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<td>TOTAL - CVP RESTORATION FUND</td>
<td>52,136</td>
<td>41,478</td>
<td>1,334</td>
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Note: Does not include funding from Water and Related Resources.
Central Valley Project Restoration Fund

The Central Valley Project Improvement Act (CVPIA) Restoration Fund (Fund) was authorized in the Reclamation Projects Authorization and Adjustments Act of 1992 (Act), Title XXXIV of P.L. 102-575, October 30, 1992. This Fund was established to provide funding from project beneficiaries for habitat restoration, improvement and acquisition, and other fish and wildlife restoration activities in the Central Valley Project (CVP) area of California. Revenues are derived from payments by project beneficiaries and from donations.

Extensive coordination and cooperation between the Fish and Wildlife Service and Reclamation, in conjunction with the Restoration Fund Roundtable, continues to help ensure efficient and effective implementation of the Act. The Restoration Fund Roundtable includes Central Valley water users, hydropower representatives, and interested groups.

The FY 2007 request, which includes $1,334,000 in State cost-share funds, will provide funding to assist in the protection, restoration and enhancement of fish, wildlife, and associated habitats in the CVP area of California.

**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

<table>
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<tr>
<th>Program Financial Data</th>
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### Anticipated Receipt Allocations

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**CVPIA Requested Funds**

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<td><strong>$11,543,000</strong></td>
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**WORK PROPOSED FOR FY 2007:**

**Fish and Wildlife Management and Development - Miscellaneous Project Programs, CVP ($27,492,000)**

Anadromous Fish Restoration Program (AFRP) - Section 3406(b)(1). The AFRP will continue to make reasonable efforts to at least double natural production of anadromous fish. In pursuing this goal, AFRP will work with local watershed groups and other local partners to implement locally developed and supported watershed restoration plans, and to give first priority to actions, which protect and restore natural channel and riparian habitat values. The AFRP will focus on streams with the potential to sustain natural production of winter-run Chinook salmon, spring-run Chinook salmon, and steelhead, which are federally listed as threatened. The streams that support these species include the Sacramento, Yuba, and American rivers, and Battle, Mill, Deer, Big Chico, and Butte creeks. Emphasis will be on improving access for spawning adults to upstream habitat, protecting and restoring riparian and shaded riverine aquatic habitat, improving access for juvenile fish to floodplain habitats, and reducing loss of juveniles along their rearing and migratory corridors. Additional actions within the AFRP will emphasize the San Joaquin River Basin fall-run Chinook salmon, which are considered a candidate for Federal listing. Actions will focus on restoring river and tributary channels and channel forming processes, restoring spawning gravels and riparian cover, and eliminating predator ponds on tributaries. **$4,200,000**

Other Central Valley Project Impacts - Section 3406(b)(1). Funding will be used for acquisition of fee title, conservation easements, restoration, and management of habitats as well as surveys and studies for listed, proposed, or candidate species to facilitate better management decisions for acquisition, restoration, and management. The project will focus on protecting, restoring, and conserving alkali scrub habitat in the southern Valley, foothill hardwood habitat in the northern Valley, and riparian habitat...
throughout the Valley. The restoration activities of the (b)(1) "Other" Program is required as part of the Programmatic Section 7 Consultation for CVPIA and contributed to a conclusion of no jeopardy. Results from a Geographic Information System (GIS) historic analysis will be used to refine acreage and cover types. Extensive coordination and partnering with other Federal, State, and non-profit agencies will continue, particularly within CVPIA and CALFED. Between 1992 and 1998 every dollar of CVPIA funds was matched with $4.80 of partner or non-CVPIA funds.

**Dedicated Project Yield** - Section 3406(b)(2). Funding will be used to continue efforts associated with dedication and management of 800,000 acre-feet of CVP yield for the primary purpose of anadromous fish restoration as directed by the CVPIA. Operations studies will be conducted to support implementation of the objectives established by the Department of the Interior. Environmental compliance will be initiated as needed. Agreements will be reached with the California Department of Water Resources for their cooperation to support the objectives, including potential conveyance of water through State water project facilities. There will be special monitoring of certain actions to provide for adaptive management.

