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

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C) SOUTH DADE STUDY

Brenda Mills, Principal Scientist
Everglades Policy & Coordination
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.
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
✓ 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

Looking east from S-332
Construction of C-111 South Dade Project

- Contract 8 construction by U.S. Army Corps of Engineers contractor is underway.
- Contract 8A is expected to be awarded by U.S. Army Corps of Engineers in September 2016; Contract 9 to follow.
- Once complete, the newly constructed flowways within the detention areas will move water more effectively.
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?