

# Appendix 8-2: Northern Everglades Annual Work Plan for Fiscal Year 2014

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This Northern Everglades Annual Work Plan was prepared pursuant to the requirements of Section 373.026(8)(b), Florida Statutes (F.S.), which states that prior to the release of state funds for implementation of the Lake Okeechobee Watershed Protection Plan or the River Watershed Protection Plans, the South Florida Water Management District (SFWMD or District) must prepare an annual work plan, as part of the annual consolidated report, that is consistent with the goals and objectives of Section 373.4595, F.S. Upon a determination by the Florida Department of Environmental Protection's (FDEP) secretary of the annual work plan's consistency with the goals and objectives of Section 373.4595, F.S., the secretary may approve the release of state funds.

The Northern Everglades coordinating agencies—SFWMD, FDEP, and Florida Department of Agriculture and Consumer Services (FDACS)—have requested to spend Save Our Everglades Trust Funds (SOETF) dollars for implementation of the projects identified in the Lake Okeechobee, Caloosahatchee River, and St. Lucie River Watershed Protection Plans (Protection Plans) delivered to the Florida legislature. The projects collectively identified by the coordinating agencies that will be implemented in Fiscal Year 2014 using SOETF funding are listed below with an asterisk (\*) and are an integral part of the Lake Okeechobee and River Watershed Protection Plans. To provide a more comprehensive picture, projects that will be implemented in Fiscal Year 2014 to further the goals and objectives of the Northern Everglades and Estuaries Protection Program but will be funded by other funding sources are also included in the list. Please note that this work plan is subject to change throughout the fiscal year as deemed appropriate by the coordinating agencies.

## Lake Okeechobee Watershed

### I. Construction Project and Other Related Activities

- Lake Okeechobee Basin Management Action Plan<sup>3</sup>
- Lakeside Ranch – Phase I North (O&M)<sup>1</sup>
- Taylor Creek Pilot STA (O&M)<sup>1</sup>
- Kissimmee River Restoration<sup>7</sup>
- Dispersed Water Management Program
  - Florida Ranchlands Environmental Services Project<sup>1,2,3</sup>

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<sup>1</sup> South Florida Water Management District is the lead agency.

<sup>2</sup> Florida Department of Agriculture and Consumer Services is the lead agency.

<sup>3</sup> Florida Department of Environmental Protection is the lead agency.

- Nicodemus Slough Water Management Project\*<sup>1</sup>
- Istokpoga Marsh Watershed Improvement District – Water Quality Improvement Project <sup>1,2,3</sup>
- Northern Everglades Payment for Environmental Services Program<sup>1</sup>
- Private Lands Projects<sup>1</sup>
- Public Lands Projects<sup>1</sup>
- Rolling Meadows Wetland Restoration<sup>1</sup>
- Feasibility and Conceptual Planning Studies
  - Water Treatment and Storage Alternatives Feasibility Analysis for the Taylor Creek and Brady Ranch Properties – S-191 Basin<sup>1</sup>
  - Lake Okeechobee Watershed Pre-Drainage Characterization Modeling<sup>1,2,3</sup>
- Lake Okeechobee Regulation Schedule<sup>1</sup>
- In-lake Navigation/Recreation Enhancements<sup>4</sup>
- CERP ASR Regional Study<sup>8</sup>
- Other Cooperative Local Projects<sup>1</sup>

## II. Pollutant Control Program

- Agricultural<sup>2</sup> and Urban<sup>3</sup> BMPs \*
- Regulatory Programs
  - SFWMD Regulatory Nutrient Source Control Program<sup>1</sup>
- Innovative Treatment Technologies (Watershed Phosphorus Reduction Projects)<sup>1,2,3</sup>
  - Hybrid Wetland Treatment Technology<sup>2</sup>
  - Permeable Reactive Barriers<sup>1</sup>

## III. Research and Water Quality Monitoring Program (as described in the Research and Water Quality Monitoring Plan)

- Regional Phosphorus Control Project Monitoring (Taylor Creek STA, Nubbin Slough STA, Lakeside Ranch STA)<sup>1</sup>
- Water Quality Assessment and Reporting (Lake Okeechobee Operating Permit)<sup>1</sup>
- Sub-basin Monitoring Flow Network (USGS)<sup>2</sup> and Sub-basin Water Quality Monitoring<sup>1</sup>
- Kissimmee River Related ecological, water quality and flow monitoring<sup>1</sup>
- Lake Okeechobee In-Lake Assessment Projects<sup>1</sup>
- Exotics and Nuisance Species Control<sup>1</sup>
- Upper Chain of Lakes Nutrient Budget Development<sup>1</sup>
- In-lake and Watershed Modeling<sup>1</sup>

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<sup>4</sup> Glades County is the lead agency.

