$108,479,556 total funding to date for San Joaquin River and lower Central Valley CALFED ERP actions and funding as sown on the California website as of 10/7/2013: https://nrm.dfg.ca.gov/ERP/projects.aspx					
ERPNumber	DFGContractNum	TotalFundingAmou	AmendedEndDate	ProjectName	Recipient
AFRP-10-001	81332-8-G006	$95,400		Tuolumne River Bobcat Flat (Complete Permitting and Begin Implementation with Gravel Augmentation on Patch 3)	
AFRP-10-002	81332-7-G006	$123,569		Stanislaus River Floodplain and Sidechannel Restoration Lancaster Rd (Post Project Monitoring and Evaluation)	
AFRP-10-003	81332-8-G010	$295,220		Merced River Ranch Floodplain Enhancement (Complete Phase I, Reclamation Plan, and Phase 2 of 3 begin implementation and process 16,000 tons of gravel)	
AFRP-10-004	81332-8-G015	$55,057		Stanislaus River Honolulu Bar Floodplain Restoration (Post Project Monitoring)	
AFRP-10-008	81332-A-J005	$200,000		Stanislaus River Lovers Leap Floodplain Restoration (Post Project Monitoring)	
CVPIA-01-F02		$672,610		Spawning Habitat & Floodplain Restoration in the Stanislaus River, Phase I	Carl Mesick Consultants
CVPIA-01-F03		$57,465	3/31/2005 0:00	Non-Structural Alternative at the San Joaquin River National Wildlife Refuge: Refinement for Habitat Enhancement	Ducks Unlimited
CVPIA-01-F04		$62,000		Tuolumne River Watershed Outreach and Stewardship	Tuolumne River Preservation Trust
CVPIA-01-F07		$45,000	12/31/2003 0:00	Merced River Water Temperature Management Feasibility Study	Natural Resource Scientists, Inc.
CVPIA-01-F09		$45,262	9/30/2005 0:00	San Joaquin River Chinook Salmon Age Determinations: Phase II	California Department of Fish and Game
CVPIA-01-F10		$40,890		Health Monitoring of Hatchery and Natural Fall-Run Chinook Juveniles	U.S. Fish and Wildlife Service
CVPIA-01-F11		$26,319	9/30/2003 0:00	Evaluate Use of a Two-Dimensional Hydraulic and Habitat Simulation Model to Assess Benefits of Channel Restoration	Yolo County Resource Conservation District
CVPIA-01-F14		$518,670	12/31/2005 0:00	Tuolumne River Mining Reach Restoration No 3 - Warner-Deardorff Segment	Turlock Irrigation District
CVPIA-02-V01		$158,756		Distribution and Relationship of Resident and Anadromous Central Valley Rainbow Trout	California Department of Fish and Game
ERP-00-B04		$295,925	3/30/2003 0:00	Focused Action to Develop Ecologically-based Hydrologic Models and Water Management Strategies in the San Joaquin Basin	Natural Heritage Institute
ERP-00-B05		$652,330	6/30/2004 0:00	Adaptive Real-Time Water Quality Management of Seasonal Wetlands in the Grassland Water District	Grassland Water District
ERP-00-E02		$848,000	6/30/2005 0:00	Panoche/Silver Creek Watershed Management and Action Plan	Westside RCD
ERP-00-E05		$272,912	11/1/2002 0:00	Merced River Corridor Restoration Project - Phase III	Stillwater Sciences
ERP-00-F01		$1,984,320	11/1/2006 0:00	Tuolumne River Bobcat Flat Floodplain Acquisition Project	Friends of the Tuolumne
ERP-00-F04		$230,376	3/31/2006 0:00	A Mechanistic Approach to Riparian Restoration in the San Joaquin Basin	Stillwater Sciences
ERP-01-C03		$1,699,101		Revised Phase II - Merced River Salmon Habitat Enhancement River Miles 42 to 44 (Robinson Reach and Permit #307 sites)	California Department of Water Resources
ERP-01-C06-D		$115,000		Directed Action for Selenium	None Assigned
ERP-01-C61-4-D		$276,000		Monitoring of Nutrients and Oxygen-Depleting Substances in the San Joaquin River Basin Upstream of Vernalis	U.S. Geological Survey
