

RESTORE Act Ecosystem Restoration Project Proposals
for consideration in the Gulf Coast Ecosystem Restoration Council's Comprehensive Plan
2012

Contact Information: Veronica Crow, Environmental Section Manager Southwest Florida Water Management District 2379 Broad Street Brooksville, FL 34604 352-796-7211 ext. 4267 Veronica.Crow@SWFWMD.state.fl.us					Date of Submittal: 10/9/2012		
Name of Project: Three Sisters Springs Wetland Treatment Project					Org and Rank:		
Project Description: Construction and management of a stormwater treatment wetland to be constructed on the Three Sisters Springs property. The treatment wetland will intercept stormwater from more than 100 acres of commercial and residential land within the City of Crystal River, improving the water quality of these waters before they discharge into Kings Bay. The Three Sisters property is co-owned by the District and the City of Crystal River, and will be managed by the US Fish and Wildlife Service. In addition to the treatment wetland, the property will also be used for recreation, education, and the protection of endangered manatees.							
Project Location: Citrus county, FL. Located on the Three Sisters Springs parcel (57 acres) located just south of downtown of the City of Crystal River, FL.							
Responsible Party: South West Florida Water Management District				Partners:			
NEP:		Project Cost: \$862,624.00			Dollars Needed: \$862,624.00		
Start: 6/30/2010				Completion: 10/31/2013			
Status of Project Design and Permitting: Design and Conceptual plan are complete							
What Date or Year could Construction Feasibly Begin: 2013							
Your Proposed Timing of Funding (given permits, phasing, staging, etc.)							
FY	Previous	12/13	13/14	14/15	15/16	16/17	Total
\$406,765.00	\$13,553.00	\$442,306.00	\$862,624.00	\$862,624.00	\$862,624.00	\$862,624.00	\$862,624.00
Quantify Environmental Results and How to Measure Them: The Three Sisters stormwater treatment wetland will remove nutrients and other pollutants from stormwater that discharges into a canal directly connected to Kings Bay, thereby improving water quality in Kings Bay. Water quality monitoring pre and post project will assess the actual potential improvements to water quality.							
Economic Benefits (including ecosystem services): Total value added (Value-added is the sum of employee compensation, proprietor income, other property type income and indirect business taxes, values are in 2012 dollars) equals \$865,235.19. Local businesses are dependent on tourism and ecotourism dollars with saltwater fishing contributing over \$3 million dollars annually to the economy with more than 50 percent of the population (tourist and resident) participating in freshwater and saltwater activities in the area. Additional research show that improved water quality that results in a 17% increase in Secchi disk depths equates to an \$11,155.00 increase in water front property values.							
Estimated number of Jobs Created or Preserved: 13							

How much Habitat will be restored and conserved: 6 acre stormwater treatment area that will treat runoff from approximately 135 acres of commercial and residential land use.

Quantify pollutant reductions:

What living coastal/marine resources will be improved and by how much: Macrobenthic communities, fish communities and native plant communities by reduction of nitrogen and phosphorous.

How will community resilience be enhanced: Removal of drainage ditch and construction of wetland treatment system in concert with future conceptual plans for multiuse development of a park at the Three Sisters Parcel will increase community resilience.

Additional Justification:

Add any photos or maps that explain project:

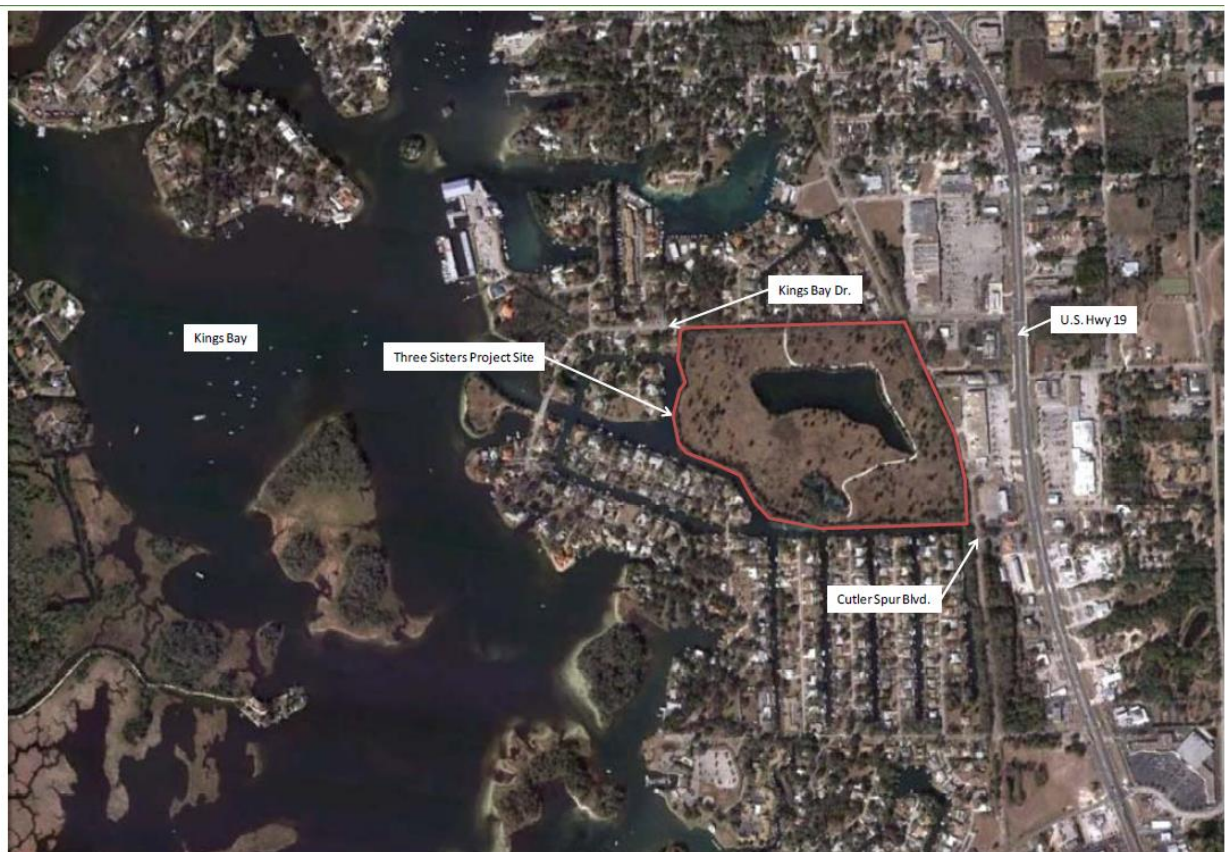


Figure 1 - Three Sisters Stormwater Wetland Location Map