

Cypress Creek Floodplain Restoration Project Revised 6/7/2022

Category Non-Concurrency
Project Number 9057A
Location South County / Loxahatchee
District 3

Project Limits East of I-95, 1-mile north of the Martin County line in Jonathan Dickinson State Park

Related Projects
Lead Dept/Division Public Works/Ecosystems Restoration and Management



DESCRIPTION

This project is to design, permit and build a structure within Cypress Creek to restore the freshwater floodplain of this critical tributary. Cypress Creek is one of the main tributaries to the the Loxahatchee River and its restoration is critical to the river's health. The project will include a feasibility study to determine what the structure will be made of, where it would be located and how to best access the area. Once the feasibility study has been completed, full design will begin. The project will require obtaining a permanent access and maintenance agreement with the Florida Park Service. Staff will seek grant funding to off-set the costs of design and construction.

BACKGROUND

Martin County has spent the last 15-years helping acquire and restore the Cypress Creek watershed in an effort to restore the Loxahatchee River. The Cypress Creek watershed includes natural areas, residential developments and golf courses. Through previous efforts, thousands of acres of the watershed have been restored. Rehydrating the floodplain of Cypress Creek is another critical step in restoring this watershed. The floodplain of the creek itself has been heavily impacted by channelization and other human activities. As a result, the floodplain is rarely hydrated even during the rainy season and the area is now dominated by exotic vegetation. The purpose of this project will be to build a structure in Cypress Creek to rehydrate into the floodplain area.

PROJECT ORIGATION Levels of Service/Comprehensive Plan Requirements

JUSTIFICATION

This project will help restore the Cypress Creek floodplain and the Loxahatchee River (CERP). The project will enhance County projects that were completed in the watershed previously. The project involves the construction of a structure in the floodplain of Cypress Creek to improve hydrology of the watershed and reduce saltwater intrusion during the dry season. Through restoring this area the project supports Chapter 9 (9.1G.3) Conservation and Open Space Element of the Martin County Comprehensive Growth Management Plan.

									Unfunded
Expenditures	Total	To Date		FY22	FY23	FY24	FY25	FY26	FY27-31
Design	23,634			23,634					
Construction	1,175,000			175,000	1,000,000				
Expenditure Total	1,198,634	0		198,634	1,000,000				0
Revenues	Total	To Date	Carryover	FY22	FY23	FY24	FY25	FY26	FY27-31
Ad Valorem	280,000	0		0	280,000				
Grant	500,000	0		0	500,000				
Franchise Fees	198,634	0	198,634	0					
Stormwater MSTU	220,000	0	145,000	0	75,000				
Revenue Total	1,198,634	0	343,634	0	855,000	0			0
							Total Unfunded		0

OPERATING BUDGET IMPACT

Operating budget impacts will be determined once project design is complete. Based on similar type structures the estimated fiscal impact will be \$5,000 / year.