

Title	Quantify Env Results
Beautiful Island acquisition	Preservation of parcel which could be developed. Was proposed at marina site in past. Single residence now on island.
Edison Farms Trust Land Acquisition	Complete landscape plan in support of the South Lee County Surface Water Master Plan, the Southwest Florida Comprehensive Watershed Plan (formerly Southwest Florida Feasibility Study) and provide habitat concurrent with Lee County's comprehensive conservation master planning efforts. The four easternmost sections of the Edison Farms property are a part of Florida Forever's CREW project, and acquisition including the two westernmost sections would result in increased conservation lands immediately adjacent to CREW (Exhibit 2). The property is also entirely within Primary panther habitat (Exhibit 3) and the Core Foraging Areas of two wood stork colonies (Exhibit 4) and acquisition would also support numerous recovery plan policies for both species.
Land Acquisition – Lemon Bay Watershed	Acquiring 50 acres on Lemon Bay would protect estuarine habitat along the coast as well adjacent scrub habitat for the endemic Florida Scrub-Jay. County environmental land stewardship programs already monitor Florida Scrub-Jays on a regular basis. Increased protected habitat acreage and future scrub-jay population monitoring will provide quantifiable measures.
Land Acquisition – Little Sarasota Bay Watershed	Acquiring 102 acres on Little Sarasota Bay would protect estuarine habitat along the coast as well adjacent scrubby flatwoods habitat. County environmental land stewardship programs already monitor listed species on a regular basis. Increased protected habitat acreage and future monitoring will provide quantifiable measures.
Land Acquisition - Myakka River Watershed Restoration	Acquiring 31 acres along Warm Mineral Springs Creek would protect a rare spring flow which drains into the "Wild and Scenic" designated Myakka River. County environmental land stewardship programs already monitor listed species on a regular basis. Increased protected habitat acreage and future monitoring will provide quantifiable measures.
Manatee County Natural Resources Department Acquisition Funds	project of this scale would be of great magnitude and very difficult to quantify at this time
Manatee-Hillsborough Conservation Land Corridor	A recent study demonstrated that afforestation of former crop or pasture land sequesters atmospheric carbon on the order of 2.2 to 9.5 metric tons per acre per year (http://www.fas.org/sgp/crs/misc/R40562.pdt). Measurements of carbon accumulation parallels woody biomass growth. Nutrient reduction measurable from cessation of previous fertilizer application rates on commercial crop land
Strategic Coastal Land Acquisition Project: Facilitating Coastal Ecosystem Adaptive Response to Sea Level Rise	Coastal natural communities such as sea grass, oyster reefs, mangrove swamps, salt marshes, maritime hammocks, and floodplain swamps will be preserved in perpetuity. The magnitude of the improvement, when compared with alternative land-use scenarios, will depend on the characteristics of the properties protected.
Whitaker Bayou Greenway	Reduction in nutrients and sedimentation loading from numerous stormwater drains connected to the Bayou.

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Park and Watershed Restoration Project	This is Improvements could be monitored by specific need or improvement category: 1. Improvements to Whitaker Bayou water quality (at depth average, surface and bottom) could be measured by total suspended solids, turbidity, dissolved oxygen, E. coli., algae and bacterial counts before, during and after the Whitaker Bayou Greenway Park and Watershed Restoration project has been implemented. 2. Sarasota Bay is an Outstanding Florida Water and was designated as an Estuary of National significance in 1989 by the US Congress. The 1987 amendments to the Clean Water Act call for the identification, restoration, and protection of estuaries of National significance through the National Estuary Programs. The Comprehensive Conservation and Management Plan for the restoration of Sarasota Bay identifies Whitaker Bayou as an area for improvement. The proposed project will identify mechanisms for treating stormwater pollution using traditional and Low Impact Development technologies, restoring instream and riparian habitat in urbanized areas as well as improve recreational water access to underserved communities. The methods identified in this project can be utilized in other Florida communities to restore waterways and provide public access.