CRC Infrastructure Sub-Committee

Project Identification Template and Instructions

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 November 26, 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.**
- **By US mail to: Coastal Recovery Commission.**

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

I. What – Project Information/Basic Facts

1. Project Scope *Regional groundwater hydrogeologic characterization including Baldwin and Mobile Counties.*
2. Project duration or schedule by phase and status of any work in progress *18 months from project initiation.*
3. Conceptual and Feasibility Planning, Engineering, Construction *None*
4. Estimated Cost (plus or minus 30%) *$250,000.00*

4.1. Indicate level of confidence in accuracy of these estimates *very confident*

II. Why – Project Description relative to Impact and Criteria

1. Identify what need, threat or opportunity that this project, study, or recommendation will address *Aids in the development of sustainable groundwater development, management, and protection strategies and improved risk assessment related to groundwater resource depletion, salt water intrusion, and contaminant transport; surface water-groundwater interaction and contaminant input to coastal surface waters.*

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

   2.1.1. Coastal Recovery *Evaluates groundwater and surface-water resources and offers previously unavailable information on potential risks associated with groundwater and surface water contamination and depletion. A sustainable, protected groundwater supply is a key component for coastal quality of life, economic development and disaster recovery.*

   2.1.2. Resiliency ___*The complex data sets generated through the proposed study are essential for development of resilient, sustainable water supplies that significantly reduce probibilities of failure due to drought, increased water demand, and disaster and greatly reduce consequences and recovery time encountered in times of disaster.*

   2.1.3. Transformational ___*No single resource is more transformational than good quality, sustainable water supplies. The detailed scientific framework of the natural freshwater resources in Mobile and Baldwin Counties provided by this study is a key component for quality of life, economic development, and environmental quality.*

   2.1.4. Regionalism _ *One of the primary issues facing the Gulf Coast in the 21st Century is sustainable, fresh-water resources for public, industrial, and agricultural water supplies. Groundwater resources in Baldwin and Mobile Counties originate locally but must be managed regionally in order to be protected and sustainable. This study will provide data and recommendations to establish a management vision for sustainable future water supplies.*

2.1.5. Economic Diversification O*ne of the primary characteristics of groundwater sources is the nonintrusive nature of the resource. Sustainable groundwater provides support for diversified economic development while causing little impact to the land surface.*

3. Project Economics *Project funds will support researcher salaries and benefits, travel, laboratory analytical costs, and supplies.*

4. Identify Direct Project benefits to Coastal Alabama, including avoided costs, consequence of "No Build" alternative. *Implementation of project results and recommendations will insure high-quality water supplies without costly treatment, importation, or development of costly surface-water sources. Failure to understand the technical issues related to water resources in coastal Alabama will result in inadequate supplies leading to reduced quality of life and inability to promote economic development.*

4.1. Impact on employment, job training and development, both short term and permanent *Inadequate water supplies will lead to the inability to support population and economic growth leading to long-term loss of potential industry and jobs.*

4.2. Oil spill mitigation outside of claims process *N/A*

5. Identify Indirect benefits and costs

5.1. Collateral Benefits to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed) _*The benefits of this assessment will facilitate a basic understanding of coastal Alabama's irreplaceable natural resources. Prudent development and protection of abundant, high-quality water resources are the basic building blocks for a healthy environment, healthy economy, and a healthy society. Quality of life depends on basic resources including water.*

5.2. Collateral Costs or impacts to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed) *No increased costs are anticipated over normal prudent water resource development costs*

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? *The Geological Survey of Alabama Groundwater Assessment Program is currently working under a mandate from the Alabama Legislature's Permanent Joint Committee on Water Policy and Management to develop a state-wide groundwater assessment composed of hydrogeologic data to be used for the protection and development of Alabama's groundwater resources and to develop water policy initiatives. The proposed* ***Regional Groundwater Hydrogeologic Characterization For Coastal Alabama*** *will be complementary to work*

ongoing in other parts of the state.

III. Who/How – General Information

1. Name and contact information for Entity, Collaboration or Person submitting project or recommendation nomination. *Mr. Marlon R. Cook, Director, Groundwater Assessment Program, Geological Survey of Alabama, P.O. Box 869999 Tuscaloosa, AL 35486-6999, telephone 205-247-3692, email mcook@gsa.state.al.us*

   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? *N/A*

   2.2. Describe governance, organizational capacity, availability of skills, experience of sponsoring entity to implement the Project *The Geological Survey of Alabama is the lead agency responsible for water resources research in Alabama. The Groundwater Assessment Program has a staff of geoscientists dedicated to the understanding, development, and protection of Alabama's groundwater resources.*

   2.3. Project complexity: Hurdles and barriers to project implementation, completion and sustainability. Identify regulatory issues. A*lthough the proposed project is complex in scope, there are no anticipated barriers or regulatory issues.*

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*

4. Requested funding from Coastal Recovery Fund (CRF) $187,500.00

5. Identified potential funding sources other than the CRF _*Geological Survey of Alabama $62,500.00*

   5.1. Leverage or multiplier on CRF investment: matching funds, public or private Geological Survey of Alabama *25% match*

   5.2. Public Private Opportunities, user fees, Federal funds, private foundation grants, bonding capacity, etc. *None*

6. Forecast of ongoing maintenance or operating costs and source of funding if not self sustaining *None*