

12th Annual Public Meeting on the Long-Term Plan for Achieving Water Quality Goals for Everglades Protection Area Tributary Basins



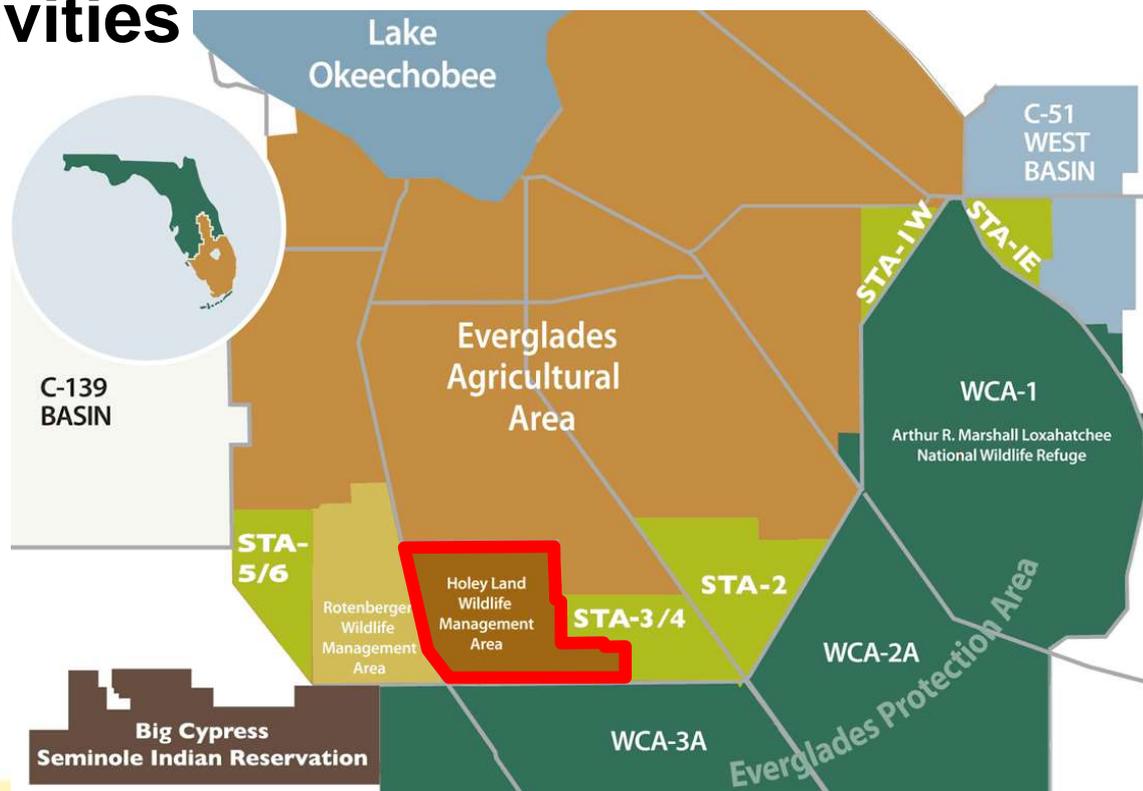
Holey Land Wildlife Management Area: New Pumps and Operations

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Agenda

- Background
- Recent Activities
- Ongoing and Future Activities



SFWMD

Background



Background

- Holey Land Wildlife Management Area (WMA) is ~35,000 acres of degraded Everglades landscape



Background (cont'd)

- 1983 – Memorandum of Agreement (MOA) between Florida Department of Environmental Regulation (now FDEP), the Board of Trustees of the Internal Improvement Trust Fund, South Florida Water Management (SFWMD), and the Florida Game and Freshwater Fish Commission (now FWC)
 - *“...construction and operation of a water control system that attempts to restore and preserve natural Everglades habitat...”*
- 1984 – FDEP issued SFWMD permit to construct and operate inflow pump station, outflow structures, etc.
- 1990 – MOA between SFWMD and FWC
 - contains an interim operational plan
 - includes a monitoring plan to document conditions during the initial period to better understand hydrology and environmental resources



Background (cont'd)

- **1990 – Inflow Pump Station G-200 began pumping in September**
- **1994 – Everglades Forever Act**
 - *“The Everglades Program will contribute to the restoration of the...Holey Land...The Everglades Construction Project provides a first step toward restoration...by providing a source of treated water for the Holey Land.”*
- **2005 – G-200 was damaged by Hurricane Wilma in October**
- **2013 – Central Everglades Planning Project (CEPP)**
 - **Based on stakeholder input, Holey Land was not included in CEPP**

