

SOUTH FLORIDA ECOSYSTEM RESTORATION (SFER) PROGRAM

2022 UPDATE INTEGRATED DELIVERY SCHEDULE

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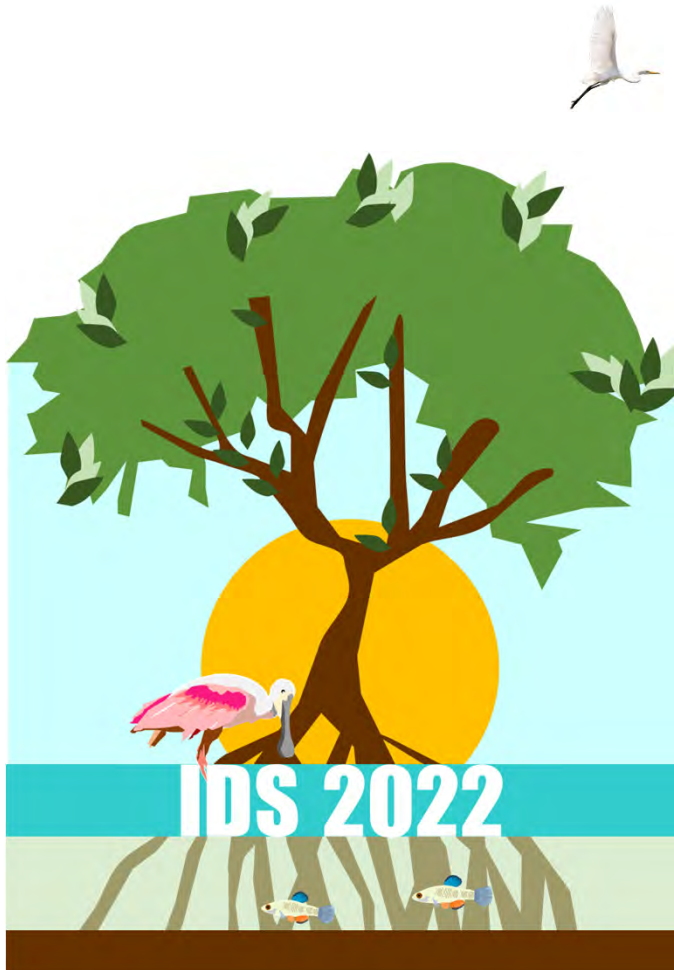


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2022 IDS UPDATE



Highlights of FY22 and FY23:

- Picayune Strand Restoration Project
 - ▶ Canal Plugging
- Broward County Water Preserve Areas
 - ▶ C-11 Impoundment
- Central Everglades Planning Project
 - ▶ L-67A, Structures S-631, S-632, S-633 and Gap in L-67C Levee S Spoil Removal
 - ▶ Increase S-356E Pump Station and S-334E Gated Spillway
 - ▶ Gated Spillway S-355W
 - ▶ EAA Reservoir - Foundation and Cutoff Wall



2022 IDS UPDATE



Additional Highlights for FY22 and FY23

- The Southern Everglades Study will kick off in 2023
- In FY22 and FY23 operational planning efforts will be underway across all regions of the system
- CERP 68 Components updated to reflect completion of Yellow Book Component B, St. Lucie C-44 Basin Storage Reservoir
- RECOVER initiated development of a Southwest Florida module to apply RECOVER's programmatic evaluation and assessment framework to the Greater Big Cypress Basin



PURPOSE, INVESTMENTS, PROJECT LOCATOR AND LEGEND



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 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.

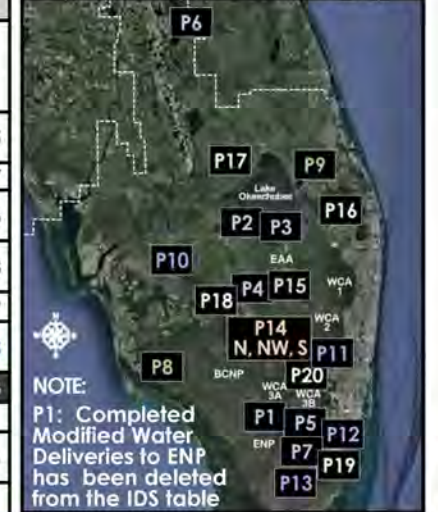
Although non-CERP and Foundation projects upon which the CERP is dependent are reflected in the IDS schedule, they are not included in the funding scenario. These projects are funded through other program authorities or by other entities. Restoration projects by others are also not included but are considered 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 24 (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 2022 IDS.

