

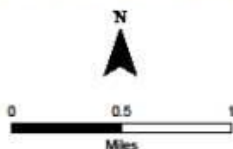
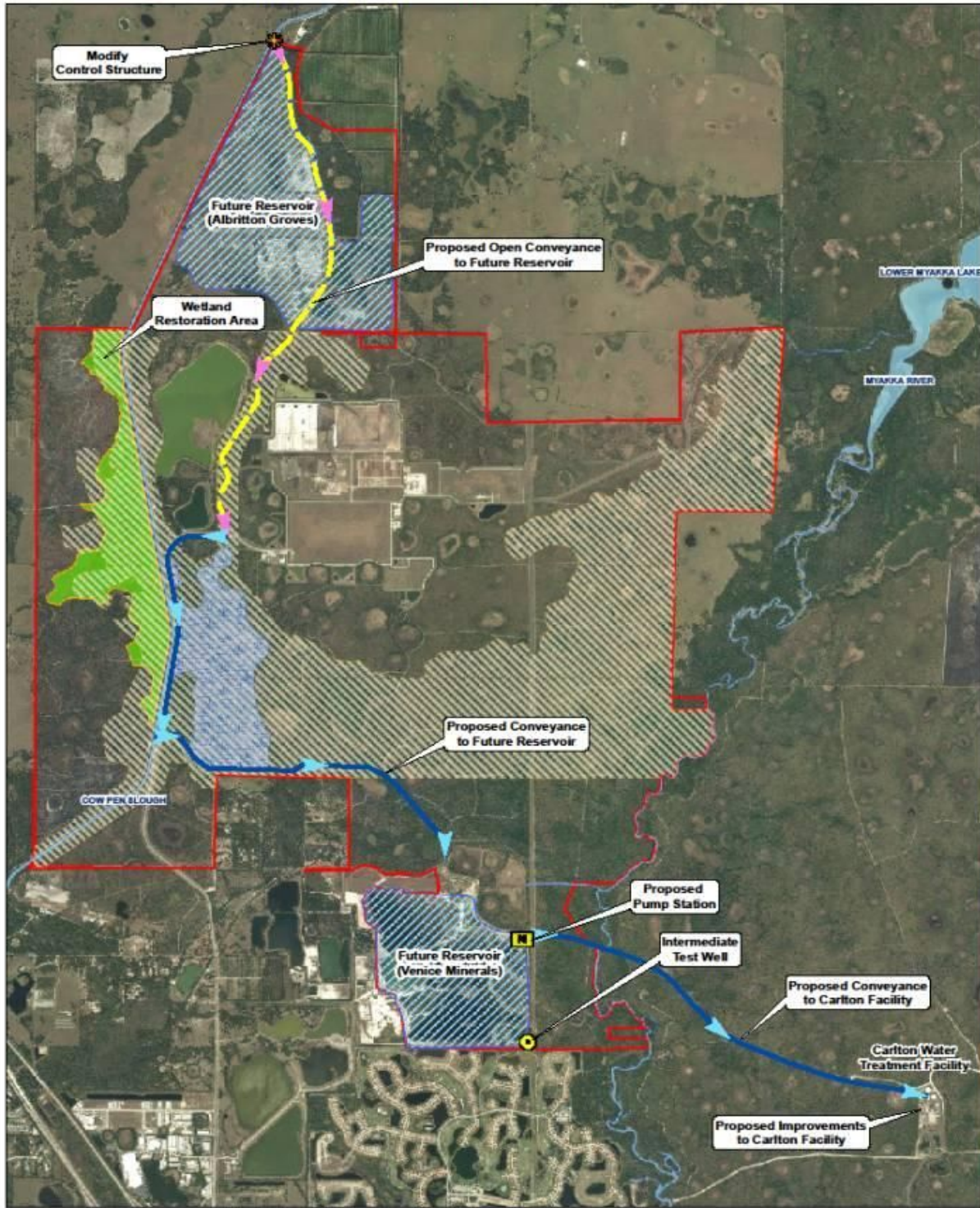
RESTORE Act Ecosystem Restoration Project Proposals
for consideration in the Gulf Coast Ecosystem Restoration Council's Comprehensive Plan
2012

