WATER CONSERVATION AREA 3 DECOMPARTMENTALIZATION | Physical Model

FACTS & INFORMATION

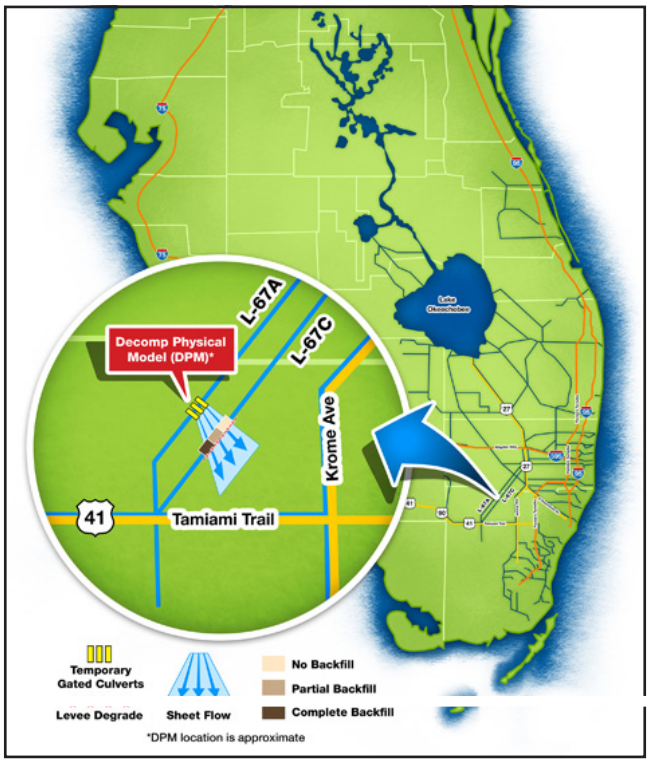
AUGUST 2015

The Water Conservation Area 3 (WCA-3) Decompartmentalization (Decomp) and Sheetflow Enhancement Physical Model (DPM) is a field test that will be conducted along a 3,000- foot stretch of the L-67A and L-67C levees and canals in WCA-3A and 3B to determine how best to design and formulate plans for future decompartmentalization of WCA-3, as visualized in the Comprehensive Everglades Restoration Plan (CERP).

The DPM is designed to address scientific, water flow and water management uncertainties that require clarification prior to future planning and construction of Everglades restoration projects, authorized in the Water Resources Development Act of 2000.

PROJECT LOCATION

The DPM is located in Miami-Dade County along the southern end of the L-67A and L-67C canals within Water Conservation Area 3 (WCA-3).



PROJECT COMPONENTS

This project provides for the temporary installation and testing of the following DPM features:

- Installation of 10 60-inch culverts in L-67A Levee (S-152).
- A 3,000 -foot gap in the L-67C Levee with three 1,000-foot backfill treatments; no backfill, partial backfill and complete backfill using adjacent levee material.
- The S-152 structure will have a maximum combined flow of 750 cubic feet per second (cfs), with velocities up to 3 centimeters per second to allow for pulse releases between the L-67A and L-67C levees toward the various backfill treatments in the L-67C gap.
- De-construction will occur at the end of DPM testing period and the project area will be restored to pre-DPM conditions.

PROJECT STATUS

Installation of the DPM was completed in October 2013. The first operational testing period was conducted from November - December 2013, and the second operational testing period was conducted from November 2014 - January 2015.

Access through the L-67A canal will remain open during and after installation. Access through the northern portion of L-67C will be blocked until the model is decommissioned.

FOR MORE INFORMATION

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