



Northern Everglades Initiative Update
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Water Resources Advisory Commission
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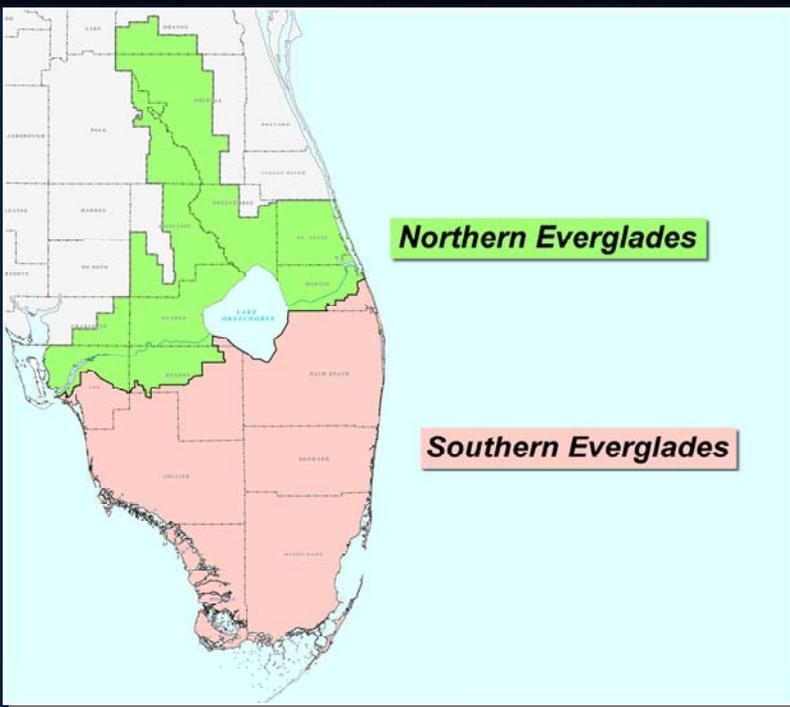


