ISSUE
69
December 2011

SOUTH PACIFIC DIVISION DELTA INITIATIVES
SACRAMENTO AND SAN FRANCISCO DISTRICTS
US ARMY CORPS OF ENGINEERS

Delta News

A look at Corps activities and other news affecting the Sacramento-San Joaquin River Delta

THIS ISSUE

In the News

A Blast from the Past:

Racing waters in San Joaquin menace islands

San Francisco Call– January 24, 1909

Steadily Rising River Threatens Total Destruction to Big District
Grave Fears Entertained That Levees Will Fail to Stand the Strain.
Unconfirmed Report Declares Big Frank Tract Has Gone Under
STOCKTON, Jan. 23. — Some encouragement is being felt by those fighting hard to save many of the threatened districts in the delta lands west of Stockton by the fact that freezing weather has visited the foothills. The San Joaquin river at the San Joaquin bridge is now 18 feet 7 inches and still rising- The highest point ever reached is 19 feet 2 Inches. That point means practically total destruction to the entire inland districts. Grave fears are entertained less the levees will not withstand the ravages, which the torrential currents and the winds are subjecting them to. On the Old and Middle rivers sections there Is but little hope left for the flood fighters. If they can hold out until tomorrow there is a probability that the Islands will be saved. At the upper division of Sherman island Manager Anderson of the California transportation company is at work with a fleet .
http://cdnc.ucr.edu/cdnc/cgi-bin/cdnc?a=d&cl=search&d=SFC19090124.2.187&srpos=62&e=-------en-Logical-50--51---IN-Sacramento+river+Delta+san+joaquin----
California Digital Newspaper Collection, Center for Bibliographic Studies and Research, University of California, Riverside, <http://cdnc.ucr.edu>.

Stockton gets behind fight of Delta Plan

By Alex Breitler
The Stockton Record- December 9, 2011

STOCKTON - Once criticized for its lack of involvement in Delta issues, the city of Stockton is now the driving force behind a new coalition fighting a proposed plan that could decide the fate of the estuary through the end of the century.
While debate has often focused on how much water can be taken out of the Delta and how to stabilize declining fish populations, the new coalition of politicians, farmers and environmentalists is also casting light on one of local government's chief concerns: that the plan will subvert their ability to decide how and where they grow.
http://www.recordnet.com/apps/pbcs.dll/article?AID=/20111209/A_NEWS/112090326/-1/a_news14

Delta studies to be released after complaints from Congress, others

By Mike Taugher
Contra Costa Times– November 30, 2011

Reacting to fierce criticism from Northern California members of Congress and others, state and federal water officials said Tuesday they would make public draft documents for a controversial water plan and no longer allow major water agencies to review them in advance.
The move amounts to a small retreat after state and federal water officials for weeks insisted that complaints about a new contract were misplaced.
Further changes to the contract, which cleared the way for another $100 million in studies for the Bay Delta Conservation Plan, could come soon, officials said.
"Both the Brown administration and the Obama administration are committed to transparency," Deputy Interior Secretary David Hayes said. "The second reason we're doing it is the stakes are so high here."
The conservation plan would build a new set of aqueducts to carry water from the Sacramento River to improve the reliability of water supplies and reduce the environmental toll on the West Coast's largest estuary.
http://www.contracostatimes.com/news/ci_19434943?source=rss

Integrated Science Project Explores Bay-Delta Responses to Climate Change

The Delta Stewardship Council – December 11, 2011

As global warming continues over the next several decades, the ecological pressure on the San Francisco Bay and Sacramento-San Joaquin Delta will intensify, increasing the risk of extinction of some species, according to a first-of-its-kind study recently published.
The Delta Science Program supported study, Computational Assessments of Scenarios of Change for the Delta Ecosystem (CASCaDE), explored cascading effects of global climate change on the system—a "flash forward" to what the Bay and Delta could become by the end of this century.
This U.S. Geological Survey (USGS)-led project investigated how the Bay-Delta system could change from 2010 to 2099 in response to scenarios of fast and moderate warming by linking a wide range of models -- from climate to hydrology to sediment transport to habitat quality.
http://www.deltacouncil.ca.gov/science-program/integrated-science-project-explores-bay-delta-responses-climate-change

US Army Corps of Engineers
Sacramento District

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; 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. The third multi-agency meeting was held on July 13th to present and get feedback on preliminary conceptual measures and other work completed to date. The team is currently working to identify preliminary conceptual alternatives.

