

THIS  
ISSUE

## In the News

[P. 1](#)Delta Islands & Levees  
Feasibility Study[P. 2](#)CALFED Levee  
Stability Program[P. 3](#)Lower San Joaquin  
Feasibility Study[P. 4](#)Sacramento River Deep  
Water Ship Channel  
Project[P. 5](#)Central Valley  
Integrated Flood  
Management Study[P. 6](#)SF Bay to Stockton  
Navigation Improvement  
Project and Delta Long  
Term Management Strat-  
egy (Delta-LTMS)[P. 7](#)

## Delta Events

[P. 8](#)A look at Corps activities and other  
news affecting the Sacramento-San  
Joaquin River Delta

## In the News

California's Delta – Saving A Diminishing  
Water Supply

By Peggy Freeman

The Los Angeles Times –March 4, 2012

The California Delta is over 1,000 miles of waterways that flow from the Sierra Nevada Mountains and merge into the Sacramento and San Joaquin River systems and through San Francisco Bay into the Pacific Ocean. Channels that run their course of winding waterways interlock between rich vegetation, muddy sloughs and the mainland. The delta is rich in history and an ecological sanctuary surrounded by unparalleled beauty.

The California delta is important to the state because nearly two-thirds of California's population and millions of acres in farmland receives water from the delta. Due to lack of rain, Southern California is largely dependent on the water that is imported from the region by the State of California. The water is then distributed by the world's largest water broker, the Metropolitan Water District (MWD).

<http://www.thelosangelespost.org/california%E2%80%99s-diminishing-water-supply/>

## Delta water tunnel analysis released

By Matt Weiser

The Sacramento Bee- February 29, 2012

A controversial project to alter water diversions from the Sacramento-San Joaquin Delta could prove initially harmful to some fish species, but state officials say those species and others will benefit in the long run.

The Bay Delta Conservation Plan calls for building two giant tunnels, 37 miles long, to divert a portion of the Sacramento River's flow out of the estuary and directly to existing state and federal water pumps near Tracy. Those pumps send drinking water to 25 million Californians and more than 1 million acres of farmland.

The state Natural Resources Agency, which is leading the project, on Wednesday released more than 5,000 pages of new analysis. The documents will inform an environmental impact study expected to be released in July.

The documents reveal that two native species, longfin smelt and endangered winter-run Chinook salmon, could initially see population declines as a result of water diversions into the new tunnels, which would occur at five locations between Clarksburg and Courtland.

<http://www.sacbee.com/2012/02/29/4301413/delta-water-tunnel-analysis-released.html#storylink=cpy>

Army Corps Budget Hearing Held, Bay  
Delta Request is \$51.5 Million

By Kristin Goree

ACWA– March 9, 2012

The House Energy and Water appropriations subcommittee on March 7 held a hearing to examine President Obama's FY 2013 budget request for the Army Corps.

Testifying for the Corps was Assistant Secretary of the Army Jo-Ellen Darcy. The President's request includes \$4.731 billion in discretionary appropriations which represents a reduction of \$271 million, or about 5 percent, from the 2012 enacted level.

Within the \$4.731 billion recommended appropriations, \$1.47 billion is for projects in the Construction account, and \$2.398 billion is for activities funded in the Operation and Maintenance (O&M) account. Of the \$51.5 million requested for Bay Delta restoration activities, \$100,000 is for Yuba Fish Passage, \$100,000 for CALFED Coordination, \$200,000 for San Pedro Watershed, \$1,020,000 for Sac-San Joaquin Delta Island and Levee Study, \$300,000 for Sac-San Joaquin Comp Study, \$7,500,000 for Hamilton City, \$8,000,000 for American River Common Features, \$3,000,000 for Sac River Bank Protection, \$3,000,000 for Success Dam Remediation, and \$28,300,000 for Operations and Maintenance activities.

<http://www.acwa.com/news/federal-budget/army-corps-budget-hearing-held-bay-delta-request-515-million>

Local Delta contingent united at state wa-  
ter hearing

By Alex Breitter

The Stockton Record –March 14, 2012

A new Stockton-centric coalition on Delta water issues flexed its young muscles Tuesday at a legislative committee hearing in Sacramento, with Mayor Ann Johnston telling lawmakers that local concerns have been "ignored, dismissed and discounted."

Johnston, Stockton Vice Mayor Kathy Miller and San Joaquin County Supervisor Larry Ruhstaller all attended the hearing, along with Ron Addington of The Business Council of San Joaquin County, John Beckman of the Building Industry Association of the Delta and others.

