

CA - PMM

Project Name: CDFG Bio-Banking Database Project
OCIO Project #:
Department: CA Department of Fish and Game
Revision Date: 10/1/2010

Concept Statement

Description

Brief description of the proposed project:

Streamline statewide public access by utilizing a web interface that has already been designed (by a MOU partner agency) for the purpose of tracking/regulating mitigation banking practices nationwide.

Need Statement

High Level Functional Requirements:

Phase I Needs

- Ability to partner via IAA or MOU with USACE on RIBITS;
- Dedicated ITB contact to communicate with USACE contractors using IT jargon.

Phase II Needs

What is Driving This Need?

FGC 1850's requirement for the Department to develop a database and make the information available to the public is the primary driver for this request. □
The current urgency is driven by the availability of RIBITS and the willingness of USACE to allow the CDFG to utilize the RIBITS database for both mitigation and conservation banks without requesting a financial contribution, as well as the decision of USFWS to participate in RIBITS as their primary clearinghouse for conservation bank info and documents.

Risk to the Organization if This Work is Not Done:

The status quo is a very inefficient reactionary system that is perpetually behind. Inaction would continue this course, and cause CDFG to fall further behind in several areas. Not taking advantage of the opportunity provided by the USACE would also lead to the need for greater number of personnel hours funds, and infrastructure to create an individual database and public web interface in the future.

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Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):
1. A statewide publicly accessible clearing house for bio-bank data will be available to the public which will decrease the number of PRA requests that CDFG staff must respond to.
2. CDFG permitting staff will easily be able to search for and provide information to project proponents regarding which banks would adequately mitigate for their project proposal. As the RIBITS maps are interactive this would significantly decrease search time for CDFG staff.

Other Intangible Benefits:

Tangible Benefits

Revenue Generation (describe how revenue will be generated):
This solution would not generate revenue.

Cost Savings (describe how cost will be reduced):
Participation in RIBITS would lower the amount of data storage required on the part of CDFG.

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Cost Avoidance (describe the cost and how avoided):
 RIBITS was designed to allow primary data entry to be completed by the bank sponsor (i.e. project proponent). This will significantly decrease the staff time required for data entry and would reduce the need for temporary and scientific aid staff for that purpose.

Risk Avoidance (describe the risk and how avoided):
 Due to staffing constraints, CDFG is behind in compliance monitoring for mitigation banks. Under the current budget situation, CDFG is likely to fall further behind. The primary risks of the Conservation/ Mitigation Banking Program are missing or finding out too late of a compliance default due to the limited amount of time CDFG staff have to devote to conservation/ mitigation banking. Credit sales inaccuracies, as well as, delinquency in monitoring reports are two of the most common occurrences of this. The credit ledger in RIBITS is updated by each project proponent upon credit sale and is monitored by at least

Improved Services:
 The public and stakeholders will have a one-stop clearing house of conservation/ mitigation bank information. Stakeholders would have a streamlined process for distributing required information to all agencies involved rather than having to submit/ enter data onto websites designed by each participating agency. Cooperation between MOU partner agencies would be improved and CDFG staff would be freed to undertake other compliance monitoring duties further increasing transparency and improving the functioning of the program over all.

Consistency

"No" Responses 		Rationale	Action Required
Enterprise Architecture	Yes		
Business Plan	Yes		
Strategic Plan	Yes		

Impact to Other Agencies

Nature of Impact to Other Agencies

Agency: CDFG Region's 1-6
Describe the nature of the impact:
 Each CDFG Region is an active participant in bio-banking. Each is currently operating without a comprehensive functional and interactive database for tracking, monitoring, and bank/permit mitigation adequacy comparison. Any improvement upon the current system would have a significant positive impact.

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tracking, monitoring, and bank permit mitigation adequacy comparison. Any improvement upon the current system would have a significant positive impact.

Phase I (RIBITS Partnership)

- would provide a one-stop interface accessible to all CDFG permitting staff that may want to send mitigation to a bank;
- would allow CDFG permitting staff to cross reference service area using an interactive map;
- would house final agreements, management plans, and all other pertinent non-proprietary information electronically;
- keep a running credit ledger for all bio-banks statewide; and
- provide a “first line of defense” from basic PRA requests for demographic information.

