

February 2011



just the FACTs

This fact sheet is provided as a reference to encourage a greater understanding of the various issues related to managing water in South Florida.

S-197 Structure Replacement Project in Miami-Dade County

The South Florida Water Management District is replacing the S-197 Structure to ensure that it continues to be an effective component of flood control operations in the C-111 Canal until the C-111 Spreader Canal Western Project is completed. The S-197 Structure in South Miami-Dade County near Manatee Bay also provides important environmental benefits and water resource protection by preventing saline intrusion to coastal fresh waters, particularly during high tides.

The C-111 Spreader Canal Western Project will provide ecosystem restoration of freshwater wetlands, tidal wetlands and near-shore habitat as well as flood protection maintenance and recreation opportunities. The project includes pump stations, detention areas, culverts, conveyance canals and 10 plugs/water control structures.

The District plans \$60 million in structural maintenance and upgrades to the South Florida flood control system, including replacing the S-197 Structure, for Fiscal Year 2011. The list of projects features pump station reconstruction and hardening, canal bank stabilization and structure refurbishment. Plans are under way for Fiscal Year 2012 to complete another \$65 million in upgrades and maintenance.

S-197 Replacement

- The same criteria used in S-197 Structure operations today will be used for the new structure. This ensures that it will provide the same flood control, environmental benefits and water resource protection as the structure it replaces.
- The new S-197 Structure will be built at the same location and have the same discharge capacity of 2,400 cubic feet per second as the structure it replaces.
- The estimated investment in initial construction is \$3.4 million, with completion planned for November 2012.

S-197 Design

- The new S-197 Structure will be a cast-in-place reinforced concrete structure, consisting of four rectangular box culverts with bays 11 feet by 10 feet. The improved design will replace 13 corrugated metal pipe culverts.
- Each of the four culvert openings will have a stainless steel, manually-operated gate to control water flow through the structure.

Recreation

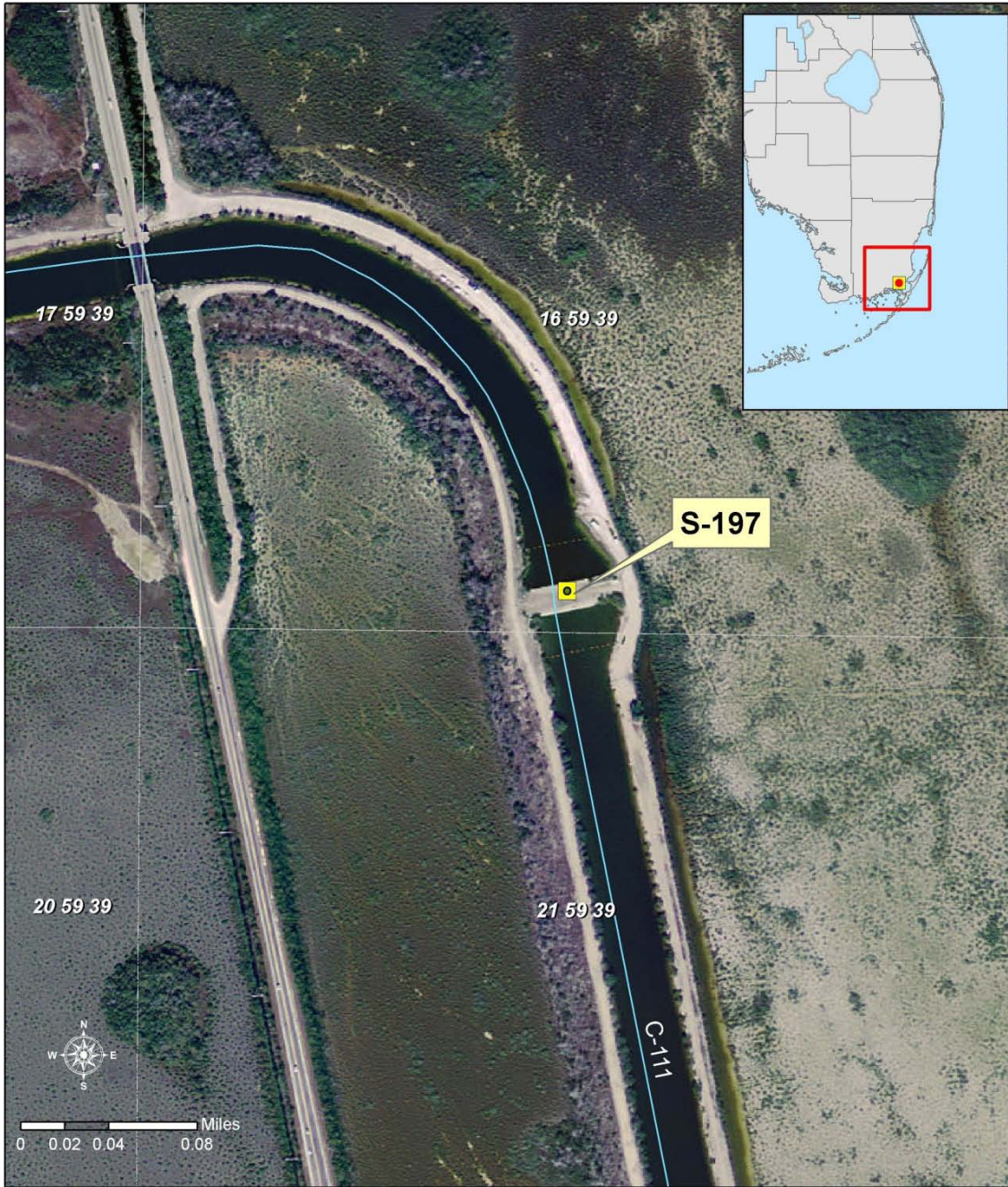
- A boat ramp under construction by the Florida Department of Transportation will give boaters access to waters in the C-111 Canal upstream of the S-197 structure.
- Public access through the new S-197 Structure will be limited by floating barriers installed upstream and downstream of the structure.



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S-197 Structure Replacement Project



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Project Location Map

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