### SOUTH FLORIDA ECOSYSTEM RESTORATION (SFER)

**INTEGRATED DELIVERY SCHEDULE (IDS)** 

WORKING GROUP AND SCIENCE COORDINATION GROUP MEETING

Tabitha Elkington, PhD. Strategic Program Manager Jacksonville District Date: 1 September 2022









## **PURPOSE OF THE INTEGRATED DELIVERY SCHEDULE**

- A "road map" that guides projects and maximizes the benefits of all **Comprehensive Everglades** Restoration Plan (CERP) efforts
- Communication tool across the program and with public
- Developed and reviewed each year through an extensive public process with participation of the South Florida Ecosystem **Restoration Task Force and its** Working Group
- Projects and planning timelines organized so that the beginning of one element coincides with progress or completion of others

### www.saj.usace.army.mil/IDS/



#### Environmental / Ecosystem Restoration / Integrated Delivery Schedule

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#### IDS News Release

 Working Draft of 2021 Everglades Restoration Integrated Delivery Schedule available to the public - IDS 101/CERP 68 Components Overview/Listening Session Aug 19 2021 - IDS 101 and Listening Session August 5 2021

Or Google

"CERP IDS"

Q

Ecosystem Restoration	+
pages	

#### **Project Documents**

You can find links to related material at https://evergladesrestoration.gov/content/ids/

#### Integrated Delivery Schedule Status

A formal re-evaluation of the Integrated Delivery Schedule (IDS) was completed in 2015. The IDS was updated in July 2018, October 2019, and September 2020.

• View the 2020 Integrated Delivery Schedule

- View the 2019 Integrated Delivery Schedule
- View the 2018 Integrated Delivery Schedule



### **INTEGRATED DELIVERY SCHEDULE "PLACEMAT"**



**INTEGRATED DELIVERY SCHEDULE 2021 UPDATE FINAL DRAFT** The second secon IDS enors (serio acare) edite o enorth abén SOUTH FLORIDA ECOSYSTEM, FESTORATICA, (STER) VENIMENT 1: NORKH EYSTRID JUNE AND  $\begin{array}{c} \text{Proof is a fit way to define the fit of the fit way to define the fit way to d$ FT 12 12 P2 15 R HANS PTI PARTING PAR 
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# SCHEDULE FOR 2022 IDS UPDATE



**05** August 2022: Integrated Delivery Schedule 101 and

Stakeholder Listening Session

**19 August 2022**: Integrated Delivery Schedule, 68 CERP

Components Overview and Listening Session with

Stakeholders

□ 19 October 2022: Working Draft 2022 IDS Update

□ 18 November 2022: Release of Final 2022 IDS Update





## PURPOSE, INVESTMENTS, PROJECT LOCATOR AND LEGEND





# SOUTH FLORIDA ECOSYSTEM RESTORATION | CENTRAL AND SOUTHERN FLORIDA COMPREHENSIVE EVERGLADES RESTORATION PLA

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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

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 "fop" 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 23 (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.

Four projects successfully completed have been removed from the 2021 IDS: foundation project, Modified Water Deliveries to Everglades National Park; CERP Picayune Strand (Southern Golden Gate Estates) Faka Union and Miller Pump Stations; and CERP Broward County Water Preserve Areas Mitigation Area A Berm.

	Non-federal	++	Does not reflect budgetary development dollars or capability
	Federal	W	Expected WRDA year
[	□□□□● Fiscal Closeout	•XXXX•	Project Implementation Report
[	∆∆∆∆● Monitoring	•XXXX•	Project Implementation Report with Exemption

INV	ECOSYST /ESTMENT	EM RESTOR	RATION (S FY2020 (/	FER) Millions)	
		FEDERAL	-	NON- FEDERAL	
	USACE	DOI	TOTAL	MULTIPLE AGENCIES	GRAND TOTAL
Modified Water Deliveries to ENP	\$ 77.5	\$ 317.3	\$ 394.8	-	\$ 394.8
Critical Projects	\$ 88.9	-	\$ 88.9	\$ 88.2	\$ 177.0
Kissimmee River Restoration	\$ 402.5	-	\$ 402.5	\$ 396.5	\$ 799.0
C&SF Non-CERP	\$ 773.7	\$ 51.8	\$ 825.5	\$ 225.1	\$ 1,050.5
C&SF CERP	\$1,492.9	\$ 112.5	\$1,605.4	\$1,820.5	\$ 3,425.9
C&SF CERP, to be credited			-	\$ 963.9	\$ 963.9
TOTAL SFER	\$ 2,835.5	\$ 481.6	\$3,317.1	\$ 3,494.1	\$ 6,811.2
Herbert Hoover Dike	\$ 1,506.2	-	\$ 1,506.2	\$ 100.0	\$ 1,606.2
Restoration Strategies and ECP	-	-	-	\$ 2,041.6	\$ 2,041.6

