

National Fish and Wildlife Foundation

NFWF/Legacy Grant Project ID: 0302.11.029941

U. S. Coral Reef Task Force Partnership Initiative 2011 - Guanica - Submit Final Programmatic Report (Activities and Outcomes)

Grantee Organization: Efrain O. Figueroa

Project Title: Río Loco/Guánica Bay Watershed Educational Video (PR)

**Project Period** 10/03/2011 - 10/24/2014  
**Award Amount** \$30,000.00  
**Matching Contributions** \$5,000.00  
**Project Location Description (from Proposal)** Create video capturing current conservation projects throughout Guanica/Rio Loco watershed and in the Guanica Bay and nearshore reefs.

**Project Summary (from Proposal)** Produce an educational video of conservation practices in the watershed farmlands and the impacts in the coral reefs of Guánica Bay and Puerto Rico's southwest coast.

**Summary of Accomplishments** An educational video relating the importance of the implementation of conservation practices in local farms on the Puerto Rico Guanica Bay Watershed was produced. This was the first time local farmers and scientists provided their perspectives on how to work together in the benefit of the several natural resources and ecosystems in the entire watershed including the marine environment. This video will provide information on conservation practices that are approved to be implemented in the watershed. How is erosion and sedimentation impacting negatively the natural, coastal and marine resources. And how is could be improved with the collaboration of different sectors such as state and federal agencies, municipal administrations, stakeholders, farmers, private industry, academia, NGOs and local communities.

**Lessons Learned** Producing the video was a learning experience in terms of implementation of conservation practices. Some practices requires local construction permits which delay the process and eventually the timeline of the project. To visually demonstrate in a video the positive impact and effectively of the implemented practices will require more time. The final product is one easily understandable for general audiences. It will be a good tool for teachers in the classroom and for local communities to be engage in the conservation of the watershed.

Conservation Activities	Conservation practices in private land farms
Progress Measures	# farmers/private landowners in watershed applying BMPs
Value at Grant Completion	5
Conservation Activities	Stakeholders interviews
Progress Measures	Other (# of stakeholders will participate in the documental development)
Value at Grant Completion	15
Conservation Activities	Scouting days pre-production interviews
Progress Measures	Other (# of days of pre-production interviews in the watershed)
Value at Grant Completion	7
Conservation Activities	Final video
Progress Measures	Other (# of DVD's to be distributed)
Value at Grant Completion	300
Conservation Activities	Underwater scouting
Progress Measures	Other (# of days of underwater scouting and filming)
Value at Grant Completion	3
Conservation Activities	Farmers/ landowners with access to the documentary
Progress Measures	Other (% of farmers who will receive a digital copy of the video)
Value at Grant Completion	100%

Conservation Activities Progress Measures (curriculum)	Expected audience Other (% of schools in the watershed will use the video as part of their curriculum)
Value at Grant Completion	75%
Conservation Activities Progress Measures (communities)	Community engagement in conservation practices Other (% of communities willing to implement conservation practices in their communities)
Value at Grant Completion	15%
Conservation Outcome(s)	Improve conservation practices efforts through the watershed
Conservation Indicator Metric(s)	% activities from management plan being implemented
Baseline Metric Value	0
Metric Value at Grant Completion	5
Long-term Goal Metric Value	20
Year in which Long Term Metric Value is Anticipated	2018
Conservation Outcome(s)	Knowledge acquisition and implementation of new practices
Conservation Indicator Metric(s)	% of targeted stakeholders changing behavior
Baseline Metric Value	0
Metric Value at Grant Completion	5
Long-term Goal Metric Value	20
Year in which Long Term Metric Value is Anticipated	2018



## Final Programmatic Report Narrative

**Instructions:** Save this document on your computer and complete the narrative in the format provided. The final narrative should not exceed ten (10) pages; do not delete the text provided below. Once complete, upload this document into the on-line final programmatic report task as instructed.

### 1. Summary of Accomplishments

In four to five sentences, provide a brief summary of the project's key accomplishments and outcomes that were observed or measured.

**The Río Loco Watershed and Guánica Bay bilingual educational video was a project related to the multi-agencies collaboration to improve health of coral reefs of Guánica and the south-west coast of Puerto Rico. Federal and local agencies and farmers were interviewed to explain the efforts that have been done thru agricultural and nutrient management practices to prevent and minimize the impact of erosion and sedimentation to coral reefs. From the upper watershed to Guánica Bay all the agricultural practices that are already established and functional were filmed and included in the video production. The voice-over covered all the information obtained from all the interviews, research and written material related to the subject. During this site visits and interviews, you can tell that all the farmers were very grateful of all the help and assistance provided by the agencies. The outcome was a positive one and helpful among farmers and the agencies.**

### 2. Project Activities & Outcomes

#### Activities

- Describe the primary activities conducted during this grant and explain any discrepancies between the activities conducted from those that were proposed.

**-The primary activities were to film all the erosion and sedimentation agricultural and nutrient management practices already established. An example of this practices were the shaded coffee plantations and agroforestry with native trees in the upper watershed to restore trees and habitats, contour coffee fields to prevent landslides and erosion, buffer zones to prevent soil erosion, hydroseeding to restore vegetative cover, crop banks to minimize slope erosion, minimum tillage to prevent continuous movement, pesticides and fertilizers management to reduce environmental impact, diversion waterways to reduce runoff sedimentation, retention ponds that receive runoff and minimize flooding in prone areas and dairy farms have animal waste oxidation ponds which can be use as fertilizer.**

**-All projects and agricultural management practices were covered. The only complication found during filming was logistics. This was coordination of interviews, rain and timeframe.**

#### Outcomes

- Describe progress towards achieving the project outcomes as proposed. And briefly explain any discrepancies between your results compared to what was anticipated.

**-The project started on time, but once the research and sites visits started we found out that some projects were not finished or were in the process of getting permits. This created a time frame stand by until projects were done to be included in the final production of images.**

- Provide any further information (such as unexpected outcomes) important for understanding project activities and outcome results.

**-The agencies should provide better information about the projects and time frames before this kind of production starts. Very frustrating to reach and site and there is nothing to shoot.**

### 3. Lessons Learned

Describe the key lessons learned from this project, such as the least and most effective conservation practices or notable aspects of the project's methods, monitoring, or results. How could other conservation organizations adapt similar strategies to build upon some of these key lessons about what worked best and what did not?

**-During all the sites visits and interviews we could see the enthusiasm farmers and agencies share in common. The management practices were already established for the most part.**

### 4. Dissemination

Briefly identify any dissemination of project results and/or lessons learned to external audiences, such as the public or other conservation organizations. Specifically outline any management uptake and/or actions resulting from the project and describe the direct impacts of any capacity building activities.

**-This video project will available at the beginning of 2015 were 300 copies of DVD's will be send to NFWF for distribution.**

### 5. Project Documents

Include in your final programmatic report, via the Uploads section of this task, the following:

- 2-10 representative photos from the project. Photos need to have a minimum resolution of 300 dpi;
- Report publications, Power Point (or other) presentations, GIS data, brochures, videos, outreach tools, press releases, media coverage;
- Any project deliverables per the terms of your grant agreement.

**-A master copy of the video production has been sent to NFWF.**

***POSTING OF FINAL REPORT:*** *This report and attached project documents may be shared by the Foundation and any Funding Source for the Project via their respective websites. In the event that the Recipient intends to claim that its final report or project documents contains material that does not have to be posted on such websites because it is protected from disclosure by statutory or regulatory provisions, the Recipient shall clearly mark all such potentially protected materials as "PROTECTED" and provide an explanation and complete citation to the statutory or regulatory source for such protection.*