

FACT SHEET
EVERGLADES AND SOUTH FLORIDA ECOSYSTEM RESTORATION
Critical Restoration Projects: Overview
Construction (C)

Congressional Districts: 7, 9, 10, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27

1. DESCRIPTION

The Water Resources Development Act (WRDA) of 1996, Section 528, Everglades and South Florida (E&SF) Ecosystem Restoration, included authorization in 528(b)(3) for implementation of critical restoration projects. These critical projects are defined as providing immediate, independent, and substantial restoration benefits, and to be consistent with the Conceptual Plan of the Governor's Commission for a Sustainable South Florida; having a local sponsor and not being authorized components of the Central and Southern Florida (C&SF) Project. A total of \$75 million was authorized with federal appropriations to be matched by local sponsors. The maximum federal expenditure on any one project was capped at \$25 million. Five projects were cited as examples in the committee language accompanying WRDA 1996; L-28 Modifications, Tamiami Trail Culverts, Keys Carrying Capacity Study, East Coast Canal Structures, and Melaleuca Eradication. Originally, 13 projects considered under this authorization. It was recognized that the total estimated costs for all 13 projects under consideration would exceed the \$75 million federal funding cap. Letter reports were prepared for each project and the various agencies working in concert with the Working Group, Governor's Commission on a Sustainable South Florida, and the Task Force to determine the final nine projects that were to move forward for completion under this authorization. The nine projects included: East Coast Canal Structures (C-4); Florida Keys Carrying Capacity Study, Seminole Big Cypress Water Conservation Plan; Lake Okeechobee Water Retention/Phosphorus Removal Areas; Ten Mile Creek; Western C-11 Water Quality Improvement; Lake Trafford; Southern CREW; and Western Tamiami Trail Culverts. Also, the USACE, Seminole Tribe and South Florida Water Management District (SFWMD) agreed that the Seminole Big Cypress Project would receive 100% of its federal cost share since seven of the remaining projects were sponsored by the SFWMD.

WRDA 2007 authorized the federal funding cap at \$95 million and increased the Seminole Big Cypress project federal cap to \$30 million.

Section 119 of HR3183 (FY 2010 Appropriations) raised the Ten Mile Creek project federal cap to \$28.5 million.

2. FUNDING

Estimated Total Cost	\$249,656,000
Estimated Federal Cost	98,500,000
Allocation thru FY13	89,810,000
Carry In for FY14	2,343,000
Allocation for FY14	0
President's Budget FY15	0

3. SPONSORS

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

Florida Department of Community Affairs
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

Seminole Tribe of Florida
6300 Stirling Road
Hollywood, Florida 33024

4. STATUS

Cost estimates for the projects have increased over time due to inflation, unexpected site conditions, design modifications necessary to meet the project goals, and construction bids higher than those originally estimated. According to current U.S. Army Corps of Engineers (USACE) projections, the Critical Projects Program will not have sufficient authority to fund the full federal cost share with SFWMD on Western Tamiami Trail Culverts, Southern CREW, and Lake Trafford projects. The SFWMD has proceeded with work on these projects with its own funding. An increase in the program and per-project caps would allow the USACE to share increased project costs with the sponsor. Further, as work is completed on the Seminole Big Cypress Reservation Water Retention project, if the federal program cap has not been reached, the Corps expects to be able to make remaining funding left in the cap available to apply towards the federal share of the Tamiami Trail Culverts, Southern CREW, and Lake Trafford Projects.

The following is an overview of the current status and the FY 2014 and FY2015 activities for each critical project.

EAST COAST CANAL STRUCTURES (C-4): Project completed. The project provides raised surface and ground water levels to prevent drainage of the Everglades and to reestablish natural hydroperiod patterns.

FLORIDA KEYS CARRYING CAPACITY STUDY: Project completed. The project was completed in January 2003 after official compilation of review comments from the review committee. The purpose of the FKCCS was to develop the tools (e.g. Carrying capacity Impact Assessment Model, Routine Planning Tool, Dead End Canal Module) to be used by the non-Federal sponsor, the Florida Department of Community Affairs, Monroe county and incorporated municipalities therein, to determine if and how their comprehensive development plans should be revised to ensure that any new development does not exceed the capacity of the county's environment to accommodate additional impacts.

