

SPONSOR

Department of Fish and Wildlife

RECORD TYPE

Project

PROGRAM OVERSEEING EFFORT

N/A

REFERENCE NUMBER

ERP-04D-S18

CONTRACT NUMBER

E0783013

STATUS

Completed (100%)

TARGET DATES

Start 6/15/2008

End 6/30/2013

FUNDING

Total Proposed Funding

\$4,182,277

Total Actual Funding

\$2,385,958

Fund Sources

Proposition 84 - 6051

Budget Reference

001-099 - State Operations

Delta View ID: DFW_194

**BREACH III: Evaluating and Predicting
'Restoration Thresholds' in Evolving Freshwater-
Tidal Marshes**

The purpose of this project is to provide a predictive level of understanding about (1) how abiotic and biotic factors in a restoring (levee breach) wetland, Liberty Island, control vegetation colonization and expansion and subsequent responses by native fish and wildlife, and (2) how restoration processes influence local flooding and levee erosion over the course of the restoration. A quantitative approach to predicting ecological responses to change in habitat structure will be developed. Models will also be used for interpreting alternative restoration and flood conveyance scenarios.

CONTACTS

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ALIGNMENT WITH THE DELTA PLAN

GOAL

Protect, Restore, and Enhance the Delta Ecosystem

CORE STRATEGY

ER CS 2

Delta Ecosystem

Ch 4 - ER policies and recommendations: Restore habitat

PERFORMANCE MEASURE(S)

ER P4-01

Expand Floodplains and Riparian Habitats in Levee Projects

100 percent of proposed actions to construct new levees or substantially rehabilitate or reconstruct existing levees in the opportunity areas defined in Appendix 8 (see Appendix B of the Delta Plan) demonstrate that they have evaluated alternatives (including use of setback levees), and where feasible, have incorporated such alternatives into levee projects to increase the extent of floodplain and riparian habitat.

ER R4-01

Exempt Delta Levees from the Army Corps of Engineers' Vegetation Policy

The U.S. Army Corps of Engineers develops an agreed-upon variance process to exempt Delta levees from the U.S. Army Corps of Engineers' levee vegetation policy where appropriate.

CORE STRATEGY

RR CS 6

Reduce Risk in the Delta

Ch 7 - RR policies and recommendations: Integrate Delta levees and ecosystem function

PERFORMANCE MEASURE(S)

NA



COORDINATING BODIES

N/A

HYDROLOGIC REGION(S)

Delta

TYPE

Research/Study

TOPICS

Ecosystem Water and Sediment Quality, Shallow Water and Marsh Habitat, Lowland Floodplains and Bypasses, Levees, Tidal Wetlands