<http://www.bizjournals.com/sacramento/news/2012/02/06/report-delta-levees-economy-farming.html>



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## Delta Islands & Levees Feasibility Study

### Sacramento District, USACE (SPK)

#### Current Work

The Corps team members are meeting regularly with study partners from the California Department of Water Resources (DWR). Draft problem and opportunity statements focus the team on the authorized study purposes of **Ecosystem Restoration, Flood Risk Management**, and other related water resources purposes. Meetings were held to capture goals, constraints, and objectives that will lay the groundwork to identify data and information gaps. In October through December 2010, the team developed “assumptions” that need to be made in order to refine the scope, schedule, and budget of the study. These assumptions included topics such as: report format, study boundary, future without project scenarios (future scenarios without the Delta Study in place), number of iterations (study refinements), etc.

The second multi-agency meeting with other Federal, State, and local agencies was held in January, 2011; the meeting focused on the Delta Study’s sustainability concepts, Project Management Plan “assumptions”, and next steps. These and other planning components will guide ongoing revisions to the existing Project Management Plan (PMP), signed in 2006 with DWR, the non-Federal project sponsor.

In order to better scope the technical investigations necessary to complete the study, the PDT has been brainstorming conceptual “measures” which could be combined to create preliminary conceptual alternatives to be evaluated in the study. This information was presented at the third multi-agency meeting, held in July 2011, in order to get feedback on preliminary conceptual measures and other work completed to date. **The team is currently working to identify preliminary conceptual alternatives and refining scopes for the 2006 PMP revision.**

#### Project Purpose

The Delta Islands and Levees Feasibility Study (Delta Study) is the Corps’ mechanism to participate in a cost-shared solution to address ecosystem restoration needs, flood risk management problems, and related water resources in the Delta and Suisun Marsh area. A Feasibility Cost Share Agreement (FCSA) was executed on May 26, 2006 with the DWR, the non-Federal sponsor. The Corps-DWR study team meets regularly to move the study forward and holds periodic Agency Coordination Meetings with associated Federal, State, and local agencies. The study will culminate in a feasibility report that will make recommendations on construction projects and/or additional studies for authorization by Congress.

#### Funding

- The total cost of the feasibility study is currently \$12,000,000; cost shared 50/50 with the DWR
- FY 08 appropriations at \$859,000
- FY 09 appropriations at \$478,000
  - Reprogrammed additional \$150,000
- FY 10 appropriations at \$394,000
- FY 11 appropriations at \$239,000
- FY 12 appropriations at \$971,000

#### Milestones

- ✓ Delta Site Visit—March 2009
- ✓ Funds Reprogrammed—June/July 2009
- ✓ Problems & Opportunities PDT Session—September 2009
- ✓ Second meeting with other Federal, State, and Local agencies—January 12, 2011
- ✓ Third meeting with other Federal, State, and Local agencies—July 13, 2011
- Public Workshops—2012

# CALFED Levee Stability Program

## Sacramento District, USACE (SPK)

### Current Work

The Corps team is moving forward with the **McCor-mack-Williamson Tract** project and meeting with The Nature Conservancy/RD 2110 in order to finalize and sign the FCSA for the project. The FCSA package has been sent to the U.S. Army Corps of Engineers Headquarters office for review and approval.

The Corps team has completed draft Project Management Plans (PMPs) for three additional LSP projects, including **Bacon Island, Walnut Grove, and River Junction**. Final review and certification of PMPs and negotiation of Feasibility Cost Share Agreements (FCSAs) with non-Federal sponsors is ongoing. A Program Management Plan (PgMP) has been developed to capture program processes and procedures. The PgMP also includes templates for PMPs and FCSAs developed for projects in the LSP.

### Bethel Island Project

On July 13<sup>th</sup>, the FCSA for Bethel Island – Horseshoe Bend was signed by the Bethel Island Municipal Improvement District (BIMID) and the Corps. The PDT met on November 1st and tentatively selected a cost effective plan for recommendation. Engineering designs and cost estimates are underway. Documentation for an In-Progress Review in May is currently undergoing District Quality Control.

### Emergency Response Planning

A Memorandum of Agreement (MOA) was signed between USACE and DWR, allowing the Corps-DWR to initiate Phase 1 of GIS Flood Contingency Mapping and Emergency Response Planning for the Delta region. A Final Phase 1 (95% complete) meeting was held on September 26th at the USACE Sacramento District offices to discuss deliverables and next steps. The final products for Phase 1 have been completed and delivered to participating counties. The final Phase 1 product includes:

- Standardized GIS database of Emergency Management data,
- Flood Contingency Map Books and large scale wall maps of the Delta region, and
- An accompanying report documenting the existing framework, existing data, and any potential data gaps.

