



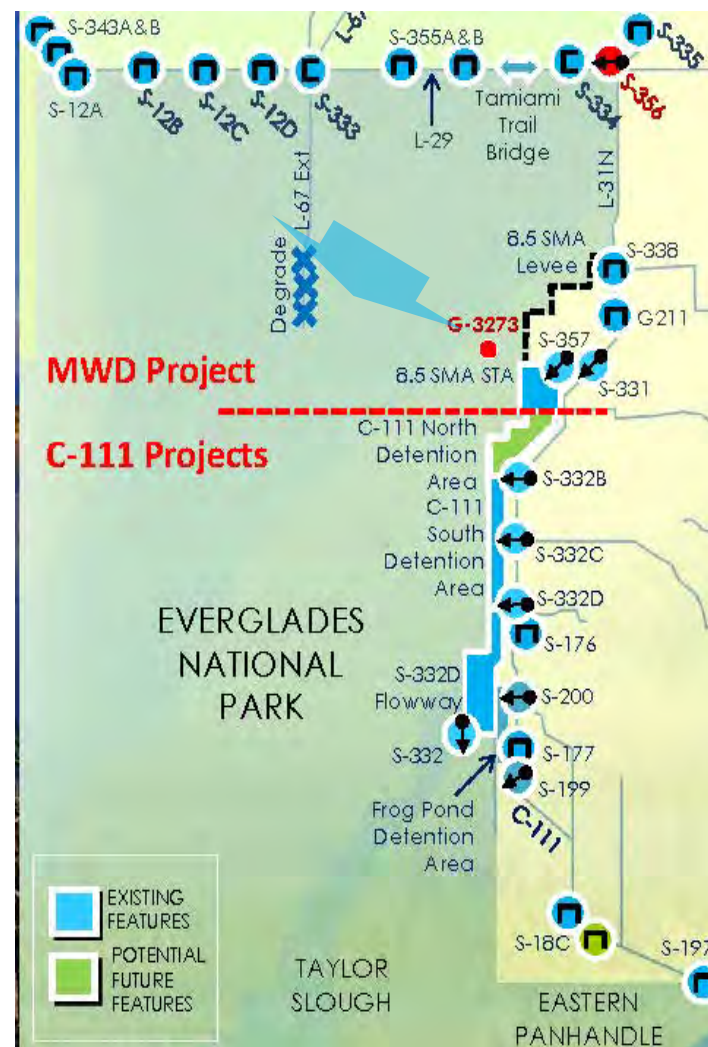
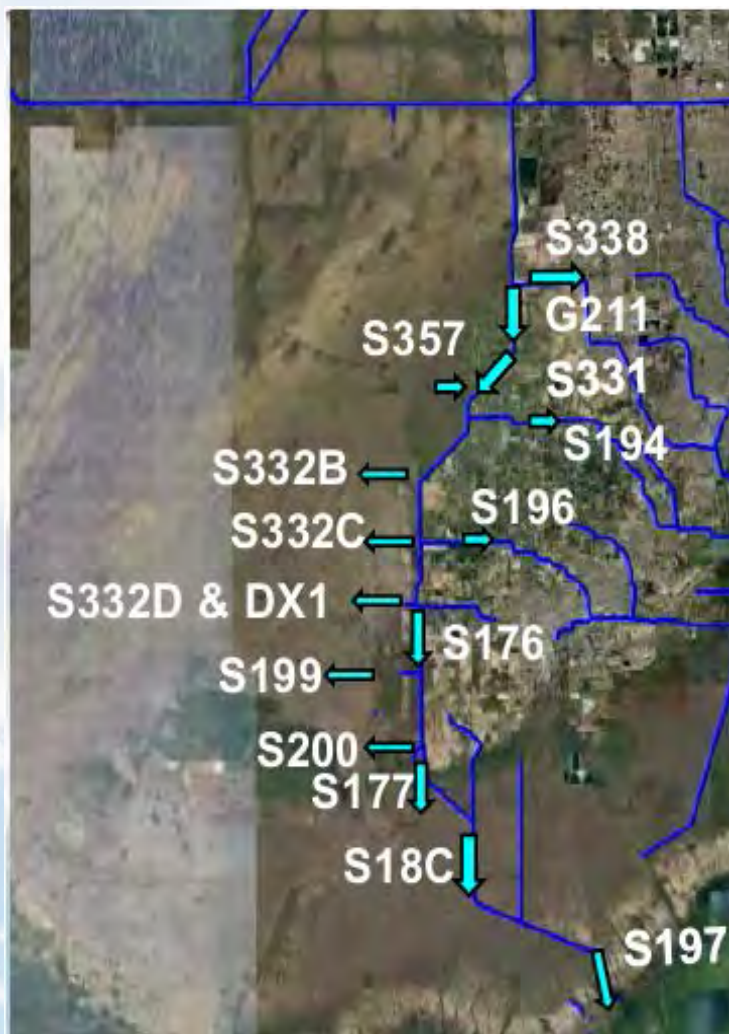
# High Water Emergency Operations, After-Action Report and South Dade Investigations