SOUTH FLORIDA ECOSYSTEM RESTORATION (SFER) INVESTMENT THROUGH FY2021 (Millions)					
	FEDERAL			NON-FEDERAL MULTIPLE AGENCIES	GRAND TOTAL
	USACE	DOI	TOTAL		
Modified Water Deliveries to ENP	\$ 78	\$ 317	\$ 395	-	\$ 395
Critical Projects	\$ 89	-	\$ 89	\$ 88	\$ 177
Kissimmee River Restoration	\$ 405	-	\$ 405	\$ 401	\$ 806
C&SF Non-CERP	\$ 774	\$ 52	\$ 826	\$ 227	\$ 1,053
C&SF CERP	\$ 1,818	\$ 112	\$ 1,930	\$ 1,939	\$ 3,869
C&SF CERP, to be credited	-	-	-	\$ 1,183	\$ 1,183
TOTAL SFER	\$ 3,163	\$ 482	\$ 3,645	\$ 3,838	\$ 7,483
Herbert Hoover Dike	\$ 1,506	-	\$ 1,506	\$ 100	\$ 1,606
Restoration Strategies and ECP	-	-	-	\$ 2,229	\$ 2,229

IDS PROJECT LOCATIONS (NOT TO SCALE)
(Refer to Project Locator in Table)



NOTE:
P1: Completed Modified Water Deliveries to ENP has been deleted from the IDS table

Non-federal	Does not reflect budgetary development dollars or capability	Design, PPA Execution, Real Estate Acquisition
Federal	Expected WRDA year	Construction (Initiated by award of construction contract)
Fiscal Closeout	Project Implementation Report	Operational Plan
Monitoring	Project Implementation Report with Exemption	Operational Testing and Monitoring Period

SCAN THIS CODE FOR QUICK ACCESS TO A DIGITAL COPY OF THE IDS





IDS 2022: PLANNING ESTIMATES OF TOTAL SFER CONSTRUCTION COST

NOTE
BLUE OR
BLACK

NOTE
FISCAL
YEARS

NOTE "W" FOR
ANTICIPATED
WRDAs

PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ¹												
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033
	Planning Estimates Federal Construction Cost (SFER) ⁺⁺²		\$ 250	\$ 352	\$ 1,128										
	Planning Estimates Non-Federal Construction Cost (SFER) ⁺⁺		\$ 258	\$ 332	\$ 343	\$ 1,386	\$ 1,157	\$ 840	\$ 894	\$ 849	\$ 484	\$ 278	\$ 138	\$ 25	\$ 25
	Planning Estimates Total Construction Cost (SFER) ⁺⁺		\$ 508	\$ 679	\$ 1,471										





IDS 2022: NON-CERP AND FOUNDATION PROJECTS



PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ²													
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033	
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	Kissimmee River Restoration (KRR) Construction		—●													
	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	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	



HHD Rehabilitation



Tamiami Trail Bridge



Kissimmee River Restoration



IDS 2022: CERP GENERATION 1, WRDA 2007



PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ²												
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033
CERP GENERATION 1 (AUTHORIZED IN WRDA 2007)															
P8	Picayune Strand Restoration	OPE						●○○○○○	○○○○○●						
	Flood Protection Features - Conveyance		———	———	———	———●○○	○○○○○●								
	Flood Protection Features - Levee		———	———	———	———●									
	Road Removal		———	———	———●										
	Canal Plugging		●●●●●	●———	———	———	———●								
P9	Indian River Lagoon-South														
	C-44 Reservoir	B	———●	○○○○○○	○○○○○○	○○○○○●									
	C-44 STA and Pump Station	B	○○○○○○	○○○○○●											
	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 2	———	●●●●●	●●●●●	●●●●●	———	———	———	———	———	———	○○○○○●		
C-23/C-44 Interconnect (Estuary Discharge Diversion)		●●●●●	●●●●●	●●●●●	●●●●●	———	———	———	———	———	———	———			
	Natural Water Quality Storage Areas, Muck Removal and Artificial Habitat Creation (Phase 2) - Director's Report and PPA - After Execution, SFWMD Leading Design and Construction			●●●●●	●●●●●										