ERP-01-N03	P0685620	$543,530	6/30/2006 0:00	Tuolumne River Restoration: Special Run Pool 10	Turlock Irrigation District
ERP-01-N08	P0685591	$7,646,233	12/31/2006 0:00	San Joaquin River NWR Riparian Habitat Protection & Floodplain Restoration Project - Phase II	U.S. Fish and Wildlife Service
ERP-01-N09	P0685592	$910,486	12/31/2007 0:00	Tuolumne River Fine Sediment Management	Turlock Irrigation District
ERP-01-N11	P0685594	$2,720,085	12/31/2006 0:00	Habitat Acquisition for Riparian Brush Rabbit and Riparian Woodrat	U.S. Fish and Wildlife Service
ERP-01-N29		$198,450	7/16/2004 0:00	Kirker Creek Coordinated Resource Management & Planning Program	Contra Costa RCD
ERP-01-N30		$502,100		Digital Soil Survey Mapping and Digital Orthophotoquad Imagery Development	Natural Resources Conservation Service
ERP-01-N32		$126,000		Marsh Creek Watershed Stewardship	Natural Heritage Institute
ERP-01-N37		$48,500		Environmental Stewardship Educational Conferences & Tours	Ecological Farming Association
ERP-01-N38		$306,291	6/30/2004 0:00	Delta Studies Program: San Joaquin County Schools	San Joaquin County Office of Education
ERP-01-N42		$1,066,593	1/31/2005 0:00	Educating Farmers and Landowners in Biological Resource Management	Community Alliance with Family Farmers
ERP-01-N56		$175,000	12/31/2002 0:00	Patterson Irrigation District Positive Barrier Fish Screen Study on San Joaquin River Diversion	Patterson Irrigation District
ERP-01-N61		$1,645,000	2/28/2003 0:00	Aeration Technology Performance Evaluation	G. Fred Lee and Associates
ERP-01-N61-01		$158,000	2/28/2003 0:00	San Joaquin River Dissolved Oxygen Depletion Control Project: Coordination, Integration, and Technical Administration	G. Fred Lee and Associates
ERP-01-N61-02		$100,000	8/31/2002 0:00	San Joaquin River Dissolved Oxygen Depletion Control Project: San Joaquin River Diversion Data Assimilation, Drainage Estimation, and Installation of Diversion Mor	G. Fred Lee and Associates
ERP-02-D01		$706,649		Tuolumne River - Big Bend Project	Tuolumne River Preservation Trust
ERP-02-P11		$1,497,500	6/30/2006 0:00	Cultivating Watershed Stewardship	FARMS Leadership, Inc.
ERP-02-P12-D	P0685545	$2,192,515	1/31/2007 0:00	Merced River Corridor Restoration Plan Phase IV: Dredger Tailings Reach (Merced River Ranch)	Stillwater Sciences
ERP-02-P16	P0685547	$611,000	2/12/2007 0:00	Patterson Irrigation District Fish Screen Design and Environmental Review	Patterson Irrigation District
ERP-02-P19-D		$0		Tuolumne River Mining Reach Restoration Project: Warner-Deardorff Segment No. 3 - Construction	Turlock Irrigation District
ERP-02-P28	P0685560	$661,902	10/31/2006 0:00	Stanislaus - Lower San Joaquin River Water Temperature Modeling and Analysis	Tri-Dam Project
ERP-02-P29	P0685559	$4,350,000	12/31/2008 0:00	Tuolumne River Sediment Acquisition and Spawning Ground Transfusion Project	Turlock Irrigation District

ERP-02-P38	P0685565	$562,924	2/29/2008 0:00	Effects of Climate Variability and Change on the Vegetation and Hydrology of the Bay-Delta Watershed	Regents of the University of California
ERP-02-P44		$280,890	9/30/2004 0:00	Full-Scale Demonstration of Agricultural Drainage Water Recycling Process Using Membrane Technology	WaterTech Partners
ERP-02D-C11	P0685579	$5,465,944	12/31/2012 0:00	Recovery Implementation for Riparian Brush Rabbit and Riparian Woodrat on the Lower Stanislaus River	U.S. Fish and Wildlife Service
ERP-02D-P52	P0685577	$356,400	10/15/2007 0:00	Big Break and Marsh Creek Water Quality and Habitat Restoration Program	State Coastal Conservancy
