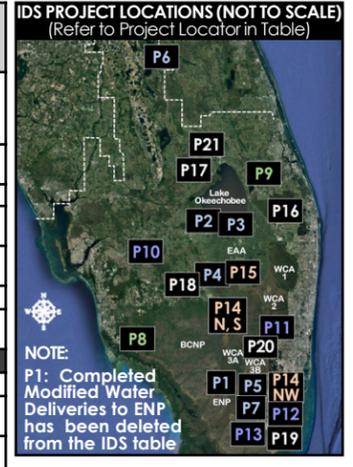
The IDS reflects the sequencing strategy for planning, design, and construction and does not include costs for work completed in other fiscal years or land acquisition. The IDS does not require an agency action and is not a decision document. It is a tool that provides information to decision-makers – a living document that is updated as needed to reflect progress and/or program changes. The IDS synchronizes program and project priorities with the State of Florida and achieves the CERP restoration objectives at the earliest practicable time, consistent with funding constraints and the interdependencies between project components.

Although non-CERP and Foundation projects upon which the CERP is dependent are reflected in the IDS schedule, they are not included in the funding scenario. These projects are funded through other program authorities or by other entities. Restoration projects by others are also not included but are considered during planning.

Note: The IDS serves the purpose of the Master Sequencing and Implementation Plan (MISP) described in the original CERP plan (Yellow Book). Funding shown for Fiscal Year 25 (Fiscal Year, October 1- September 30) and beyond is only notional, representing approximate funding levels that would be needed to sustain the work displayed in the IDS for any particular fiscal year. The funding does not represent a commitment by the Administration to budget the amounts shown.

Projects completed in prior years have been removed from the 2023 IDS.

SOUTH FLORIDA ECOSYSTEM RESTORATION (SFER) INVESTMENT THROUGH FY2021 (Millions)					
Dollar values are pending and will be provided with the Final 2023 IDS.					
	FEDERAL			NON-FEDERAL MULTIPLE AGENCIES	GRAND TOTAL
	USACE	DOI	TOTAL		
Modified Water Deliveries to ENP	\$	\$	\$	-	\$
Critical Projects	\$	-	\$	\$	\$
Kissimmee River Restoration	\$	-	\$	\$	\$
C&SF Non-CERP	\$	\$	\$	\$	\$
C&SF CERP	\$	\$	\$	\$	\$
C&SF CERP, to be credited	-	-	-	\$	\$
TOTAL SFER	\$	\$	\$	\$	\$
Herbert Hoover Dike Restoration Strategies and ECP	\$	-	\$	\$	\$



	Non-federal Federal Fiscal Closeout Monitoring		Does not reflect budgetary development dollars or capability Expected WRDA year Project Implementation Report Project Implementation Report with Exemption		Design, PPA Execution, Real Estate Acquisition Construction (Initiated by award of construction contract) Operational Plan Operational Testing and Monitoring Period
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SCAN THIS CODE FOR QUICK ACCESS TO A DIGITAL COPY OF THE IDS

PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (dollars in millions) ¹														
			2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033	2034 W	2035	
	Planning Estimates Federal Construction Cost (SFER) ⁺⁺²		\$ 352	\$ 1,128													
	Planning Estimates Non-Federal Construction Cost (SFER) ⁺⁺		\$ 332	\$ 343	\$ 1,386												
	Planning Estimates Total Construction Cost (SFER) ⁺⁺		\$ 679	\$ 1,471													
NON-CERP AND FOUNDATION																	
P2	Herbert Hoover Dike ³	N/A Non-CERP	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
P3	Lake Okeechobee System Operating Manual ³		○○○○○	○○○○○	○○○												
P4	Restoration Strategies ³		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
P5	Tamiami Trail Next Steps (TTNS) Phase 2 ³		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
P6	KRR-Development of Operational Transition Plan/Evaluation Monitoring		○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○
P7	C-111 South Dade Construction (complete)		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	C-111 South Dade - S-332 B Pump Station Replacement		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	C-111 South Dade - S-332 C Pump Station Replacement	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
CERP GENERATION 1 (AUTHORIZED IN WRDA 2007)																	
P8	Placyune Strand Restoration	OPE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Flood Protection Features - Conveyance		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Flood Protection Features - Levee		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Road Removal		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
P9	Indian River Lagoon-South	B	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	C-44 Reservoir		○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	
	C-44 STA and Pump Station		○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	○○○○○	
	C-23/24 Reservoir North		UU Phase 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	C-23/24 Reservoir South		UU Phase 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	C-23/24 STA		UU Phase 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	C-25 Reservoir and STA		UU Phase 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
CERP GENERATION 2 (AUTHORIZED IN WRDA 2014)																	
P10	Caloosahatchee River (C-43) West Basin Storage	D	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	C-43 Reservoir	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	C-43 Pump Station	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P11	Broward County Water Preserve Areas	Q	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	C-11 Impoundment		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	WCA 3A and 3B Seepage Management		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P12	Biscayne Bay Coastal Wetlands	FFF, OPE Phase 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	L-31 East Flow-way S-709 Pump Station (PS)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	L-31 East Flow-way S-705 PS	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	L-31 East Flow-way S-703 PS	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	L-31 East Flow-way S-710 PS, S-711 PS, and C-711W Seepage Canal	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P13	C-111 Spreader Canal Western Project (Requires PPA – to be Reconciled In Parallel to BBSEER) SFWMD Led Design and Construction	WW Phase 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
			-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
CERP GENERATION 3 (AUTHORIZED IN WRDAS 2016, 2018, 2020)																	
P14	Central Everglades Planning Project		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
P14S	CEPP South: Additional Outlet Structures Needed to Move More Water South	AA, FF, H, QQ	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Validation Report - S-152 and Backfill Treatments	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	S-152 and Existing Backfill Treatments (Permanent)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	S-631, S-632, S-633 Structures; Gap in L-67C Levee; L-67A Spoil Pile Removal	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	S-356E Pump Station and S-334E Gated Spillway	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Demolition of Existing S-356 Pump Station	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P14N	CEPP North: Inflow Facilities Needed to Restore Northern WCA-3A and Move Additional Water South to Everglades	QQ, II	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Validation Report	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	L-4 Degrade, Pump Station S-630	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	S-8 Pump Station Modifications	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	L-6 Diversion	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P14NW	CEPP New Water: Seepage Management Needed to Move More Water into the Everglades		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Validation Report	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Seepage Barrier Wall	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P15	CEPP EAA: Moves New Water South, Stores it, and Treats it Before Going to the Everglades ⁴	G, C, E	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	EAA Reservoir - A-2 STA	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	EAA Reservoir - Canal Conveyance Improvements to North New River and Miami River Canals	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	EAA Reservoir - Seepage Canal (7.2 miles) and Inflow/Outflow Canal	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	EAA Reservoir - Foundation and Cutoff Wall	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	EAA Reservoir - Embankment, Outlet Works and Inline Spillway	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
CERP GENERATION 4 (AUTHORIZED IN WRDA 2020)																	
P16	Loxahatchee River Watershed Restoration Project	K, OPE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Flow-way 1 (M-1 Canal, G160/161 and Grassy Water Preserve)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Flow-way 2 (C-18 Impoundment)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Flow-way 3 (ASR Wells)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
PLANNING PHASE																	
P17	Lake Okeechobee Watershed Restoration Project ⁵	GG, OPE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	ASR Wells - Design and Implementation by SFWMD	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Lake Okeechobee Watershed Wetlands Report	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
P18	Western Everglades Restoration Project ⁵	RR, CCC, QQ	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	
	Biscayne Bay Southeastern Everglades Ecosystem Restoration (BBSEER) ⁵	BBB, FFF, HHH, WW, XX, OPE	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	
P19	Southern Everglades ⁵	BB, CC, EEE, QQ, S, U, YY, ZZ	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
P20	Lake Okeechobee Component A Reservoir (LOCAR) ^{3,5}	A	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
N/A	PENDING: Please refer to the CERP Components Map on Page 2 (Start of "Pending" CERP Component Feasibility Studies will be informed by the technical evaluations including input from the Science Coordination Group, RECOVER, periodic CERP update analysis, and engagement with the public.)	DDD, F, VV, X, Y, KK, LL, OPE(4); Phased: D,H, M,W,AA,FF, GGG,OPE(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	

FOOTNOTES:
 1: Once authorized, the design and construction of current planning projects will increase annual estimates and extend beyond FY2025.
 2: FY 2022 and beyond includes allocation for Bipartisan Infrastructure Law funds.
 3: Funded through other program authorities or by other entities.
 4: Requires WCA-3 outlet and conveyance structures to maximize operational flexibility.
 5: Construction and funding TBD.



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THE RESTORATION FRAMEWORK

OPERATIONS IN SYNC WITH PROJECT DELIVERY

Restoration activities, including operational components recommended in the CERP, occur within the context of the larger, actively operated C&SF system. The C&SF Project includes 1,000+ miles of canals and levees and several hundred water control structures and pump stations providing the C&SF Congressionally authorized purposes of flood control, water supply, navigation, regional groundwater control, prevention of saltwater intrusion, recreation, and preservation of fish and wildlife.

COMPONENTS AND PROJECTS

The CERP identified 68 components that can contribute significantly to "getting the water right" and restoring the health of the ecosystem. Through a rigorous planning process, the components described in the CERP "Yellow Book" are combined into 50+ implementable projects that become part of the Integrated Delivery Schedule (IDS).