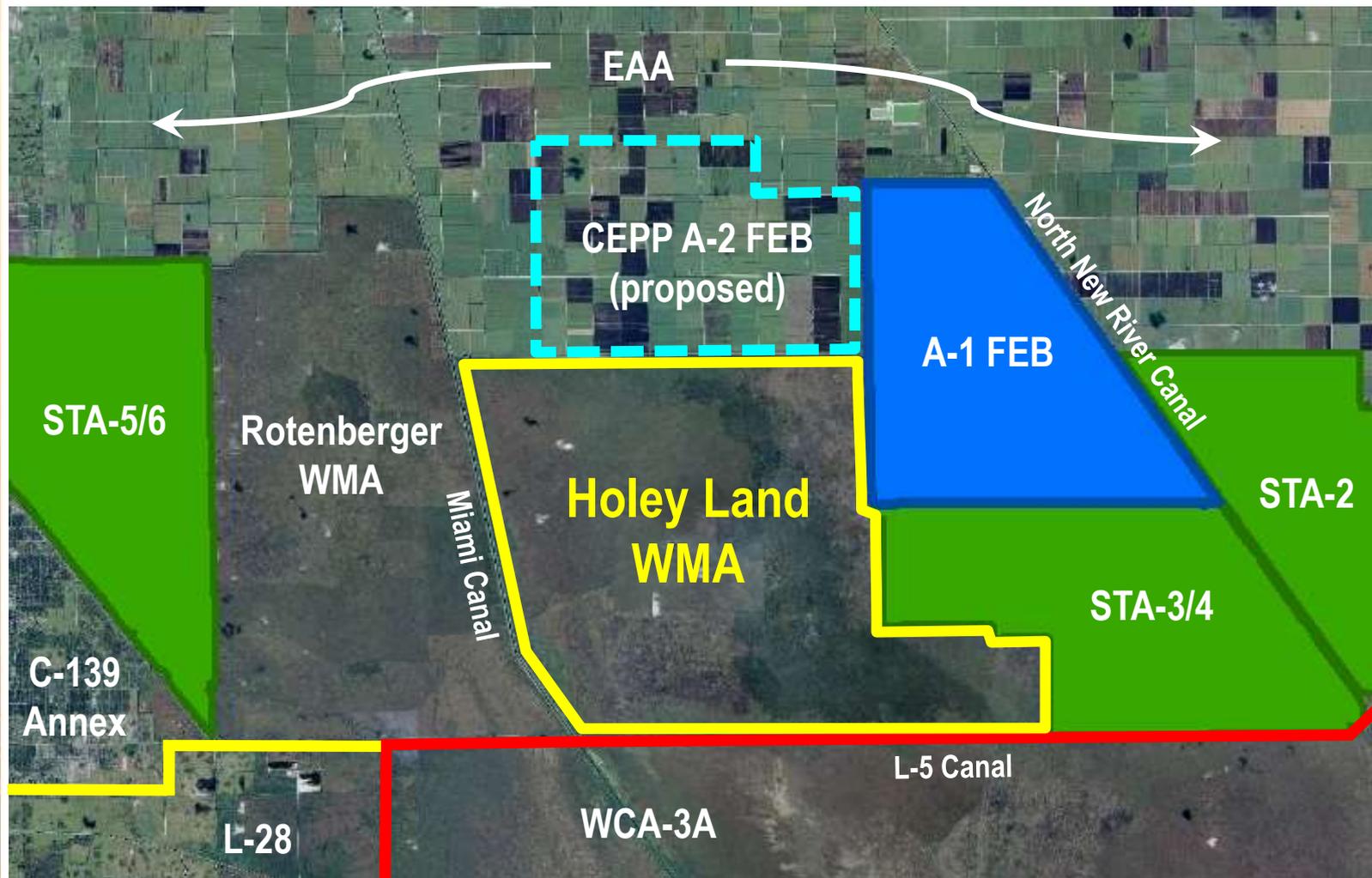


FWC's Hydrologic Goals

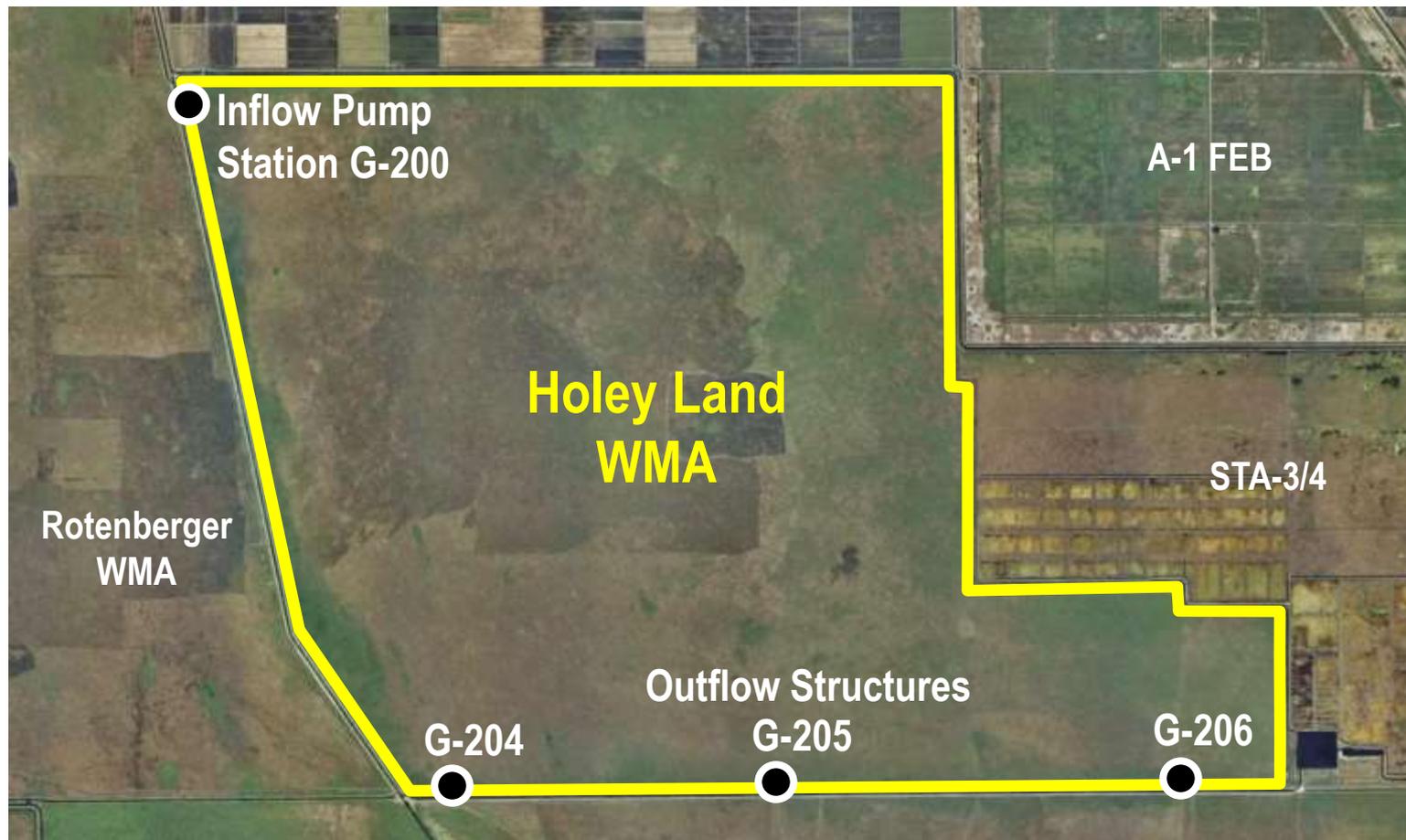
- Average depth of interior marsh should be 0.75 – 1.0 feet (ft)
- Maximum depth = 1.5 ft
- Minimum depth = -0.5 ft
- Hydroperiod should be 80-90% annually over at least 50% of the area
- Average recession rates should be >0.04 ft per week from January through April
- Hydropattern should be consistent with topography and enable flow-through

