

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:

Escambia Bay PCBs (Polychlorinated Biphenyls) Remediation

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

Pensacola Bay Watershed, Escambia County, FL
30.54 degrees N, 87.17 degrees W

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

Escambia County Water Quality Laboratory scientists recently completed a sediment sampling effort in Escambia Bay (over 500 samples) to determine the horizontal and vertical extent of highly toxic and carcinogenic PCBs. Analytical results indicated that 26 of the sediment cores are concentrated "hot spots" of PCBs.

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):*

PCB Remediation Escambia Bay: \$10,700,000

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):*

PCB remediation projects have been successfully completed in the Hudson River and other contaminated waterbodies.

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]):*

PCBs in the Escambia Bay sediment are continually resuspended into the water column where they become bioavailable to fish and shellfish and enter the human food chain. Recent studies show that fish species inhabiting Escambia Bay contain significant concentrations of PCBs in their tissue. The fish species studied (sheepshead, white trout, speckled trout, croaker, and mullet) are utilized by many local

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):*

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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]):*

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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 ongoing efforts to improve sediment and water quality in 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 applicable federal, state, and local/tribal laws and regulation.

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):*

Preliminary delineation of the areas of contaminated sediment has been completed (see attached map). Funding is needed to complete the remediation phase of the project.

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

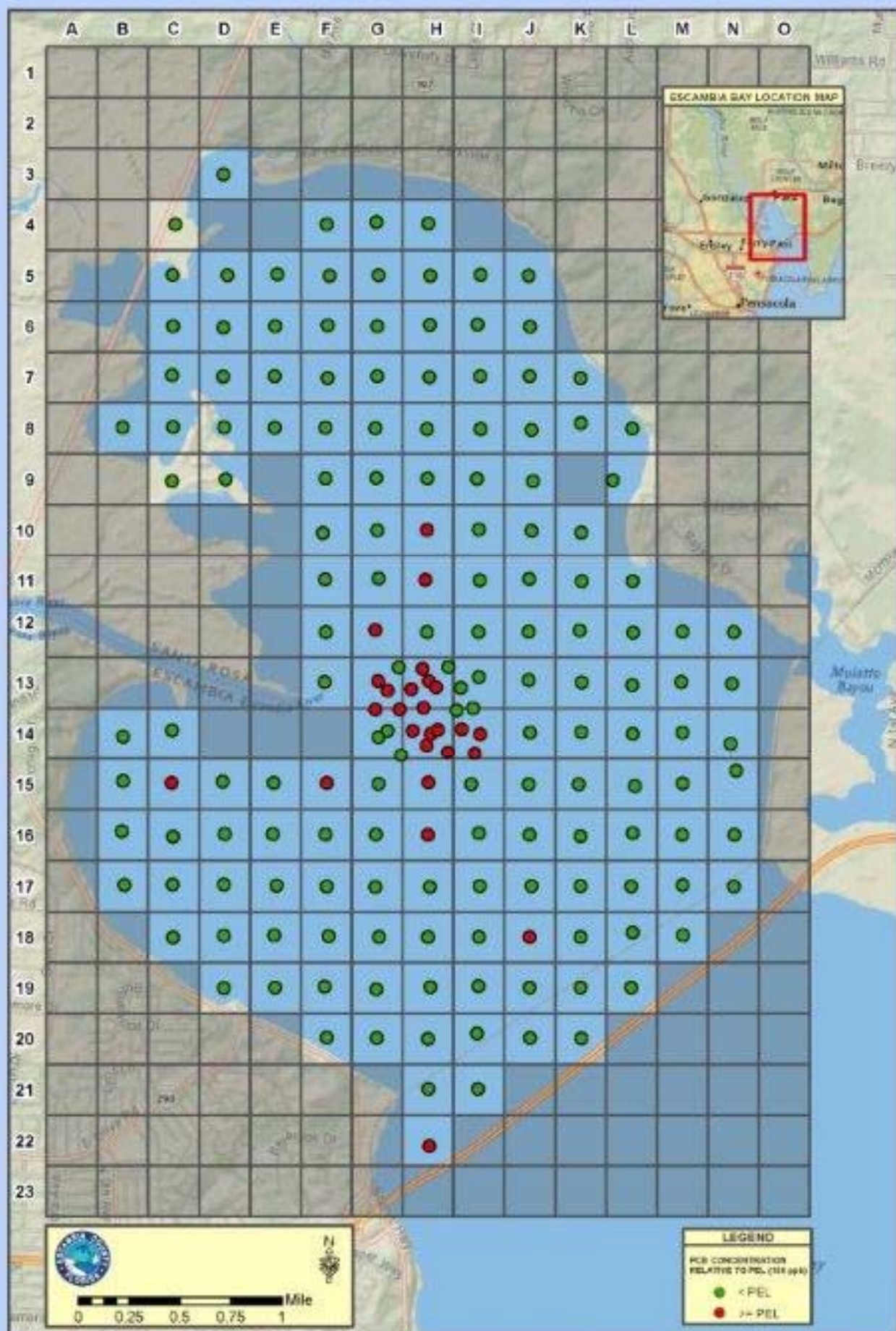
The public is very supportive of remediation projects that remove contaminated sediment and improve sediment and water quality.

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):*

Attached map

Cost Appendix Sheet	
Cost Item	Cost Estimate
Planning	
Contracts	
Feasibility	
Engineering, Design, Land Rights, & Bid Prep	\$500,000.00
Restoration Plan	\$100,000.00
Site Visits & Cost of Site Selection	
Administration, Overhead, and Indirect	
Other	
Planning Subtotal:	\$600,000.00
Construction	
Contracts	\$10,000,000.00
Administration & Mobilization/Demobilization	
Other	
Construction Subtotal:	\$10,000,000.00
Monitoring	
Contracts	
Data Collection	\$100,000.00
Monitoring Administration	
Other	
Monitoring Subtotal:	\$100,000.00
Project Cost	
Supervision	
Subtotal:	\$10,700,000.00
Contingency	
TOTAL:	\$10,700,000.00

Estimated Costs by Year	
Year 1	\$600,000.00
Year 2	\$10,000,000.00
Year 3	\$100,000.00
Year 4	
Year 5	
Year 6	



Escambia Bay Polychlorinated Biphenyl Sediment Remediation Project
 – Results of Phases II and III –
 Maximum Observed Concentration of Total PCB Aroclors within
 Upper Escambia Bay Relative to Probable Effects Level (PEL)