

FLORIDA GULF OF MEXICO RESTORATION

PROJECT SUBMITTAL FORM

Form Purpose and Instructions:

- To assist the project proposal and review process, please complete this Submittal Form. Completion of the Form will contribute to the appropriate information being completely and accurately submitted for each project.
- Take as much space as needed for each question, but please keep responses as focused as possible. It may assist you to review all the questions before addressing any one question.
- Please submit one Form per project, if you have multiple projects - please submit one Form for each project.
- Please submit completed Forms to Restoration.Projects@dep.state.fl.us. Once your Form is successfully submitted, you will receive a confirmation email from the Florida Department of Environmental Protection.

Project Name:

Perdido Bay Bronson Field Living Shoreline Project

Contact Information *(Include at least one name, phone number, email address, and organization name if applicable):*

Taylor "Chips" Kirschenfeld, Senior Scientist and Division Manager
Escambia County Water Quality and Land Management Division
jtkirsche@myescambia.com (850)595-3449

Project Location *(Include a map, if possible, and the city, county, longitude/latitude, and watershed):*

Perdido Bay Watershed, Escambia County, FL
30.3819 degrees N, 87.4284 degrees W

Project Description *(Describe all aspects of the project):*

Bronson Field is part of NAS Pensacola. The Bronson Field shoreline has been heavily impacted with historical concrete seaplane ramps, impervious riparian areas, and untreated stormwater runoff. This proposed project will remove unnecessary impervious surface, construct new stormwater treatment BMPs, and construct a one-mile long living shoreline project with an offshore oyster reef

Estimated Project Costs *(Describe the estimated costs of the project, including any assumptions for contingency and ongoing operations/maintenance. Identify other secured funding sources such as matching funds, in-kind contributions or state/federal dollars. In addition, if possible, complete and submit the Cost Appendix Sheet associated with this Form):*

Perdido Bay Bronson Field Living Shoreline Project: \$5,400,000

Other Funding *(Indicate if the project is submitted for any potential funding or if it may be used to leverage additional funding, if so please describe the funding source [e.g. State/Federal Grants]):*

Technical Feasibility *(Describe the technologies involved and any relevant past experience or proven success with similar projects):*

The living shoreline project will be designed similar to the very successful Project Greenshores in Pensacola Bay.

Environmental Benefits *(Describe the nature, magnitude, and timing of any environmental benefits attributable to the project. If possible, describe potential environmental performance measures [e.g. pollutant reduction]. Please address any potential environmental impacts associated with implementing or maintaining the project [e.g. loss of a habitat or conversion of habitat from one type to another during implementation]):*

Living shorelines provide oyster reef habitat, emergent marsh habitat, and submerged aquatic vegetation habitat as well as water quality improvements associated with oyster filtration and the vegetative uptake of nutrients. Removal of unnecessary impervious surfaces in the riparian zone and the construction of new stormwater BMPs will improve water quality in Perdido Bay.

Economic and Social Benefits *(Describe the economic and social benefits including those related to the project's improved ecosystem services and any estimates on jobs created or preserved):*

Living shorelines provide oyster reef habitat, emergent marsh habitat, and submerged aquatic vegetation habitat as well as water quality improvements associated with oyster filtration and the vegetative uptake of nutrients. Removal of unnecessary impervious surfaces in the riparian zone and the construction of new stormwater BMPs will improve water quality in Perdido Bay. This project will provide increased economic benefits attributed to increased fishery production and increased recreational opportunities.

Community Resilience *(Describe if the project assists Florida's ability to anticipate, withstand, or recover from hazards or threats [e.g. hurricane preparedness, establishing living shorelines]):*

Living shorelines provide increased community resilience by attenuating storm wave energy, reducing shoreline erosion, and reducing infrastructure damage. Stormwater BMPs improve water quality and reduce stormwater runoff.

Conflicts or Complements to Existing Efforts *(Describe any ongoing activities in the project implementation area, if the project is part of another plan, and why the project does or does not interfere with that work. Please consider how the project may complement existing local, regional, and state efforts/plans/objectives):*

This proposed project complements existing efforts to improve aquatic habitat and improve water quality in Perdido Bay which is a 303(d) listed waterbody.

Complies with Federal, State, Local, and Tribal Laws/Regulations *(Describe any concerns or potential conflicts):*

This proposed project will comply with all federal, state, and local/tribal laws and regulations.

Readiness for Implementation *(Describe if the project has had any design or permitting work started or completed [attach permits or design work]. Please address any issues that may delay start or finish of the project):*

A conceptual design for this project has been completed.

Public Acceptance *(Describe any known or potential public approval or opposition to the project):*

The public is very supportive of living shoreline projects and stormwater retrofit projects that improve fishery habitat and improve water quality.

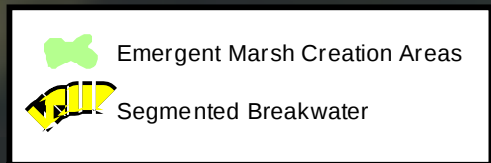
Additional Information you wish to provide *(Please include any maps, designs, drawings, photos, or background resources that may assist in completely and accurately understanding the project):*

Cost Appendix Sheet	
Cost Item	Cost Estimate
Planning	
Contracts	
Feasibility	
Engineering, Design, Land Rights, & Bid Prep	\$300,000.00
Restoration Plan	
Site Visits & Cost of Site Selection	
Administration, Overhead, and Indirect	
Other	
Planning Subtotal:	\$300,000.00
Construction	
Contracts	\$5,000,000.00
Administration & Mobilization/Demobilization	
Other	
Construction Subtotal:	\$5,000,000.00
Monitoring	
Contracts	
Data Collection	\$100,000.00
Monitoring Administration	
Other	
Monitoring Subtotal:	\$100,000.00
Project Cost	
Supervision	
Subtotal:	\$5,400,000.00
Contingency	
TOTAL:	\$5,400,000.00

Estimated Costs by Year	
Year 1	\$300,000.00
Year 2	\$5,000,000.00
Year 3	\$100,000.00
Year 4	
Year 5	
Year 6	



Perdido Bay / Bronson Field Living Shoreline Project



Reduction of Impervious Surfaces &
Installation of Stormwater BMPs

