

GULF COUNTY RESTORE ACT PROJECT PRE-PROPOSAL FORM

Project Name: Coastal Visions

Submitting Entity: JoeBay Aerials

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.).

This project incorporates aerial photography with three mobile applications. The main purpose is to provide recent high resolution shoreline aerial photography (both obliques and verticals) on mobile devices and PCs. The aerial imagery covers two separate areas of interest. The primary area is the shoreline of Gulf County and will be shot at low altitude providing verticals and obliques taken from the water towards land. The overlapping images will be provided semiannually at the beginning and end of hurricane season. Up to twelve additional annual "event" based aerial flights will target specific trauma areas which may include flood or wind damage, red tide and fish kills, or beach projects. The project includes 4 full coastal mapping flights (2 years) and 24

additional assessment flights. All imagery will be available online free of charge and using the Coastal Visions mobile ipad/iphone app for a reasonable semiannual subscription.

The second group of aerial photos will allow public progress monitoring of funded restore projects and will be for 18 months. These images will also be available online and will serve to increase public awareness and confidence in the funded projects.

There are three mobile application projects included also. The first will allow viewing of the coastal obliques and verticals on an iphone or ipad. Imagery will be full resolution zoomable and scrollable down the desired coastline. They can be triggered to scroll automatically based on gps location if available. The minimal image subscription fee will fund additional imagery after the 2 year program is completed.

The second application is a free public participation module for ipad and iphone users. This free app will let residents and visitors submit experiential location tagged photos and data to report: scallop harvesting, sea turtle nests, fish kills, tar balls, eagle and osprey nests, hazards and other targets of interest including hot spots for fishing, birding, sunsets, hiking, kayaking and boating. The image database will be displayed geographically in selectable layers using the same application.

The final mobile application involves posting QR codes at sites across the county where information dissemination is helpful. These QR codes are easily scanned by any camera equipped phone and take the user to a web page specific to that location. For example, a scallop kayak launch point could provide info on close by scalloping spots, images or videos showing visitors how to find and clean scallops as well as the regulations. It would also request the visitors provide feedback using the public participation app previously described. These QR codes could also provide self guided kayak tours from the Odena launch site.

It is estimated that up to 3 part to full time jobs would be created by this project.

Tourists and visitors would be able to visually explore the coastlines of Gulf county, access location dependant information through QR codes and find interesting activities and information by searching the public participation image database. County residents would have mobile visual access to the coastline, the perfect solution for real estate sales, property development and vacation rentals.

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

Approximate cost for aerial photography, software development and program maintenance for 2 years \$265,000. Matching funds and grants are unknown at this time.

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

Aerial Photography would begin in late spring 2013 prior to the start of hurricane season. Software development would commence as soon as project funding date was set. Public mobile participation software would be ready for deployment within 90 days of funding followed by the Coastal Visions module and finally implementation of the QR code public information stations. JoeBay Aerials is currently an approved Apple iOS developer and has over 35 years experience in software and hardware development. No permits will be required for this project.

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.).

JoeBay Aerials has been producing top quality professional aerials and ground photography for over 12 years. We are located at Costin Airport and own a Cessna 177RG aircraft. The owners, Jon and Debbie Hooper, have received numerous awards for technical products as well as image competition. Debbie was awarded the coveted "Master of Photography" certification in 2012. Jon has been involved with many GPS related software projects and has developed custom applications to facilitate the taking and geo-referencing of both oblique and vertical imagery. The proposed project is fully funded for the first two years, including over 100 hours of aerial flight time. It is expected that the subscription for the Coastal Visions imagery will fund the continuation of this project for many additional years. This self sustainable library of twice

yearly high resolution aerials will provide the county, its residents and visitors an invaluable visual resource.

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?

The Coastal Visions aerial library will provide the resources necessary to ensure compliance with the county comprehensive plan and will allow for future enhancements to the plan by documenting natural erosion as well as weather event destruction and sand migration patterns. It will also provide Emergency Management with resources to assess destruction and modify reaction plans to improve response and reduce future event impact. Public participation data will be analyzed every six months and new layers generated to indicate trends from the previous data sets.

Submitted By:



Jan 15, 2013

Signature

Date

JoeBay Aerials
Company Name

404 Plantation Dr
Address

Port St. Joe, FL 32456
Address

229-1215
Telephone Number

jon@JoeBay.com
E-mail Address (if applicable)

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

I, Jonathan Hooper the undersigned authority and/or representative of the entity **JoeBay Aerials** and or the individual who has submitted the Gulf County RESTORE Act Proposal/Pre-Proposal titled **Coastal Visions** 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:

- I/We am the authorized representative of the application/pre-proposal referenced above.
- 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.
- 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.
- 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.



Date: Jan 17, 2013

Signature of RESTORE Act Applicant

Jon Hooper
Printed Name

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