



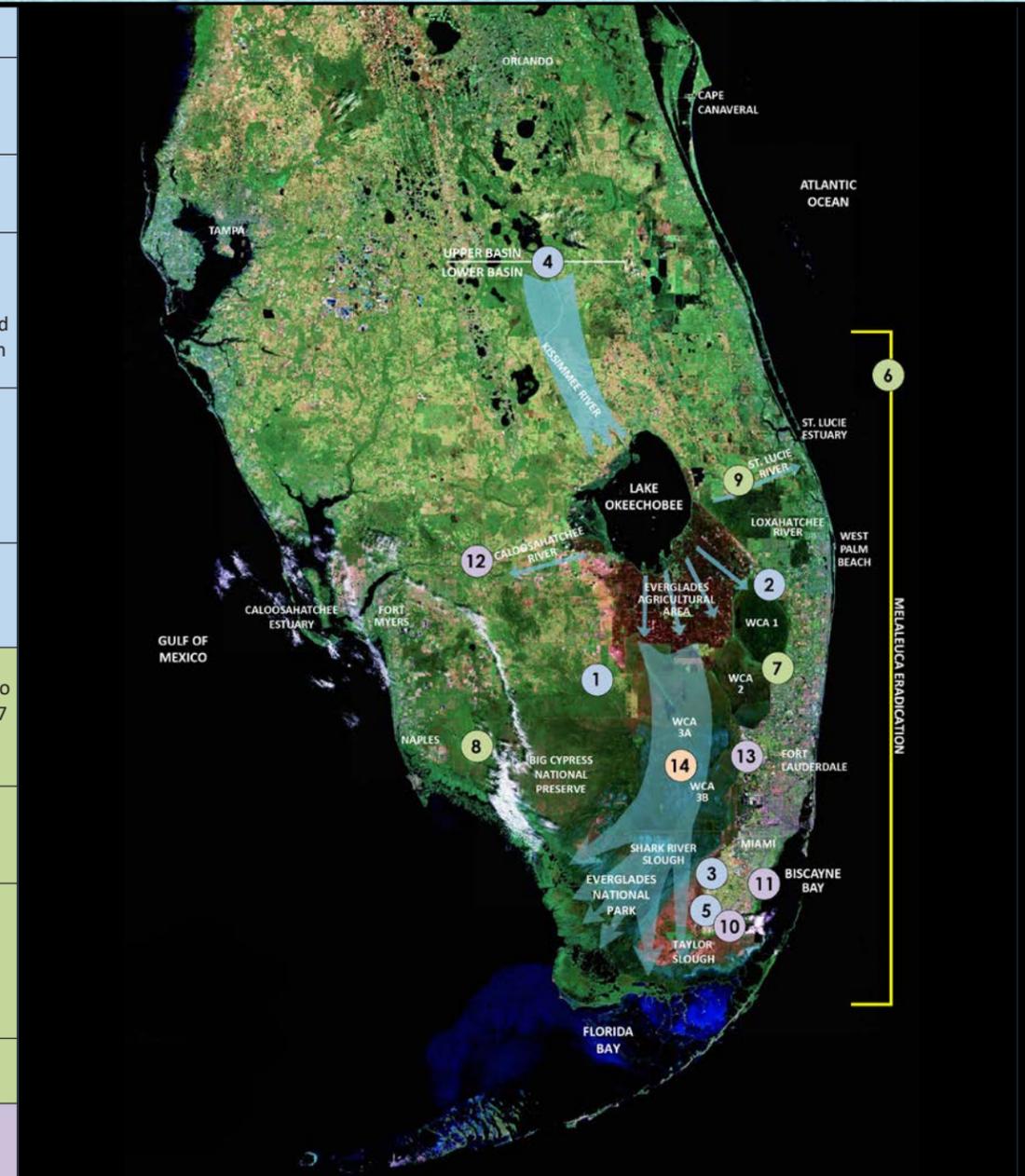
# WORLD'S LARGEST AQUATIC ECOSYSTEM RESTORATION PROGRAM

## SFER KEY ACCOMPLISHMENTS SINCE DECEMBER 2016

- **Modified Water Deliveries to Everglades National Park:** Physical construction complete.
- **Herbert Hoover Dike:** Over \$1 billion invested for public safety (includes \$50M from the State of Florida). The State will provide an additional \$50M in 2018.
- **Seminole Big Cypress:** Physical construction complete and features turned over to the Seminole Tribe of Florida for OMRR&R (cost-shared with Corps).
- **Tamiami Trail Next Steps Phase 1:** Construction completed ahead of schedule.
- **Kissimmee River:** Two final construction contracts ongoing.
- **C-111 South Dade:** Critical construction features completed 30 June 2018.
- **CERP Picayune Strand:** Construction complete for Faka Union Pump Station; transferred to SFWMD for OMRR&R (cost-shared with Corps).
- **CERP Site 1 Impoundment Phase 1:** Construction complete; features transferred to SFWMD for OMRR&R (cost-shared with Corps).
- **CERP Broward County Water Preserve Areas:** Project Partnership Agreement (PPA) executed; initiate construction of the Mitigation Area A Berm.
- **CERP Biscayne Bay Coastal Wetlands:** PPA executed; construction completed for culverts on the L-31 East Flow-way and features transferred to SFWMD for OMRR&R (cost-shared with Corps).
- **CERP Central Everglades Planning Project:** Authorized in WRDA 2016; Validation Report initiated.
- **Initiate Project Implementation Report (PIR) on:** Loxahatchee River Watershed Restoration; Lake Okeechobee Watershed Restoration; Western Everglades Restoration.
- **State of Florida** completed Everglades Agricultural Area (EAA) Section 203 Report and submitted to Congress for authorization in WRDA 2018.

