

**Comprehensive Everglades Restoration Plan (CERP)**

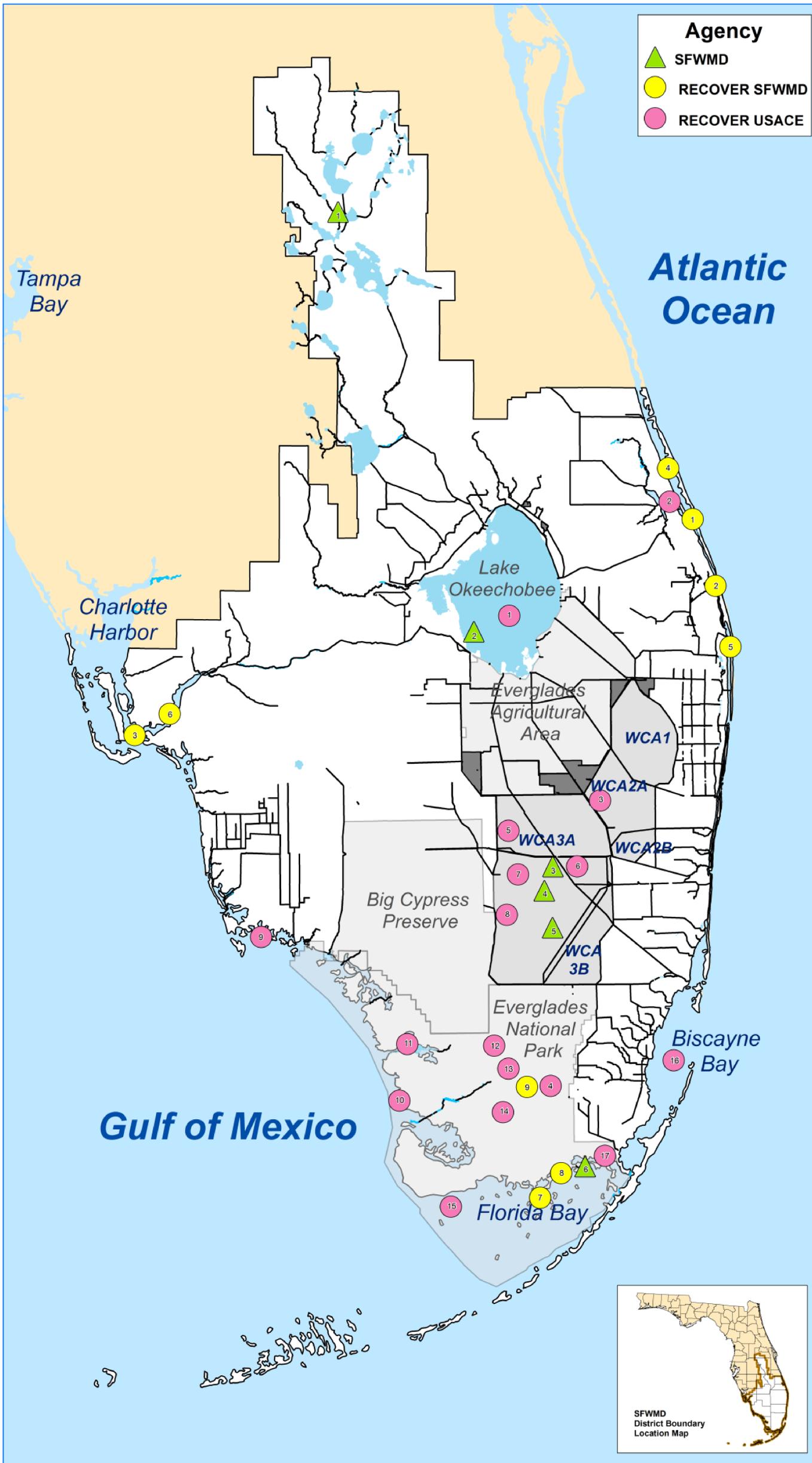
**Restoration COordination & VERification (RECOVER)**

RECOVER is the multiagency CERP team responsible for system-wide scientific planning, evaluation and assessment. RECOVER's objectives are to (1) evaluate and assess CERP performance; (2) refine and improve the design and operation of the plan during implementation; and (3) ensure that a system-wide perspective is maintained.

