

California Bay-Delta Restoration

LOCATION: San Francisco Bay/Sacramento-San Joaquin Delta in central California.

DESCRIPTION/JUSTIFICATION: The Bay-Delta system is critical to California's economy because the two rivers that flow into the Bay-Delta provide potable water for two-thirds of California's homes and businesses and irrigate more than seven million acres of farmland on which 45 percent of the nation's fruits and vegetables are grown. The Bay-Delta system also provides habitat for 750 plant and animal species, some listed as threatened or endangered. The Federal Central Valley Project and the State Water Project play a central, coordinated role in the water management of the Bay-Delta.

The CALFED Bay-Delta Program was established in May 1995 for the purpose of developing a comprehensive, long-term solution to the complex and interrelated problems in the Bay-Delta. The program's focus is on the health of the ecosystem and improving water management. In addition, this program addresses the issues of uncertain water supplies, aging levees, and threatened water quality. Lead CALFED agencies released the final Programmatic Environmental Impact Statement/Environmental Impact Report and Preferred Alternative on July 21, 2000, followed by the signing of the Record of Decision (ROD) on August 28, 2000, formally approving a long-term plan for restoring the Bay-Delta ecosystem and improving water management. Lacking specific CALFED authorizing legislation from FY 2001 through FY 2004, Congress provided funding under the Water and Related Resources appropriation within various programs of the Central Valley Project (CVP) for activities that support the goals of the CALFED Bay-Delta Program. A total of \$68 million was provided in FY 2001 through FY 2005.

A consortium of Federal and State agencies participate in the Program. Federal agencies include: U.S. Department of the Interior - Bureau of Reclamation, Bureau of Land Management, Fish and Wildlife Service, U.S. Geological Survey; U.S. Department of Agriculture - U.S. Forest Service, Natural Resources Conservation Service; U.S. Department of Commerce - NOAA Fisheries; the U.S. Army Corps of Engineers; Environmental Protection Agency; and the Western Area Power Administration. State agency involvement includes the California Resources Agency and Program tracking by the Bay-Delta Authority; and the participation of the Department of Water Resources, Department of Fish and Game, California Environmental Protection Agency, Department of Health Services, Department of Food and Agriculture, and the State Water Resources Control Board.

In FY 2005, Title I of P.L. 108-361, titled the Calfed Bay-Delta Authorization Act was signed by the President on October 25, 2004. The Act authorizes \$389 million in Federal appropriations. The Act provides authorization for the period of FY 2005 through FY 2010. The newly authorized activities in the legislation are as follows:

- \$184 million for Conveyance Program activities, including new feasibility studies, water purchases, and implementation authority.
- \$90 million for implementation of the Environmental Water Account.
- \$90 million for implementation of levee reconstruction activities in the Delta.
- \$25 million for oversight and coordination of the Program.

Additional details on the CALFED program can be found in the Administration's CALFED report to Congress, which is included in Chapter 11 of the Analytical Perspectives volume of the President's Budget, as well as, the CD-ROM that accompanies the Analytical Perspective.

AUTHORIZATION: The Reclamation Act of 1902, as amended and supplemented, June 17, 1902; P.L. 89-561, Feasibility Studies, September 7, 1966; P.L. 96-375, Feasibility Studies, October 3, 1980; Reclamation Projects Authorization and Adjustments Act of 1992; Title XXXIV of P.L. 102-575, October 30, 1992; P.L. 104-333, the Omnibus Parks and Public Lands Management Act of 1996, Title XI, California Bay-Delta Environmental Enhancement Act, November 12, 1996; P.L. 108-7, Consolidated Appropriations Resolution, 2003, February 20, 2003; P.L. 108-137, Energy and Water Development Appropriations Act, 2004, December 1, 2003; and P.L. 108-361, CALFED Bay-Delta Authorization Act, October 25, 2004.

