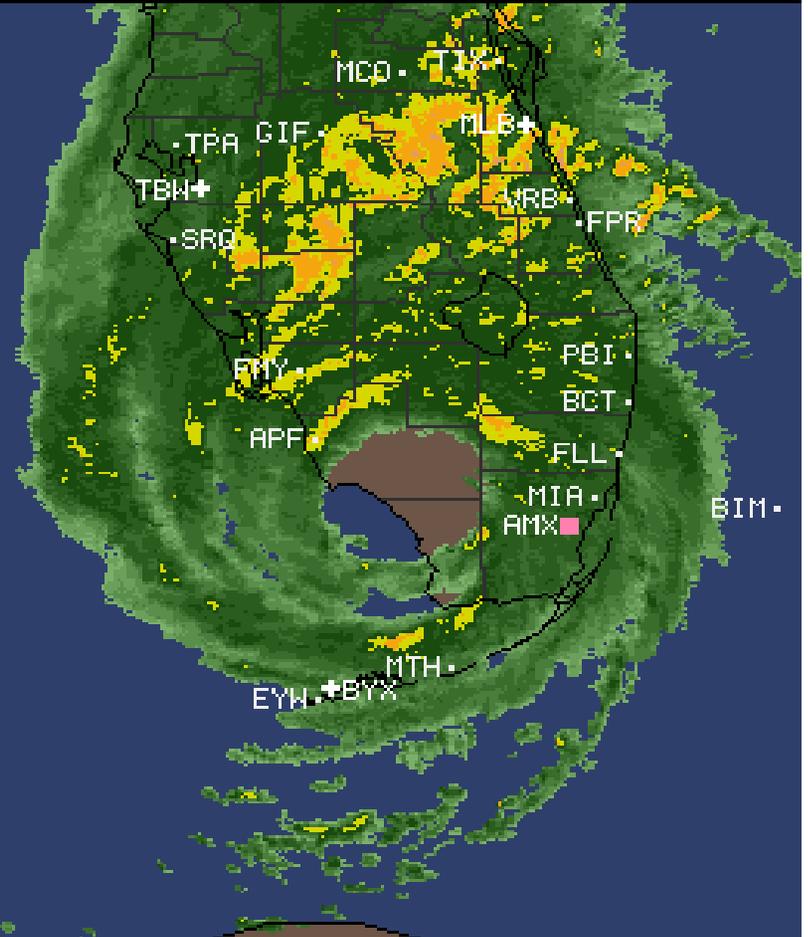




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# Restoration Challenges



# Basin Challenges



# Kissimmee Basin

- **Challenges**

- Rapid Growth and Development
- Long term water management and Upper Chain of Lakes Operation
- Establishment of TMDL's and Contributions to Lake Okeechobee
- Biosolid transport and accumulation
- Implementation of BMP throughout basin
- Coordination of Kissimmee Restoration with CERP

# Lake Okeechobee Basin

- **Challenges**

- Persistent High Lake Levels
- Sediments and impacts on Lake Water Quality
- Herbert Hoover Dike
- Littoral function and balancing improvement in littoral shelf
- Forward Pump proposal
- Water Supply Issues

# St Lucie Basin

- **Challenges**

- Peak Discharges from Lake
- Water quality
- Sediment and Muck deposition
- Local Runoff
- Continuing Growth in Basin
- Impacts of high discharges on tourism and economy and passion that invokes
- C-44 basin plan has limited storage for Lake discharges
- Perception that \$1.2 Billion IRL-S plan fixes Lake discharges
- Establishing “Right” flows to estuary
- Historical connection between St Lucie and North Palm Beach Basins

# Caloosahatchee Basin

- **Challenges**

- Peak Discharges from Lake
- Water quality, Phos and Nitrogen
- Sediment and Muck deposition
- Local Runoff
- Continuing Growth in Basin
- Impacts of high discharges on tourism and economy and passion that invokes
- Basin over drainage
- Component of the S-4 Basin yet to be addressed
- Utilization of traditional recharge areas
- Benefits of Additional Lock on River at elevation 6
- J Ding Darling National Wildlife Refuge

# Everglades Agricultural Area

- **Challenges**

- Last stop before remaining Everglades and direct impact on ability to achieve rain driven operations
- Long term growth, land use change, and transportation infrastructure
- Traditional battleline focus changing from BMP implementation to restoration of flow ways
- Water quality
- Future development
- Long term use of Rotenberger and Holeyland tracts

# East Coast Basins

- **Challenges**

- Implementation of alternative water supply sources
- Continuing urbanization – no cohesive plan
- How to move excess water in north to south while balancing other needs
- Salt water intrusion
- Seepage management along East coast protective levee
- Rapidly rising land cost and lost opportunities

# Lower Southwest Coast Basin

- **Challenges**

- Completion of Southwest Feasibility Study and long term implications
- Continued growth and development
- Fire management
- Panther habitat and management

# Central Everglades Basin

- **Challenges**

- Water management in Water Conservation Areas keep to restoration and preservation
- Tree Island ecology
- Sheet flow restoration
- Environmental equity between north and side south of Trail
- Subsidence and topography change impacts on restoration of sheet flow
- Sparrow, snail kite, panther long term recovery
- Development adjacent to ENP
- Continued airboat access to ENP

# Florida Keys

- **Challenges**

- Waste water management (lack of central sewer)
- Hurricane evacuation
- Impacts of growth
- Connection between corals, sea grasses and estuaries
- Restoration of freshwater flows to Florida Bay

**Comments?**