Project Purpose

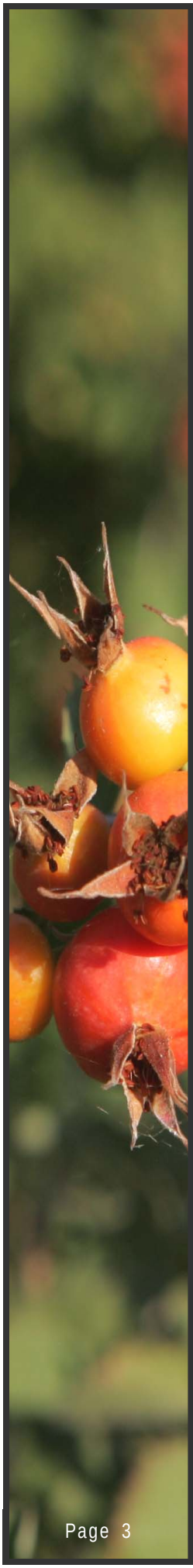
The Delta Islands and Levees Feasibility Study (Delta Study) is the Corps' mechanism to participate in a cost-shared solution to address ecosystem restoration needs, flood risk management problems, and related water resources in the Delta and Suisun Marsh area. A Feasibility Cost Share Agreement (FCSA) 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

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 **McCormack-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 13th, 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.

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

Emergency Response Planning

Sacramento District, USACE (SPK)

The final products for the Phase 1 of the Corps-DWR GIS Flood Contingency Mapping and Emergency Response Planning effort have been completed and delivered to the Corps. The Corps will begin delivering mapbooks to participating counties in the coming weeks.

Origin

Water Supply, Reliability, and Environmental Improvement Act (P.L. 108-361), Section 103 (f)(3); as amended by the Water Resources Development Act (WRDA) 2007 (P.L. 110-114), Sec. 3015; and the Energy and Water Appropriations Act of 2010 (P.L. 111-85), Section 210.

"(iv) develop a Delta Levee Emergency Management and Response Plan that will enhance the ability of Federal, State, and local agencies to rapidly respond to levee emergencies;"

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. The USACE Sacramento District Delta Levee Emergency Management Planning effort is a multi-phase effort aimed to enhance the ability of agencies within the delta region to respond to flood emergencies more efficiently. When all phases of the plan are completed, emergency management personnel can work from the same baseline emergency response data and work toward common operational goals. The First Phase of the USACE emergency management planning effort specifically addresses how Geographic Information System (GIS) data is viewed, collected and symbolized. The USACE aims to standardize the spatial information used by local, state and Federal Emergency Operations Centers (EOC) in the region.

Stakeholder Outreach and Data Collection

Preliminary stakeholder outreach and data collection was conducted through a series of meetings, interviews, and workshops to ensure close working relationships with the Delta emergency management community and expand stakeholder involvement. The first series of meetings introduced flood contingency planning concepts and prepared stakeholders for future meetings and interviews. The project team designed and facilitated these workshops to work closely with stakeholders to develop and validate mapbook products and capture special flood considerations, flood fight strategies and flood response resources for local reclamation districts (RDs), county emergency management staff, levee maintaining agencies (LMAs), the California Department of Water Resources (DWR), and California Emergency Management Agency (Cal EMA).

