

DESCRIPTION OF PROPOSED REGIONAL PREPAREDNESS PROJECTS

Name of Project	Description of Final Product and Project Funding	Potential Cooperating Agencies
Feasibility of a Regional Assessment District Regional Project #1	Study the feasibility of a regional assessment district and shifting the reliance of subvention funds to benefactors of levees in addition to landowners who are now being assessed for levee maintenance Funding Request: \$250,000	Delta Counties, landowners, reclamation districts, cities, DWR, CalTrans, Utilities, water exporters
Delta Multi-Agency Coordination System (MACS) – Regional Project #2	Procedures and supplies for implementing a regional multi-agency coordination system that would create a unified Delta area of operations. Train staff, establish resource tracking system, form unified commands, and obtain equipment Funding Request: \$400,000	Delta counties, cities, reclamation districts, CalEMA, DWR, Corps of Engineers
Regional Maintenance, Training, and Public Education Program – Regional Project #3	Develop a maintenance program for regional systems, a training program for Delta officials to meet FEMA requirements, and a regional public education program Funding Request: \$275,000	Delta counties, cities, reclamation districts, CalEMA, DWR, Corps of Engineers
Flood Contingency Maps and Geographical Information Systems (GIS) data system – Regional Project #4	Flood contingency maps with preliminary engineering designs for emergency actions identified on maps such as relief cuts and emergency berms. Advanced mapping system for display and real-time update of maps to be maintained by DPC on behalf of response agencies. Information on critical infrastructure for impact mitigation. Mapping performed in accordance with FEMA <u>Guide to Flood Contingency Mapping, 2nd Edition</u> . See www.sjmap.org/oesmg for examples. Funding Request: \$1,300,000	Delta reclamation districts, engineering firms, DWR, Corps of Engineers, University of California, Berkeley, U.S.G.S.
Town and Urban Areas Evacuation Maps – Regional Project #5	Series of evacuation maps for towns and urbanized areas of the Delta showing detailed evacuation procedures for responders. Related maps for use by residents. Coordinated with CalEMA Regional Evacuation System. See www.sjmap.org/oesmg for examples. Funding Request: \$300,000	Delta counties, cities, and CalEMA
Centralized Levee Patrol Reporting System – Regional Project #6	Develop a web-based or other easily accessible system that reclamation districts can use to post real-time reports on levee conditions to reduce rumors and improve response to identified problems. Levee patrols would use smart phones and other devices to enter reports in system. Funding Request: \$200,000	Delta reclamation districts with input from counties, cities, DWR, and CalEMA

DESCRIPTION OF PROPOSED REGIONAL PREPAREDNESS PROJECTS
(Continued)

Name of Project	Description of Final Product	Funding Request
Flood Fight Research – Alternate Levee Breach Repair Protocol – Regional Project #7	Design and test protocol for sealing breaches or underpasses with sheet pile or alternate devices to address the shortage of dredges in the event of multiple breaches or the need to rapidly fill highway underpasses Funding Request: \$500,000	Delta reclamation districts, engineering firms, DWR, Corps of Engineers
Flood Fight Resources Stockpiles and Depots System – Regional Project #8	Develop flood fight resources stockpile and depot system to which all Levee Maintaining Agencies (LMA) have equal access. Coordinate with DWR stockpile programs to avoid overlap and duplication. Conduct an assessment of general needs for responding to levee problems as well as resources needed to implement emergency actions to contain floods identified in the flood contingency mapping process. Use results as a basis for system design. Funding Request: \$125,000 for Phase I – System Design and \$750,000 for Phase II – Acquire resources	Delta reclamation districts, DWR, and Corps of Engineers
Flood Fight Resource Waterway and Roadway Traffic Control System – Regional Project #9	Establish a traffic control system for the Delta similar to Coast Guard systems in the SF Bay that could monitor, route, and plan movement of critical supplies on roadways, waterways, and utilities in a disaster and also assist with movement of perishable commodities out of isolated agricultural areas. Ensure that the limited Delta transport system is used as effectively as possible, particularly if seriously impaired for long periods by extensive flooding. Funding Request: \$350,000	Delta counties, cities, DWR, CalEMA, U.S. Coast Guard, California Highway Patrol

Total funding request for Delta Protection Commission regional projects is \$4,450,000 to implement the specific projects identified through a cooperative process with Delta jurisdictions. DPC projects would be coordinated with other State and local preparedness projects to prevent duplication and ensure that the recommendations of the Sacramento-San Joaquin Delta Multi-Hazard Coordination Task Force are implemented in an integrated and efficient manner.