Design, PPA Execution, Real Estate Acquisition

Operational Testing and Monitoring Period

Operational Plan

Construction (Initiated by award of construction contract)



SCAN THIS CODE

OF THE IDS

FOR QUICK ACCESS

TO A DIGITAL COPY



## IDS 2021: PLANNING ESTIMATES OF TOTAL SFER CONSTRUCTION COST



### Final Draft Estimate for Total SFER Construction is

~\$8.3 billion from 2020 to 2030

Funding shown for Fiscal Year 23 (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.





# IDS 2021: NON-CERP AND FOUNDATION PROJECTS



Project	Components		2020 W	2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W
Herbert Hoover Dike <sup>1</sup>					<b></b>										
Lake Okeechobee System Operating Manual <sup>1</sup>		ion	00000	00000	0000●										
Restoration Strategies <sup>1</sup>		dat						-•							
Tamiami Trail Next Steps (TTNS) Phase 2 <sup>1</sup>		ung	•••••	•••••			•								
Kissimmee River Restoration Construction	Not applicable - Non	Ц Ц		•										••	
Kissimmee River Restoration - Development of Operational Transition Plan/Evaluation Monitoring	CERP	ERP 8		•0000	00000	00000	00000	00•ΔΔΔΔ	۵۵۵۵۵	۵۵۵۵	۵۵۵۵۵	۵۵۵۵			
C-111 South Dade Construction (complete)		-u U	•0000•	•											
C-111 South Dade - S-332 B Pump Station Replacement		N N	xxxxx•	•			•		•	•0000					
C-111 South Dade - S-332 C Pump Station Replacement			xxxxx•			•••••		····•			<b></b> •	• <b>0000</b> •			









# IDS 2021: CERP GENERATION 1, WRDA 2007



	Yellow Book				FISCAL YEAR												
Project	Components		2020 W	2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W		
Picayune Strand Restoration		7							•======								
Flood Protection Features - Conveyance		500	····•—			<b>——</b> •	•0000•										
Flood Protection Features - Levee	OPE	Ë	····•				<b>_</b> •										
Road removal		ed			<b></b> •												
Canal plugging		oriz		•	•			•									
Indian River Lagoon-South		) the															
C-44 Reservoir	В	DA DA		•	•00000	00000											
C-44 STA & Pump Station	В	1 د NR	•	•00000	•0000												
C-23/24 Reservoir North	UU Phase 1	tion	tion	tion	•••••	•••••		····•						•	• <b>0000</b> •		
C-23/24 Reservoir South	UU Phase 1	era	•••••	•••••			·····•						•	• <b>0000</b> •			
C-23/24 STA	UU Phase 1	en	•••••		I			•	•0000•								
C-25 Reservoir	UU Phase 2	<u>ل</u>			•••••						•	•0000•					
C-25 STA	UU Phase 2	CER			•••••						•	•0000•					
C-23/C-44 Interconnect		Ŭ	•••••	••••••	•	•	•0000•										
Natural Water Quality Storage Areas, Muck Removal and Artificial Habitat Creation (Phase 2) - PACR and PPA - After execution, SFWMD leading Design and Construction				•		•											











# IDS 2021: CERP GENERATION 2, WRDA 2014



	Yellow Book				FISCAL YEAR										
Project	Components		2020 W	2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W
Caloosahatchee River (C-43) West Basin Storage		(Ad								•					
Pump Station and Reservoir	D	VRI				•	•00000	00000•							
Broward County Water Preserve Areas		4 >													
C-11 Impoundment	Q	201		•••••	•••••	•——					<b></b> •	•00000	$\diamond \diamond \diamond \diamond \diamond \bullet$		
WCA 3A & 3B Seepage Management	0	.E				•••••	•••••	•••••	•——	•	●◊◊◊◊●				
C-9 Impoundment	R	ed					•••••	•••••	•••••	•			•	•00000	00000
Biscayne Bay Coastal Wetlands Phase 1	FFF, OPE, Phase 1	oriz							•	●					
L-31 East Flow-way S-709 Pump Station (PS) and S-705 PS		uth	····•		•	• <b>0000</b> •									
L-31 East Flow-way S-703 PS		n 2 (A		····•—		• <b>◊</b> ◊	00000•								
L-31 East Flow-way S-710 PS, S-711 PS, and C-711W Seepage Canal		neratio					<b></b> •	•0000•							
Cutler Wetlands		Ger	•••••		••••	_		• <b>\</b>	00000						
C-111 Spreader Canal Western Project (Requires PPA - To Be Reconciled in parallel to BBSEER) SFWMD led Design and Construction	WW, Phase 1	CERP						••	•	●					











