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In the News

Needs of threatened Delta fish to be stud-
ied at UC Davis

By Matt Weiser

The Sacramento Bee – April 5, 2012

Federal officials plan to fund a study at UC Davis to learn more about the basic behavior of Delta smelt, the threatened fish at the vortex of water supply and environmental problems in the Sacramento-San Joaquin Delta.

The U.S. Bureau of Reclamation announced the study on a government grants website. It plans to pay UC Davis \$73,957 to try to answer basic questions about smelt behavior.

Pete Lucero, a Reclamation spokesman, said an important goal is to determine the role of turbidity. Biologists theorize that smelt require murky water because the fish are visual feeders: silty or muddy water may provide a visual background that helps the fish identify food. Muddy water may also help smelt hide from predators.

If true, these traits would raise key questions about water management in the state. The Delta's waters may now be clearer than historically because thousands of dams block downstream sediment movement that would make the water murky.

<http://www.sacbee.com/2012/04/05/4392483/needs-of-threatened-delta-fish.html#storylink=cpy>

Delta pipe's impact on water bills could
sink plan

By Wyatt Buchanan

The San Francisco Chronicle – March 19, 2012

Of all the unanswered questions about a plan that could result in a giant pipeline to move water out of the Sacramento River, and under the fragile Sacramento-San Joaquin River Delta, perhaps the biggest is how high Californians' water bills will rise.

The answer to that question could doom the project, though no one knows for sure when that answer will come.

Such uncertainty has some water experts concerned about the fate of the years-long process that is expected to result in a final proposal later this year. Others say ratepayers may revolt once the costs are revealed.

<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2012/03/18/MN8T1NM371.DTL#ixzz1rwYqAkMs>

Fish screen project protects native creek
habitat

By Ian Bauer

Mercury News – April 12, 2012

New protection for native wildlife living in and around the Upper Penitencia Creek, which flows through Berryessa, was recently installed.

In January, the Santa Clara Valley Water District built a new fish screen in the Robert W. Gross groundwater recharge ponds, near the intersection of Penitencia Creek Road and Noble Avenue. The water district's Board of Directors granted final approval of the \$1.07-million project March 13.

Marty Grimes, a water district spokesman, said the fish screen project is designed to keep non-native, exotic species of fish and other organisms out of the adjacent Upper Penitencia Creek, a tributary to the larger Coyote Creek, and effectively trap them in the ponds.

"Introduction of exotic species into the creek can lead to ecological degradation of the watershed for native species through competition, predation, habitat interference, disease transfer and hybridization," Grimes said.

http://www.mercurynews.com/san-jose-neighborhoods/ci_20380687/fish-screen-project-protects-native-creek-habitat

California creeks, levees may be next bat-
tleground for public access

By Matt Weiser

The Sacramento Bee – March 25, 2012

It was January 2010 when Shawn O'Brien visited her favorite paddling spot on Cache Creek, in Yolo County's scenic Capay Valley, and noticed something wasn't right.

The path to the water alongside Rumsey Bridge, which she had used for a decade to launch her canoe, was obstructed. Tree limbs, stumps and brush had been piled against the bridge, blocking the popular path.

In subsequent visits over the next few months, the debris pile grew larger and the message became clear: The public wasn't welcome.

"I was so disappointed," said O'Brien, who lives in Ukiah. "It made me crazy, and so I kind of went to work."

O'Brien thus became another agitator in the loose cadre of citizens fighting to protect access to creeks and rivers.

<http://www.sacbee.com/2012/03/25/4364085/california-creeks-levees-may-be.html#storylink=cpy>



US Army Corps
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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 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. Documentation for an In-Progress Review in May has been reviewed by the District and will be reviewed by an Agency Technical Review Team in April.

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:

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:
 - Pending LIDAR post processing final FLO-2D models will be released by May 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 30, 2012.
- Upcoming Meetings:
 - Decision Point #1: June 7, 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
FY 2012	\$400,000

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.

Funding

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

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

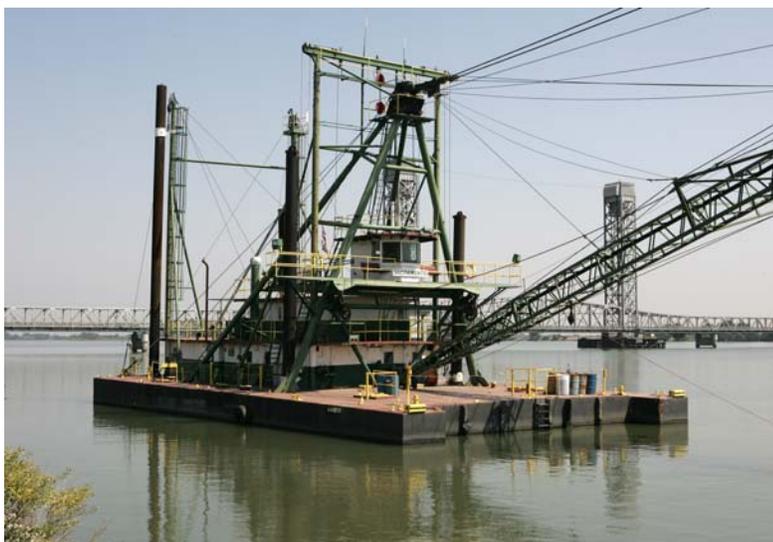
FY12: Federal \$2,800,000, Non-Federal \$171,349

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/drmsp/>

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>

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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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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

April

26: [Delta Stewardship Council Meeting](#)

27-29: [Stockton Asparagus Festival](#)

May

1: Delta Islands and Levees Feasibility Study PDT Meeting

2: [Delta Levee Standards Conference](#)

13: Mother's Day

24: [Delta Protection Commission Meeting](#)