Letters of Support of DPC Regional Flood Response Grant Application
(copies available upon request)

*Contra Costa County Board of Supervisors
San Joaquin County Office of Emergency Services
California Central Valley Flood Control Association
Bethel Island Municipal Improvement District
East Bay Municipal Utility District
Center for Catastrophic Risk Management, UC Berkeley
Amistad Ranches
Linda Weekes, City of Knightsen
Restore the Delta*

*Central Delta Water Agency
Reclamation District 1 (Union Island)
Reclamation District 2
Reclamation District 3
Reclamation District 17
Reclamation District 38
Reclamation District 307
Reclamation District 341 (Sherman Island District)
Reclamation District 348 (New Hope Tract)
Reclamation District 403
Reclamation District 404 (Boggs Tract)
Reclamation District 501
Reclamation District 548 (Terminous Tract)
Reclamation District (Courtland)
Reclamation District 554
Reclamation District 563 (Tyler Island)
Reclamation District 800 (Byron Tract)
Reclamation District 544
Reclamation District 1601
Reclamation District 1614
Reclamation District 2030
Reclamation District 2037 (Rindge Tract)
Reclamation District 2040
Reclamation District 2042
Reclamation District 2058 (Pescadero)
Reclamation District 2065 (Veale Tract)
Reclamation District 2074 (Brookside)
Reclamation District 2089 (Stark)
Reclamation District 2090 (Quimby Island)
Reclamation District 2110
Reclamation District 2113 (Fay Island)
Reclamation District 2119
Reclamation District 2122 (Winter Island)
Reclamation District 2126*

**RESOLUTION
DPC-001**

**A RESOLUTION OF THE DELTA PROTECTION COMMISSION
AUTHORIZING A GRANT APPLICATION FOR SACRAMENTO-
SAN JOAQUIN DELTA REGIONAL FLOOD RESPONSE PROJECT**

WHEREAS, the Delta Protection Commission proposes to implement the Sacramento-San Joaquin Delta Regional Flood Response Project; and

WHEREAS, the Delta Protection Commission intends to apply for grant funding from the California Department of Water Resources for the project costs;

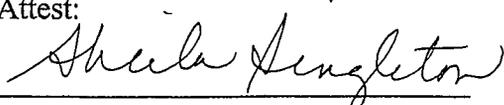
NOW, THEREFORE BE IT RESOLVED, by the Governing Body of the Delta Protection Commission as follows:

1. That pursuant and subject to all of the terms and provisions of the California Proposition 84 " Water Quality, Safety and Supply, Flood Control, Natural Resource Protection, Park Improvements" Bond Law, and SB XX 1, application by this Agency be made to the California Department of Water Resources to obtain a grant for the Sacramento-San Joaquin Delta Regional Flood Response Project.
2. The Delta Protection Commission Executive Director is hereby authorized and directed to prepare the necessary data, make investigations, sign, and file such application with the California Department of Water Resources, and take such other actions as necessary or appropriate to obtain the grant funding.