All of RECOVER's activities are cost-creditable under the Water Resource Development Act of 2000 and 2007.

**RECOVER USACE**

- 1 Lake Okeechobee monitoring of size, location & species composition of nesting colonies of long-legged wading birds; aerial surveys March – June.
- 2 Benthic Infauna; physical WQ & sediment composition; 7 stations; quarterly.
- 3 Ridge & Slough Maintenance & Degradation.
- 4 Marl Prairies Slough Gradients; vegetation; 6 transects in sloughs & prairies.
- 5 EDEN Water Levels throughout the Greater Everglades.
- 6 Landscape Pattern Ridge & Slough; 16/year; 4 Tree Islands in WCA 3A & 3B.
- 7 Aquatic Fauna; periphyton production; throw traps in 38 areas; annually.
- 8 Aerial & ground surveys of nesting colonies monthly Jan. – June to evaluate the response to CERP implementation.
- 9 Hydrologic Monitoring of Rivers & Bays in the Ten Thousand Islands 5 Tidal Rivers; continuous flow, salinity & temperature.
- 10 Coastal Gradients, fresh water flow, volume, levels, salinity & temperature at Creeks & Rivers.
- 11 Marsh/Mangrove Fish Habitats; acoustic tags & electroshocking for fish in Fresh Water tributaries that lead to estuarine embayments; transects in Shark River Slough & Tarpin Bay.
- 12 Dry Season Prey; crayfish, fish & periphyton; 10 areas; annually.
- 13 ENP Tree Island Habitat Condition & Community Structure surveys.
- 14 ENP Vegetation Mapping.
- 15 Fish sampling; May to October monthly.
- 16 Integrated Biscayne Bay Ecological Assessment & Monitoring; epifauna, fish, SAV.
- 17 SAV, Wading Birds & Aquatic Fauna; 6 locations.



**RECOVER SFWMD**

**Oysters**

- 1 St. Lucie River Estuary; 3 stations; monthly.
- 2 Loxahatchee River Estuary; 2 stations; monthly.
- 3 Caloosahatchee River Estuary; 4 stations; monthly.

**Submerged Aquatic Vegetation**

- 4 Southern Indian River Lagoon; 7 stations; 7 times per year.
- 5 Lake Worth Lagoon; 2 stations; annually.
- 6 Caloosahatchee River Estuary; 5 stations; bimonthly.
- 7 Fish Habitat Assessment Program, Florida Bay & SW coast; 17 basins, annually.
- 8 SAV & prey fish in Florida Bay; bi-monthly.

**Tree Islands**

- 9 Surface/Groundwater study in WCA3A & 3B; vegetation plots & transects on 4 islands; tree recruitment, growth, water levels & nutrients.

**SFWMD**

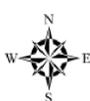
- 1 Kissimmee Chain of Lakes
  - Littoral vegetation mapping; every 2-3 years per lake
  - Middle basin bathymetry; one-time survey
  - Vegetation monitoring and wetland assessment; 150-250 quadrats; annually
- 2 Lake Okeechobee
  - Food Web and Habitat Utilization Studies; 3 stations; monthly
  - Plankton, Zooplankton, and Bloom Monitoring; 4 stations; quarterly
  - Cyanotoxins; 6 stations; monthly
  - SAV annual mapping
  - SAV quarterly transects
  - Emergent Marsh Vegetation-Mapping; at least every 3 years
  - Emergent Marsh Vegetation-Boat Surveys; 18 stations; annually
  - Wading Bird Foraging; 28 transects; twice monthly Dec-May for operations
- 3 Everglades Wading Bird Surveys foraging & nesting in response to current hydrological conditions; monthly during the Jan-Jun nesting season to guide operations.
- 4 Everglades Lygodium surveys; Located in 30-50 tree islands in WCA-3A.
- 5 WCA3 Tree Island inundation and dry-down surveys.
- 6 Florida Bay eastern nearshore SAV assessment; 12 coastal embayments; SAV spatial cover and density at 12 sites; quarterly to semi-annually.

**Ecological Monitoring**



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0 10 20 30 40 Miles

0 20 40 60 Kilometers

**IMPORTANT DISCLAIMER:**

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