Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for Everglades Protection Area Tributary Basins

Holey Land Wildlife Management Area Proposed Regulation Schedule

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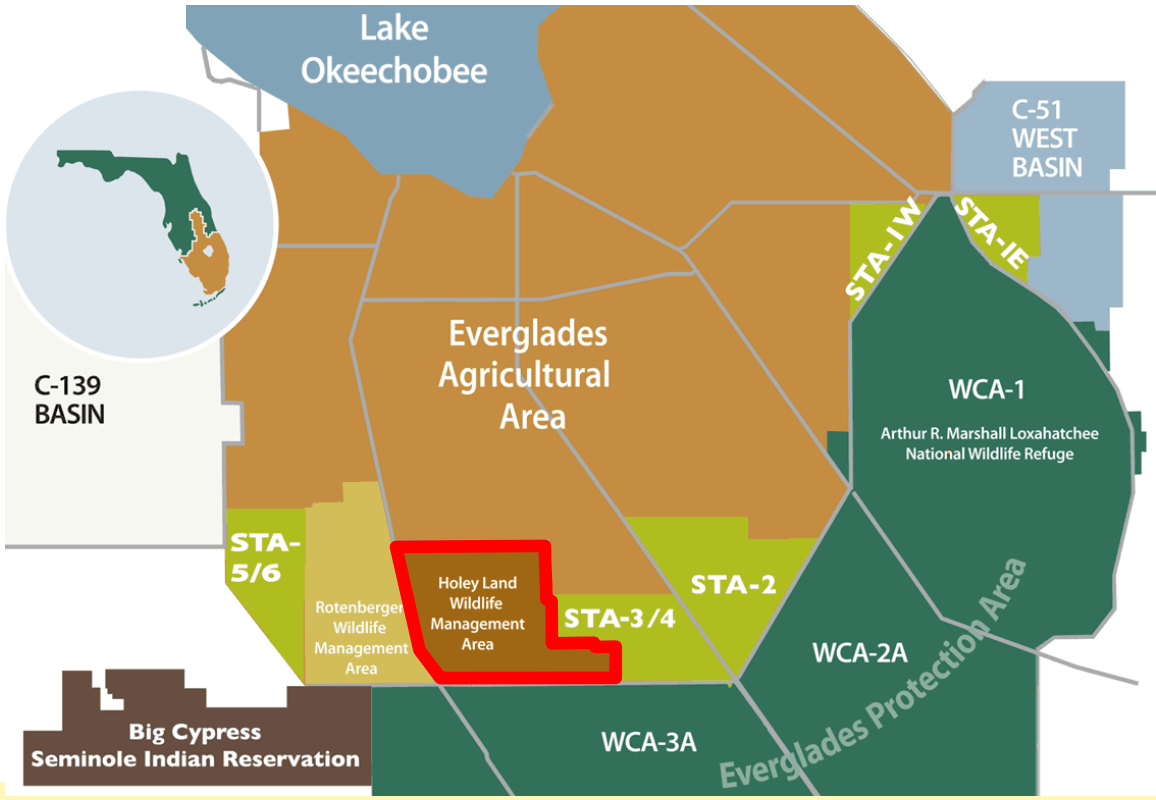
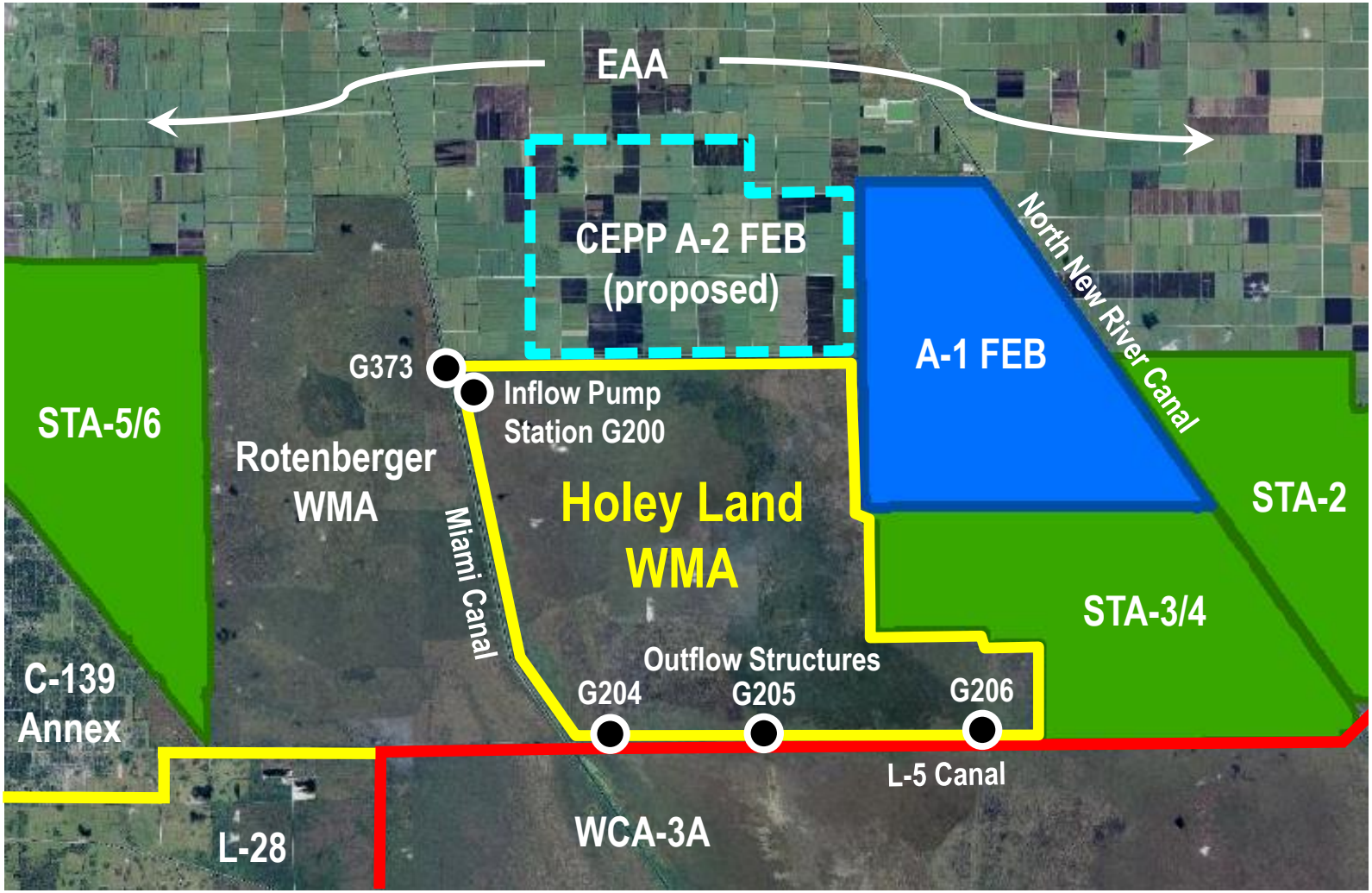
Agenda