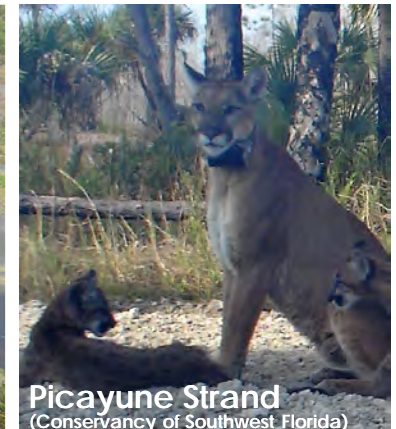
C-44 Reservoir



C-23/24 STA



Picayune Strand



Picayune Strand
(Conservancy of Southwest Florida)



IDS 2022: CERP GENERATION 2, WRDA 2014



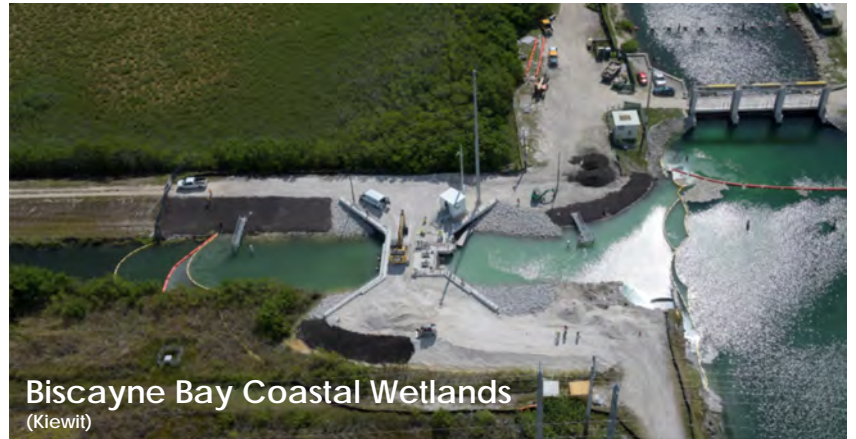
PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ²													
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033	
CERP GENERATION 2 (AUTHORIZED IN WRDA 2014)																
P10	Caloosahatchee River (C-43) West Basin Storage									●□□□□□	□□□□□●					
	C-43 Reservoir		▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬●	○○○○○○○	○○○○○○●								
	C-43 Pump Station	D	▬▬▬▬	▬▬▬▬●	○○○○○○○	○○○○○○●										
P11	Broward County Water Preserve Areas															
	C-11 Impoundment	Q	●●●●●●	●●●●●●	●●●●●●	●●●●●●	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬	○○○○○○○	○○○○○○●
	WCA 3A and 3B Seepage Management	O				●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	○○○○○○○	○○○○○○●
	C-9 Impoundment	R				●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	○○○○○○○	○○○○○○○	○○○○○○●
P12	Biscayne Bay Coastal Wetlands Phase 1	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		●●●●●●	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬●○○	○○○○○○●								
	Cutler Wetlands		▬▬▬▬	▬▬▬▬●	▬▬▬▬	▬▬▬▬	▬▬▬▬	▬▬▬▬●	○○○○○○●							
P13	C-111 Spreader Canal Western Project (Requires PPA – to be Reconciled in Parallel to BBSEER) SFWMD Led Design and Construction	WW, Phase 1						●●●●●●	●●●●●●	□□□□□●						



C-43 Reservoir Pump Intake Station



C-43 Reservoir Construction



Biscayne Bay Coastal Wetlands
(Kiewit)