Phase II (project tracking)

- would allow CDFG staff to properly track the progression of a bank project from conceptual discussion through completion;
- would allow CDFG staff to properly track the myriad papers and editions each bank project goes through prior to completion;
- would allow for quicker response to demographic info and timeline requests from stakeholders, management, the legislature, and the governor’s office regarding pending and conceptual projects;
- improve intra-and inter-agency communication;
- would increase compliance due to information being quickly at hand for regional staff, and decrease the incidents of default; and
- in cases of default would allow for swift remedial action, or enforcement.

Phase III (permit tracking)

- would link the bank to its purpose; and
- allow the possibility of enforcement of permits; and
- improve policy once CDFG knows the outcome of permit action(s);

Agency: Federal MOU partners (USACE, USFWS, USEPA, NMFS)
Describe the nature of the impact:
Phase I

- would add to the work already accomplished by USACE contractors and the USFWS;
- provide a one-stop shop for bio-bank information within the State of California;

Agency:
Describe the nature of the impact:

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Solution Alternatives

Alternative 1:

ITB individually develops a stand alone database for mitigation and conservation banking that will be free and accessible to the public.

Technical Considerations for Alternative 1:

This database/ public interface would have BIOS mapping capabilities, document library storage, a credit ledger system, as well as allow for project proponents and government agencies to input data. This web interface would allow information to be uploaded to RIBITS and downloaded from it, as well as allowing all conservation/ mitigation banking MOU partners to add and track bio-banking transactions. CDFG would have the sole responsibility of database management and quality control. CDFG would be the sole contact for public requests regarding the web interface and all of its parts, as well as absorb all costs associated with its development and maintenance.

ROM Cost: 25000 to 50000

Note: high end of range must not exceed 200% of low end of range

Alternative 2:

ITB adds mitigation and conservation banking to the current project tracking database. CDFG staff creates and submits reports to the USACE upon finalization of a bank project or for any changes to a bank project.

Technical Considerations for Alternative 2:

Project tracking by ITB account is not the preferred method of continuing to do the business of tracking environment permit and mitigation data, as the technology on which it is based is no longer being technically supported by Microsoft. A new and updated system may then have to be created to enable the addition of bio-banking.

ROM Cost: 0 to 0

Note: high end of range must not exceed 200% of low end of range

Alternative 3:

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Maintain the status quo.

Technical Considerations for Alternative 3:

CDFG would miss an opportunity to utilize an already created web interface that would satisfy most of its needs for publicly accessible information and would improve consistency between partnering agencies. CDFG would remain behind in tracking and compliance monitoring and be partially out of compliance with FGC 1850.

ROM Cost: 0 to 0

Note: high end of range must not exceed 200% of low end of range

Recommendation

Comparison:

Alternative 1	ROM Cost		Risk
ITB individually develops a stand alone	25000	- 50000	
Alternative 2	ROM Cost		Risk
ITB adds mitigation and conservation	0	- 0	
Alternative 3	ROM Cost		Risk
	0	- 0	

Conclusions:

1	
2	
3	
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Recommendation:

The recommended solution is Option 1.

Project Approach *(if known)*

System Complexity:		System Business Hours: <i>(e.g., 24x7, 9am-5pm)</i> :	
Architecture	<input type="checkbox"/> Mainframe <input type="checkbox"/> Client Server <input checked="" type="checkbox"/> Web Based	Num. of New Databases: _____	
Technology	<input type="checkbox"/> New <input type="checkbox"/> New to Staff <input checked="" type="checkbox"/> In-House Experience	Interfaces: _____	
Implementation	<input type="checkbox"/> Central Site <input type="checkbox"/> Phased Roll-out	Num. of Sites: _____	
M & O Support	<input type="checkbox"/> Contractor <input type="checkbox"/> Data Center <input type="checkbox"/> Project <input checked="" type="checkbox"/> In House		
Procurement Approach:			Number of Procurements: _____
Open Procurement?	No	Delegated Procurement?	No
Scope of Contract	<input type="checkbox"/> Development <input type="checkbox"/> Implementation <input type="checkbox"/> M & O <input type="checkbox"/> Other: _____		
Anticipated Length of Contract:		Years /	extensions for _____ years