- Background and Recent Activities
- Proposed Regulation Schedule
- Proposed Future Activities



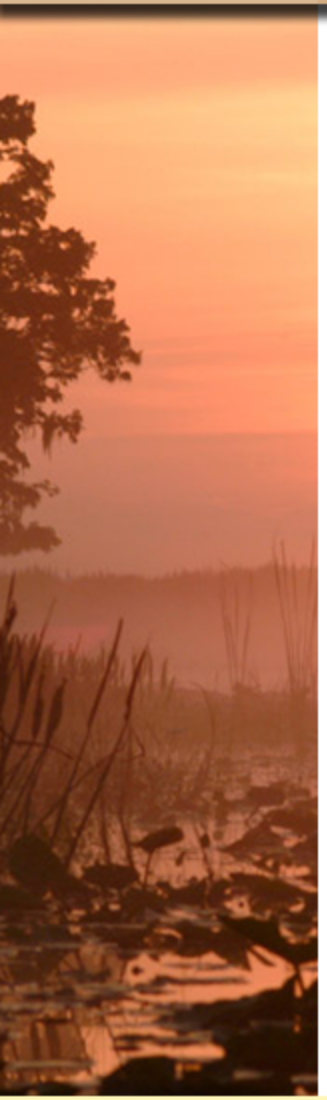
Location Map



Background

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

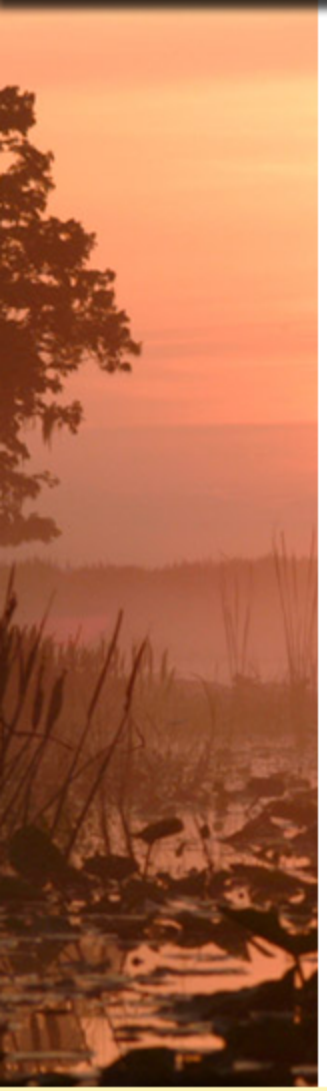
Background and Recent Activities



- **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 <u>not</u> included in CEPP**
- **2014 – SFWMD repaired G-200 and re-initiated coordination with FWC to update operations plan**
- **2015 – Obtaining updated topography data; began developing modeling tools; updating draft operations plan, present at Long-Term Plan meeting**