Everglades Ecosystem

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Everglades Ecosystem

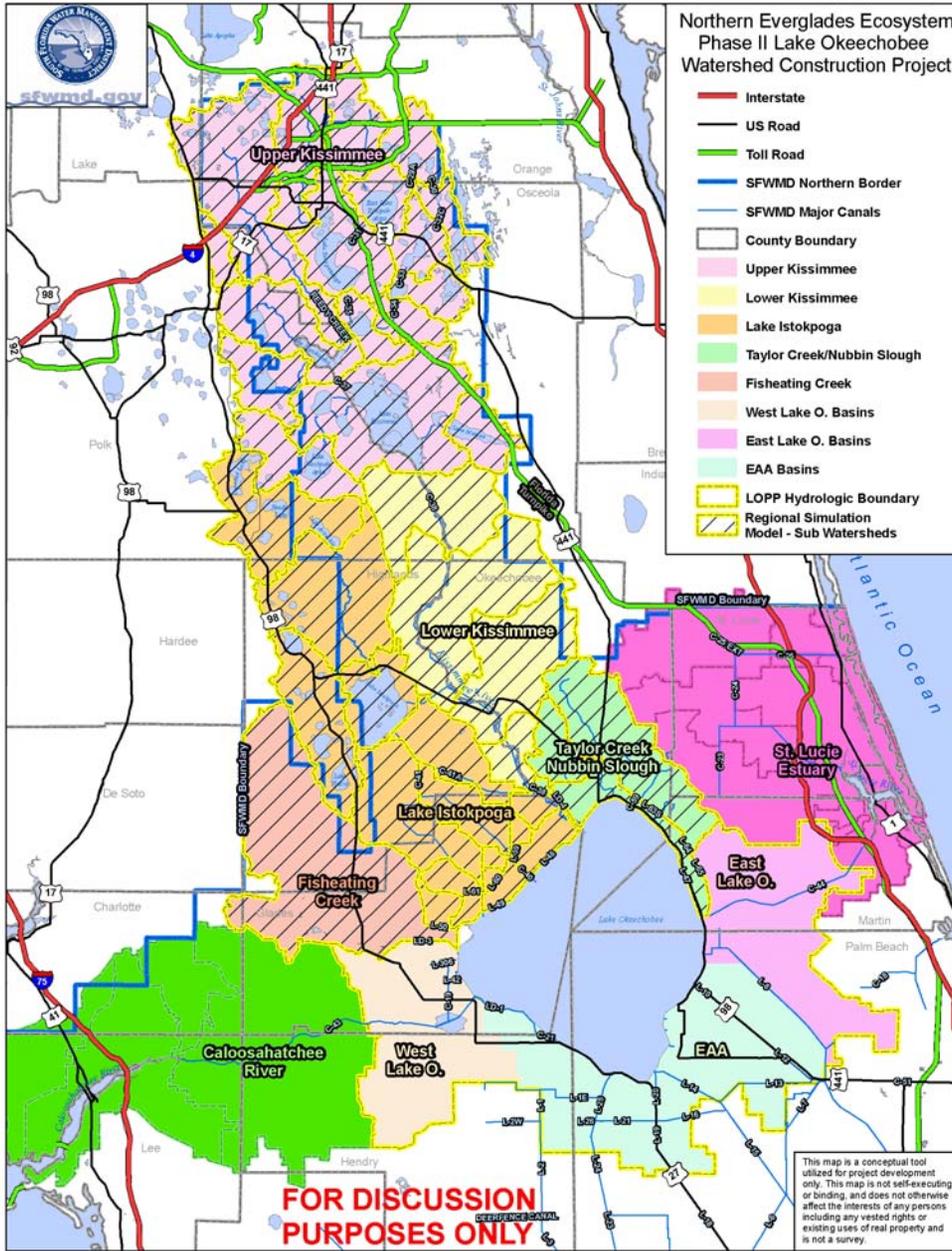


Northern Everglades

Southern Everglades

sfwmd.gov

The map displays the state of Florida with county boundaries. The Northern Everglades region is shaded in light green and covers parts of Dade, Broward, and Collier counties. The Southern Everglades region is shaded in light pink and covers parts of Dade, Broward, Collier, and Monroe counties. Lake Okechobee is shown as a light blue area in the central part of the state, between the two Everglades regions.



Phase II Technical Plan Lake Okeechobee Watershed

Problems

- Undesirable high levels in Lake Okeechobee
- Undesirable low levels in Lake Okeechobee
- Excess regulatory discharges to the Caloosahatchee Estuary
- Undesirable low flows to the Caloosahatchee Estuary
- Excess regulatory discharges to the St. Lucie Estuary
- Excessive phosphorus loads to Lake Okeechobee
- Limited operating flexibility for lakes stage management
- Upper Floridan – groundwater water supply limitations in Upper Kissimmee Basin

Phase II Technical Plan Lake Okeechobee Watershed

Objectives

- **Meet Lake Okeechobee Watershed Total Maximum Daily Loads**
- **Manage Lake Okeechobee levels within an ecologically desirable range**
- **Manage flows to meet desirable salinity ranges for the St. Lucie and Caloosahatchee Estuaries**
- **Identify opportunities for alternative surface water supply sources in the watershed**

Phase II Technical Plan Lake Okeechobee Watershed

Constraints

- **Provide Kissimmee River restoration flows**
- **Avoid precluding Everglades restoration flows**
- **Maintain water supply for affected water user basins**
- **Herbert Hoover Dike limitations**
- **Maintain existing levels of flood protection**
- **Minimum flows and levels- Lake Okeechobee, St. Lucie Estuary, Caloosahatchee Estuary, Lake Istokpoga**
- **Water quality standards**

Phase II Technical Plan Lake Okeechobee Watershed

Management Measures

■ Definition

- **A management measure is a feature or activity that can be implemented at a specific site to address one or more planning objectives.**
- **A feature is defined as a structural element that requires construction or assembly on-site.**
- **An activity is defined as a non-structural action or a practice that is implemented to achieve one or more project goals.**

Phase II Technical Plan Lake Okeechobee Watershed

Management Measures

- **Currently compiling and sorting measures by levels**
- **Levels of management measures**
 - **Level 1- Already constructed/implemented or construction/implementation imminent**
 - **Level 2- Construction/implementation likely; Detailed design/activity development ongoing; Location well defined**
 - **Level 3- Implementation certainty unknown; Conceptual level of design/activity development complete; Location defined**
 - **Level 4- Implementation certainty unknown- Conceptual idea; May have rough order of magnitude cost and/or general basin location**
 - **Level 5- Implementation certainty unknown-Conceptual idea with limited information**

Phase II Technical Plan Lake Okeechobee Watershed

Schedule

- **Assemble Baseline Information
and Alternative Formulation** Summer 2007
- **Draft Plan** October 2007
- **Final Plan to Governing Board** January 2008
- **Submit Plan to Legislature** February 1 2008



Questions