

#33

GULF COUNTY RESTORE ACT PROJECT PRE-PROPOSAL FORM

Project Name: Chipola River Cutoff Streambank Stabilization

Submitting Entity: Preble-Rish Consulting Engineers

I. Please select one or more eligible activity that the project is classified under:

- Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast region.
- Mitigation of damage to fish, wildlife and natural resources.
 - Implementation of a federally approved marine, coastal or comprehensive conservation management plan, including fisheries monitoring.
- Workforce development and job creation.
 - Improvements to or on State parks located in coastal areas affected by the Deepwater Horizon oil spill.
- Infrastructure projects benefitting the economy or ecological resources, including port infrastructure.
- Coastal flood protection and related infrastructure.
 - Planning assistance.
 - Promotion of tourism and seafood in the Gulf Coast region.

II. Please provide an executive summary of the project. Describe/quantify the economic (jobs, infrastructure, tourism, etc.) and environmental benefits (habitat, quality, knowledge, long-term sustainability, etc.).

For the purposes of stabilizing streambanks along approximately 0.5 miles of the Chipola River Cutoff, several previously identified degraded and actively eroding streambanks including waterfront property on Byrd Parker Road as well as the Ray McEachin Property on CR22 will be stabilized using soil bioengineering and vegetative planting techniques. Bioengineering will consist of the installation of native material revetments and rootwads to armor the bank, dissipate and deflect flow, create fish habitat and protect threatened and endangered aquatic species (i.e., mussels and sturgeon). Further streambank stabilization will be accomplished with the use of native vegetative plantings, including the installation of live stake tree cuttings. The stabilization of streambanks along the Chipola River Cutoff will protect the watercourse from undue sedimentation, prevent further loss of land, promote positive effects on riparian habitats, provide natural habitat for aquatic communities, and protect Gulf County infrastructure.

III. Please provide a cost summary/budget. Detail any matching/cooperative funds available for use, and any cooperative support from governmental or other agencies.

For the purposes of stabilizing streambanks along the Chipola River Cutoff, Preble-Rish is requesting \$750,000 for the implementation of proper stabilization measures and monitoring of project success.

IV. Please provide a timeline for project completion. Explain the technical and environmental feasibility (including any permitting considerations) of the project.

To successfully stabilize streambanks along the Chipola River Cutoff including the monitoring of project success, Preble-Rish would require 1 to 3 years for completion. Permitting considerations are necessary for streambank stabilization implementation on both private and public lands with the Florida Department of Environmental Protection as well as the U.S. Army Corps of Engineers.

V. Please provide the qualifications of the Submitting Entity, the financial feasibility/sustainability and the economic feasibility and sustainability of the project (probability of success, etc.).

Preble-Rish Consulting Engineers will lead the Chipola River Cutoff Streambank Stabilization in Gulf County, with Vice President Cliff Knauer, P.E. as the principal investigator for the project. Mr. Knauer earned his Bachelor of Science in Engineering from Florida State University and has over 15 years of experience as a Florida licensed engineer. Through his professional career he has developed pertinent restoration skills, including survey techniques, appropriate re-vegetated plant community designs, shoreline stabilization designs, and soil bioengineering approaches and construction supervision.

Cameron Morris is the Senior Project Manager and EIT for Coastal Hydrology with 8 years of experience in fisheries and restoration. Cameron earned his Bachelor of Science degree in Ecology from the University of Georgia as well as a Master of Science degree in Civil Engineering from Florida State University. Cameron has extensive experience working in fisheries both internationally as well as throughout the Southeast and Western United States. He has worked in both the private and public sector applying the methods of Natural Channel Design acquired by completing Levels I-IV with Wildland Hydrology. Through his experiences working in academia, environmental consulting firms, as well as for the U.S. Fish and Wildlife Service, Cameron has acquired skill sets in restoration, watershed threats assessments, land surveying techniques, as well as biological and ecological samplings, assessments, and analysis.

The combined experience and expertise in aquatic ecosystem function and familiarity with appropriate streambank stabilization techniques provides Preble-Rish and Coastal Hydrology a high degree of project success.