June 9, 2016

# **C) SOUTH DADE STUDY**

**Brenda Mills, Principal Scientist  
Everglades Policy & Coordination**

# South Dade





# South Dade Study Update

- In February 2016, SFWMD Governing Board instructed staff to implement components identified in the South Dade study.
- This presentation will provide an update on progress made towards near-term, mid-term and longer-term recommendations based on the complexity and regulatory requirements for implementation.



Taylor Slough, Everglades National Park

# Near-Term Operational and Structural Recommendations

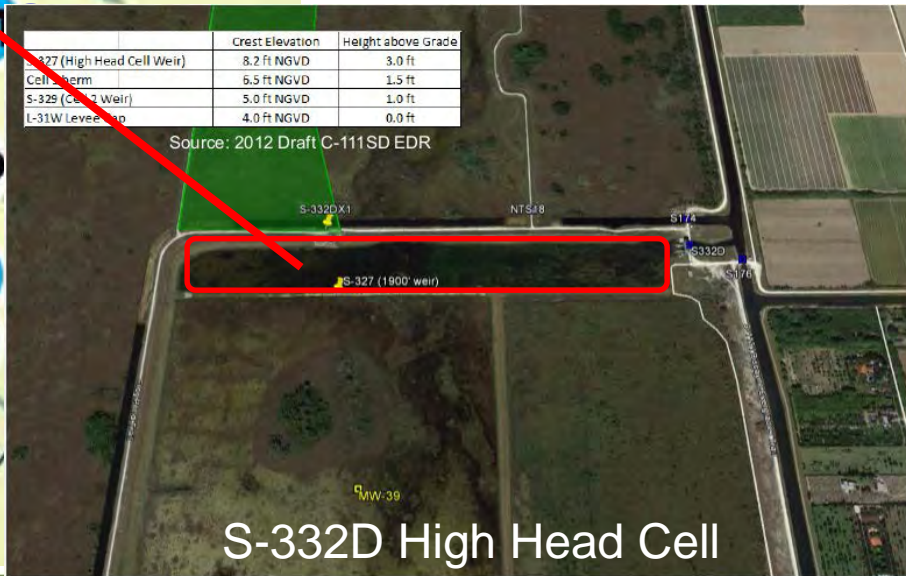
- ✓ Implemented operating guidance within existing water control plan authority
  - Operate the S-332B, S-332C, S-332D, S-199 and S-200 pumps at the lower end of their current operating range
  - Operate the water control structures S-176 and S-177 based on rainfall event criteria
- ✓ Seasonal and lower operating ranges at S-199 and S-200 pump stations
- ✓ Seasonal and lower operating ranges at S-332 pump stations, S-176 and S-177 structures
- ✓ Modify high head cell at S-332D