BUDGET AND PERFORMANCE INTEGRATION: This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2007	FY 2008
California Bay-Delta Restoration	\$38,610,000	\$31,750,000
Total Program	\$38,610,000	\$31,750,000
Request	\$38,610,000	\$31,750,000
Total Reclamation Allotment	\$38,610,000	\$31,750,000

Impact of Continuing Resolution on FY 2007 reduces the FY 2007 Request level to \$34,110,000.

Shasta Enlargement Study

Investigation Costs: Initiation: FY 2002

Completion: FY 2009

	Total Estimated Cost	Total to 9/30/06	FY 2007	FY 2008	Balance to Complete
Reclamation ^{1/}	\$17,300,000	\$9,572,056	\$3,960,000	\$3,000,000	\$767,944
Non-Federal	\$270,000	\$270,000	0	0	0
Total	\$17,570,000	\$9,842,056	\$3,960,000	\$3,000,000	\$767,944

^{1/} Funds were provided in FY 2002 through FY 2005 within the Central Valley Project, Water and Related Resources appropriation.

San Joaquin River Basin Study

Investigation Costs: Initiation: FY 2002

Completion: FY 2009

	Total Estimated Cost	Total to 9/30/06	FY 2007	FY 2008	Balance to Complete
Reclamation ^{1/}	\$18,700,000	\$11,808,150	\$3,960,000	\$2,500,000	\$431,850
Non-Federal	5,190,000	3,010,000	1,000,000	1,000,000	180,000
Total	\$23,890,000	\$14,818,150	\$4,960,000	\$3,500,000	\$611,850

^{1/} Funds were provided in FY 2002 through FY 2005 within the Central Valley Project, Water and Related resources appropriation.

Los Vaqueros

Investigation Costs: Initiation: FY 2002 Completion: TBD

	Total Estimated Cost	Total to 9/30/06	FY 2007	FY 2008	Balance to Complete
Reclamation ^{1/}	\$16,700,000	\$11,448,245	\$1,980,000	\$0	\$3,271,755
Non-Federal	17,980,000	12,540,000	1,000,000	0	4,440,000
Total	\$34,680,000	\$23,988,245	\$2,980,000	\$0	\$7,711,755

^{1/} Funds were provided in FY 2002 through FY 2005 within the Central Valley Project, Water and Related Resources appropriation.

Sites Reservoir

Investigation Costs: Initiation: FY 2002 Completion: FY 2009

	Total Estimated Cost	Total to 9/30/06	FY 2007	FY 2008	Balance to Complete
Reclamation ^{1/}	\$8,600,000	\$3,913,726	\$1,485,000	\$3,000,000	\$201,274
Non-Federal	34,500,000	30,500,000	3,100,000	900,000	0
Total	\$43,100,000	\$34,413,726	\$4,585,000	\$3,900,000	\$201,274

^{1/} Funds were provided in FY 2002 through FY 2005 within the Central Valley Project, Water and Related Resources appropriation.

Funds are requested for implementation of priority activities included in the CALFED Bay-Delta Authorization Act, which is recommended by CALFED and approved by the Secretary of the Interior. The following funding priorities are anticipated for projects to be implemented in FY 2008.

PREFERRED PROGRAM ALTERNATIVE:

Environmental Water Account - Continues the cooperative management program to provide protection to the fish of the Bay-Delta Estuary through environmentally beneficial changes in the operations of the State Water Project and the Central Valley Project, at no uncompensated water cost to the projects' water users. **\$7,000,000**

Storage Program - Continues feasibility investigations and environmental documentation on proposed CALFED storage projects: Shasta Enlargement Study, San Joaquin River Basin Study, and Sites Reservoir. Plan Formulation Reports, which include formulation of alternatives and benefit/cost analysis, are scheduled for completion by FY 2007 for all four of the studies. Studies in 2008 will focus on completing the environmental review, engineering design, selection of preferred alternatives, draft feasibility studies, and initial activities on final feasibility studies. Total estimated costs for San Joaquin River Basin Study and Sites Reservoir increased due to clarification and refinement of scope of work, duration and tasks and expeditious schedules. The completion date for Shasta Enlargement Study was extended for additional follow-on work. The completion date for the Los Vaqueros study is pending Administration review. The Initial Economics Evaluation for Plan Formulation (of Los Vaqueros Enlargement) Report identified the Environmental Water Account (EWA) as the primary benefit for

enlarging Los Vaqueros. Currently, the EWA is being evaluated to determine the long-term need and the accompanying Federal interest. Until this determination is completed, no funds are included in the fiscal year 2008 budget. **8,500,000**