For more information and final product visit:

[www.deltafloodemergencyplan.org](http://www.deltafloodemergencyplan.org)

### Project Purpose

The CALFED Act (PL 108-361) directed the U.S. Army Corps of Engineers (USACE) to deliver a report that identified and prioritized potential levee stability projects in the Delta that could be carried out with the authorized \$90 million in Federal funds. An additional \$106 million was authorized to be appropriated by Section 3015 of WRDA 2007. To quickly identify critically needed projects with active non-Federal support, the USACE invited Delta stakeholders to submit project proposals with letters stating their willingness to participate as cost-sharing sponsors. In response, Delta area Reclamation Districts and flood management agencies submitted 68 project proposals totaling more than \$1 billion in estimated costs. USACE evaluated proposals and prioritized potential projects according to how well they met USACE environmental, economic, and other implementation criteria. The USACE short-term strategy is to move quickly to construction on high priority levee reconstruction projects identified in that report. The authorized \$196 million of Federal funds, plus the required non-Federal funds, would be an important first step to address Delta-wide levee system needs. The long-term strategy will be developed through the Delta Islands and Levees Feasibility Study process. The project delivery process includes: PMP/FCSA development; Project Implementation Report (PIR); SPD approval; Project Partnership Agreement (PPA) execution; design & construct; and operate & maintain.

### Funding

Authorized appropriations of \$90M; additional WRDA 07 add of \$106M for a total of \$196M authorized to be appropriated.

- FY 08: Received \$4,920,000
- FY 09: Received \$4,784,000
- FY 10: Received \$4,814,000
- FY 11: Received \$598,700
- FY 12: Received \$0



## Lower San Joaquin Feasibility Study

Sacramento District, USACE (SPK)

### Current Work

- Hydraulic Modeling:
  - State of California Central Valley Floodplain Evaluation and Delineation (CVFED) model schedule for use within the LSJRFS:
    - Revised schedule date for release of HEC-RAS calibrated models is now January 2012
    - Pending LIDAR post processing final FLO-2D models will be released by March 2012
- Preliminary Screening:
  - The project delivery team is conducting a preliminary screening of the Lower San Joaquin River study area to initiate prioritization of flood damage areas. The preliminary screening is scheduled for completion by May 24, 2012.

### Project Purpose

The purpose of this feasibility study is to determine if there is a Federal interest in providing flood risk management and ecosystem restoration improvements along the Lower (northern) San Joaquin River. The Lower San Joaquin River study area includes the San Joaquin River from the Mariposa Bypass downstream to, and including, the city of Stockton. The study area also includes the channels of the San Joaquin River in the southernmost reaches of the Delta: Paradise Cut and Old River as far north as Tracy Boulevard and Middle River as far north as Victoria Canal. The floodplains of the lower San Joaquin River and its tributaries are also included in the study area.



### Funding

Prior to FY 2008	\$125,000
FY 2008	\$129,000
FY 2009	\$454,000
FY 2010	\$897,000
FY 2011	\$519,000

### Milestones

FY 14: Feasibility Scoping Meeting

# Sacramento River Deep Water Ship Channel Project

San Francisco District, USACE (SPN)

## Current Work

Current Work: The Draft Supplemental Environmental Impact Statement/Report (dSEIS/R) was published February 2011. A Revised dSEIS/R is scheduled to be published July 2012. The project website is [www.sacramentoshipchannel.org](http://www.sacramentoshipchannel.org).

## Funding

FY10: Federal \$2,000,000, Non-Federal \$746,666

FY11: Federal \$2,794,196, Non-Federal \$633,335

FY12: Federal \$2,800,000, Non-Federal \$171,349

## Milestones

- Publish Revised dSEIS/R - July 2012
- Revised dSEIS/R comment period - July/September 2012
- Publish Final SEIS/R - March 2013
- Sign Record of Decision (ROD) - April 2013

## Project Purpose

The Sacramento River Deep Water Ship Channel Project (SRDWSC) is a congressionally authorized project being implemented by USACE and the Port of West Sacramento. USACE and the Port are conducting a Limited Reevaluation Study and corresponding SEIS/SEIR to resume deepening the channel from -30' to -35' (with selective widening) to realize significant transportation cost savings. Approximately 50% of the dredged material is targeted for beneficial reuse, providing a significant additional benefit to the CA Delta.