**Flow Fluctuation Study** - Section 3406(b)(9). Funding will be used to complete guidelines and agreements for the operation of the Stanislaus River. Literature reviews and field evaluations will continue on critical flow stages and ramping rates to develop guidelines and agreements for the Sacramento River. Review of operations and field observations will continue to ensure effectiveness of newly established operating guidelines for the American and Stanislaus rivers.

**Restoration of Riparian Habitat and Spawning Gravel** - Section 3406(b)(13). Funding will be used for gravel restoration projects on the Upper Sacramento, American, and Stanislaus rivers immediately downstream from Keswick, Nimbus, and Goodwin dams, respectively. Preliminary planning and engineering are underway in newly identified downstream areas to determine optimal gravel placement. Permits and environmental documentation will be obtained and processed, engineering completed, and projects implemented.

**Central Valley Comprehensive Assessment/Monitoring Program** - Section 3406(b)(16). Continues efforts to monitor and evaluate the progress of CVPIA implementation actions as well as the progress toward achieving the anadromous fish doubling goals. The assessment will be the relative effectiveness of categories of restoration actions and monitoring biological results. Utilization of this information will allow the adaptive management of anadromous fish restoration efforts found in the CVPIA.

**Anadromous Fish Screen Program (AFSP)** - Section 3406(b)(21). The AFSP Steering Committee recommended screening 15 of the largest diversions on the Sacramento River during the first five years of the program. As funds and diverter volunteers become available, the program is screening these diversions. AFSP screen projects will directly contribute to the CVPIA goal of "at least doubling" Central Valley anadromous fish populations and are important for the protection of listed and candidate species, including winter-run and spring-run Chinook salmon, Delta smelt, steelhead trout, and splittail. Regulatory agencies, voicing concern that diversions are not being screened as rapidly as prudent to protect listed fish species and to meet the goals of the CVPIA, are considering initiating regulatory actions. To date, 21 fish screen or fish passage projects have been completed valleywide. Construction will continue on Natomas Mutual Water Company and Reclamation District 108 fish screens. Additional fish screen construction will be initiated on other high priority diversions along the Sacramento River.

**Refuge Wheeling Conveyance** - Section 3406(d). Funding will be used for administration of conveyance agreements with non-Federal entities to convey Level 2 and Level 4 water supplies through Federal facilities (managed by private authorities) to turnouts, through non-Federal entity facilities to State and

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*Central Valley Project Restoration Fund* - 4
Federal wildlife refuge boundaries and to the Grassland Resource Conservation District in accordance with Section 3406(d) of the CVPIA. This request provides for conveyance of Level 2 water supplies and Level 4 water supplies acquired through the Water Acquisition Program.

Conveyance agreements with the following entities are in place: Glenn Colusa Irrigation District, Sutter Extension Water District, Biggs-West Gridley Water District, Tehama Colusa Water Authority, Department of Water Resources, San Luis Delta-Mendota Water Authority, Central California Irrigation District, San Luis Canal Company, Grasslands Water District, and Buena Vista Water Storage District. The estimated funding requirement to convey (wheel) the quantities of water supplies mandated by the CVPIA is based on a maximum quantity of approximately 408,000 acre-feet for Level 2 and 160,000 acre-feet for Level 4.

**Refuge Water Supply, Facility Construction - Section 3406(d).** Funding is required to continue implementation of conveyance system improvements for delivery of water to the Sutter National Wildlife Refuge (NWR), Gray Lodge Wildlife Management Area (WA), and Mendota WA refuges, as mandated by the CVPIA. The Act required Level 4 water supplies to be available by FY 2002, which would have required facility conveyance actions to be completed by that date as well. However, seasonal, operational, and environmental constraints, in addition to funding shortfalls and escalating implementation costs, have dictated the continuation of staggered implementation schedules for the remaining refuges, extending the project through FY 2012. All of the preferred alternatives, with the exception of Pixley NWR, require the use of existing water district facilities with some facility improvements/replacements. Currently, additional studies of conjunctive use opportunities at Pixley NWR are being conducted that could modify the preferred alternative. Partnering with water districts for implementation of the preferred alternatives is the most cost and environmentally effective and efficient option for meeting the requirements of the law. Funding includes implementation of the preferred alternative for Gray Lodge WA, Sutter NWR, Pixley NWR, and Mendota WA.