SOM VOLUMES BY REGION



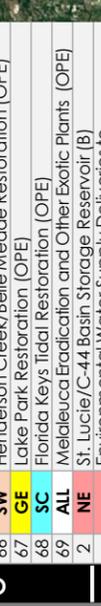
System Operating Manuals: The Critical Last Step in Getting the Water Right and Achieving Maximum System-wide Benefits

Operating Manuals are the set of documents that describe how to operate components of the C&SF Project and CERP projects to ensure the goals and purposes of the projects are achieved. Operating Manuals for the CERP consist of a System Operating Manual (SOM) and Project Operating Manuals (POMs). Draft Project Operating Manuals (DPOMs) are initially developed during the planning phase of project delivery.

- The SOM consists of 7 Volumes, organized according to geographical regions, that collectively provide a system-wide framework for the operation of components of the C&SF Project and CERP projects to ensure that projects function in a coordinated, systematic way.
- Updates to Operating Manuals: The Programmatic Regulations require that POMs be updated, as appropriate, for project construction and operational testing and monitoring phases, as well as when relevant CERP and non-CERP components come online. In turn, SOM Volumes are updated to include new or updated POMs.

RECOVER APPLIED SCIENCE STRATEGY

Restoration, Coordination and Verification (RECOVER) is an interagency and interdisciplinary scientific and technical team created to ensure that system-wide science guides CERP implementation. As such, RECOVER coordinates and applies an Applied Science Strategy to organize current scientific understandings of ecosystems into formats that can effectively support restoration efforts. This strategy employs the RECOVER monitoring and assessment plan (MAP) to measure system-wide responses to determine how well CERP is achieving its goals and objectives. Information collected through the MAP is used to continually improve CERP performance through application of adaptive management practices.



Recently, RECOVER updated the CEM and HC to incorporate new science related to climate change, sea level rise, and invasive species. This effort, along with several other RECOVER initiatives over the next three years, will inform a revised MAP in FY26. A revised MAP will allow for consideration of new insights, programs, and changes in priorities that will improve RECOVER's ability to effectively and efficiently inform and assess CERP. Images courtesy of: North Carolina State University; Florida Atlantic University; and SFWMD.

IDS CONSTRUCTION RELEVANT * SCHEDULES FOR SOM VOLUME, WATER MANAGEMENT OPERATING CRITERIA (DPOM, POM, WCP), NEPA, AND MODELING

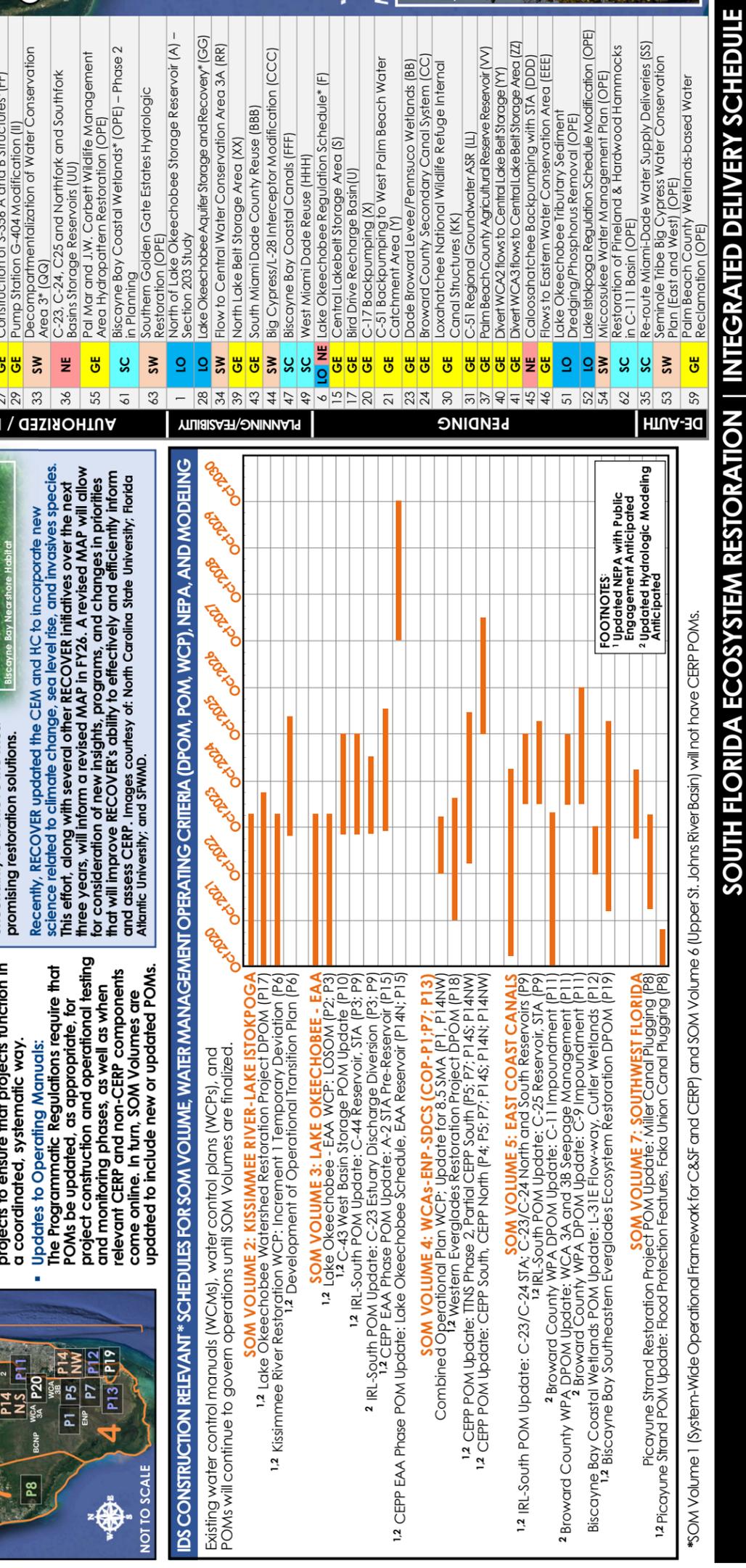
Existing water control manuals (WCMs), water control plans (WCPs), and POMs will continue to govern operations until SOM Volumes are finalized.