Source: FWC Presentation on Holey Land at CEPP PDT Workshop on May 14, 2012

Location Map



Project Components



SFWMD



Recent Activities

New Pumps for G-200 Fabrication Started May 2014



New Pumps for G-200 Fabrication Completed July 2014



New Pumps for G-200 Installation Started July 2014



New Pumps for G-200 Installation Continues



New Pumps for G-200 Control Panel Installation



New Pumps for G-200 Installation Complete October 2014



New Pumps for G-200 Operations Started October 2014



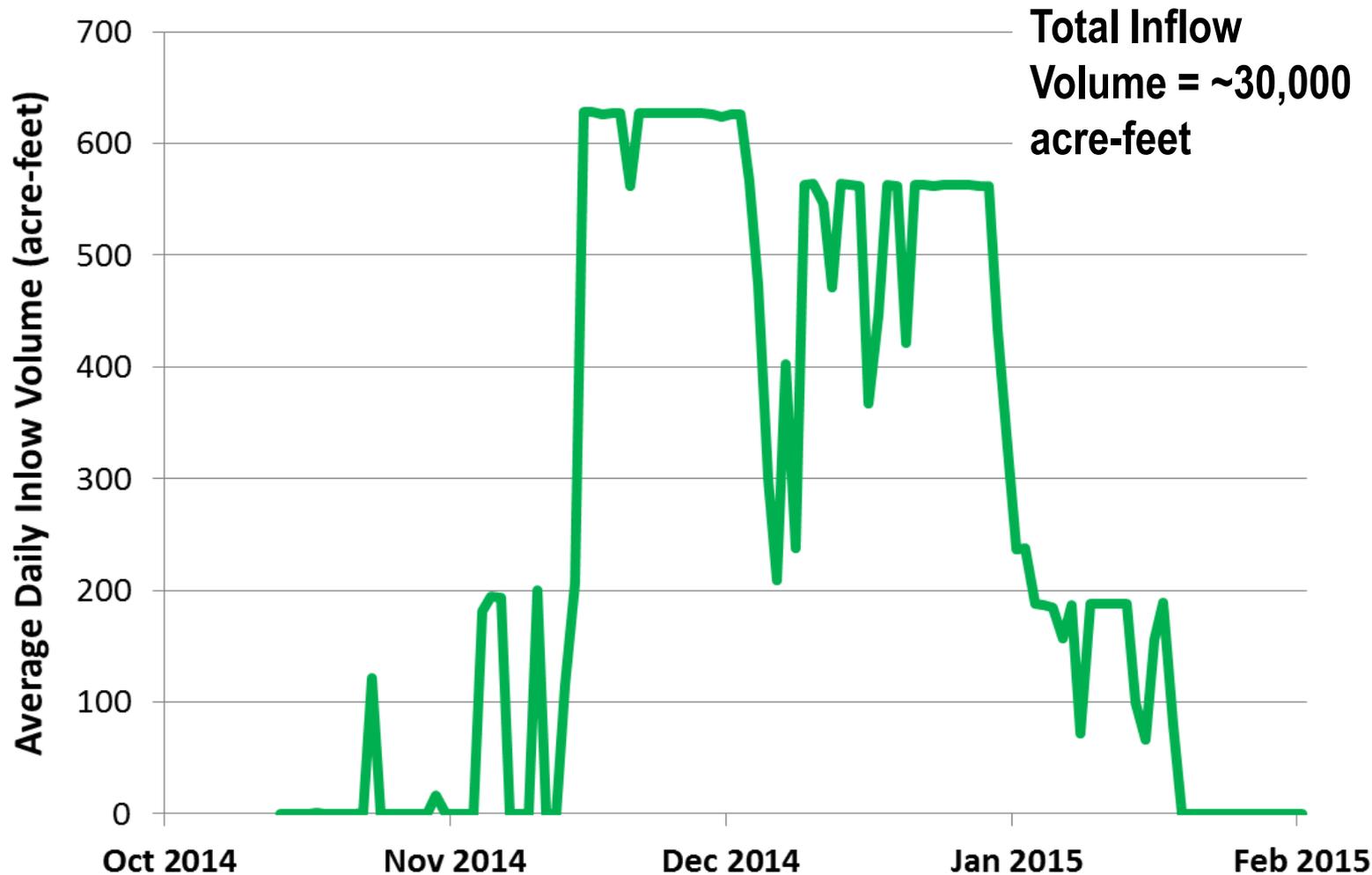
New Pumps for G-200

Cost Summary

- **Three new 100 cubic foot per second (cfs) electric pumps installed**
 - 3 pumps @ \$50,000 each = \$150,000
 - Pump Installation / SCADA = \$339,000
 - Electrical system improvements = \$18,000
 - Total = \$507,000
- **Funding provided via FDEP South Florida Operations Grant**