Local County Outreach

Following the preliminary feedback on the mapbook products, the project team initiated a second round of stakeholder meetings. The project team met with individual Office of Emergency Services (OES) for the following 5 counties:

- Contra Costa County
- Sacramento County
- San Joaquin County
- Yolo County
- Solano County

The project team explained the project background and USACE's role. During these meetings, the project aligned the spatial extents and scales for mapping products used to create Delta Levee Emergency Management Mapbook and wall sized mapping products for use in EOCs. During the initial stakeholder meetings, the mapbook products were the major focus area. Outreach meetings were held to obtain consensus on the areas of interest, and total coverage of the emergency management planning effort.

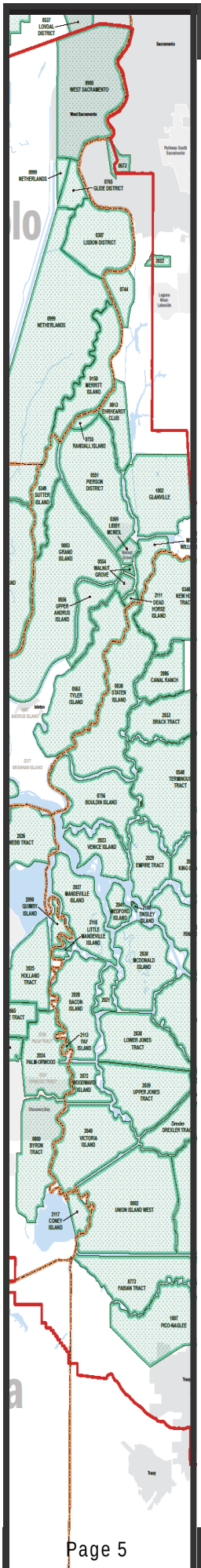
Stakeholder Workshops

Prior to the workshop a gap analysis was conducted on spatial data to evaluate missing information necessary to flood flight based on best management practices. After stakeholder consensus was reached, stakeholder workshops were conducted to collect localized data pertaining to Historic Flood Information, Special Flood Consideration, Flood Contingency Options, Flood Response Resources and additional emergency management information. Much of this data had never been collected prior to the USACE planning initiative. The stakeholder workshops were designed to be an open workshop forum with parties from local farms, RDs, RD Engineering Representatives and staff from emergency response agencies. Participants of the stakeholder workshops were asked to provide background information in very localized areas to establish flood fight material staging locations, supply delivery points, historic flood water inundation, flood fight strategy, and historic flood events among other points of interests. Over 1,000 points of information were collected and integrated into on common GIS database.

Flood Fight Data Model

A customized data model for flood fight operations within the Delta was created. Local counties, Cal EMA and multiple federal agencies will be using the USACE developed data model in the Delta region to provide better interoperability between emergency personnel. The data model will incorporate federal and state standards resulting in spatial data products that provide interoperability between many emergency management agencies. Elements of the data structure include data for emergency management (EM), critical infrastructure such as FEMA's Hazards United States – Multi-Hazard (HAZUS-MH) data base, Flood Control infrastructure from the California Levee Database (CLD), and flood contingency mapping information developed during stakeholder workshops.

Mapbooks in the printing process– November, 2011



Emergency Response Planning (Cont.)

Sacramento District, USACE (SPK)

Symbology

The project team designed symbology to be intuitive at first glance; shape and color give meaning to the symbols and once learned the maps can be scanned and interpreted instantly. Primary colors and shapes are prescribed to provide contrast and mapping themes for emergency management in the Delta.

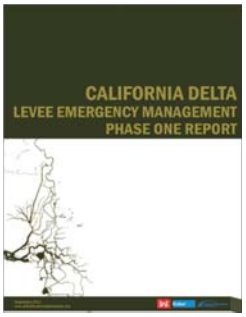
After a thematic template was established, standardized symbology was critical for improved interoperability within the region. The project team established a standardized symbology set for emergency managers in the Delta region. The USACE standard symbology will provide a baseline for current and future emergency management planning in the Delta region and will be used for displaying emergency management resources, critical infrastructure, functional care facilities, flood control infrastructure and detailed levee information.

