

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet

A General Information

Organization The City of Gulf Breeze			
Contact Name (First Last) Heather Reed		Title Project Manager	
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Organization Website http://www.cityofgulfbreeze.com			

B Project Information

Project Name Bring the Bayous Back			
Location (e.g. John Smith National Wildlife Refuge) Woodland, Bayou, Hoffman Bayou and Gilmore Bayou, Gulf Breeze Florida			
State(s) (Use 2-letter abbreviations separated by commas) FL	County/Parish Santa Rosa	Watershed/Basin Pensacola Bay	
Latitude (decimal degrees) (see attached)	Longitude (decimal degrees)	Project Size (Choose one) 6 miles acres tons	Affected Area 20 acres

C Project Description

Please provide more information about the proposed project. (Limit 2,750 characters.)

This proposal addresses the restoration and long term recovery of the Bayous within in Gulf Breeze using the latest technology of saltwater circulators, substrate removal and oyster, living shoreline restoration to restore the health of the ecosystem by providing removal of toxins and increased oxygen which breaking down any oil which is present in the bayous which provides better water quality to increase ecosystem populations. Installed oyster devices are proposed to monitor the progress of the water quality through tissue testing during and after the project.

Woodland, Gilmore and Hoffman Bayou in Gulf Breeze are the area of highest oil documentation and recreational activities where the impact of the oil is unknown in the Gulf Breeze area. These areas had three tiered boom strategies with turbidity curtain and periodically remained open for resident boaters. This opened exposure allowed oil to travel into the Bayous and sink into the substrate and marshes, as observed. In addition, closing off the mouths of Bayou periodically and somewhat long term using a three tiered boom strategy, may have affected the biological environment with the lack of circulation. Impacts on the fish population, oyster population and bird population have been reported as dead or lack of presence, by observation. The bayous contain sand and some muck and are surrounded by Spartina sp, patches of sea grass and oysters. Using technology to remove substrate and increase the oxygen in the waters before restoration will produce a healthy ecosystem restore the biota such as oysters, sea grass and nursery vegetation for saltwater game fish and other keystone species, including terrestrial species to support the ecosystem of the entire Bay area.

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Restoration Project Information Sheet (continued)

D Project Type(s)

(Check all that apply)

☒ Restoration

☐ Debris Removal

☐ Maintenance/Management

☒ Protection

☐ Land Acquisition

☐ Education

E Project Habitat(s)

(Check all that apply)

☐ Upland

☒ Marine/Estuarine Wetlands

☐ Beach/Dune

☐ Riverine

☐ Freshwater Wetlands

☒ Subtidal (Nearshore/Offshore)

F Resource Benefit(s)

(Check all that apply)

☒ Marine Mammals

☒ Shellfish

☒ Water Column

☒ Birds

☒ Terrestrial Wildlife

☒ Sediment/Benthos

☒ Reptiles/Amphibians

☐ Corals

☒ Shoreline

☒ Fish

☒ Vegetation

☒ Human Use (Recreational, Cultural)

Will the project directly benefit State- or Federally-listed species? If so, please list them. If not, please indicate N/A.

G Project Status

Property/Resource Acquisition NC

Time to Implementation

Project Planning/Design NC

3 months

Project Permitting. Completed for Gilmore Bayou, in process for Woodland and Hoffman Bayou

Time to Project Completion

six months

Is this project included under a regional or statewide plan?

If so, please list:

NO

H Project Costs

Estimated Cost

Funding Available

\$643,000 without match

0

I Project Partners

Partner 1 Organization

Santa Rosa County

Partner 1 Contact

Shelia Harris

Partner 1 Involvement

Support and in kind

Partner 2 Organization

Partner 2 Contact

Partner 2 Involvement

Partner 3 Organization

Partner 3 Contact

Partner 3 Involvement

Disclaimer:

The submission of project information does not guarantee project funding. Projects will be evaluated using criteria identified in OPA, NEPA, implementing regulations, and related laws. Selection and funding determinations will be made by the Trustee Council.