IDS 2022: CENTRAL EVERGLADES PLANNING PROJECT, WRDA 2016



PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ²											
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W
CERP GENERATION 3 (AUTHORIZED IN WRDAS 2016, 2018, 2020)														
P14	Central Everglades Planning Project	AA, FF, H, QQ P1, G												
	Decomp Physical Model (work performed under Master Design Agreement)	QQ	*****	*****										
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)			●00000	00●									
	L-67A Structures S-631, S-632, S-633 and Gap in L-67C Levee S Spoil Removal		—●	*****	●—	—	—	—	—●00	00000●				
	Increase S-356E Pump Station and S-334E Gated Spillway		*****	*****	***●—	—	—	—	—	—●00	000000	00000●		
	Demolition of Existing S-356 Pump Station						●*****	*****	*****	●—	—●			
	Gated Spillway S-355W		*****	*****	***●—	—	—	—	—●00	00000●				
	Removal of L-67C, Construct L-67D Levee and Gap in L-67C Levee N			●*****	*****	*****	***●—	—	—	—●	00000●			
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		●*****	*****	*****	*****	●—	—	—●	00000●				
	S-8 Pump Station Modifications		●*****	*****	*****	*****	●—	—	—●	000000	00000●			
	L-6 Diversion		●*****	*****	●—	—	—	—●	000000	00000●				
	Miami Canal Backfill/Vegetated Hammocks			●*****	*****	*****	●—	—	—●	000000	00000●			
P14NW	CEPP New Water: Seepage Management Needed to Move More Water into the Everglades													
	Validation Report			●*****	*****●									
	Seepage Barrier Wall	V		●*****	●—	—●	00000●							
P15	CEPP EAA: Moves New Water South, Stores it, and Treats it Before Going to the Everglades⁴	G, C, E												
	EAA Reservoir - A-2 STA		—	—	—●	000000	00000●							
	EAA Reservoir - Canal Conveyance Improvements to North New River and Miami River Canals		●*****	*****	***●—	—	—	—	—●	00000●				
	EAA Reservoir - Seepage Canal (7.2 miles) and Inflow/Outflow Canal		***●—	—	—	—●	000000	00000●						
	EAA Reservoir - Foundation and Cutoff Wall		*****	***●—	—	—	—	—	—●					
	EAA Reservoir - Embankment, Outlet Works and Inline Spillway		*****	*****	*****	***●—	—	—	—	—	—●	000000	00000●	
	EAA Reservoir - S-636 Seepage Pump Station			●*****	*****	*****	***●—	—	—	—●	000000	00000●		
EAA Reservoir - Inflow Pump Station		*****	*****	*****	*****	***●—	—	—	—	—●	000000	00000●		



IDS 2022: CERP GENERATION 4, WRDA 2020

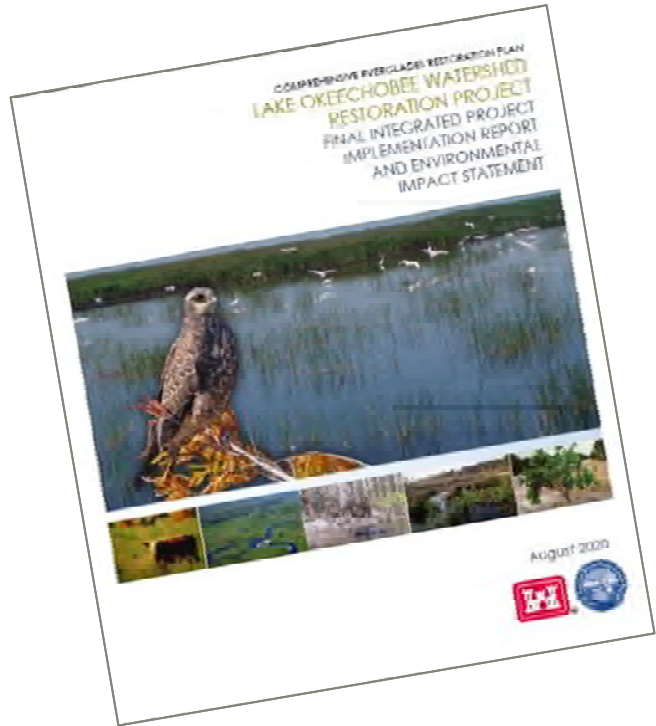
PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ²												
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033
CERP GENERATION 4 (AUTHORIZED IN WRDA 2020)															
P16	Loxahatchee River Watershed Restoration Project	K, OPE		●●●●●●	●●●●●●										
	Flow-way 1 (M-1 Canal, G160/161 and Grassy Water Preserve)				●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●
	Flow-way 2 (C-18 Impoundment)				●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●
	Flow-way 2 (ASR Wells)								●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●
	Flow-way 3 (Gulf Stream West, Nine Gems, Culpepper, Moonshine, Hobe Grove, and Kitching Creek)			●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●