ERP-02D-P57	P0685523	$998,222	1/31/2007 0:00	Biological Assessment of Green Sturgeon in the Sacramento - San Joaquin Watershed	University of California, Davis
ERP-02D-P63	P0685528	$6,807,428	6/30/2008 0:00	Monitoring and Investigations of the San Joaquin River and Tributaries Related to Dissolved Oxygen	San Joaquin Valley Drainage Authority
ERP-02D-P68	P0685532	$1,840,791	9/14/2010 0:00	Arundo Eradication and Coordination, Phase II	Sonoma Ecology Center
ERP-04-S04		$2,430,000		Tuolumne River Restoration Monitoring	Turlock Irrigation District
ERP-04-S14	E0883007	$111,000	2/28/2012 0:00	Terrestrial Weed Eradication Monitoring Protocol	Sonoma Ecology Center
ERP-04D-S22	P0685628	$250,000	6/30/2010 0:00	San Joaquin River Fall-Run Chinook Salmon Population Model Refinement Project	California State University, Fresno Foundation
ERP-05D-S02	Internal # BDA001	$781,000		Data Collection for the San Joaquin Basin-wide Temperature Model	California Department of Fish and Game
ERP-05D-S04	P0685618	$373,351	6/30/2011 0:00	Development of a Comprehensive Central Valley Adult Chinook Salmon Escapement Monitoring Plan	Pacific States Marine Fisheries Commission
ERP-05D-S05	P0685619	$367,888	6/30/2010 0:00	Development of a Central Valley Steelhead Comprehensive Monitoring Plan	Pacific States Marine Fisheries Commission
ERP-05D-S10	BDA009-05	$260,000		Wetland Response to Modified Hydrology with Respect to Salinity Management	California Department of Fish and Game
ERP-06D-S20	P0685518	$716,052	12/31/2008 0:00	San Joaquin River Basin Water Temperature Modeling and Analysis	Tri-Dam Project
ERP-08D-S02	Internal	$79,838		Gasburg Creek Revegetation Project	California Department of Fish and Game
ERP-08D-S05	P0840012	$350,000	12/31/2012 0:00	Refine the fall-run chinook salmon population model	California State University, Fresno Foundation
ERP-09D-S04	E0920008	$4,565,725	6/30/2012 0:00	Patterson Irrigation District Fish Screen Construction Project	Patterson Irrigation District
ERP-10D-S05	E1183020	$2,600,000		West Stanislaus Irrigation District Fish Screen Intake Final Design Planning, Environmental Compliance and Permitting Project	Western Stanislaus Irrigation District
ERP-95-M06		$660,000	12/30/1998 0:00	Biologically Integrated Orchard System Almond Expansion Project	Community Alliance with Family Farmers
ERP-97-B04		$10,647,000	3/31/2002 0:00	San Joaquin River National Wildlife Refuge Riparian Habitat Protection and Floodplain Restoration Project - Phase I	U.S. Fish and Wildlife Service
ERP-97-B05		$334,000	9/30/2000 0:00	Feasibility Analysis for the San Joaquin-Bear Creek Floodplain Restoration Project, San Luis National Wildlife Refuge, Merced County	U.S. Fish and Wildlife Service
ERP-97-C08		$931,857	6/30/2002 0:00	San Joaquin River Real Time Water Quality Management Program	California Department of Water Resources
ERP-97-C09		$387,003	6/30/2002 0:00	San Joaquin River Drainage Fall-Run Chinook Salmon Genetic Baseline and Discrimination Evaluation	California Department of Fish and Game
ERP-97-C11		$250,975	12/31/2001 0:00	Spawning Gravel Introduction, Tuolumne River, La Grange	California Department of Fish and Game
ERP-97-M08		$2,253,100		Tuolumne River Channel Restoration (Pool 9)	Turlock Irrigation District
ERP-97-M09		$2,801,000	12/31/2004 0:00	Tuolumne River Setback: Dikes and Channel Restoration, Mining Reach 7/11 Segment	Turlock Irrigation District
ERP-97-N21		$536,410	3/15/2002 0:00	Knights Ferry Gravel Replenishment	Carl Mesick Consultants