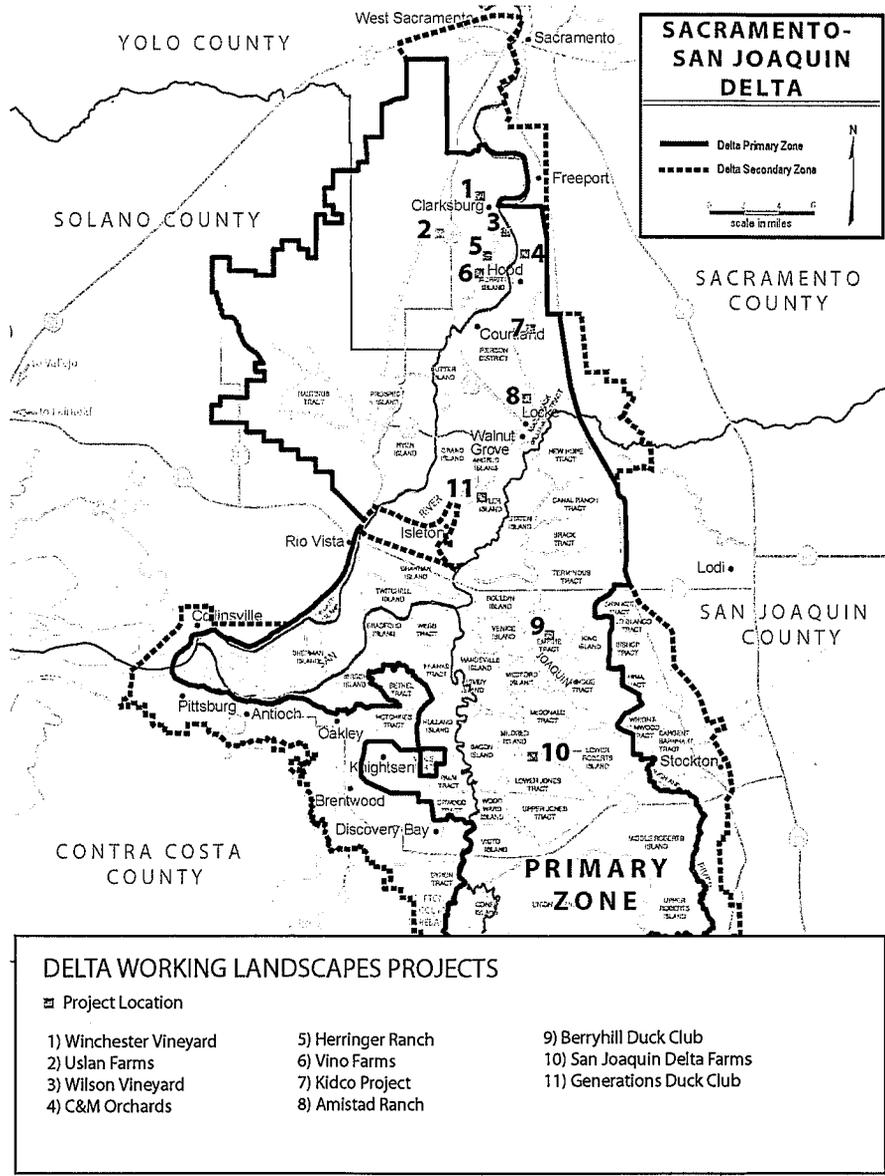
PASSED AND ADOPTED by the Governing Body of the Delta Protection Commission on the 26th day of May 2011 by the following vote:

AYES:12
NOES:0
ABSTAIN:0
ABSENT:3


Chair, Delta Protection Commission

Attest:

Secretary

Delta Working Landscapes



Delta Protection Commission
 August 1, 2012

Contents

Delta Working Landscapes Purpose	3
Current Projects	3
Project Table	4
Project Results	6
Project Proposal to Expand Working Landscapes	7
Attachment	8

Delta Working Landscapes Purpose

The purpose for the Delta Protection Commission's Working Landscapes projects is to establish habitat and improve the environment in the Delta. This is done with programs coordinated with local farmers, to achieve a common understanding of social, economic and environmental benefits of restoring habitat. Currently, attention and effort are focused on restoring the natural habitats of the Sacramento-San Joaquin Delta to support aquatic and terrestrial wildlife. Some Working Landscapes projects require lands be taken out of agricultural production and some work with landowners to be incorporated into farming practices. Working Landscapes demonstrate how farmland throughout the Delta can be utilized both as valuable wildlife habitat and production agriculture. This is accomplished by combining environmental stewardship with current agricultural practices. Essential to success of these programs are identifying and overcoming hurdles which discourage environmental friendly agricultural practices and identifying incentives that encourage environmental friendly agricultural practices.

The agricultural and wildlife resources of the Delta face threats from a variety of land use and management problems. Subsidence of peat soils through oxidation and wind erosion, soil salinity, erosion of perimeter levees, invasive species, urban encroachment, and crop changes are some of the problems which threaten the integrity of the Delta's agricultural productivity and wildlife resources. Working Landscapes are a tool to integrate wildlife conservation with production agriculture on the same land to achieve multiple objectives.

Delta Working Landscapes projects include planting vegetative buffers along irrigation canals to provide waterfowl nesting habitat, hedgerow planting of grass in drain ditches to improve water quality by scrubbing runoff of pesticide residues and sediments, and farming practices such as flooding harvested fields provide migrating waterfowl a source of food and habitat. Other farm cultural practices proposed for wildlife friendly agriculture include conversion from growing corn to growing rice. Cultivating rice can improve water quality, retard subsidence and rebuild peat soils as well as support a variety of wildlife from waterfowl, to rodents and raptors.

Current Projects

In September 2008, the Delta Protection Commission was awarded an \$800,000 grant from the Department of Fish and Game to implement Working Landscape projects throughout the Primary Zone of the Delta. Subcontractors, Hart Restoration and Ducks Unlimited, were contracted to implement the project. A series of public meetings were held to establish partnerships with local landowners interested in these projects. Eleven sites were identified for projects to demonstrate wildlife friendly farming practices and restorations. These landscapes included irrigation ditches slough levees, subsided crop land, and non productive farm land. Project descriptions are on page 4.

No easements, MOUs, fee purchases or eminent domain were used. Partners were established through landowners' interest in improving the environmental value of their existing landscape.