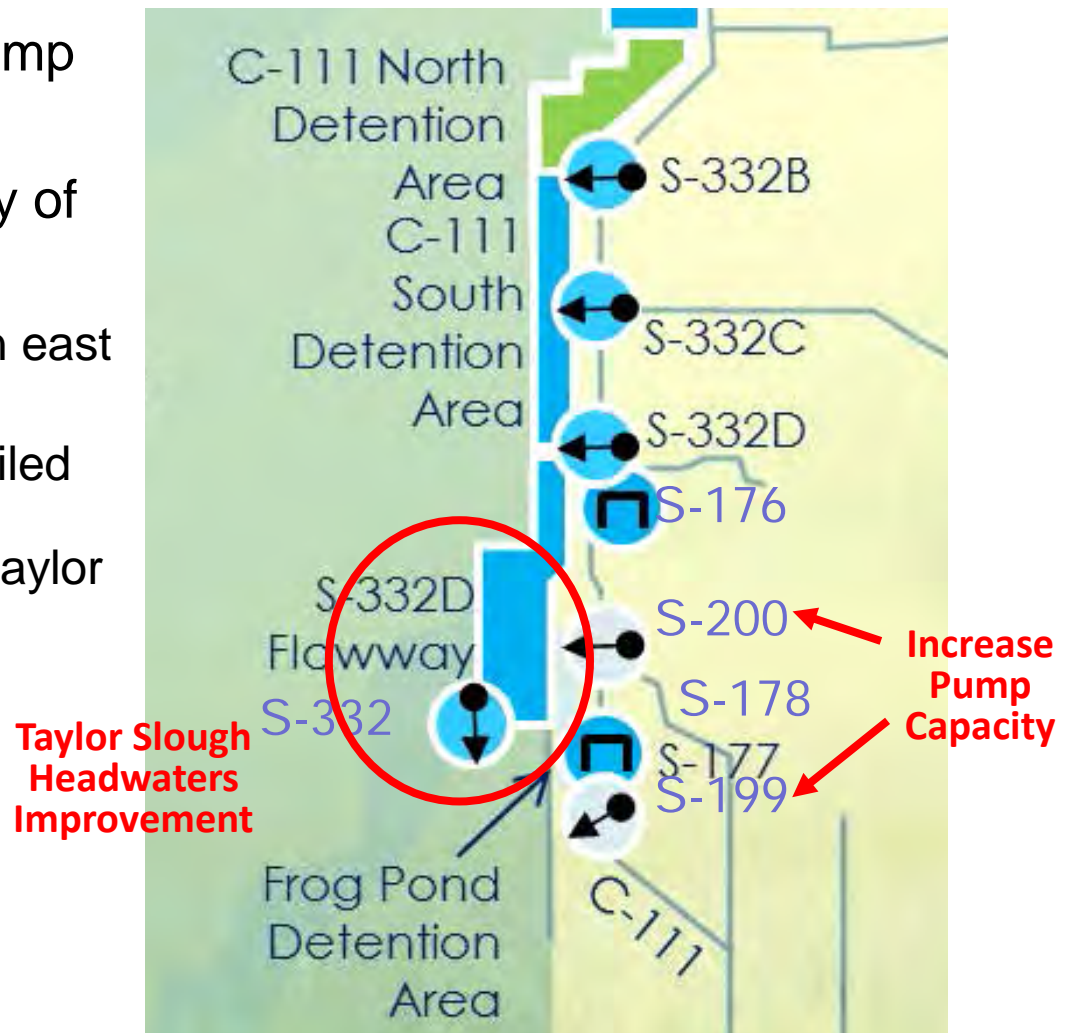
# Modify S-332D High Head Cell Weir

Location of Weir



# Mid-Term Structural Recommendations

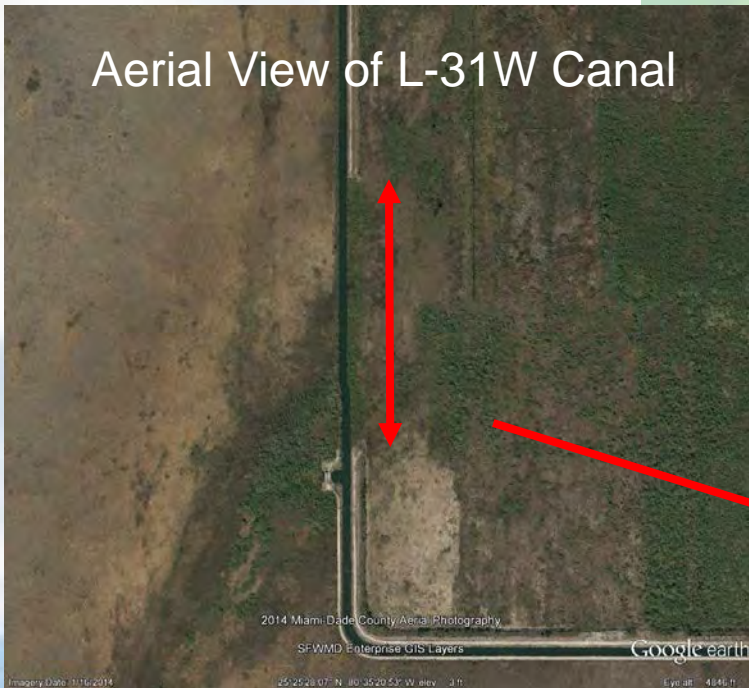
- ✓ Increase S-199 and S-200 pump capacity
- Modify infrastructure in vicinity of Taylor Slough Headwaters
  - ✓ Rebuild weir north of S-332 on east side of canal
  - ✓ Staff has initiated a more detailed assessment of the hydraulic conveyance in the vicinity of Taylor Slough headwaters