Conveyance - Continues actions designed to improve water conveyance and quality in the Delta that are consistent with the Delta Improvements Package. Projects include: (1) begin study of increased capacity of the intertie between the State Water Project California Aqueduct and the Central Valley Project Delta Mendota Canal (DMC/CA); (2) continue feasibility study of San Luis Reservoir Lowpoint Improvement Project; (3) continue studying recirculation of Delta Mendota Canal export water to reduce salinity and improve dissolved oxygen in the San Joaquin River; (4) continue feasibility study on Frank's Tract, which also incorporates evaluating the reoperation of the Delta Cross Channel (DCC) and the Through Delta Facility (TDF); and (5) continued implementation of the South Delta Improvements Program in coordination with the Department of Water Resources. **5,000,000**

<i>Enlarged DMC/CA Intertie</i>	<i>(1,400,000)</i>
<i>San Luis Reservoir Lowpoint Improvement Project</i>	<i>(1,400,000)</i>
<i>DMC Recirculation</i>	<i>(1,000,000)</i>
<i>Frank's Tract (including DCC and TDF)</i>	<i>(1,000,000)</i>
<i>South Delta Improvements Program</i>	<i>(200,000)</i>

Science - Continues investigation by the Interagency Ecological Program agencies and the CALFED Science Program of causes for the recent declines in the Delta of pelagic organisms. Also continues expert evaluations and scientific assessments of Program elements and for assisting the CALFED agencies with the establishment of performance measures, and monitoring and evaluating the performance of all Program elements. **3,000,000**

Water Quality - Continues implementation of activities that will help meet water quality standards and objectives for which the Central Valley Project has responsibility. Projects will include those within the preferred alternative proposed by the San Joaquin River Water Quality Management Group, of which Reclamation is a participant. The approach focuses on managing salt loading in the San Joaquin River in areas where the highest salt loads originate. The approach also incorporates an element of real-time management, to manage salt loading into the San Joaquin River, while not redirecting impacts to the Delta. Specific activities include continued implementation of the San Joaquin River Salinity Management Plan, water quality monitoring, wetlands management, and other actions identified in the program to meet water quality standards and objectives in the lower San Joaquin River. Funding also includes initiating implementation of the Contra Costa Water District (CCWD) Alternative Intake Project. Implementation of this project is contingent on the completion of an on-going Federal study, which is scheduled for completion in 2007. **4,750,000**

<i>San Joaquin River Salinity Management</i>	<i>(4,250,000)</i>
<i>CCWD Alternative Intake</i>	<i>(500,000)</i>

Planning and Management Activities - Continues support for Reclamation's administration of storage, conveyance, water use efficiency, environmental water account, ecosystem restoration, science and water transfer. Consistent with Public Law 108-361, activities will also include: (1) Program support, (2) Program wide tracking of schedules, finances, and performance, (3) multi-agency oversight and coordination of Program activities to ensure Program balance and integration, (4) development of interagency cross-cut budgets and a comprehensive finance plan to allocate costs in accordance with the beneficiary pays provisions of the Record of Decision, (5) coordination of public outreach and involvement, including tribal, environmental justice, and public advisory activities in accordance with the Federal Advisory Committee Act (5 U.S.C. App.), and (6) development of Annual Reports. **2,000,000**

Ecosystem Restoration - Continues the development of the Bay Delta Conservation Plan (BDCP) which is being prepared to meet the requirements of the Federal and State Endangered Species Act. The BDCP will include strategies for conservation and management of identified covered species for covered

CALFED activities, including water operations and management activities within the statutory Sacramento-San Joaquin Delta. **1,500,000**

Reclamation Request **\$31,750,000**

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