VI. Please provide the anticipated results of the project, and whether it is included in a City of Port St. Joe, City of Wewahitchka or Gulf County Comprehensive and Mitigation Plan?

By stabilizing streambanks along the Chipola River Cutoff, the anticipated results for Gulf County would entail a reduction in stream-bound sediment, a decreased risk of land loss by erosional processes, and enhanced aquatic and riparian habitat. Additionally, the success of each project will be monitored including a final detailed report.

This proposal addresses the Gulf County Comprehensive and Mitigation Plan's Chapter 1, Goal's 1 and 2, and Chapter 6, Goal 1, Objective 1.3, Objective 1.4, and Policy 1.4.3.

Submitted By:

Cliff Knauer

Signature



February 25th, 2013

Date

Preble-Rish

Company Name

342 Marina Drive, Port St. Joe, FL 32456

Address

Address

(850) 267 - 0759

Telephone Number

knauerc@preble-rish.com

E-mail Address (if applicable)

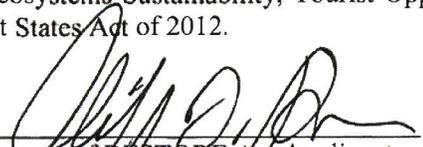
**BOARD OF COUNTY COMMISSIONERS
GULF COUNTY, FLORIDA
RESTORE ACT COMMITTEE (R.A.C.)**

1000 CECIL G. COSTIN SR. BLVD., ROOM 312, PORT ST. JOE, FLORIDA 32456
PHONE (850)229-6144 • FAX (850) 229-9252 • EMAIL: tkopinsky@gulfcounty-fl.gov

**PUBLIC RECORDS POLICY AND PUBLIC ACCESS ACKNOWLEDGMENT FOR
GULF COUNTY RESTORE ACT APPLICANTS**

I, Clifford L. Knauer, P.E. the undersigned authority and/or representative of the entity Preble-Rish Consulting Engineers and or the individual who has submitted the Gulf County RESTORE Act Proposal/Pre-Proposal titled Chipola River Cutoff Streambank Stabilization hereby acknowledge, consent and accept the following representations that coincide with my/our submission for consideration, evaluation and possible recommendation and approval by the Gulf County Board of County Commissioners for funding from the RESTORE Act distribution that strictly complies with the guidelines and regulations set forth under the Restoration and Ecosystems Sustainability, Tourist Opportunities and Revived Economies of the Gulf Coast States Act of 2012:

1. I/We am the authorized representative of the application/pre-proposal referenced above.
2. I/We have thoroughly reviewed and familiarized myself and/or my entity on which I have submitted the application/pre-proposal on behalf of with the entirety of the Gulf County Public Records policy.
3. I/We have thoroughly reviewed and familiarized myself and/or my entity on which I have submitted the application/pre-proposal on behalf of with the entirety of the Florida Statute Chapter 119 which controls and permits public access to information.
4. I/We hereby acknowledge, consent and agree to the controlling policies and statutes above as well as the free and open exchange of any and all submissions provided hereunder this application/pre-proposal and all information exchanged hereafter including but not limited to further amendments to these proposals as well as surveys, studies, research, data production, books, drawings, property records, work papers, county owner lists, files, forms, reports, accounts, documents, manuals, handbooks, instructions, printouts relating in any manner for the production of the application. In addition, all papers, notes, data, reference material, documentation, programs, printouts, and all other media and forms of expression that in any way include, incorporate or reflect any confidential information of what ultimately shall become the Gulf County plans for use and application of the RESTORE Act funding.
5. I/We acknowledge, agree and fully consent to cooperate with the appointed Gulf County RESTORE ACT committee, county officials and staff as a continuing obligation and condition of final review for this RESTORE Act application/pre-proposal.
6. I/We have submitted this acknowledgment to Gulf County RESTORE Act Committee and the Gulf County Board of County Commissioners for the purpose and intent of receiving an evaluation, review and possible recommendations for anticipated funding from the Restoration and Ecosystems Sustainability, Tourist Opportunities and Revived Economies of the Gulf Coast States Act of 2012.



Signature of RESTORE Act Applicant

Date: 2-25-13

Cliff L. Knauer

Printed Name