# Rebuild Weir Along L-31W Canal

Aerial View of L-31W Canal

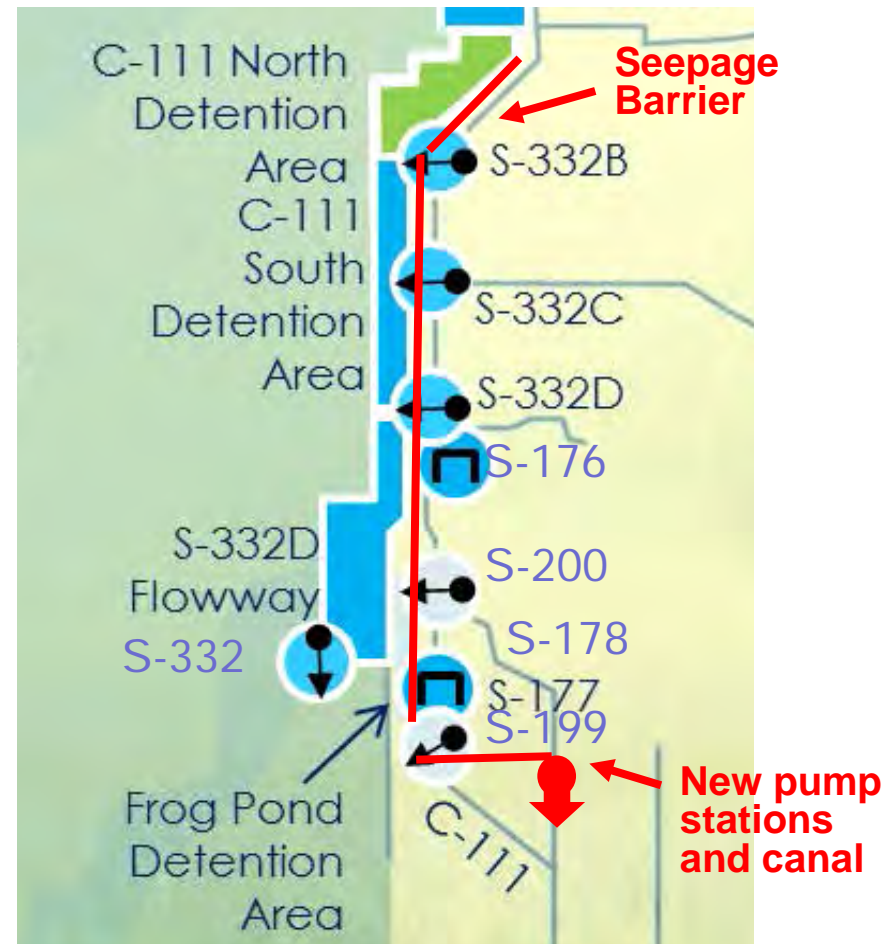




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- MWD Project**
- C-111 Projects**
- EVERGLADES NATIONAL PARK
- TAYLOR SLOUGH
- EASTERN PANHANDLE
- Legend:
- EXISTING FEATURES
  - POTENTIAL FUTURE FEATURES

# Longer-Term Structural Recommendations

- Seepage collection canal and pump stations near S-178
- Seepage barrier – up to 15 miles in length
- Both projects will require additional planning, permitting and design







# Questions?