

**Kissimmee Basin
Modeling and Operations Study
(SFWMD)**

**Environmental Impact Statement for
Modification of Kissimmee Basin Structure
Operating Criteria
(US Army Corps of Engineers)**

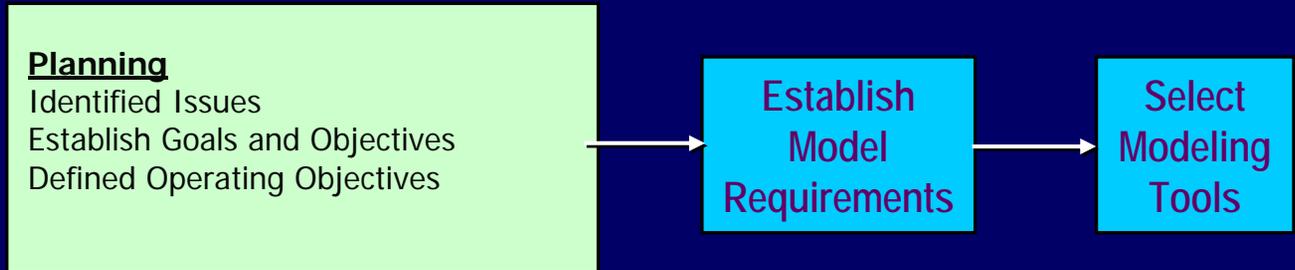
Kissimmee Watershed Modeling and Operations Study (KBMOS)

- Goal: Assess how current structure operations can be modified to better balance flood control, water supply, aquatic plant management, and natural resource operations objectives
- Constraints:
 - No modifications to existing water management infrastructure
 - No additional real estate interests
- Related Projects:
 - USACE Environmental Impact Statement on Modifications to Kissimmee Basin Structure Operations (PMP signed in July 2005)
 - Kissimmee River Restoration
 - Kissimmee Chain of Lakes Long Term Management Plan

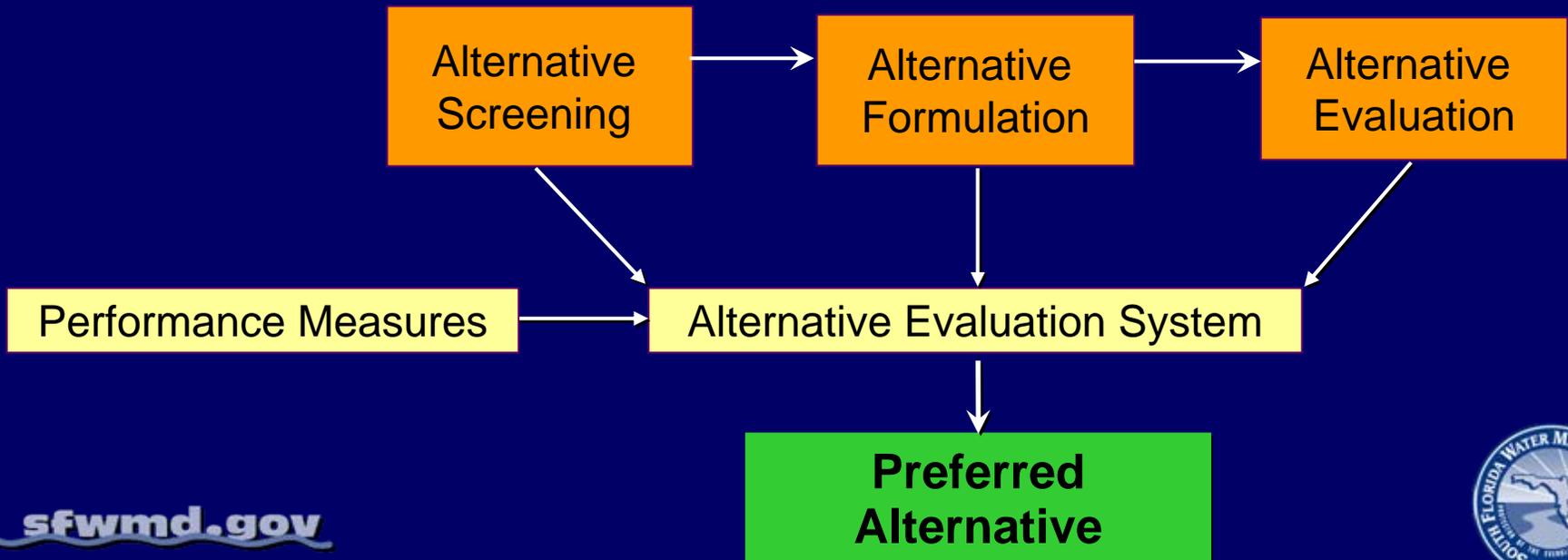
Interagency Study Team

- South Florida Water Management District
- U.S. Army Corps of Engineers
- U.S. Fish & Wildlife Service
- Florida Fish & Wildlife Conservation Commission
- U.S. Environmental Protection Agency
- Florida Department of Environmental Protection
- Florida Department of Agriculture and Consumer Services
- Local Governments
- Other Stakeholders

