

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet

A General Information

<i>Organization</i> The City of Gulf Breeze			
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B Project Information

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

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)	<i>(Check all that apply)</i>		
		<input checked="" type="checkbox"/> Restoration	<input type="checkbox"/> Debris Removal	<input type="checkbox"/> Maintenance/Management
		<input checked="" type="checkbox"/> Protection	<input type="checkbox"/> Land Acquisition	<input type="checkbox"/> Education

E	Project Habitat(s)	<i>(Check all that apply)</i>		
		<input type="checkbox"/> Upland	<input checked="" type="checkbox"/> Marine/Estuarine Wetlands	<input type="checkbox"/> Beach/Dune
		<input type="checkbox"/> Riverine	<input type="checkbox"/> Freshwater Wetlands	<input checked="" type="checkbox"/> Subtidal (Nearshore/Offshore)

F	Resource Benefit(s)	<i>(Check all that apply)</i>		
		<input checked="" type="checkbox"/> Marine Mammals	<input checked="" type="checkbox"/> Shellfish	<input checked="" type="checkbox"/> Water Column
		<input checked="" type="checkbox"/> Birds	<input checked="" type="checkbox"/> Terrestrial Wildlife	<input checked="" type="checkbox"/> Sediment/Benthos
		<input checked="" type="checkbox"/> Reptiles/Amphibians	<input type="checkbox"/> Corals	<input checked="" type="checkbox"/> Shoreline
		<input checked="" type="checkbox"/> Fish	<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> 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	
		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	Partner 1 Involvement
		Shelia Harris	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.