Background

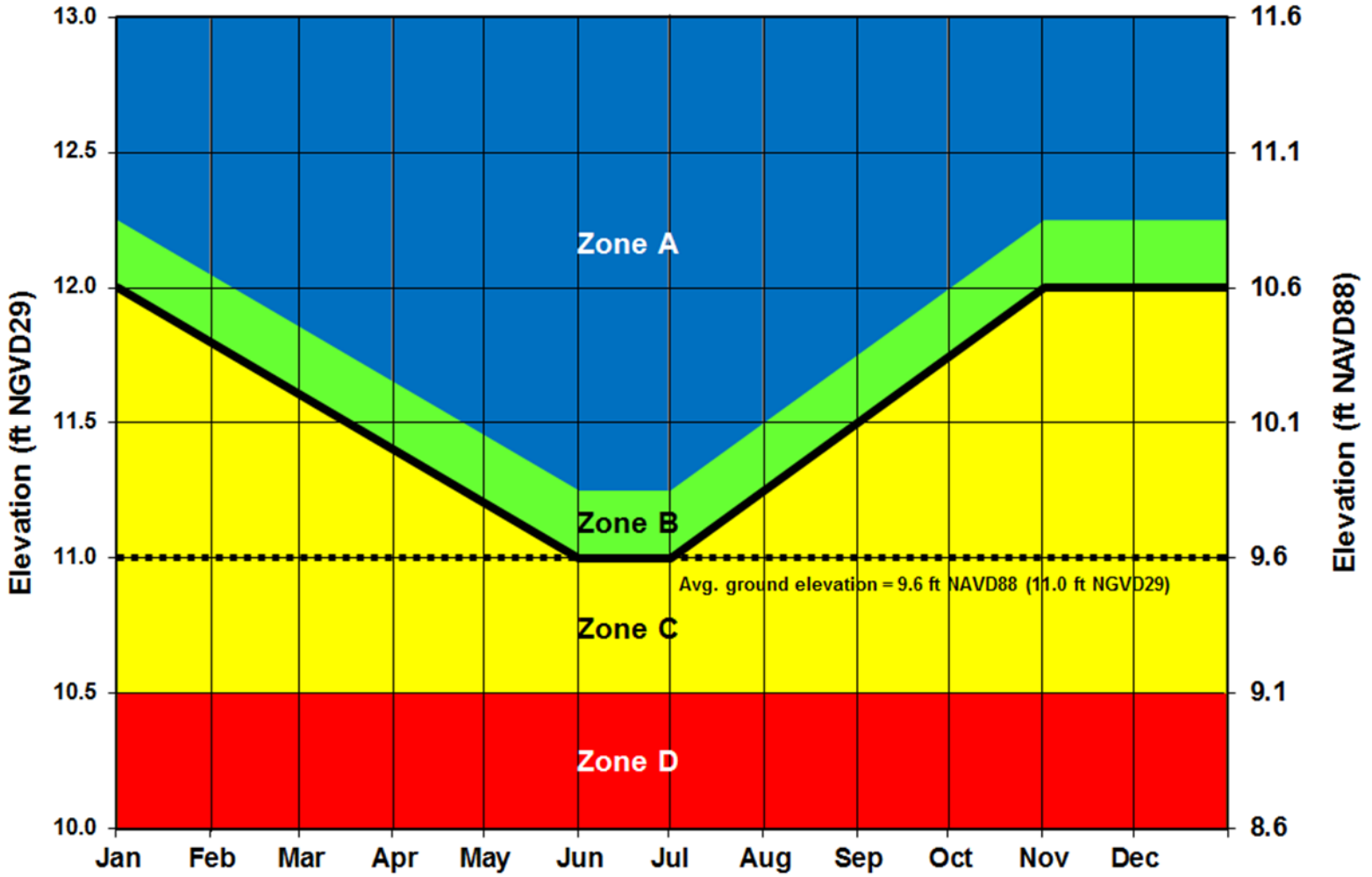
FWC's Hydrologic Goals



- 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

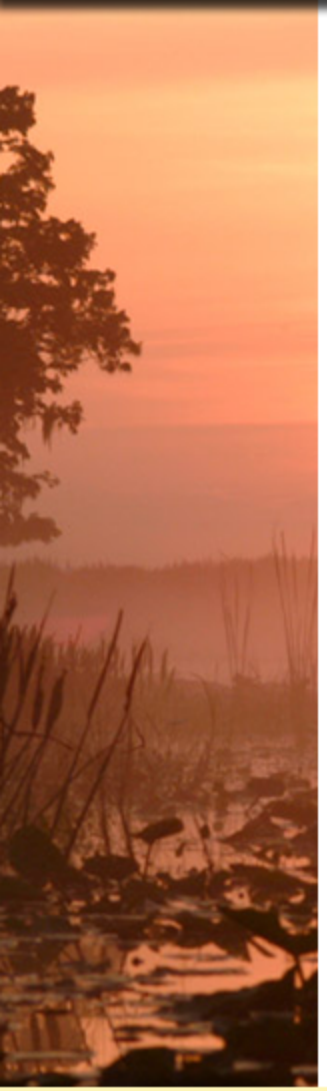
Proposed Regulation Schedule



Proposed Regulation Schedule (cont'd)

Zone	Operational Direction
A	Manage inflows (G-200) and/or outflows (G-204, G-205, and G-206) to return to regulation schedule or Zone B.
B	Discretionary Zone: manage inflows and/or outflows to maintain water levels within Zone B if possible, based on an assessment of historical, climatic, and regional water conditions. Coordination with FWC is required.
C	If regional water conditions allow, manage inflows and/or outflows to return to regulation schedule or Zone B.
D	If regional water conditions allow, manage inflows and/or outflows to minimize or prevent the loss of soil, vegetation and wildlife that could result from muck and/or peat fires.