## IDS 2021: CENTRAL EVERGLADES PLANNING PROJECT, WRDA 2016



	Yellow Book				FISCAL YEAF	2									
Project	Components														
Control Fueraladas Diamina Dusiast			2020 W	2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W
	AA, FF, H, QQ PI, G							1							
Decomp Physical Model (work performed under Master Design Agreement)	QQ														
CEPP South: Additional outlet structures needed to move more water south	AA, FF, H, QQ														
Validation Report - S152 and Backfill Treatments				•	•••••										
S-152 and Existing Backfill Treatments (Permanent)					•0000•										
Remove Old Tamiami Trail			•	•											
Structures S-631, S-632, S-633 & gap in L-67C Levee S Spoil Removal			····•				•◊◊	00000•							
Increase S-356E Pump Station and S-334E Gated Spillway			•			····•—				•	•00000	00000•			
Demolition of existing S-356E Pump Station								•••••			•——	<b></b> •			
Gated Spillway S-355W			•			····•—		<b></b> •	•00000	◊◊◊◊◊♦●					
Gated Structure S-333N			•	•0000•											
Removal L-67C & L-67 Ext, Construct L-67D Levee and gap in L-67C Levee N					•		•		•	•00000	◊◊◊◊◊♦●				
Removal L-29 Levee & Backfill L-67 Extension		020				•		·····•—		•	•00000	00000●			
L-29 Temporary Pumps		3, 21		•	•		•\$\$	00000•							
		1018													
CEPP North: Inflow facilities needed to restore northern WCA-3A and move additiona	1	.6,2													
water south to Everglades	QQ, II	201													
Validation Report		PA		•	•••••										
L-4 Degrade, Pump Station S-630		N N		•••••		•		•	•0000•						
S-8 Pump Station Modifications		.= T		••••••		•		•	•00000	000000					
L-6 Diversion		izeo		••••••	•			•	•00000	000000					
Miami Canal Backfill/Tree Islands		lor			•••••		•		•	•00000	000000				
L-5 Canal Improvements		(Aut			•••••		•		•	•00000	000000				
CEPP New Water: Moves New Water South, Stores It, and Treats It with required		RP													
seepage management Before Going to the Everglades		B													
Validation Report					•	•••••									
Seepage Barrier L-31N	V					•••••		•	•	•00000	00000•				
CEPP EAA: Moves New Water South, Stores It, and Treats It Before Going to the															
Everglades	G, C, E														
EAA Reservoir - A-2 STA			•			•	•00000	000000							
EAA Reservoir - Canal Conveyance Improvements to North New River and Miami															
River Canals				•••••		•	•00000	00000							
EAA Reservoir - Seepage Canal (7.2 miles) and Inflow/Outflow Canal			•	····•—		•	•00000	00000•							
EAA Reservoir - Foundation and Cutoff Wall			•		····•—			•							
EAA Reservoir - Embankment, Outlet Works and Inline Spillway •			•			····•						•	•00000	000000	
EAA Reservoir - Inflow Pump Station •			•									•	•00000	000000	



# IDS 2021: CERP GENERATION 4, WRDA 2020



	Yellow Book				FISCAL YEAR										
Project	Components		2020 W	2021	2022 W	2023	2024 W	2025	2026 W	2027	2028 W	2029	2030 W	2031	2032 W
	14 OD5	2020													
Loxahatchee River Watershed Restoration Project	K, OPE	V			•••••										
Flow-way 1 (M-1 Canal, G160/161 and Grassy Water Preserve)		RD				•••••		•		•	•0000•				
Flow-way 2 (C-18 Reservoir, ASR Wells)		3				•••••		•				•	•00000	00000	
Flow-way 3 (Gulf Stream West, Nine Gems, Culpepper, Moonshine, Hobe Grove, and		ERP													
Kitching Creek)		C			•••••	••••					•	•00000	00000		