**Ecosystem/Water Systems Operations Model - Section 3406(g).** Funds for the following require $8,988,000, which includes $520,000 from the Water and Related Resources request and $1,334,000 from non-Federal cost-share funds.

As directed under Section 3406 (b)(3) of the CVPIA, the purpose of this activity is to acquire water on various rivers and streams to help meet instream flow objectives established in the AFRP, Section 3406(b)(1). One of the actions identified by the draft AFRP is to increase instream flows on various rivers and streams of the central valley. The CVPIA provides further that these increased flows will be met by the following actions: (1) the reoperation of the CVP (b)(1)(b), (2) the dedication of 800,000 acre-feet of Central Valley Project water (b)(2), and to the extent that the previous two actions are not available or insufficient, (3) Section 3406(b)(3) authorizes the Secretary to acquire water from willing sellers.

Reclamation, in coordination with the AFRP, will acquire water from the San Joaquin River Group pursuant to the San Joaquin River Agreement (SIRA) for the fish and wildlife restoration objective of CVPIA. Water purchased under the SIRA is in support of the Vernalis Adaptive Management Program (VAMP) or for improvement of instream flows at other times and locations on the San Joaquin River and its tributaries. VAMP represents a scientifically based adaptive fishery management plan that will help ensure that the relationships between flows, exports, other factors, and fish survival are better understood and that water supply reductions are minimized while fishery habitat improvement goals are met. Other water purchases under the SIRA are for improvement of fall instream flow conditions on the Merced, and for augmenting flows on the Stanislaus and lower San Joaquin rivers, outside of the April-May VAMP period. The acquisition of water is critical to ensure augmented flows on the San Joaquin River.

**Central Valley Project Restoration Fund - 5**
San Joaquin Division, CVP ($10,986,000)

Water Acquisition Program - Section 3406(b)(3). The CVPIA requires acquisition of 100 percent of Level 4 refuge water supplies. This request includes coordination of the CVPIA long-term water acquisition planning process with CALFED’s Environmental Restoration Program, Water Acquisition. The purpose of this activity is to purchase approximately 160,000 acre-feet of water to meet the Level 4 and full habitat development incremental water supplies (Level 4 water) for various wetland habitat areas within the central valley of California. Reclamation may acquire water supplies through short-term purchase agreements, purchase options, long-term water purchase agreements that require annual payments, and participation in groundwater banking. A large percentage of this water will be acquired within the San Joaquin Valley where most of the wetlands are located. Sources of water will include reservoir storage transfers, groundwater pumping, banked groundwater, and temporary or permanent transfers of surface supplies by water right holders or project contractors. It is expected that some water supplies may be transferred through the Delta for use on the San Joaquin Valley refuges. Approximately 160,000 acre-feet is expected to be acquired. The full incremental Level 4 water supply (163,259 acre-feet) provides for the fully developed wetlands that have adequate conveyance facilities in 2007, and includes the amount of water that could be lost (conveyance losses) through seepage and evaporation as acquired water is conveyed through non-Federal facilities in route from the CVP to the boundaries of the wetlands. The request for this activity is for only the cost of Level 4 water. The delivery of Level 4 water from its sources to the wetlands boundary is dependent upon funding requested in the Refuge Wheeling Program.

San Joaquin Basin Action Plan - Section 3406(d)(5). Funds for the following activities require $1,709,000, which includes $309,000 from the Water and Related Resources request. Requested funds will help to meet program needs to complete refuge facility construction for delivery of refuge water supplies within San Joaquin Basin Action Plan lands. Specific funding efforts will include: construction of the East Bear Creek Unit, San Luis National Wildlife Refuge, and Orleans Canal design effort.

