

Executive Summary

2015 CVPIA Planned Activities

The U.S. Bureau of Reclamation (Reclamation) and the U.S. Fish and Wildlife Service (FWS) develop annual work plans to disclose and solicit feedback on activities planned for the upcoming fiscal year under the authorities and responsibilities of the Central Valley Project Improvement Act (CVPIA), Title 34 of Public Law 102-575, and the CVP Restoration Fund. This executive summary provides a synopsis of activities in the 2015 work plans.

Activities under the CVPIA fall under a Fisheries Resource Area, Refuge Water Supply Resource Area, Terrestrial Habitat Resource Area, or Ecosystem and Water System Operations Models. Within each resource area, programs representing the specific authorities develop and implement activities for specific projects and actions to meet those authorities. General categories of activities include:

- Administration and Program Support: costs associated with establishing and maintaining a program or distributed costs not reasonably attributable to a specific activity.
- Projects: discrete activities directly associated with meeting objectives of the CVPIA including the accompanying project specific planning, environmental compliance and permitting, design, implementation, and project monitoring and close-out.
- Research and Assessments: activities for assessing progress, improving implementation, or scoping future plans unassociated with implementing a specific project.

In cases where multiple programs may support a single activity, the activity is reported under the first major authority. A range of sources may fund activities under CVPIA authority, and funding levels listed below may include Water and Related Resources Funds, Bay-Delta Funds and State cash and in-kind services in addition to Restoration Funds. The main body of the work plan provides charters detailing the specific activities and expenses.

The CVPIA Program Environmental Impact Statement (PEIS), Working Paper, Final Restoration Plan, Program Assessment and Rating Tool (PART), CVPIA Program Activity Review Report (CPAR), and various other reports describe the approach to meeting the goals of CVPIA and summarize the quantitative metrics for evaluating programs. The narratives for the individual work plans summarize the history and objectives for each program.

To develop work plans, the federal and state program managers assembled proposed activities for the upcoming year based on an estimated budget. These work plans underwent agency review by Reclamation, FWS, the National Marine Fisheries Service (NOAA-Fisheries), the CA Department of Water Resources, and the CA Department of Fish and Wildlife. Following agency review, the work plans are presented to stakeholders and the public for review and feedback prior to finalization. Revisions and adjustments to the specific activities may occur during implementation. Reclamation and FWS develop an Annual Accomplishments Report to disclose the results of implementation.

Fisheries Resource Area

The fisheries resource area includes all of the authorities under 3406(b), (c) which is administered under P.L. 111-11, and (g). A separate program implements each paragraph with informal coordination between program managers and formal coordination through a multi-agency core team.

Anadromous Fish Restoration Program, 3406 (b)(1)

The Anadromous Fish Restoration Program (AFRP) seeks to make all reasonable efforts to ensure that natural production of anadromous fish in Central Valley rivers and streams will be sustainable, on a long-term basis, at levels not less than twice the average levels attained during the period of 1967-1991. Proposed activities under the AFRP in partnership with local entities and other agencies include:

TITLE	FY 2015 FUNDING
b1 AFRP Program Administration and Management	\$2,829,060
b1 Yuba River Daguerre Alley Floodplain Restoration Project	\$1,600,000
b1 Yuba River Narrows Restoration Project	\$1,000,000
b1 Henderson Park Channel & Floodplain Restoration	\$848,000
b1 Mill Creek Fish Passage Project	\$556,500
b1 Lower Deer Creek Falls Fish Passage, Phase 2	\$95,400
b1 Bullock Bend Floodplain Restoration Project	\$261,269
b1 Wild Chinook Juvenile Acoustic Tagging	\$174,900
b1 Green Sturgeon Juvenile Investigation	\$111,000

b1 Merced Ranch Floodplain/Side-Channel Project	\$144,000
b1 Bay-Delta Sturgeon Age, Growth, and Microchemistry	\$330,000
b1 Buttonbush Floodplain Restoration Project	\$654,888
b1 Knights Ferry Floodplain Restoration Project	\$530,000
b1 Mokelumne Spawning Habitat Improvement	\$106,000
b1 Impacts of Marijuana Activity on Fish	\$81,620
Total	\$9,322,637

Dedicated Project Yield Program, 3406 (b)(2)

The Dedicated Project Yield Program manages up to 800,000 acre-feet of CVP water for fish, wildlife, and habitat restoration purposes through augmenting river releases from CVP reservoirs and reducing CVP exports in the Delta to improve flow and habitat conditions.