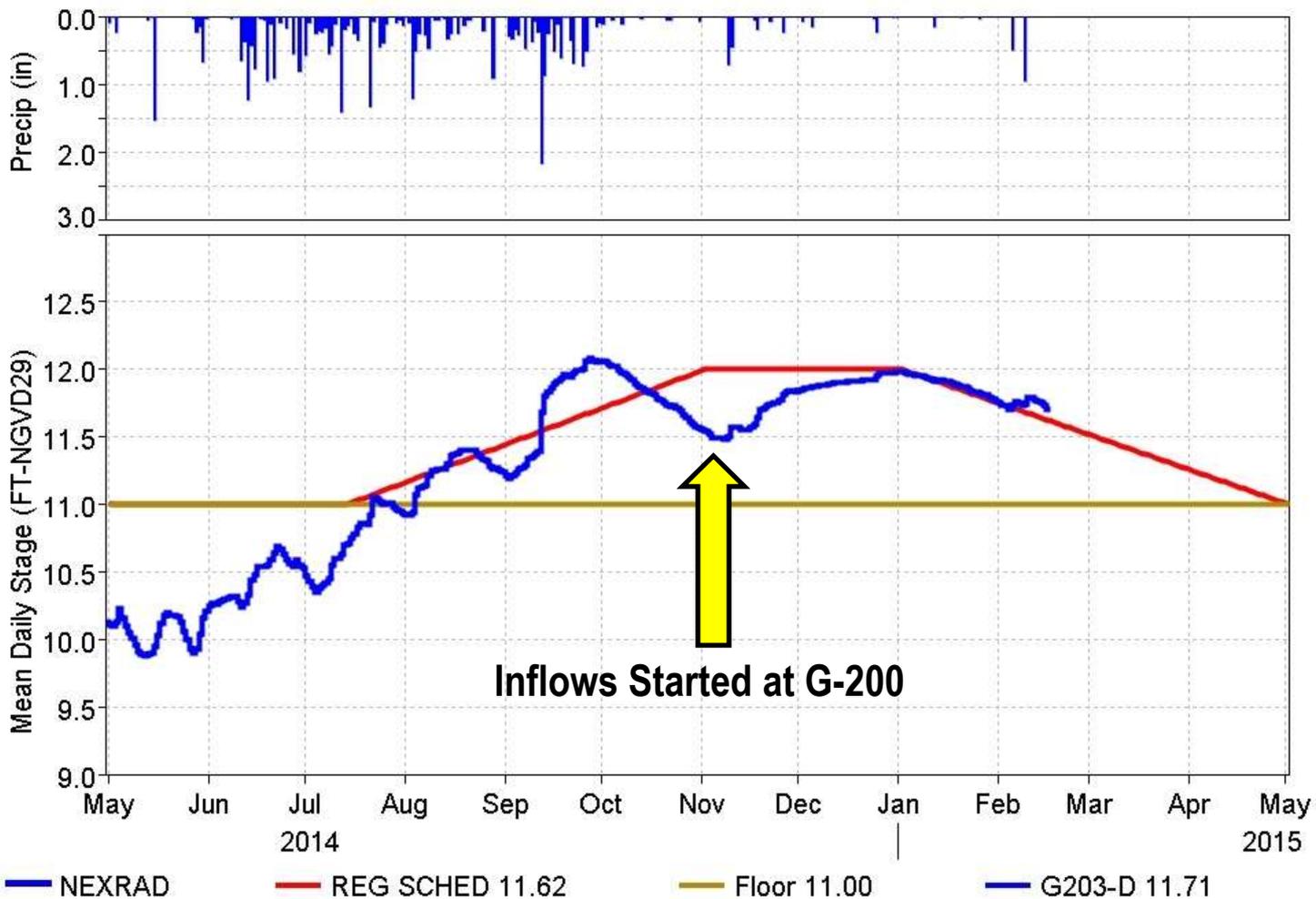


G-200 Operations October 2014 to January 2015



Holey Land Water Levels May 2014 to February 16 2015

HOLEY LAND (16 February 2015)





Ongoing and Future Activities

Ongoing and Future Activities

- **Continue to operate in accordance with the interim operations plan**
- **Prepare updated operations plan**
- **Coordinate with FDEP to update Holey Land operations permit**
- **Collect topographic data at key locations**
- **Continue the development of modeling tools to assist in:**
 - **understanding how best to manage water levels in the area**
 - **evaluating hydropattern**
 - **determining how best to implement flow-through operations**
 - **better understanding the potential for Holey Land to assist in conveying more Lake Okeechobee releases south**



Questions?