# Central Valley Integrated Flood Management Study

## Sacramento District, USACE (SPK)

### Current Work

The CVIFMS team is currently coordinating with the CVFPP team in approving the CVIFMS Project Management Plan (PMP) and associated Feasibility Cost Sharing Agreement (FSCA) amendment that will lay out an adaptable and "living" strategy for the development of the CVIFMS and related products in close coordination with the evolving CVFPP process and efforts.

The CVIFMS team has begun work on the Programmatic Implementation Framework Document, also known as the Companion Document, which is anticipated to be completed in 2012. The team is also reviewing the public draft 2012 CVFPP.

### Background

The CVIFMS will be developed within an integrated water resource management context and will complement the CVFPP system-level planning strategy, with an emphasis on moving toward a Federal/State flood risk management (FRM) implementation process including possible immediate feasibility study implementation recommendations. The study will include two major efforts:

**Programmatic Implementation Framework Document.** This document will be developed in a format and context that clearly and directly corresponds to the 2012 CVFPP Report. The document's primary purpose will be to provide a status update and a strategy that defines how the CVIFMS will be coordinating with the CVFPP in moving toward a Federal/State flood risk management (FRM) implementation process for the CVFPP, including possible immediate feasibility study implementation recommendations. The targeted audience is Congress and the California State Legislature.

**Programmatic Feasibility Study.** This document will be a programmatic level study prepared within an integrated water resource management context. The study will incorporate CVFPP shared data and the content will be coordinated with the 2017 CVFPP Report. The study will provide an FRM evaluation of the Central Valley at a system level with a recommended process for Federal/State implementation and cost sharing. The strategy is for the focus of the study to be at the feasibility level, so that alternatives, inclusive of the CVFPP Preferred State Plan, can be evaluated and Federal recommendations can be implemented. It is anticipated that a joint National Environmental Policy Act/California Environmental Quality Act document will be developed in support of the study alternatives and recommendations.

### Project Purpose

In response to legislation signed by the Governor on 10 October 2007, the State of California, through the California Department of Water Resources (DWR) and Central Valley Flood Protection Board (Board), initiated development of the Central Valley Flood Protection Plan (CVFPP). This effort will culminate in a comprehensive analysis of flood management and related conditions in the Central Valley watershed as a system. The State is required to complete the first report of the CVFPP by 2012. This document is to be updated every 5 years thereafter. The State has requested Federal participation in preparing the CVFPP. This participation will be through the Central Valley Integrated Flood Management Study (CVIFMS). The CVIFMS is a continuation of the Sacramento and San Joaquin River Basins, California Comprehensive Study (Comp Study), which was authorized by Congress by section 209 of the Flood Control Act of 1962 (P.L. 87-874).



### Milestones

- √ Draft PMP and FSCA amendment, spring 2011
- Final PMP and FSCA amendment, early 2012
- Programmatic Implementation Framework Document, 2012
- Programmatic Feasibility Study, 2017

## SF Bay to Stockton Navigation Improvement Project

San Francisco District, USACE (SPN)

### Current Work

Work continues for studying existing conditions for the SEIS/R. The beneficial use survey has identified preliminary levee rehabilitation, habitat enhancement and stockpile sites for the placement of dredged material and a Sampling and Analysis Plan for the excavation. The utilities survey has been completed and the follow on Title search will be undertaken. Preliminary estimates of economic benefits have been prepared and will be updated with current information this year. Hydrologic models of the planned project are underway as well. USACE will continue to work with participating Delta LTMS agencies to approve a sediment sampling and analysis plan as well as other project considerations.

### Funding

FY 08: Received \$403,000 Federal  
 FY 09: Received \$1,340,000 Federal  
 FY 10: \$1,093,000 in FY09 carry over funds  
 FY 11: \$0 (\$380,850 Fed and non-Fed carry over from FY10)  
 FY 12: Received \$800,000 Federal

### Project Purpose

The SF Bay to Stockton Deep Water Ship Channel Project is a congressionally authorized project being implemented by USACE and the Port of Stockton and the Contra Costa County Water Agency. A joint EIS/EIR will evaluate the action of navigational improvements to the John F. Baldwin and Stockton Deep Water Ship Channels. A General Reevaluation Report is being prepared to determine the feasibility of modifying the current dimensions of the West Richmond, Pinole Shoal, Suisun Bay, and Stockton Ship Channels, which are currently maintained to -35 feet MLLW and provide access to oil terminals, industry in Pittsburg, and the Port of Stockton.