Land Retirement Program - Section 3408(h). Lands will be selected for purchase based upon the degree to which an acquisition will further the broad environmental objectives of the CVPIA. Land purchases, with associated water rights in some cases, will occur on a willing seller basis and will be targeted to optimize: (1) drainage problem reduction, (2) wildlife protection and restoration, and/or (3) water conservation. Funds will be used to acquire and retire lands from irrigated agricultural production, due to poor drainage conditions, as recommended in the 1990 final report of the San Joaquin Valley Drainage Program. Lands will be retired utilizing the interim guidelines and existing Federal regulations.

Extensive restoration work will need to be implemented during the next several years. Actions will include continued retirement of lands to complete the 15,000 acre acquisition for the Land Retirement Demonstration Program and continue scientific data collection by utilizing the interim guidelines and existing Federal regulations. A plan of action will be initiated to implement programmatic environmental studies and documentation. In order to continue the purchase of several thousand acres for a land retirement program, environmental documentation will need to be completed.

The Land Retirement Program is based on a competitive process designed to retain maximum flexibility to the government in selecting and retiring lands. Extensive monitoring will be conducted on the demonstration project lands and the knowledge gained will be used to adapt land management activities. The criteria for selection of lands for retirement may be adapted or adjusted as necessary.

Total acreage for the Land Retirement Program is dependent on the number of willing sellers that come forward to sell their property and the budgets available for Federal purchase. At this time, however, the program anticipates retiring up to 90,000 acres.

San Joaquin Division, CVP ($10,986,000) 8,086,000
San Joaquin Basin Action Plan 1,400,000
Land Retirement Program 1,500,000
Shasta Division, CVP ($1,000,000)
Coleman Fish Hatchery - 3406(b)(11). Water Intake Number 1 is the Hatchery’s primary intake. This intake has the advantage of providing high quality water available from Pacific Gas and Electric’s Coleman Powerhouse tailrace. The proposed modifications at and around Intake Number 1 are intended to improve the long-term reliability of the intake, thus ensuring protection of fish reared on station and providing maximum protection to anadromous fish within the system. 200,000

Clear Creek Restoration - Section 3406(b)(12). Funds for the following require $935,000, which includes $135,000 from the Water and Related Resources request. Clear Creek restoration continues to aggressively implement Chinook salmon and steelhead habitat enhancement projects through partnerships with local landowners, public and private agencies, and universities.

Restoration activities will include the following: (1) the U.S. Fish and Wildlife Service will continue its monitoring program documenting and quantifying juvenile production of steelhead and spring-run Chinook salmon; (2) increase the quality and quantity of spawning habitat by placing clean spawning-sized gravel at several locations along the creek; and (3) continue funding the Lower Clear Creek Coordinated Resource Management Group, facilitated by the Western Shasta Resource Conservation District, to provide a forum for local landowners and the general public to participate in the restoration efforts. 800,000

San Joaquin River Basin Resource Management Initiative ($2,000,000)
San Joaquin River Basin Resource Management Initiative – Section 3406(c). It is proposed that funds from the Restoration Fund authorized under Section 3407 of the Central Valley Project Improvement Act be utilized in FY 2007 to develop a comprehensive plan, which is reasonable, prudent, and feasible, to address fish, wildlife, and habitat concerns on the San Joaquin River. The plan will include, but not be limited to, streamflow, channel, riparian habitat, and water quality improvements that would be needed to reestablish where necessary and to sustain naturally reproducing anadromous fisheries from Friant Dam to its confluence with the San Francisco Bay/Sacramento-San Joaquin Delta Estuary. In addition, this effort will be developed in cooperation with the State of California Department of Fish and Game and in coordination with the San Joaquin River Management Program managed by the State of California Department of Water Resources. The effort will include the preparation of documents required by the National Environmental Policy Act and contain findings setting forth the basis for the Secretary’s decision to adopt and implement the plan as well as recommendations concerning the need for subsequent congressional action, if any. The plan shall incorporate, among other relevant factors, the potential contributions of tributary streams as well as alternatives to be investigated under the Stanislaus River Basin and Calaveras River Water Use Program Environmental Impact Statement. A San Joaquin River Comprehensive Plan will be developed that will identify the spectrum of restoration strategies possible without adverse impacts to agriculture and municipal and industrial uses. 2,000,000

Redamation Request $41,478,000