

FACTS & INFORMATION



MARCH 2018

The Water Conservation Area 3 (WCA-3) Decompartmentalization (Decomp) and Sheetflow Enhancement Physical Model (DPM) is a large-scale field study being conducted along a 3,000-foot stretch of the L-67A and L-67C levees and canals in WCA-3A. The DPM is designed to address scientific, water flow, and water management uncertainties that require clarification prior to future planning, design, and construction of Everglades restoration projects authorized under the Comprehensive Everglades Restoration Plan (CERP) in the Water Resources Development Act of 2000.

PROJECT LOCATION AND COMPONENTS

The DPM is located in Miami-Dade County along the southern end of the L-67A and L-67C canals within WCA-3. These features were temporarily installed for testing:

- Ten 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 has a maximum combined flow of 750 cubic feet per second, 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.

Per current authorization, de-construction will occur at the end of the DPM testing period and the project area will be restored to pre-DPM conditions.

PROJECT STATUS

DPM installation was completed in October 2013. Four operational testing periods have been conducted within the November–January testing window from 2013–2017. Phase II operational testing is currently under way, with year-round testing tentatively planned through 2021. 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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