IDS 2022: PLANNING PROJECTS

PROJECT LOCATOR	PROJECT	YELLOW BOOK COMPONENT	FISCAL YEAR (DOLLARS IN MILLIONS) ²													
			2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W	2033	
P17	Lake Okeechobee Watershed Restoration Project ⁵ ASR Wells - Design and Implementation by SFWMD	A, GG	XXXXXX	XXXXXX	XXXX*		Dependent on Future WRDA Authorization. Construction and Funding TBD.									
P18	Western Everglades Restoration Project ⁵	RR, CCC	XXXXXX	XXXXXX	XXXXXX*		Anticipate Authorization in WRDA 2024. Construction and Funding TBD.									
P19	Biscayne Bay Southeastern Everglades Ecosystem Restoration (BBSEER) ⁵	BBB, FFF, HHH, WW, XX, OPE	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX*		Anticipate Authorization in WRDA 2026. Construction and Funding TBD.							
P20	Southern Everglades ⁵	BB, CC, EEE, GG, QQ, S, U, YY, ZZ			XXXX	XXXXXX	XXXXXX	XXXXXX	XXXX*		Anticipate Authorization in WRDA 2028. Construction and Funding TBD.					
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.)	A, 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 FY2033. 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.													



ENVIRONMENTAL CONSIDERATIONS

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

WHAT IS NEPA?
NEPA is a federal law enacted in 1969. Under NEPA, federal agencies are required to evaluate the potential environmental impacts that a future project or action may cause. These findings are captured in a detailed statement and are available for public review and comment before any decisions or actions are taken. Not all federal actions require a full Environmental Impact Statement (EIS). Due to the size and scope of the Western Everglades Restoration Project (WERP), the environmental documentation will be in the form of an EIS.

ENVIRONMENTAL FRAMEWORK FOR PROJECT DEVELOPMENT AND IMPLEMENTATION
COORDINATION with applicable environmental regulatory agencies.

AVOIDANCE AND MINIMIZATION of environmental impacts to the maximum extent practicable.

MITIGATION AND MONITORING, where unavoidable impacts occur.

NEPA PROCESS
PROPOSED AGENCY ACTION
— Environmental Assessment
— Notice of Intent
— Record of Decision
— Final EIS
— Record of Decision
— Final EIS
— Record of Decision

PUBLIC INVOLVEMENT IS KEY
Public input is vital to the success of a project. Involvement by NEPA occurs at several stages: scoping, assessment, and decision-making. Public input is also a key component of the project's implementation and monitoring. Project information and status of environmental issues can be found on the project's website.

LOCATION
LAKE OKEECHOBEE
WESTERN EVERGLADES RESTORATION PROJECT PRELIMINARY STUDY AREA
EVERGLADES NATIONAL PARK

HUMAN & NATURAL ENVIRONMENT

EVALUATING POTENTIAL BENEFICIAL & ADVERSE IMPACTS

Some of the human and natural environmental considerations that will be evaluated as part of the EIS and included in the EIS include:

- NATIVE AMERICANS**
- CULTURAL RESOURCES**
- WILDLIFE AND THEIR HABITAT**
- ENDANGERED SPECIES**
- LAND USE**
- WATER QUALITY**
- INVASIVE SPECIES**
- WATER SUPPLY & FLOOD PROTECTION**

