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In the News

A Blast from the Past:**Heavy Damage Done to Delta Area by
Flood****Los Angeles Herald—January 26, 1909**

ANTIOCH, Cal, Jan. 25.—The Bethel tract, or Sand Mound district, as it is commonly known, lying south of Jersey island, on the main land, and containing 4,000 acres, is the latest reclamation area to succumb to the flood waters. The Back Cross levee, between it and the Gordon place, broke last night, and the entire district is being flooded.

This was one of the oldest reclamation tracts in the delta region, and the loss will reach \$500,000. The farmers were engaged in dairying and vegetable raising, there being a very large acreage of asparagus, celery and alfalfa.

<http://cdnc.ucr.edu/cdnc/cgi-bin/cdnc?>

[a=d&d=LAH19090126.2.18&cl=search&srpos=41&dliv=none&e=-----en-Logical-20--41---IN-Sacramento+river+Delta+san+joaquin---](http://cdnc.ucr.edu/cdnc/cgi-bin/cdnc?a=d&d=LAH19090126.2.18&cl=search&srpos=41&dliv=none&e=-----en-Logical-20--41---IN-Sacramento+river+Delta+san+joaquin---)

California Digital Newspaper Collection, Center for Bibliographic Studies and Research, University of California, Riverside, <<http://cdnc.ucr.edu>>.

Judge pans plan for delta smelt

By John Ellis

Modesto Bee—September 1, 2011

FRESNO — A federal judge here Wednesday took issue with a federal government effort to push encroaching salt water back in the Sacramento-San Joaquin Delta to help the threatened delta smelt. U.S. District Judge Oliver W. Wanger, however, didn't scrap the effort. Instead, he found that there is support to keep encroaching salt water west of the confluence of the Sacramento and San Joaquin rivers. Environmentalists and advocates for farmers and other water users found something to like in the ruling. "We're not happy with the change in location because the (smelt) is on the brink of extinction," said Trent Orr, an attorney with the environmental group Earth-justice. But, he said, Wanger also didn't "reject the concept" that it is necessary to push back encroaching salt water to protect the smelt. The politically conservative Pacific Legal Foundation, however, praised the decision. The PLF was not involved in this legal battle, but has been part of other efforts on federal regulation of the delta smelt.

<http://www.modbee.com/2011/09/01/1841666/judge-pans-plan-for-delta-smelt.html#ixzz1Y3avhwZA>

**Record fish numbers salvaged in Calif.
water pumps**

Associated Press

SF Gate- September 12, 2011

California environmentalists said Monday they are alarmed by the record number of fish caught in the large pumping facilities that move water around the Sacramento-San Joaquin Delta. The California Department of Fish and Game data show approximately 11 million fish were caught, or salvaged, in screens at the Delta's pumps between January and September. Salvage figures show 8.9 million splittail, a native California fish, were caught this year at the pumps, a sharp rise from the 5.5 million salvaged in 2006, and the largest number since 1980. The Central Valley Project and State Water Project pumps in the Delta export water to farms in the San Joaquin Valley and urban water users in southern California. Government officials said the large number of fish seen this year at the pumps is normal in a water-abundant year.

<http://www.sfgate.com/cgi-bin/article.cgi?f=/n/a/2011/09/12/state/n162410D74.DTL#ixzz1Y2TumUw9>

**UCLA researchers shake model levee, for
peat's sake**

By Matt Weiser

The Sacramento Bee—August 30, 2011

SHERMAN ISLAND – The earth rippled and squirmed on this Delta island Monday. It did not yawn open, but did reignite debate about the seismic safety of levees in the Sacramento-San Joaquin Delta.

In the first experiment of its kind, UCLA scientists erected a shaking machine atop a model levee about the size of a two-car garage. Their goal: find out if the peat soil on Sherman Island would rupture, causing the "levee" to fail.

Peat, a spongy material composed of decaying plants rather than mineral soil, is known as a poor thing to build on. Yet it lies under most of the Sacramento-San Joaquin Delta, including its 1,100 miles of levees.

A debate has raged for years about whether those levees and their peat foundations will liquefy in a quake, potentially causing a monumental flood.

<http://www.sacbee.com/2011/08/30/3870868/ucla-researchers-shake-model-levee.html#ixzz1Y3SsORuj>



**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 Corps' South Pacific Division 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 final geotech analysis report has been submitted by the sponsor and is under review by Corps staff. Preliminary engineering designs and cost estimates are underway.

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. The team met with Delta counties in August to get input on concepts for the GIS products, response report, and related data. A 65% product review meeting was held on June 13th to present the 65% complete product, provide instruction for commenting on the mapbook online, and gather additional information from County and RD representatives. A Final Phase 1 (95% complete) meeting will be held on September 26th at the USACE Sacramento District offices to discuss deliverables and next steps. The final products for Phase 1 will include:

- 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 product-to-date visit:

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



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>.

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

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 \$50k)
 FY11: \$ 0

Milestones

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



Lower San Joaquin Feasibility Study

Sacramento District, USACE (SPK)

Current Work

- **Hydraulic Modeling:**
 - CVFED model schedule for use within the Lower San Joaquin River feasibility study (LSJRFS):
 - Preliminary FLO-2D models were released on 30 June 2011
 - Revised draft version of the FLO-2D models including levee systems were released on 8 September 2011
 - HEC-RAS calibrated models for three stream groups will be released by the end of November
 - Pending LIDAR post processing final FLO-2D models will be released by March 2012
- **Geotechnical Analysis:**
 - In fiscal year 2012, the USACE geotechnical team will continue deterministic analysis on the LSJR levee systems by utilizing input from the State of California's Urban Levee Evaluation (ULE) and Non-Urban Levee Evaluation (NULE) programs. The USACE geotechnical team will complete final existing condition levee performance curves to establish baseline conditions for the feasibility report.
- **Preliminary Screening Analysis:**
 - The project delivery team is currently scoping the effort to conduct a preliminary screening of the Lower San Joaquin River study area to initiate prioritization of flood damage areas.
- **Upcoming Meetings:**
 - Project Delivery Team Meeting September 21, 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

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.

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)

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)

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.

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 March 2012
- Revised dSEIS/R comment period March/April 2012
- Publish Final SEIS/R July 2012
- Sign Record of Decision (ROD) September 2012
- Award first construction contract (mitigation) September 2012

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 re-suming construction of navigational improvements to the SRDWSC.



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 (FCSA) 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. The team has also reviewed the 70% draft 2012 CVFPP Report with the 90% draft expected in late September. The team has also been asked to provide comments on the administrative draft of the "Living With Risk" document produced by DWR. Comments are due September 23rd.

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, late summer 2011
- Programmatic Implementation Framework Document, 2012
- Programmatic Feasibility Study, 2017

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.drms.water.ca.gov/>

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>

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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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Upcoming Delta Events

September

- 15: [Delta Stewardship Council Workshop– Success and Performance Measures](#)
- 18: Delta Islands and Levees Feasibility Study PDT Meeting
- 26: USACE 95% Delta Levee Emergency Management Plan Meeting
- 22 & 23: [Delta Stewardship Council Meeting](#)

October

- 2: [The Delta Wine and Art Faire](#)
- 5: Delta Islands and Levees Feasibility Study PDT Meeting
- 7: Delta Levees and Habitat Advisory Committee Meeting