### IDS 2021: PLANNING PE



## **PLANNING PROJECTS**

PROJECT	2020 W	2021	2022 W	2023	2024 W	2025	2026 W
Lake Okeechobee Watershed Restoration Project (LOWRP) (Anticipate WRDA 2022 Authorization) <sup>4</sup>	XXXXXXXX	XXXXXXXX	xxxxxxx.				
Western Everglades Restoration Project (WERP) (Anticipate WRDA 2024 Authorization) <sup>4</sup>	XXXXXXXX	XXXXXXXX	XXXXXXXX	xxxxxxx.			
, Biscayne Bay Southeastern Everglades Ecosystem Restoration (BBSEER) (Anticipate WRDA 2026 Authorization) <sup>4</sup>	•xx	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	*****	
Southern Everglades (Anticipate WRDA 2028 Authorization) <sup>4</sup>				•xxxxxx	XXXXXXXX	XXXXXXXXX	xxxxxxx•
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.)							

#### COMPENENCIAL PRECADE REITORATION PANI LAKE OKEECHOBEE WATERSHED RESTORATION PROJECT FINAL INTEGRATED PROJECT IMPLEMENTATION REPORT AND ENVIRONMENTAL IMPACT STATEMENT

August 2020









### **IDS 2021: GETTING THE WATER RIGHT**

#### SOM VOLUMES BY REGION



NOTE: Project Locators correspond to IDS Front Placemat

#### 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 sattwater 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).

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 (DPOMs). 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.





### System Operating Manual





SOM VOLUMES BY REGION

### **IDS 2021: GETTING THE WATER RIGHT**



### SYSTEM OPERATING MANUALS: THE CRITICAL LAST STEP IN GETTING THE WATER RIGHT AND ACHIEVING MAXIMUM SYSTEM-WIDE BENEFITS



No CERP Projects

- CERP Project Operating Manuals (POMs)
  - Project-Specific Information

# WHAT IS RECOVER?

 Promotes an integrated view to CERP implementation to ensure that CERP goals and purposes are achieved

- Multi-agency team of scientists, modelers, planners, and resource specialists
- Conducts scientific and technical evaluations and assessments
   Applies a system-wide perspective to the planning and implementation of CERP
- Communicates and coordinates the results of technical evaluations and assessments to managers, decision makers, and the public



# WHAT ARE THE FUNCTIONS AND ROLES OF RECOVER?





CERP Programmatic and system-wide perspective Collaborative and consensus-based

Ensures CERP implementation is guided by the best available science

Three Major Missions:

- » Assessment measuring performance of projects through research and monitoring
- » Evaluation forecasting project performance through predictive modeling and performance measures

Planning - integrating RECOVER with planning and operation of the system



### WHERE CAN I FIND THE COMPONENTS IN THE IDS?



THAT THAT DRAFT			
	#	RR	YELLOW BOOK NAME AND CODE
	10	SC	Change Coastal Wellfield Operations (L)
angle of a second secon	11	GE	Site 1 Impoundment with ASR* (M)
	0 16	GE	C-4 Structures (T)
	<b>IEK</b> 19	LO	Taylor Creek/Nubbin Slough Storage and Treatment Area* (W)
	<b>EK</b> 25	GE	Modified Holy Land Wildlife Management Area Water Management Operations (DD)
THE RESTORATION SOLICE DEPARTMENT OF A DEPARTM	26	GE	Modified Rotenberger Wildlife Management Area Water Management Operations (EE)
Construction of the constr	≥ 38	SC	C-111 Spreader Canal* (WW) – Phase 2 in Planning
High on grandwater water and the notation of the constant of t	42	GE	Lower East Coast Water Conservation (AAA)
CONTrol and a second second second and a second sec	<u>H</u> 48	GE	C-51* and Southern L-8 Reservoir (GGG)
Market Na de conservation de registration de r	50 SE	LO	Lake Okeechobee Watershed Water Quality Treatment Facilities (OPE)
Option between to other provide of the provide of and the constrained of the constrained	<b>a</b> 56	GE	Acme Basin B (OPE)
achieves Operating Supersystem (Colling) Construct Operating Supers	<b>≅</b> <u>57</u>	NE	Lake Worth Lagoon Restoration* (OPE)
mo rai and and an	O 58	GE	Winsberg Farms Wetlands Restoration (OPE)
<ul> <li>A second s</li></ul>	60	GE	Protect and Enhance Existing Wetlands Systems along Lox (Strazzulla Tract) (OPE)
Operating Operating Programmer And Providence of according to provide and according and pro	64	GE	Southern CREW Project Addition (OPE)
speed construction of the one of	≥ 65	GE	Lake Trafford Restoration (OPE)
	<b>Q</b> 66	GE	Henderson Creek/Belle Meade Restoration (OPE)
TX CONDUCTION MILITARY SCHOOL OF AN ADDRESS OF ADDRESS	0 67	GE	Lake Park Restoration (OPE)
CONTRACTOR OF CONTRACTOR	68	SC	Florida Keys Tidal Restoration (OPE)
University of the second secon	69	ALL	Melaleuca Eradication and Other Exotic Plants (OPE)
U BLOOMPOLIDADE CONCENTRATION OF ALL AND ALL A	2	NE	St. Lucie/C-44 Basin Storage Reservoir (B)
	3	NE	Environmental Water Supply Deliveries to St. Lucie Estuary (C)
UNC OF DOUBLESS CONTRACT,	4	NE	Caloosahatchee Basin Storage Reservoir with ASR* (D)
Biological Conference of	NO 5	NF	Environmental Water Supply Deliveries to Caloosahatchee Estuary (E)
No. Construction of the Co	EXAMPLE		EAA Storage Reservoir (G)
KANNON     KANNON PARA	ĭ ×	GI	Everglades Rain-Driven Operations* (H)
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Reference: 2021 Integrated Delivery Schedule (IDS)