COMPREHENSIVE EVERGLADES RESTORATION PLAN
WESTERN EVERGLADES RESTORATION PROJECT

For Additional Information: <http://del3rj/WesternEverglades>

BISCAYNE BAY AND SOUTHEASTERN EVERGLADES ECOSYSTEM RESTORATION (BBSEER)

US Army Corps of Engineers



IDS PLACEMENT - PAGE 2

SOUTH FLORIDA ECOSYSTEM RESTORATION AND GETTING THE WATER RIGHT - 2022 UPDATE

THE RESTORATION FRAMEWORK

OPERATIONS IN SYNC WITH PROJECT DELIVERY

Restoration activities, including operational components recommended in the CERF, 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 CERF 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 CERF "Yellow Book" are combined into 50+ implementable projects that become part of the Integrated Delivery Schedule (IDS).



EXPANDING THE RECOVER FOOTPRINT

The Comprehensive Everglades Restoration Plan (CERP) footprint is sub-divided into similar landscapes, each representing a Restoration, COordination, VERification (RECOVER) module where monitoring is applied to address uncertainties and inform progress toward achieving CERP goals and objectives. In October 2021 RECOVER initiated development of a Southwest Florida Module to apply RECOVER's programmatic evaluation and assessment framework to the Greater Big Cypress Basin (GBCB). The GBCB is more than just a single self-contained watershed, the conservation lands within the region function as a central hub in the southern Florida peninsula that contain and connect multiple watersheds between the Big Cypress and Everglades ecosystems.

The overlap with the Greater Everglades and Southern Coastal Systems modules was purposeful. Overlap allows regional experts to work together in areas of the system that are more varied in character such as transitional areas between forested wetlands and swaggs prairies, and inland and coastal systems. Overlap increases coordination and communication between regions and enhances RECOVER's system-wide assessment mission. Getting the water right throughout the GBCB could translate to more natural downstream flows to the Tribal Reservations, Everglades National Park, Big Cypress National Preserve, Florida Panther National Wildlife Refuge, Fakahatchee Strand Preserve State Park and the upper southwestern coast. This new RECOVER Module gives the western regions a voice at the Everglades restoration table and potentially paves the way towards a path to improved evaluation and assessment tools. Formulation of this module increases the extent of Everglades wetland system-wide knowledge and increases the understanding of the needs associated with each region. It also provides a means to evaluate CERF performance across the entirety of the CERF footprint and gain knowledge to reduce uncertainties to further inform CERF design and implementation.



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 CERF projects to ensure the goals and purposes of the projects are achieved. Operating Manuals for the CERF 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 CERF 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 CERF and non-CERF components come online. In turn, SOM Volumes are updated to include new or updated POMs.

IDS CONSTRUCTION RELEVANT* SCHEDULES FOR SOM VOLUME, WATER MANAGEMENT OPERATING CRITERIA (DPOM, WMP, 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	Project Name	Start	End
2	Kissimmee River-Lake Istokpoga	04 2019	04 2022
3	Lake Okeechobee - EAA	04 2020	04 2024
4	WCAs-ENP-SDCS	04 2021	04 2028
5	East Coast Canals	04 2022	04 2028
7	Southwest Florida	04 2023	04 2028

FOOTNOTES:
*Updated NEPA with Public Engagement Anticipated
*Updated Hydrologic Modeling Anticipated