TITLE	FY 2015 FUNDING
b2 administration	\$92,156
b2 operations	\$353,018
Lower American River Redd Dewatering	\$35,000
b1 Sacramento River Redd & Life History Monitoring (b2, 50%)	\$64,500
b1 Sacramento River Redd & Life History Monitoring (b1, 50%)	\$64,500
Delta Salmon Survival Study (b2, 86%)	\$149,606
Delta Salmon Survival Study (b16, 14%)	\$24,354
Total	\$783,134

Instream Water Acquisition Program, 3406 (b)(3)

The Water Acquisition Program is charged to acquire water to supplement the 800,000 acre-feet of dedicated CVP yield for fisheries.

TITLE	FY 2015 FUNDING
Instream Water Purchase Administration	\$263,174
Instream Water Acquisition	\$2,643,122
Total	\$2,906,296

Tracy (Jones) Pumping Plant Program, 3406 (b)(4)

The Tracy (Jones) Pumping Plan Program seeks to mitigate for fishery impacts associated with operations of the Tracy Pumping Plant through improvement or replacement of the fish screens and fish recovery facilities and related practices.

TITLE	FY 2015 FUNDING
TFFIP Administration	\$794,182
TFFIP Implementation	\$430,067
Total	\$1,224,249

Clear Creek Restoration Program, 3406 (b)(12)

The goal of the Clear Creek Restoration Program is to develop and implement a comprehensive program to restore instream habitat and provide flows to allow sufficient spawning, incubation, rearing, and outmigration for salmon and steelhead from Whiskeytown Dam.

TITLE	FY 2015 FUNDING
b12 Clear Creek Program Management	\$259,697
b12 Clear Creek Flows	\$10,000
b12 Clear Creek McConnell Foundation	\$25,000
b12 Clear Creek Channel Maintenance Flows	\$110,000
b12 Lower Clear Cr Aquatic Habitat and Mercury Abatement Project	\$2,250,000
b12 Clear Creek Adaptive Management	\$236,970
b12 Clear Cr Spawning Gravel Injection	\$260,000
b12 Clear Creek Stream Channel Restoration	\$224,369
b12 Replace Oak Bottom Temperature Control Curtain	
Total	\$3,376,036

Spawning and Rearing Habitat Restoration Program, 3406 (b)(13)

The purpose of this program is to increase the availability of spawning and rearing habitat in the Sacramento, American, and Stanislaus River Basins.

TITLE	FY 2015 FUNDING
b13 Administration	\$385,000
American River Spawning and Rearing Habitat (b13, 65%)	\$357,500

American River Spawning and Rearing Habitat (b1, 35%)	\$192,500
Sacramento River Salmonid Spawning and Rearing Habitat Restoration	\$1,600,000
Stanislaus River Salmonid Spawning and Rearing Habitat Restoration	\$300,000
Total	\$2,835,000

Comprehensive Assessment and Monitoring Program, 3406 (b)(16)

The Comprehensive Assessment and Monitoring Program (CAMP) seeks to monitor fish and wildlife resources in the Central Valley and assess the biological results and effectiveness of actions under CVPIA.

TITLE	FY 2015 FUNDING
CAMP Program Manager	\$225,268
CAMP database support	\$106,080
CAMP rotary screw trap platform enhancements	\$143,651
American River rotary screw trap monitoring	\$340,985
Stanislaus River rotary screw trap monitoring	\$294,031
Sacramento River rotary screw trap monitoring	\$722,469
Quantify adult winter-run Chinook salmon escapement on the Sacramento River	\$199,556
American River Adult Salmon Escapement Survey	\$0
Total	\$2,032,040

Anadromous Fish Screen Program, 3406 (b)(21)

The Anadromous Fish Screen Program assists the State of California in efforts to develop and implement measures to avoid losses of juvenile anadromous fish resulting from unscreened or inadequately screened diversions.

TITLE	FY 2015 FUNDING
AFSP Administration	\$967,558
AFSP Projects	\$3,182,442
Total	\$4,150,000

Ecosystem and Water Systems Operations Modeling Program, 3406 (g)

The goal of the Ecosystem and Water Systems Operations Models program is to develop readily usable and broadly available models and supporting data in order

to 1) evaluate ecologic and hydrologic effects of existing and alternative water management strategies in the Sacramento, San Joaquin, and Trinity River watersheds; 2) improve scientific understanding of ecosystems in the Sacramento, San Joaquin, and Trinity watersheds; and 3) support the Interior Secretary's efforts in fulfilling the requirements of the CVPIA. The Program manages projects in conjunction and with in-kind services from State partners.