- SOM VOLUME 2: KISSIMMEE RIVER-LAKE ISTOKPOGA**
 - 1,2 Lake Okeechobee Watershed Restoration Project DPOM (P17)
 - 1,2 Kissimmee River Restoration WCP: Increment 1 Temporary Deviation (P6)
 - 1,2 Development of Operational Transition Plan (P6)
- SOM VOLUME 3: LAKE OKEECHOBEE - EAA**
 - 1,2 Lake Okeechobee - EAA WCP: LOSMA (P2; P3)
 - 1,2 C-43 West Basin Storage POM Update (P10)
 - 1,2 IRL-South POM Update: C-44 Reservoir, STA (P3; P9)
 - 2 IRL-South POM Update: C-23 Estuary Discharge Diversion (P3; P9)
 - 1,2 CERP EAA Phase POM Update: A-2 STA Pre-Reservoir (P15)
 - 1,2 CERP EAA Phase POM Update: Lake Okeechobee Schedule, EAA Reservoir (P14N; P15)
- SOM VOLUME 4: WCAs-ENP-SDCS (COP-P1-P7; P13)**
 - Combined Operational Plan WCP: Update for 8.5 SMA (P1, P14NW)
 - 1,2 Western Everglades Restoration Project DPOM (P18)
 - 1,2 CERP POM Update: TINS Phase 2, Partial CERP South (P5; P7; P14S; P14NW)
 - 1,2 CERP POM Update: CERP South, CERP North (P4; P5; P7; P14S; P14NW)
- SOM VOLUME 5: EAST COAST CANALS**
 - 1,2 IRL-South POM Update: C-23/C-24 North and South Reservoirs (P9)
 - 1,2 IRL-South POM Update: C-25 Reservoir, STA (P9)
 - 2 Broward County WPA DPOM Update: C-11 Impoundment (P11)
 - 2 Broward County WPA DPOM Update: C-9 Impoundment (P11)
 - Biscayne Bay Coastal Wetlands POM Update: L-31E Flow-way, Cuffer Wetlands (P12)
 - 1,2 Biscayne Bay Southeastern Everglades Ecosystem Restoration DPOM (P19)
- SOM VOLUME 7: SOUTHWEST FLORIDA**
 - Picayune Strand Restoration Project POM Update: Miller Canal Plugging (P8)
 - 1,2 Picayune Strand POM Update: Flood Protection Features, Faka Union Canal Plugging (P8)

*SOM Volume 1 (System-Wide Operational Framework for C&SF and CERP) and SOM Volume 6 (Upper St. Johns River Basin) will not have CERP POMs.

RECOVER STATUS AND LOCATIONS BY RECOVER REGIONS

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



NOT TO SCALE

A CERP-WIDE COMPONENT

MAP | TABLE LEGEND

Approximate Location for Each Component

RECOVER REGIONS (RR)

Lake Okeechobee (LO)

Northern Estuaries (NE)

Greater Everglades (GE)

Southwest (SW)

Southern Coastal Systems (SC)

Foundation Projects

TABLE

* Projects with Phases

RR RECOVER Regions

INTEGRATED DELIVERY SCHEDULE

SOUTH FLORIDA ECOSYSTEM RESTORATION