Contact Information: Michael Jones, Sarasota County Water Resources, mjones@scgov.net , (941) 650-9926				Date of Submittal: January 2013			
Name of Project: Dona Bay Environmental Restoration				Org and Rank: Sarasota County / 2			
Project Description: This is a multi-phase implementation for the Dona Bay Watershed Management Plan (DBWMP). The existing Dona Bay watershed has been significantly impacted by man-made drainage activities, which increased the efficiency and volume of freshwater being discharged to its tidal estuary. Objectives are as follows 1) Providing a more natural freshwater/saltwater regime in the tidal portions of Dona Bay by removing a portion of the excess flow; 2) Provide an opportunity for alternative water supply development along with environmental restoration; 3) Provide some flood protection through storage; 4) Provide pollutant load removal and 5) Provide rehydration of wetlands by rerouting flow to the original slough path. Specifically this project will construct the conveyance system north through County owned property on the east side of Cow Pen Slough and construct modifications to the Albritton weir structure on Cow Pen Slough that will divert water into the conveyance system. This project will also construct a surface water storage/treatment facility. The facility will be an in-ground surface water treatment facility that will attenuate and treat excess freshwater flows from Cow Pen Slough This project further implements the Dona Bay plan by preventing excessive freshwater from entering Dona Bay and diverting it to a 380 acre surface water storage facility for attenuation and treatment prior to being released back into the Dona Bay system.							
Project Location: Sarasota County, Florida							
Responsible Party: Sarasota County				Partners: Southwest Florida Water Management District			
NEP: : Charlotte Harbor		Project Cost: \$11,250,000			Dollars Needed \$3,750,000		
Start: 2012				Completion: 2016			
Status of Project Design and Permitting: Some components of the conveyance system have received applicable permits.							
What Date or Year could Construction Feasibly Begin: October 2013							
Your Proposed Timing of Funding (given permits, phasing, staging, etc.)							
FY	12/13	13/14	14/15	15/16	16/17	17/18	Total
	\$1,000,000	\$1,000,000	\$1,000,000	\$750,000			
Quantify Environmental Results and How to Measure Them: Environmental results will be quantified by reduction of flows to the estuary measured by stage heights and discharge curves. Phases of the project are estimated to reduce excess flows by 15% to 80%.							

Economic Benefits (including ecosystem services): Quantified economic benefits are estimated based on pollutant load removal. Phase 1 has the potential to remove up to 10,500 lbs of nitrogen a year. At \$750 per pound this is close to \$7.8 million dollars per year benefit.
Estimated number of Jobs Created or Preserved: 50 to 100 jobs based on agency oversight, construction personnel etc.
How much Habitat will be restored and conserved?: The water shed itself is 75 square miles. A 120 acre freshwater wetland habitat will be restored in later phases and the estuary itself is approximately 3
Quantify pollutant reductions:
What living coastal/marine resources will be improved and by how much?: Oyster beds will become more stable, benthic and juvenile fish restoration due to more stable salinity regime.
How will community resilience be enhanced? Stabilizing the salt freshwater regime and reduction of excess freshwater discharge will make ecologic communities more stable.
Additional Justification:

Add any photos or maps that explain project:

Dona & Roberts Bays Conceptual Environmental Restoration Plans



- | | |
|------------------------|--------------------------|
| Pump Station | Future Reservoir |
| Control Structure | Wetland Restoration Area |
| Intermediate Test Well | County Owned Land |
| Closed Conveyance | Open Use Conservation |
| Open Conveyance | Wetland Mitigation |

Map published using ArcGIS 10.1 to update on Friday, August 17, 2012

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Aerial Imagery Provided by: Aerial Cartographics of America, Inc., Sarasota County, FL, March 2012
S.A.S. 1985-2000 State Plane Florida West FIPS 8303 (2 & 3) Survey Point

FAST TRACK Sara group of WFLA