Mapbook

Following the GIS standardization efforts, the project team developed press quality Mapbooks for the entire Delta region. The Delta Mapbook is the link between the EOC and emergency management field crews and will provide the power of modern spatial technology in a hard copy format. The Mapbook is more than just a paper resource. It provides situational awareness with each page. The Mapbook keeps the EOC and field crew aware of location, direction, threats and vulnerable populations during a flood event. The spatial data along with the static maps facilitates clear communication lines with the USACE developed symbology standards.

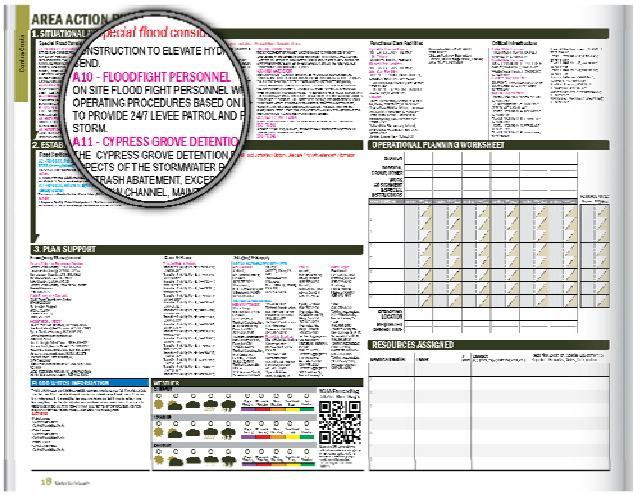
Response Report

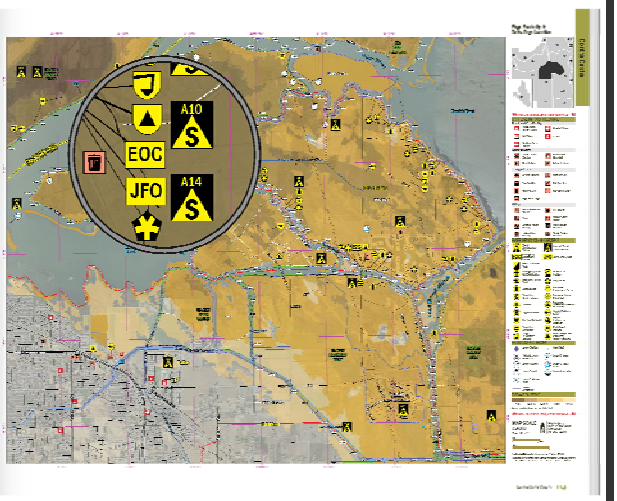
The project team reviewed and evaluated content from plans, programs, and projects related to flood protection resources, mutual aid, water supply, water quality, utilities, vulnerable populations, transportation, critical infrastructure and data interoperability. The project team also interviewed county emergency managers, various staff within municipalities, levee maintaining agencies, and others, as identified. Based upon best practices and analysis, the report:



- is a resource for emergency planners within the Delta region meant to enhance their ability to examine existing planning efforts.
- aims to provide recommendations for near-, mid- and long-term Federal, state and local efforts based upon existing gaps for flood response and emergency management.
- provides a broad regional planning effort, with the ultimate goal of developing a framework for future planning efforts.

For more information and final products visit: www.deltafloodemergencyplan.org





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 April 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 March 30, 2012.
- Upcoming Meetings:
  - In Progress Review #2: February 2, 2011

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

The draft Supplemental Environmental Impact Statement/Report (dSEIS/R) was published 25 February 2011, the public hearing was held on 21 March 2011, and the comment period closed 18 April 2011. The project website is www.sacramentoshipchannel.org.