### Milestones

- Feasibility Scoping Meeting (date TBD, funding dependent)
- Publish DEIS/DEIR (date TBD, funding dependent)
- Prepare Sampling and Analysis Plan— September, 2012
- Revise Project Economic Analysis— September, 2012

## Delta Long Term Management Strategy (Delta-LTMS)

San Francisco District, USACE (SPN)

### Current Work

A Technical Work Group (TWG) meeting was held on Monday, March 21, 2011. The meeting focused on the Sacramento River Deep Water Ship Channel deepening project.

Additional updates, including past agendas and meeting minutes, can be found on the project website, <http://www.deltaltms.com>.

### Funding

FY 05: \$ 467,000  
 FY 06: \$ 222,000  
 FY 07: \$ 497,000  
 FY 08: \$ 512,000 (includes reprogramming of \$50k)  
 FY 09: \$ 230,300  
 FY 10: \$ 249,000 (includes reprogramming of \$150k)  
 FY11: \$ 0  
 FY12: \$ 0

### Project Purpose

The Delta Long-Term Management Strategy (LTMS) is a cooperative planning effort to coordinate, plan, and implement beneficial reuse of sediments in the Sacramento and San Joaquin River Delta (Delta). Five agencies (USACE, USEPA, DWR, CBDA, and CVRWQCB) have begun to examine Delta dredging, reuse, and disposal needs. The Delta LTMS will explore ways to coordinate and manage dredging, planning, regulatory approval, and implementation to protect and enhance Delta functions, ecosystem, and water quality. The goals of the LTMS are to manage dredging activities to:

- Support and maintain Delta channel functions for navigation, flood control, water conveyance, and recreation
- Maintain and stabilize Delta levees that protect land-based activities, water conveyance, and terrestrial ecosystems
- Protect and enhance water quality for Delta water supply and ecosystem function

### Milestones

- Programmatic EIR/EIS for alternatives: FY 2014
- Adopt Sediment Management Plan: FY 2015

## Delta Links

Delta Initiatives, Official Sacramento District, Corps of Engineers site:

<http://www.spk.usace.army.mil/projects/civil/Delta/News.html>

Delta LTMS: <http://www.deltaltms.com/>

Delta Risk Management Strategy (DRMS): <http://www.water.ca.gov/floodmgmt/dsmo/sab/drms/>

Delta Vision: <http://www.deltavision.ca.gov/>

Delta Stewardship Council: <http://www.deltacouncil.ca.gov/>

Delta Protection Commission: <http://www.delta.ca.gov/>

DWR, Delta Initiatives: <http://www.water.ca.gov/deltainit/>

Bay-Delta Conservation Plan (BDCP): <http://baydeltaconservationplan.com>

Bay-Delta Office (BDO), DWR: <http://baydeltaoffice.water.ca.gov/>

California Delta Chambers & Visitors Bureau: <http://www.californiadelta.org/>

SacDelta.com, an interactive guide to the Delta: <http://www.sacdelta.com/>

SF Bay to Stockton Navigation: <http://www.sfbaytostockton.org>

Sacramento River Deep Water Ship Channel: <http://www.sacramentoshipchannel.org>

USACE Delta News is an unofficial public information communication tool authorized under the provisions of AR 360-1, para. 5 c. for the purpose of sharing information on Corps activities and other news affecting the Sacramento-San Joaquin River Delta with affected publics and Federal, state and local agencies interested in flood risk management and ecosystem restoration issues. Editorial views and opinions expressed are not necessarily those of the Corps of Engineers or the Department of the Army. It is a product of the U.S. Army Corps of Engineers, Sacramento District, 1325 J Street, Sacramento, CA 95814, in conjunction with the South Pacific Division. This publication is available on the Sacramento District, Sacramento-San Joaquin Delta webpage and will be emailed to those requesting it.

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Previous editions and further information can be found at: <http://www.spk.usace.army.mil/projects/civil/Delta/News.html>

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**[DeltaNews@usace.army.mil](mailto:DeltaNews@usace.army.mil)**

## Upcoming Delta Events

### March

15 & 16: [Delta Stewardship Council Meeting](#)

17: St. Patrick's Day

18: [Tracy Oasis Marina- Bass 4 Cash Tournament](#)

21: Delta Islands and Levees Feasibility Study Sub-group Meeting

28: [BDCP Public Meeting](#)

28: Delta Islands and Levees Feasibility Study Sub-group Meeting

### April

4: Delta Islands and Levees Feasibility Study PDT Meeting

11: Delta Islands and Levees Feasibility Study Sub-group Meeting