#	RR	YELLOW BOOK NAME AND CODE
10	SC	Change Coastal Wetfield Operations (L)
11	GE	Site 1 Impoundment with ASR* (M)
14	GE	C-4 Structures (I)
19	LD	Taylor Creek/Nubbin Slough Storage and Treatment Area (LV)
25	GE	Modified Holy Land Wildlife Management Area Water Management Operations (DB)
26	SW	Modified Rosenberger Wildlife Management Area Water Management Operations (EE)
38	SC	C-111 Spreader Canal - (WVW) - Phase 2 in Planning
42	GE	Lower East Coast Water Conservation (AAA)
48	GE	C-51* and Southern L-8 Reservoir (GAG)
50	LD	Lake Okeechobee Watermed Water Quality Treatment Facilities* (OPE)
54	GE	Acme Basin 3 (OPE)
57	NE	Lake Worth Lagoon Restoration (OPE)
58	GE	Winzberg Farms Wetlands Restoration (OPE)
60	GE	Protect and Enhance Existing Wetlands Systems along Lox Stradaus Canal (OPE)
64	SW	Southern CREW Project Addition (OPE)
65	SW	Lake Trafford Restoration (OPE)
66	SW	Hendonson Creek/Belle Meade Restoration (OPE)
67	GE	Lake Park Restoration (OPE)
68	SC	Florida Keys Foliar Restoration (OPE)
69	ALL	Melroevala Bradacation and Other Biota Plants (OPE)
2	NE	St. Lucie/C-44 Basin Storage Reservoir (S)
3	NE	Environmental Water Supply Delivers to St. Lucie Estuary (C)
4	NE	Caloosahatchee Basin Storage Reservoir with ASR* (D)
5	NE	Environmental Water Supply Delivers to Caloosahatchee Estuary (E)
7	GE	EAA Storage Reservoir (G)
8	GE	Everglades Rain-Driven Operations* (H)
9	GE	L-8 Project (K)
12	GE	Water Conservation Area 3A and 3B Levee Seepage Management (O)
13	GE	Western C-11 Diversion Impoundment and Diversion Canal (Q)
14	GE	C-2 Stormwater Treatment Area Impoundment (R)
18	GE	L-31N Improvements for Seepage Management (V)
22	GE	Additional 3-345 Structures (AA)
27	GE	Construction of 3-352 A and B Structures (FF)
29	GE	Pump Station G-404 Modification (I)
32	SC	Modification to DGS in southern portion of L-31N and C-111 (OO)
33	SW	Decomartmentalization of Water Conservation Area 3A (GG)
36	NE	C-23, C-24, C-25 and Northfork and Southfork Basins Storage Reservoirs (UU)
55	GE	Pai Mar and J.W. Corbett Wildlife Management Area Impoundment Restoration (OPE)
61	SC	Biscayne Bay Coastal Wetlands* (OPE) - Phase 2 in Planning
63	SW	Southern Golden Gate Estates Hydrologic Restoration (OPE)
1	LD	North of Lake Okeechobee Storage Reservoir (A)
28	LD	Lake Okeechobee Aquifer Storage and Recovery* (AG)
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 (BB)
44	SW	Big Cypress/L-28 Interceptor Modification (CCC)
47	SC	Biscayne Bay Coastal Canals (FFF)
48	SC	West Miami Dade Reuse (HH)
5	NE	Lake Okeechobee Regulation Scheme* (J)
16	GE	Central Lakebelt 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/Pennsula Wetlands (BB)
24	GE	Broward County Secondary Canal System (CC)
30	LD	Loxahatchee National Wildlife Refuge Internal Canal Structures (K) (canal)
31	GE	C-51 Regional Groundwater ASR (LL)
37	GE	Rain Beach County Agricultural Reserve Reservoir (VV)
40	GE	Diver WCAs to Vista Cerma Lake Belt Storage (W)
41	GE	Diver WCAs to Vista Cerma Lake Belt Storage Area (W)
46	NE	Caloosahatchee Backpumping with STA (DDD)
49	GE	Flow to Eastern Water Conservation Area (EEE)
51	LD	Lake Okeechobee Tributary Sediment Draining/Phosphorus Removal (OPE)
52	LD	Lake Istokpoga Regulator Schemat Modification (OPE)
54	SW	Micoosukee Water Management Plan (OPE)
62	SC	Restoration of Pineand & Harlowood Hammocks in C-111 Basin (OPE)
55	SC	Re-route Miami-Dade Water Supply Delivers (SS)
58	SW	Seminole Tribe Big Cypress Water Conservation Plan (East and West) (OPE)
59	GE	North Beach County Wetland-restored Water Reclamation (OPE)

CERP COMPONENTS STATUS AND LOCATIONS BY RECOVER REGIONS



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