Project Purpose

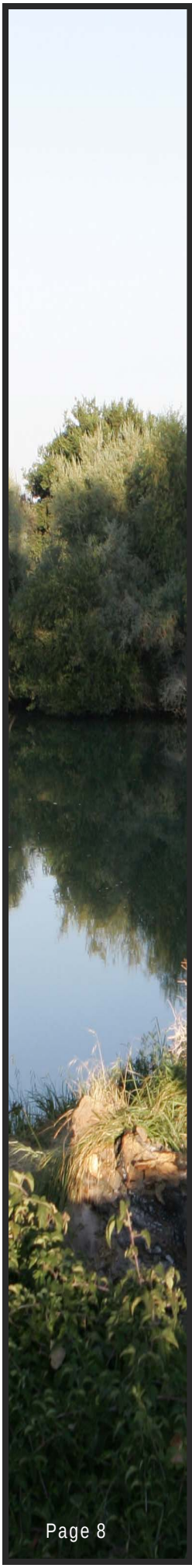
The Sacramento River Deep Water Ship Channel Project (SRDWSC) is a congressionally authorized project being implemented by USACE and the Port of West Sacramento. Currently, USACE and the Port are conducting a Limited Reevaluation Study to recommend navigation improvements for Federal funding and preparing a joint SEIS/SEIR to evaluate the action of resuming construction of navigational improvements to the *SRDWSC.*

Funding

FY 09: Combined Federal and non-Federal share: $1,276,000
FY 10: Combined Federal and non-Federal share: $2,000,000
FY11: $3,427,531 Federal and non-Federal

Milestones

- Publish revised dSEIS/R April 2012
- Revised dSEIS/R comment period April/May 2012
- Publish Final SEIS/R October 2012
- Sign Record of Decision (ROD) November 2012
- Award first construction contract (mitigation) November 2012



Central Valley Integrated Flood Management Study

Sacramento District, USACE (SPK)

Current Work

The CVIFMS team is currently coordinating with the CVFPP team in reviewing and 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 mid-2012. The team has also reviewed the 70% draft 2012 CVFPP Report with the 90% draft expected in late September. The team was asked to provide comments on the administrative draft of the "Living With Risk" document produced by DWR.

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.

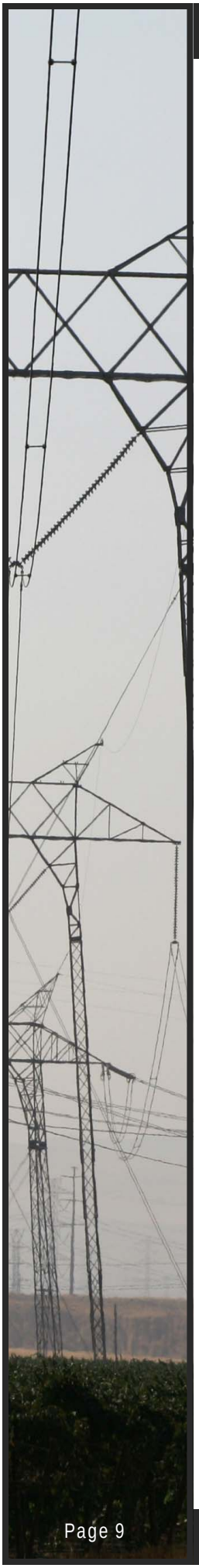
Project Purpose

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 FCSA amendment, spring 2011

- Final PMP and FCSA 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. The utilities survey has been completed. A draft habitat mapping report is complete and is under review. Preliminary estimates of economic benefits have been prepared. USACE will continue to work with participating Delta LTMS agencies to approve a sediment sampling and analysis plan.

Funding

FY 08: Received $403,000 Federal
FY 09: Received $1,340,000 Federal
FY 10: $1,093,000 in FY09 carry over funds
FY11: $0 ($380,850 Fed and non-Fed carryover from FY10)

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)

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/drmsp/

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

CALFED Bay Delta Program: http://calwater.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

Subscription Info

Delta News is a monthly publication by the US Army Corps of Engineers, Sacramento and San Francisco Districts. To subscribe, please send an email with 'Subscribe' in the subject line to: DeltaNews@usace.army.mil

Upcoming Delta Events

December

30: Delta Islands and Levees Feasibility Study PDT Meeting

January

1: Happy New Year!
6: Delta Levees and Habitat Advisory Committee Meeting
11: Delta Islands and Levees Feasibility Study PDT Meeting
12 & 13: Delta Independent Science Board Meeting

Happy Holidays!