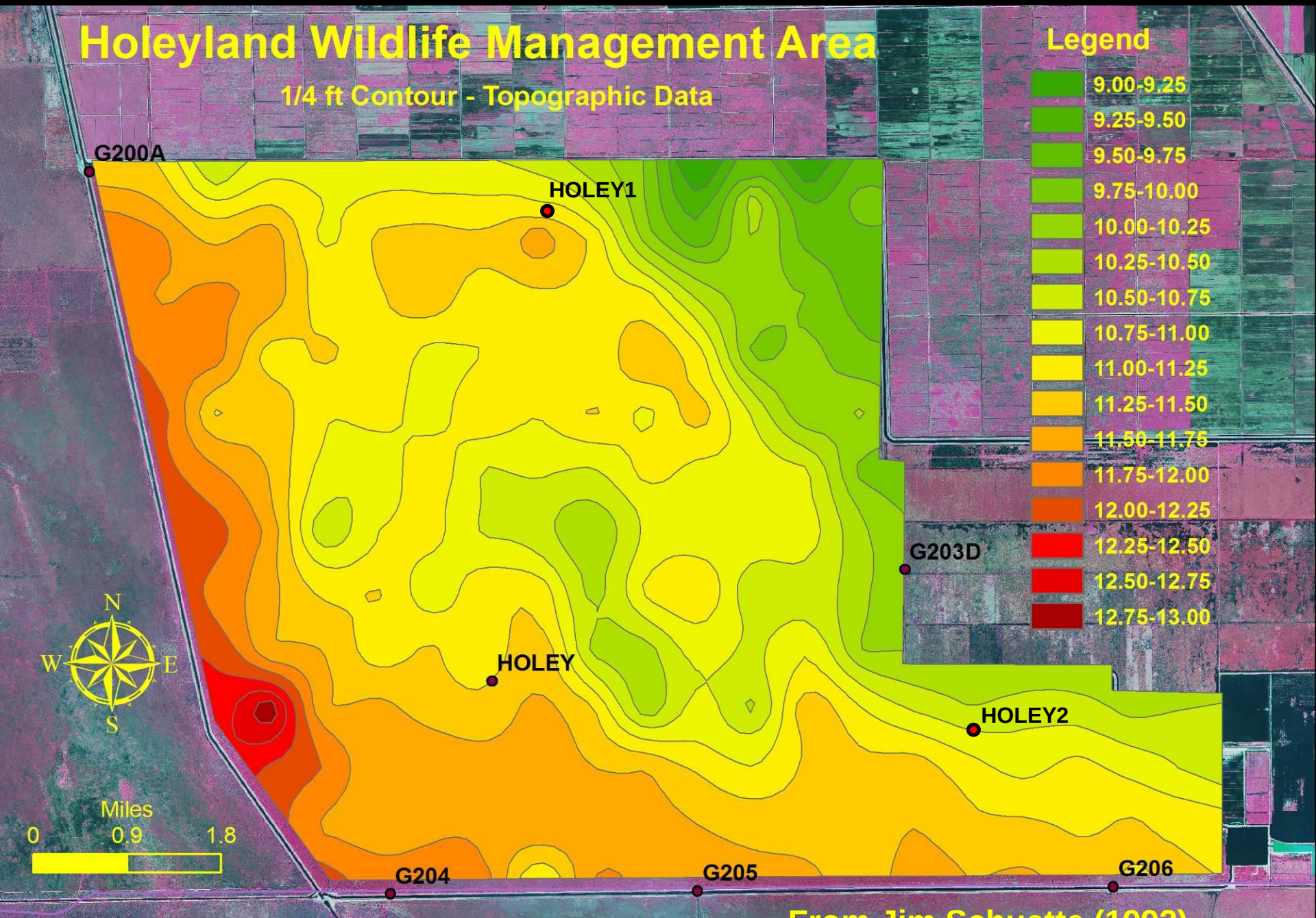
Proposed Future Activities



- **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 STA-treated Lake Okeechobee releases south**
- **Submit 2015 Draft Operations Plan to FDEP; Operate in accordance with 2015 Draft Operations Plan**
- **Evaluate flow-through operations and potential outflow structure constraints**
- **Determine what physical and/or operational modifications could assist in better achieving the hydrologic goals of the area**

Holeyland Wildlife Management Area

1/4 ft Contour - Topographic Data



From Jim Schuette (1992)

Questions?