- Lake Okeechobee Water Quality Model<sup>1</sup>
- Watershed Assessment Model<sup>1,2</sup>
- Lake Okeechobee Watershed Assessment (LOWA) Monitoring in Upstream Tributaries<sup>1</sup>
- BMP Demonstration and Optimization in District Lands and Private Partnerships<sup>1</sup>

### Caloosahatchee River Watershed

#### I. Construction Project and Other Related Activities

- C-43 Boma – Water Quality Treatment and Testing\*<sup>1</sup>
- Caloosahatchee Basin Storage/Treatment Project<sup>1</sup>
  - Lake Hicpochee North Hydrologic Enhancement Project\*<sup>1</sup>
  - Mirror Lakes (Halfway Pond) Rehydration<sup>5</sup>
- Four Corners/Spanish Creek Initiative
  - Four Corners Restoration (Bob Janes and Daniels Preserves)\*<sup>1,6</sup>
  - County Line Ditch\*<sup>1,7</sup>
- Dispersed Water Management Program
  - Northern Everglades Payment for Environmental Services Program<sup>1</sup>
  - Northern Everglades Cost-Share Projects<sup>1</sup>
  - Private Lands Projects<sup>1</sup>
  - Public Lands Projects<sup>1</sup>
  - Water Farming Feasibility Study<sup>1</sup>

#### II. Pollutant Control Program

- Agricultural<sup>2</sup> and Urban<sup>3</sup> BMPs\*
- SFWMD Regulatory Nutrient Source Control Program<sup>1</sup>

#### III. Research and Water Quality Monitoring Program (as described in the Research and Water Quality Monitoring Plan)

- Caloosahatchee Monitoring Stations Maintenance<sup>1</sup>
- Applied Research, Model Development and Application<sup>1</sup>
- Caloosahatchee EFDC Model<sup>1</sup>
- Adaptive Protocol Research Study<sup>1</sup>
- Caloosahatchee Estuary Sediment Nutrient Source<sup>1</sup>
- Tidal Basin WaSH Model<sup>1</sup>
- River Watershed Assessment Monitoring in Upstream Tributaries<sup>1</sup>
- BMP Demonstration and Optimization in District Lands and Private Partnerships<sup>1</sup>

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<sup>5</sup> East County Water Control District is the lead agency.

<sup>6</sup> Lee County is the lead agency.

<sup>7</sup> Hendry County is the lead agency.

### St. Lucie Watershed

#### I. Construction Project

- C-44 Project<sup>8,1</sup> (Construction)\*
- Local Cost-Share Stormwater Projects<sup>1,3,9</sup>
  - St. Lucie River and Indian River Lagoon Issues Team Projects<sup>9,10</sup>
  - Rio St. Lucie Stormwater Quality Retrofit<sup>\*9</sup>
- Dispersed Water Management Program
  - Northern Everglades Payment for Environmental Services Program<sup>1</sup>
  - Northern Everglades Cost-Share Projects<sup>1</sup>
  - Private Lands Projects<sup>1</sup>
  - Public Lands Projects<sup>1</sup>
  - Water Farming Pilot Project<sup>1</sup>
  - Dispersed Water Management Wetland Reserve Projects<sup>1,11</sup>
    - Allapattah Conservation & Recreation Area (ACRA)

#### II. Pollutant Control Program

- Agricultural<sup>2</sup> and Urban<sup>3</sup> BMPs\*
- SFWMD Regulatory Nutrient Source Control Program<sup>1</sup>
- Innovative Treatment Technologies<sup>1,2,3</sup>
  - Hybrid Wetland Treatment Technology<sup>2</sup>

#### III. Research and Water Quality Monitoring Program (as described in the Research and Water Quality Monitoring Plan)

- USGS St. Lucie Estuary Monitoring<sup>1</sup>
- Applied Research, Model Development and Application<sup>1</sup>
- St. Lucie Tributary Monitoring
- St. Lucie WaSh Model Upgrades<sup>1</sup>
- Estuary Sediment Nutrient Source<sup>1</sup>
- River Watershed Assessment Monitoring in Upstream Tributaries<sup>1</sup>
- BMP Demonstration and Optimization in District Lands and Private Partnerships<sup>1</sup>

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<sup>8</sup> U.S. Army Corps of Engineers is the lead agency.

<sup>9</sup> Martin County is the lead agency.

<sup>10</sup> St. Lucie County is the lead agency.

<sup>11</sup> Natural Resources Conservation Service is a co-lead agency.

Best Management Practices (BMPs); Stormwater Treatment Area (STA); U.S. Geological Survey (USGS)