TITLE	FY 2015 FUNDING
CVPIA (g) Program Administration, Modeling Project Management, Technical Support, and Modeling	\$1,701,103
Callite Model	\$75,000
Temperature Model	\$100,000
Total	\$1,876,103

San Joaquin River Restoration Program, PL 111-11, Title X

The San Joaquin River Restoration Settlement Act (Title X, Subtitle A, Part I of Public Law 111-11), authorizes and directs implementation of the Settlement in *NRDC, et al., v. Rodgers, et al.* Section 10007 of the Settlement Act finds and declares that the Settlement satisfies and discharges all of the obligations of the Secretary contained in Section 3406(c)(1) of the CVPIA. Section 10006(b)(2) authorizes use of the CVP Restoration Fund in an amount not to exceed \$2,000,000 (October 2006 price levels) in any fiscal year. CVPIA funded activities include:

TITLE	FY 2015 FUNDING
111_11 Mendota Pool, Reach 2B	\$2,000,000
Total	\$2,000,000

Trinity River Basin Fisheries Program, 3406 (b)(1) other & (b)(23)

The Trinity River Restoration Program was founded in 2000 based on three comprehensive foundational documents: the Trinity River Flow Evaluation Final Report; the Trinity River Environmental Impact Statement; and the Trinity River Mainstem Fishery Restoration Record of Decision. These documents established a comprehensive science-based adaptive management program to restore the Trinity River's fishery resources. The Program's overarching goal is to restore anadromous fish populations to pre-dam levels. FY2015 activities that contribute to that end include mechanical channel rehabilitation, sediment management, and instream flow releases, and watershed restoration.

TITLE	FY 2015 FUNDING
Trinity River Restoration Program CVPIA Section 3406(b)(1)/(b)(23)	\$14,774,759
Total	\$14,774,759

Refuge Water Supply Program, 3406(d)

The Refuge Water Supply Program's (RWSP) overarching goal is to ensure that all 19 CVPIA identified wetland habitat areas, hereinafter referred to as "refuges", annually receive water of specified quantity and suitable quality, meeting required flow rate and timing, to support their wetland and aquatic environments. A full Level 4 water supply will provide for optimum habitat management, supporting a broad range of species including targeted threatened and endangered species. The RWSP consists of three major components: water acquisition, water conveyance, and facilities construction.

TITLE	FY 2015 FUNDING
RWSP Administration (d2, 37% charter total)	\$589,034
RWSP Administration (d2, 6% charter total)	\$95,519
RWSP Administration (d5, 16% charter total)	\$254,717
RWSP Administration (d5, 2% charter total)	\$31,840
RWSP Administration (d1, 39% charter total)	\$620,873
Inc. Level 4 Water Purchases and L2 Exchanges	\$8,631,545
Level 2 Refuge Water Conveyance	\$11,569,400
Inc. Level 4 Refuge Water Conveyance	\$364,000
Ref Cons - Biggs-West Gridley/Gray Lodge Refuge (L2, 80%)	\$2,016,784
Ref Cons - Biggs-West Gridley/Gray Lodge Refuge (Inc. L4, 20%)	\$504,196
Ref Cons - Sutter NWR (L2, 78%)	\$546,000
Ref Cons - Sutter NWR (IL4, 22%)	\$154,000
Ref Cons - EBC Pumping Plant (L2, 67%)	\$67,000
Ref Cons - EBC Pumping Plant (IL4, 33%)	\$33,000
Ref Cons -NVERRWP	\$3,500,000
Total	\$28,977,908

Terrestrial Habitat Resource Area, (Habitat Restoration Program), 3406 (b)(1) other

The Habitat Restoration Program funds habitat restoration of CVP-impacted habitats; land acquisition and habitat restoration to protect CVP-impacted species and their habitats; research actions that correlate and support land acquisition and/or habitat restoration projects; and captive propagation and reintroduction projects to assist with recovery of federally listed species and their populations. These actions will occur through a grant award process.

Actions undertaken are determined based on needs identified in species recovery plans, and are selected based on priorities established in consultation with the FWS following a competitive proposal solicitation process.

TITLE	FY 2015 FUNDING
HRP Program Management	\$341,016
HRP Administration	\$43,958
HRP Projects	\$1,258,589
Total	\$1,643,563

CVPIA Administration

CVPIA Administration provides for the staff to administer the collections funds, budget submittal, administer the agreements with the Service, and for Reclamation and Service Regional management.

TITLE	FY 2015 FUNDING
2015 and 2016 CVPIA Support	\$1,342,850
SDM Phase 2	\$201,250
Total	\$1,544,100