

Appendix 7-2:

Northern Everglades Annual Work Plan for Fiscal Year 2011

Pinar Balci and Temperince Morgan

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 that is consistent with the goals and objectives of Section 373.4595, F.S., as part of the annual consolidated report. 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 2011 using SOETF funding are listed below with an asterisk (*) and are integral part of Lake Okeechobee and River Watershed Protection Plans. To provide a more comprehensive picture, projects that will be implemented in Fiscal Year 2011 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.

Lake Okeechobee Watershed

I. Construction Project

- Lakeside Ranch STA-Phase I (North)* (Construction)¹
- Lakeside Ranch STA-Phase II (South) (Design)¹
- Lemkin Creek Stormwater Improvement Project¹
- Dispersed Water Management Projects
 - Florida Ranchlands Environmental Services Project^{1,2,3}
 - Dispersed Water Management Program Development¹
- Rolling Meadows Wetland Restoration¹

¹ The SFWMD is the lead agency.

² The FDACS is the lead agency.

³ The FDEP is the lead agency.

- Innovative Treatment Technologies* ^{1,2,3}
- Sub-watershed Conceptual Planning
 - Fisheating Creek Feasibility Study ¹

II. Pollutant Control Program

- Agricultural² and Urban³ BMPs
- Regulatory Programs
 - Statewide Unified Stormwater Rule³
 - Northern Everglades ERP Basin Rule¹
 - Works of the District Regulatory Phosphorus Source Control Program¹
- SFWMD Phosphorus Control Program
 - Isolated Wetland Restoration Projects (e.g., Eckerd Youth, Lemkin Creek)¹
 - Cow/Calf - Water Management Practices^{1,2}
 - Phosphorus Control Studies (e.g., Taylor Creek and Nubbin Slough STA Monitoring)¹
 - Phosphorus Reduction Projects (i.e., Permeable Reactive Barriers)^{1,2,3}
 - Phosphorus Retention and Storage by Wetlands^{2,3}

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

- Water Quality Assessment and Reporting (Lake Okeechobee Operating Permit)¹
- Sub-basin Monitoring Network (USGS)¹
- Lake Okeechobee In-Lake Assessment Projects¹
- Exotics and Nuisance Species Control¹
- Uncertainty Analyses by WAM¹
- Lake Okeechobee Watershed Pre-Drainage Characterization Modeling^{1,2,3}

Caloosahatchee River Watershed

I. Construction Project

- C-43 Water Quality Treatment and Testing Facility¹
- Local Stormwater Management Projects¹

II. Pollutant Control Program

- Agricultural² and Urban³ BMPs
- Regulatory Programs
 - Statewide Unified Stormwater Rule³
 - Northern Everglades ERP Basin Rule¹
 - Regulatory Nutrient Source Control Program¹

- Research and Water Quality Monitoring Program Caloosahatchee Monitoring Stations Maintenance – Salinity¹
- Caloosahatchee River Autosampler Water Quality Analyses¹

St. Lucie Watershed

I. Construction Project

- C-44 Project⁴ (Construction)
- Local Cost Share – Stormwater and Wastewater Projects^{1,3,5}
 - Manatee Creek Water Quality Retrofit
 - Manatee Pocket Dredging*
 - North River Shores Vacuum Sewer System
- Other Local Cost Share Projects
- Innovative Treatment Technologies*^{1,2,3}

II. Pollutant Control Program

- Agricultural² and Urban³ BMPs
- Regulatory Programs
 - Statewide Unified Stormwater Rule³
 - Northern Everglades ERP Basin Rule¹
 - Regulatory Nutrient Source Control Program¹

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

- St. Lucie Tributary Monitoring¹
- USGS St. Lucie Estuary Monitoring¹

⁴ The U.S. Army Corps of Engineers is the lead agency.

⁵ Martin County is the lead agency.

- Best Management Practices (BMPs); Environmental Resource Permitting (ERP); Stormwater Treatment Area (STA); U.S. Geological Survey (USGS), Watershed Assessment Model (WAM).