

**CRC Infrastructure Sub-Committee**  
**Project Identification Template and Instructions**  
**For**  
**MAWSS Wetland Construction For Removal of Pollutants in**  
**Watershed Tributaries**

**Project Identification Template**

**Instructions:** Please complete all of the information requested with the best information you have available. Limited attachments are acceptable if necessary to adequately describe the project but the **total length should be limited to 6 pages** one-sided (including attachments). This Identification Template is intended as a preliminary mechanism by which proposals and projects to improve the resiliency of Coastal Alabama are solicited and captured with some consistency of format, scope definition, and project benefits and impact. **This is only a first step: proposals and projects will not be funded based upon this submittal. Further information and details will be solicited at such time as the screening and funding process is more fully defined.**

Responses should be received by **December 7, 2010**, to be included in the appendix the Coastal Recovery Commission Report to the Governor to be submitted December 15, 2010. Submittals after that date will be accepted for consideration but will not be included in the Project Appendix.

Completed Templates may be submitted:

- Electronically (.pdf preferred) to: [crcalabama.templateresponse.com](http://crcalabama.templateresponse.com).
- By US mail to: Coastal Recovery Commission.

P.O. Box 881, Mobile, AL 36601-0881

**I. What – Project Information/Basic Facts**

1. Project Scope: It is proposed that wetlands be constructed within the Big Creek Lake watershed for the purpose of providing stormwater detention and treatment. The primary goal of the project is to provide a means of reducing total organic carbons in stormwater runoff through wetland filtration/uptake prior to its reaching the headwaters of the Lake. The secondary goal is to remove nutrient loadings in stormwater through the same

wetland filtration/uptake process. Through this project it is anticipated that the effectiveness of utilizing constructed wetlands to remove contaminants from stormwater/tributary flows will be demonstrated.

2. Project duration or schedule by phase and status of any work in progress 12 months

2.1. Conceptual and Feasibility Planning – complete

(Conceptual Analysis Partially Complete)

Engineering – 3 months

Construction – 9 months

3. Estimated Cost (plus or minus 30%) \$1,200,000

3.1. Indicate level of confidence in accuracy of these estimates Moderate

## **II. Why – Project Description relative to Impact and Criteria**

1. Identify what need, threat or opportunity that this project, study, or recommendation will address: By constructing this project, we will demonstrate the effectiveness of removing contaminants from stormwater/tributary flows by diverting flow through constructed wetlands. Ultimately, it is desired that, if demonstrated to be effective, similar type projects would be incorporated in future development plans for areas within watershed.

2. How does this project or recommendation address and impact the recommended evaluation criteria:

2.1.1. Coastal Recovery: The project is intended to demonstrate a method of removing contaminants from the tributaries of Big Creek Lake Reservoir. As a major source of the Coastal Communities water supply, it is imperative that methods be developed to protect this natural resource from the increasing contaminant loadings, which are introduced to the environment as a result of encroaching commercial and residential development within the reservoir's watershed.

2.1.2. Resiliency: By developing methods to protect water supply from contaminants, this vital resource of commerce/economic entities is preserved and its health is safeguarded.

- 2.1.3. Transformational: The project will serve as a demonstration of methods, which can be employed to allow development within watershed without compromising the environmental health of the region and its natural resources.
- 2.1.4. Regionalism: The project can serve as a model that can be utilized throughout the Gulf Coast Region that promotes low impact development and preserves our natural water resources.
- 2.1.5. Economic Diversification: This project leverages the value of clean water resources in the Gulf Coast and promotes smart growth methodologies.
- 3. Project Economics: Seeking funding source to construct 2-3 demonstration projects with a total cost of \$1,200,000.
- 4. Identify Direct Project benefits to Coastal Alabama, including avoided costs, consequence of “No Build” alternative. By protecting the region’s water supply, the project will aid in insuring sustainability and availability of this resource for commerce and public use.
  - 4.1. Impact on employment, job training and development, both short term and permanent Provides for a reliable/sustainable water supply, which is critical to economic development.
  - 4.2. Oil spill mitigation outside of claims process: Not applicable
- 5. Identify Indirect benefits and costs
  - 5.1. Collateral Benefits to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed) Promotes smart growth and development technology, which preserves our natural water resource throughout region.
  - 5.2. Collateral Costs or impacts to the objectives of Healthy Environment, Healthy Economy and Healthy Society ( subjective responses allowed) None anticipated
  - 5.3. Connectivity and Linkage to other projects or initiatives: Does this project complement or compete with other projects? What other projects would be precluded if this project is funded? Complements other smart growth regional development initiatives

### **III. Who/How – General Information**

1. Name and contact information for Entity, Collaboration or Person submitting project or recommendation nomination. **Mobile Area Water & Sewer System - Malcolm Steeves, Director**
  - 1.1. *Entities and communities sharing a common threat or need are encouraged to collaborate for a joint/combined project submittal to raise the profile of the issue and solution to be addressed. Also please indicate the level of community support or resistance and hurdles to collaboration.*
2. Identify Sponsoring Entity for oversight and accountability if different from above.
  - 2.1. Existing or to be created? Same as above
    - 2.1.1. If to be created, what parties or interests must be involved and what level of effort is required to do so? Not applicable
  - 2.2. Describe governance, organizational capacity, availability of skills, experience of sponsoring entity to implement the Project: MAWSS routinely provides for the governance over and implementation of such infrastructure projects.
  - 2.3. Project complexity: Hurdles and barriers to project implementation, completion and sustainability. Identify regulatory issues. Obtaining a funding source is the biggest barrier to initiating this project. There are no significant regulatory issues anticipated.
3. Identify any known or anticipated administrative, regulatory, or legislative action that would be required at either the local, state, or federal governmental level. None anticipated, other than typical permitting requirements for a construction project of this nature.
4. Requested funding from Coastal Recovery Fund (CRF) \$1,200,000
5. Identified potential funding sources other than the CRF FEMA Hazard Mitigation Grant (low probability)
  - 5.1. Leverage or multiplier on CRF investment: matching funds, public or private None
  - 5.2. Public Private Opportunities, user fees, Federal funds, private foundation grants, bonding capacity, etc. None identified.
6. Forecast of ongoing maintenance or operating costs and source of funding if not self sustaining Annual \$15,000