

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 Perspectives.

AUTHORIZATION: The Reclamation Act of 1902, as amended and supplemented, June 17, 1902; P.L. 89-561, Feasibility Studies, September 7, 1965; 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: Deliver Water.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2006	FY 2007
California Bay-Delta Restoration	\$37,000,000	\$38,610,000
Total Program	\$37,000,000	\$38,610,000
Enacted/Request	\$37,000,000	\$38,610,000
Rescission	(370,000)	
Total Reclamation Allotment	\$36,630,000	\$38,610,000

Shasta Enlargement Study

Investigation Costs: Initiation: FY 2002

Completion: FY 2008

	Total Estimated Cost	Total to 9/30/05	FY 2006	FY 2007	Balance to Complete
Reclamation ^{1/}	\$16,000,000	\$5,982,913	\$4,000,000	\$3,960,000	\$2,057,087
Non-Federal	1,620,000	270,000	0	0	1,350,000
Total	\$17,620,000	\$6,252,913	\$4,000,000	\$3,960,000	\$3,407,087

^{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 9/30/05	FY 2006	FY 2007	Balance to Complete
Reclamation ^{1/}	\$16,200,000	\$7,665,518	\$4,000,000	\$3,960,000	\$574,482
Non-Federal	5,190,000	2,010,000	1,000,000	1,000,000	1,180,000
Total	\$21,390,000	\$9,675,518	\$5,000,000	\$4,960,000	\$1,754,482

^{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: FY 2008

	Total Estimated Cost	Total to 9/30/05	FY 2006	FY 2007	Balance to Complete
Reclamation ^{1/}	\$16,250,000	\$7,778,971	\$3,200,000	\$1,980,000	\$3,291,029
Non-Federal	17,980,000	9,440,000	3,100,000	1,000,000	4,440,000
Total	\$34,230,000	\$17,218,971	\$6,300,000	\$2,980,000	\$7,731,029

^{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 9/30/05	FY 2006	FY 2007	Balance to Complete
Reclamation ^{1/}	\$7,600,000	\$3,272,123	\$300,000	\$1,485,000	\$2,542,877
Non-Federal	34,500,000	27,200,000	3,300,000	3,100,000	900,000
Total	\$42,100,000	\$30,472,123	\$3,600,000	\$4,585,000	\$3,442,877

^{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 2007.

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 CVP, at no uncompensated water cost to the projects’ water users.

\$10,890,000

Storage Program - Continues feasibility investigations and environmental documentation on proposed CALFED storage projects: Shasta Enlargement Study, San Joaquin River Basin Study, Sites Reservoir and Los Vaqueros. Planning studies will focus on formulation of alternatives and benefit/cost analysis. Plan Formulation Reports for all four of the studies are scheduled for completion in FY 2007. **11,385,000**

Conveyance - Continues feasibility studies for: (1) increased capacity of the intertie between the State Water Project California Aqueduct and the Central Valley Project Delta Mendota Canal; (2) San Luis Reservoir Lowpoint improvement project; (3) actions at Franks Tract to improve water quality in the Delta, and (4) recirculation of export water to reduce salinity and improve dissolved oxygen in the San Joaquin River. Funds would also support evaluation of a screened through Delta facility on the Sacramento River; coordinating actions for relocating drinking water intake facilities for in-Delta water users, including assessing the feasibility

of the project and developing a finance plan; and evaluating the environmental benefits of re-operating the Delta Cross Channel. **5,198,000**

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.

2,970,000

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 Westside Regional Drainage 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. **2,970,000**

The following table represents all actions Reclamation is undertaking related to the CALFED Water Quality Program. The category B activities are those that only provide incidental benefits towards CALFED water quality objectives:

Program/Project Name	Details	Funding	
		Category A	Category B
Drinking Water Quality			
Drainage Management Program	Water & Related Resources		\$1,980,000
San Joaquin Basin Action Plan	Water & Related Resources		\$309,000
San Joaquin Basin Action Plan	Central Valley Project Restoration Fund, 3406(d)(5)		\$1,400,000
Land Retirement	Water & Related Resources		\$0
Land Retirement	Central Valley Project Restoration Fund, 3408(h)		\$1,500,000
San Joaquin River Salinity Management	California Bay-Delta Restoration, P.L.108-361	\$2,970,000	0

Drainage Management Program (\$1,980,000) - A Record of Decision on Reclamation's efforts to develop a solution to address outstanding Federal drainage obligations under the 1960 San Luis Act, including efforts outlined in the Plan of Action for Drainage to the San Luis Unit submitted to the District Court in April 2001, in compliance with the Court's order, will be completed in 2006. The FY 2007 budget request continues Reclamation's participation in the ongoing Grasslands Bypass Project. The Grassland Bypass Project results in annual reductions in discharge of salts, selenium, and other constituents to the San Joaquin River.

San Joaquin Basin Action Plan (\$1,709,000) - Reclamation and the Service are to complete the design for the East Bear Creek Unit facilities of the San Luis National Wildlife Refuge, Los Banos, California. Planning for

this Unit has proceeded separately from other San Joaquin Basin Action Plan lands due to its location on the east side of the San Joaquin River.

Land Retirement (\$1,500,000) - The purpose of the Land Retirement Program is to evaluate impacts of retiring 15,000 acres of land from irrigated agriculture. Interior will continue to purchase land from willing sellers as part of a Demonstration Project up to the targeted 15,000 acres and remove it from irrigated agriculture.

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 P.L.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. **2,970,000**

Ecosystem Restoration - Continues the implementation of projects that improve and increase aquatic and terrestrial habitats and improve ecological functions in the Bay-Delta system to support sustainable populations of diverse and valuable plant and animal species. Projects could include habitat restoration actions, fish screen improvements, control of invasive species, and water quality improvement projects that contribute to the objectives of the CALFED's Ecosystem Restoration Program. **1,980,000**

Water Use Efficiency (WUE) - Continues to meet the water conservation objectives contained in the CALFED ROD for the WUE program and will be provided to implement cost-sharing projects proposed by water districts, irrigation districts, resource conservation districts, and urban water agencies located in the CALFED solution area. **247,000**

Reclamation Request **\$38,610,000**

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