Phase I



Phase II: Alternative Plan Selection Process



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Frequency and Duration of High and Low Stages

Stage Fluctuation Range

Stage Seasonality and Variability

Probable High Lake Stages

Discharges and Stages for Hydrilla Mgmt

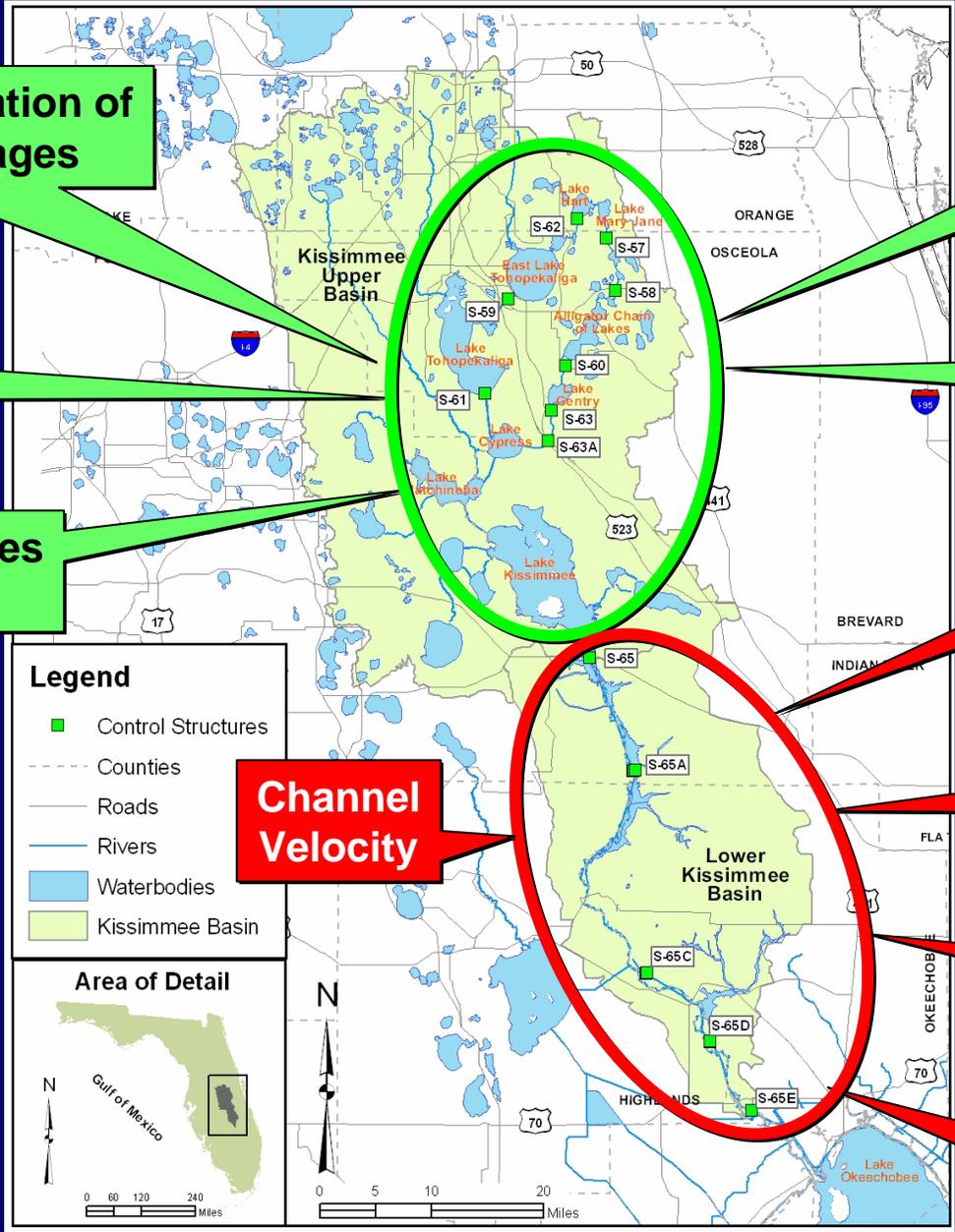
Continuous Flow

Channel Velocity

Floodplain Hydroperiod

Stage Recession

Inflows to Lake Okeechobee



Draft Final

**Evaluation Performance Measures
Kissimmee Basin Hydrologic Assessment,
Modeling and Operations Planning Study
Contract No. CN040899-W006**



September 2006

Submitted to:



Submitted by:



Draft Final Evaluation Performance Measures Report (Sep 2006)

**Public Review Period
Sept 13, 2005 – Oct 13, 2006**



KBMOS Schedule

Sept 2006 – April 2007:

- Performance measures development
- Modeling tools calibration and verification
- Peer reviews

Through Dec 2007:

- Simulation of base conditions and screening of alternative plans
- Alternative plan formulation, evaluation, selection
- Preparation of interim & long term operating criteria

KBMOS Schedule, continued

Jan 08

Coordinate with USACE for completion of Environmental Impact Statement (EIS) leading to operational changes to address project objectives.