### Benefits and Implementation to Date Since FY2000

1 - Seminole Big Cypress	<b>Conveyance &amp; Treatment</b> <ul style="list-style-type: none"> <li>• Approximately 1,500 acres of wetlands restored in Basins 1, 2, and 4.</li> <li>• East conveyance system completed.</li> </ul>
2 - West Palm Beach Canal/Stormwater Treatment Area (STA)-1E	<b>Storage &amp; Treatment</b> <ul style="list-style-type: none"> <li>• 6,000 acres of storage and treatment.</li> </ul>
3 - Modified Water Deliveries to Everglades National Park	<b>Storage, Conveyance &amp; Seepage Management</b> <ul style="list-style-type: none"> <li>• Increment 1 of G-3273 and S-356 Pump Station Field Test began 15 October 2015.</li> <li>• G-3273 Relaxation and S-356 Pump Station under Increment 1, 1.1, and 1.2 and operations have increased the net flow of water into Northeast Shark River Slough in Everglades National Park.</li> </ul>
4 - Kissimmee River Restoration	<b>Conveyance</b> <ul style="list-style-type: none"> <li>• Continuous flow restored to 22 miles of the Kissimmee River.</li> <li>• The area of wetland vegetation in the Phase I area has surpassed the predicted 80% of flow area (up from 37% prior to restoration)</li> <li>• Aquatic wading bird population in restored river and flow region is more than five times greater than before restoration.</li> </ul>
5 - C-111 South Dade	<b>Storage &amp; Seepage Management</b> <ul style="list-style-type: none"> <li>• C-111 South Dade combined with Interim Operational Plan operations moved 70% of flow at S-176 into South Dade detention areas.</li> <li>• Hydroperiods in ENP are on average 60 days longer near detention areas.</li> </ul>
6 - Melaleuca Eradication	<b>Invasive Species Control</b> <ul style="list-style-type: none"> <li>• To date, there have been over 1,500 release events: 1,160 releases of air potato beetles (282,771 insects), 171 releases of water hyacinth plant hoppers (1,608,657 insects), 176 releases of Lygodium moths (1,481,139 insects), and 40 releases of Lygodium mites (741,928 insects). All agents are proving effective.</li> </ul>
7 - Site 1 Impoundment	<b>Seepage Management &amp; Storage</b> <ul style="list-style-type: none"> <li>• L-40 Levee Rehabilitation (Phase 1) provided approximately 16% reduction in seepage loss from Water Conservation Area 1.</li> </ul>
8 - Picayune Strand Restoration	<b>Conveyance</b> <ul style="list-style-type: none"> <li>• Approximately 20,000 acres restored with Prairie and Merritt Canal project phase.</li> <li>• Approximately 600 acres restored with Faka Union Canal project phase.</li> <li>• Manatee Refugia feature provides manatees a connection to the warm groundwater in the winter months.</li> </ul>
9 - Indian River Lagoon-South C-44 Reservoir & STA	<b>Storage &amp; Treatment</b> <ul style="list-style-type: none"> <li>• Intake canal completed to provide the water supply source for the reservoir.</li> </ul>