# **COMPONENT VS. PROJECT**



18

### **CENTRAL EVERGLADES RESTORATION PROJECT (CEPP)** Authorized: WRDA 2016, 2018 and 2020

### **CERP Components (9):**

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

### $-\sum_{n=1}^{\infty}$ Did you know?

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

PROJECT LOCATOR	YELOW BOOK COMPONENTS	PROJECT
D14	AA, FF, H, QQ P1, G	Central Everglades Planning Project (CEPP)
P14	QQ	Decomp Physical Model (work performed under Master Design Agreement)





# STATUS TERMINOLOGY OVERVIEW



**AUTHORIZED/ DESIGN/CONSTRUCTION** Component part of a project approved by WRDA - start or continue implementation activities

**COMPLETED OR PHASE I IMPLEMENTED** Partially or completely constructed and operational

**PLANNING/FEASIBILITY** Currently evaluated for future implementation

IDS **STATUS** 

PENDING

upcoming study

DEAUTHORIZED Similar framework has been deauthorized due to lack of funding and activity - Component may be considered in a future Planning Implementation Report (PIR) to be considered in an

-Ò- Did you know?

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



## **COMPONENTS OVERALL STATUS**

SOUTH FLO





# 68 components & OPE Melaleuca = 100%

Deauthorized (4%)

Completed or Phase I Implemented (29%)

Authorized/Design/Construction (29%)

Planning/Feasibility (12%)

Pending (26%)

**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: component part of a project approved by WRDA. Start or continue implementation activities

Planning/Feasibility: currently evaluated for future implementation

**Deauthorized:** Similar framework has been deauthorized due to lack of funding and activity – Component may be considered in a future Planning Implementation Report (PIR)

Pending: to be considered in an upcoming study

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## **SCIENCE DRIVING RESTORATION**



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### Southern Coastal Systems: System Status Report Card Score – 38%

Poor

Source: 2019 Everglades Health Report Card (afpims.mil)



These regions or indicators are extremely vulnerable and are unable to provide ecosystem function. Essential ecological functions are extremely degraded and unsustainable.

These regions or indicators are highly vulnerable and are strugaling to provide ecosystem function. Essential ecological functions are highly degraded and unsustainable.

These regions or indicators are

degradation and provide

are degraded and

unsustainable.

minimal ecosystem function.

Essential ecological functions

vulnerable to further ecological

60-80% Good

sustainable

These regions or indicators are These regions or indicators are slightly vulnerable, but are minimally vulnerable and are maintaining ecosystem maintaining high ecosystem function. Essential ecological function. Essential ecological functions are somewhat functions are sustainable.

80-100% Very good





## HOW DO YOU PICK NEXT COMPONENTS





Google Earth Imagery

# Southern Everglades Restoration Project

Authorized: Future Study

### **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 GGG: C-51 and Southern L-8 Reservoir
- 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



# SCHEDULE FOR 2022 IDS UPDATE

**05** August 2022: Integrated Delivery Schedule 101 and

Stakeholder Listening Session

**19 August 2022**: Integrated Delivery Schedule, 68 CERP

Components Overview and Listening Session with

Stakeholders

□ 19 October 2022: Working Draft 2022 IDS Update

□ 18 November 2022: Release of Final 2022 IDS Update









**USACE | JACKSONVILLE DISTRICT** 

## SOUTH FLORIDA ECOSYSTEM RESTORATION PROGRAM

**THANK YOU!**