SEMINOLE BIG CYPRESS WATER CONSERVATION PLAN: Seminole Tribe construction of the East Side Conveyance Canal System was completed in July 2003. A U.S. Army Corps of Engineers contract for construction of the Basin 1 features was awarded in September 2006 for \$18,200,000. This work was completed in June 2008. Basin 1 was transferred to the sponsor in the second quarter of FY 2010. Basin 4 construction was completed in January 2013 and was transferred to the Seminole Tribe of Florida in July 2013. The construction contract for Basin 2 was awarded in September 2013 for \$9,995,726.00 and construction is currently ongoing. Basin 2 construction is scheduled to be completed in summer 2015. Current funding is not adequate to award Basin 3 due to federal project funding cap of \$30 million.

LAKE OKEECHOBEE WATER RETENTION/PHOSPHOROUS REMOVAL AREAS:

Taylor Creek:

The construction contract was complete in April 2006. The interim operational and testing phase was substantially complete in October 2008. Construction of the project including repair of latent defects was completed in August 2010. The project is currently functioning as intended and performing well in reducing the level of phosphorus in effluent waters discharging into the Everglades.

Nubbin Slough:

Construction of the project was physically complete in 2006. Latent defects discovered during the interim operational testing and monitoring phase was repaired in January 2010. Thereafter, the recurrence of extreme low flow conditions in the intake basin halted the system operation. The intake pool was later repaired in Fiscal Year 2012 to remedy the low flow conditions. Additional latent defects have delayed the transfer of this project to the project sponsor. Repairs are scheduled to be completed this fiscal year. Following repair of these defects, the project will be transferred to Operation and Maintenance phase in Sep 2014.

TEN MILE CREEK: Initial project construction was completed in 2006. Since that time, interim operations, testing and monitoring have been under way, in accordance with the water quality permit and Project Cooperation Agreement. In spring of 2006, preparing to transfer the project to the non-federal sponsor for full operation, structural and operational concerns were identified by the Corps. Specifically, the interior collector ditches were allowing excessive seepage, there was interior erosion due to interior runoff that scours areas where soil cement meets the reservoir floor, boils were observed in embankment due to excessive seepage, and there was no positive drainage away from embankment. By September 2007, identification and planning of a course of action to address the issues of concern began. This process identified project deficiencies and their associated costs. A report was prepared in October 2008 to address structural and operational issues with the facility and the need for additional Federal funds above the authorized \$25M cap.

The Energy and Water Development and Related Agencies Appropriations Act, 2010 raised the federal funding cap by \$3.5 million. The additional funding will be used to complete a post authorization change report and to fund the maintenance in caretaker status until 2013.

A new cost-share agreement with SFWMD is required to support completion of a PAC report. At this time, the sponsor is unwilling to support preparation of the PACR. The Corps is currently involved in litigation with the designer of record.

WESTERN C-11 WATER QUALITY IMPROVEMENT: Construction complete. The project implemented structural and operational modifications to the S-9 pump station and water management system to reduce pollutant loads to the Everglades.

LAKE TRAFFORD: The PCA was signed in January 2000. The Corps-SAJ completed the plans and specifications in 2002, but because of limited Federal funding authority, did not award the construction contract. SFWMD completed the dredging activities in two phases between 2003 and 2011. The SFWMD has completed construction on Lake Trafford. Unless the federal authority for the total of these projects (\$95M) is raised, there will not be sufficient federal authority to cost-share on this project.

SOUTHERN CREW: The PCA for this project was signed in January 2000. The original goal was to acquire approximately 4670 acres of land and reestablish historical sheetflow, hydroperiods and wetland functions on the project lands, as well as enhancing hydroperiods to the larger Southern Corkscrew Regional Watershed (CREW) to the east. Other project benefits include reducing excessive freshwater discharges to Estero Bay, improving water quality to the Imperial River and Estero Bay and improving habitat for fish and wildlife. SFWMD is nearing completion on land acquisition and is continuing design and construction using non-federal funds. According to the SFWMD there is about 6 Million dollars of construction remaining on the Southern Crew Project. Unless the federal authority for the total of these projects (\$95M) is raised, there will not be sufficient federal authority to cost-share on this project.

TAMIAMI TRAIL CULVERTS: The Corps completed plans and specifications and SFWMD has constructed a portion of the culverts. Unless the federal authority for the total of these projects (\$95 M) is raised, there will not be sufficient federal authority to cost-share on this project.