

FACT SHEET
COMPREHENSIVE EVERGLADES RESTORATION PLAN
Hillsboro Canal and Lake Okeechobee Aquifer Storage
Recovery Pilot Projects
(Boca Raton and Okeechobee, Florida)
 Construction General (C)
 Congressional Districts: 17, 18, 20, 21, 22, 23, 24, 25

1. DESCRIPTION

The Hillsboro Canal and Lake Okeechobee Aquifer Storage Recovery (ASR) Pilot projects were authorized in the Water Resources Development Act (WRDA) of 1999, Public Law (P.L.) 106-53, Section 101(a)(16), dated August 17, 1999. WRDA 2007 provided for an increased total project cost under the Section 902 Limit and identified that O&M of the Hillsboro Canal and Lake Okeechobee ASR Pilot Projects is the responsibility of the sponsor, SFWMD.

ASR is a water management technology in which excess surface water is captured during high wet season flows, stored in subsurface permeable zones, then recovered for distribution into the greater Everglades ecosystem. Information obtained from the pilot project provides the hydrogeological and geotechnical characteristics of the upper Floridan Aquifer System (FAS) within the region, and assesses the ability of the FAS to maintain recharged water for future environmental water supply and other water needs in South Florida.

2. FUNDING

Estimated Total Cost	\$31,577,000
Estimated Federal Cost	21,299,000
Allocation thru FY13	13,785,879
Carry In for FY14	0
Allocation for FY14	
President's Budget FY15	0

3. SPONSOR

South Florida Water Management District
 3301 Gun Club Road
 West Palm Beach, Florida 33406

4. STATUS

The Pilot Project Design Report (PPDR) and National Environmental Policy Act (NEPA) Environmental Impact Statement (EIS) Record of Decision (ROD) were approved in October 2005.

The U.S. Army Corps of Engineers (USACE) completed the plans and specifications (P&S) for the Lake Okeechobee sites at Port Mayaca and Kissimmee River in 2007 and 2008, respectively. Construction of the Kissimmee River ASR system was completed in December 2007. Preliminary operational testing to confirm state and federal regulatory compliance was completed for the Kissimmee River ASR pilot site in December 2008.

Construction of the Kissimmee River ASR pilot facility and Hillsboro Canal ASR system were completed in 2008. Four operational tests of the Lake Okeechobee ASR facility were conducted for four years to assess the local hydrogeological properties of the Hawthorn confining unit and Floridan aquifers and to evaluate recovered water treatment requirements. Data and conclusions from the ASR pilot project will be utilized by the ASR Regional Study Team to address uncertainties about regional ASR implementation. These facilities were transferred to SFWMD in 2013.

The Lake Okeechobee Pilot Project technical data report summarizing the testing of aquifer storage and recovery systems incorporated findings from both the Hillsboro Canal ASR pilot and the Lake Okeechobee pilot project sites was certified complete in January 2014.

Orlando

CERP ASR Hillsboro and Lake Okeechobee Pilots



<u>Pilot Project Sites</u>	<u>ASR Wells</u>
Kissimmee River*	1
Port Mayaca*	3**
Hillsboro	1
Caloosahatchee River	1**

**Part of the Lake Okeechobee Pilot Project*
***Wells not constructed.*