10 - C-111 Spreader Canal Western Project	<b>Conveyance &amp; Storage</b> <ul style="list-style-type: none"> <li>• State of Florida completed the majority of the project features to retain water flow in 590-acre Frog Pond Detention Area.</li> <li>• Early results indicate flow has increased by 25% into Taylor Slough.</li> </ul>
11 - Biscayne Bay Coastal Wetlands - Phase One	<b>Conveyance &amp; Distribution</b> <ul style="list-style-type: none"> <li>• State of Florida completed Deering Estate and portion of the L-31 East culverts that distribute freshwater flow to coastal wetlands.</li> <li>• Sawgrass has expanded eastward toward the bay near L-31 culverts, which indicates more consistent freshwater flows.</li> </ul>
12 - C-43 Western Basin Storage Reservoir	<b>Storage</b> <ul style="list-style-type: none"> <li>• Design and construction by SFWMD on phase 1 began in 2015.</li> <li>• Site has been used to test reservoir designs and store 14,000 acre-feet of water that would have entered the Caloosahatchee River Estuary.</li> </ul>
13 - Broward County Water Preserve Areas	<b>Storage &amp; Seepage Management</b> <ul style="list-style-type: none"> <li>• Design of C-11 Impoundment has started with completion scheduled for 2021.</li> </ul>
14 - Central Everglades Planning Project	<b>Storage, Treatment, Conveyance and Seepage Management</b> <ul style="list-style-type: none"> <li>• Project authorized in WRDA 2016.</li> <li>• CEPP South Validation Report for southern components initiated in October 2017.</li> <li>• Design of removal of old Tamiami Trail and increase in S-333N structure initiated.</li> </ul>



### Adaptive Operations of the System

**Herbert Hoover Dike:** Public safety is the first priority. Over \$1B invested to date including \$50M from the State of Florida. \$514M received in Supplemental funds and an additional \$50M to be provided by the State of Florida. An additional \$162M is required in FY19 to complete the project by 2022. The Lake Okeechobee Regulation Schedule (LORS) update will sync with completion of HHD in 2022.

#### Lake Okeechobee Regulation Schedule

- Update to regulation schedule will sync with HHD Rehab completion.
- Operations manage water flow to estuaries, Everglades Agricultural Area, Everglades and Florida Bay.
- Dependent upon Flood Risk Management O&M Funding in FY19-FY22.

#### Combined Operational Plan

- Key to achieve benefits of the Modified Water Deliveries and C-111 South Dade Projects.
- Operations manage water flow from Water Conservation Area 3 to Everglades National Park and Florida Bay and reduce water loss to the east from Everglades National Park.
- COP is funded from: (1) C-111 South Dade Construction Project (36%); (2) Mod Waters Construction Project (39%); (3) SFER: C&S O&M Program (25%).