ERP-98-B07		$1,589,000	12/31/2001 0:00	Evaluation of Selenium Sources, Levels, and Consequences in the Delta	U.S. Geological Survey
ERP-98-B14		$1,149,000	9/30/2002 0:00	Irrigation Drainage Water Treatment for Selenium Removal: Panoche Drainage District Demonstration Facility	University of California, Berkeley
ERP-98-B30		$3,000		San Joaquin Valley "Salmonids in the Classroom" Program Enhancement	California Department of Fish and Game
ERP-98-B32		$28,000		Conferences and Field Tours for Viable Solutions to the Agriculturally Impacted San Joaquin River Watershed Region	Committee for Sustainable Agriculture
ERP-98-B40		$55,255		Increase Public Awareness of the Riparian Habitat and Ecosysems of the Tuolumne River	City of Modesto
ERP-98-C04/C05		$830,500		Basso Bridge Ecological Reserve and Merced River Ranch Land Acquisitions	California Department of Fish and Game
ERP-98-C08		$500,000	11/30/2002 0:00	Algae Toxicity Study	Central Valley Regional Water Quality Control Board
ERP-98-C15		$241,000	10/31/2001 0:00	Biological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watersheds	University of California, Davis
ERP-98-E09		$300,000		Merced River Corridor Restoration Plan - Phase II	Stillwater Sciences
ERP-98-F06		$1,693,000	6/30/2004 0:00	Tuolumne River Floodway Emergency Repair and Long-Term Habitat Restoration Project (7/11)	Turlock Irrigation District
ERP-98-F07		$732,000	10/31/2007 0:00	Grayson River Ranch Perpetual Conservation Easement and Restoration	East Stanislaus Resource Conservation District
ERP-98-F11		$2,433,000		Merced River Salmon Habitat Enhancement - Phase III (Robinson Reach)	California Department of Water Resources
ERP-98-F21		$1,100,000	9/30/2002 0:00	Lower San Joaquin River Floodplain Protection and Restoration Project	U.S. Fish and Wildlife Service
ERP-99-B04		$125,000	4/30/2003 0:00	Preliminary Design and Engineering of Lower Western Stone Site, Merced River Salmon Habitat Enhancement Project (Phase IV)	California Department of Water Resources
ERP-99-B05		$1,584,002		Merced River Salmon Habitat Enhancement Project Phase II- Ratzlaff Reach Construction)	California Department of Water Resources
ERP-99-B14		$460,000	3/31/2003 0:00	Biological Agricultural Systems in Cotton-BASIC-Reducing Synthetic Pesticides & Fertilizers in the Northern San Joaquin Valley	Sustainable Cotton Project
ERP-99-B19		$37,860		Health Monitoring of Hatchery and Natural Fall-run Chinook Juveniles in the San Joaquin River and Delta	U.S. Fish and Wildlife Service
ERP-99-B25		$68,415		River Studies Center Exhibits and Programs	San Joaquin River Parkway and Conservation Trust
ERP-99-B29		$2,500,000	12/31/2001 0:00	Pilot Project to Benefit Riparian Vegetation Along the San Joaquin River	Friant Water Users Authority

ERP-99-B30		$3,000,000		Agreement for the Acquisition of Water Between the United States and the Oakdale and South San Joaquin Irrigation Districts	Oakdale & South San Joaquin Irrigation District
ERP-99-F01		$164,800	3/31/2006 0:00	Tuolumne River Special Run Pool 10 Restoration	U.S. Fish and Wildlife Service
ERP-99-F02		$3,332,050	3/31/2006 0:00	Tuolumne River Mining Reach Restoration (MJ Ruddy)	Turlock Irrigation District
ERP-99-F08		$201,306		Purple Loosestrife Prevention, Detection and Control Actions for the Sacramento-San Joaquin River Delta System and Associated Hydrological Units	California Department of Food and Agriculture
ERP-99-N06		$1,546,016	6/30/2003 0:00	Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	University of California, Davis
ERP-99-N11		$127,473	12/31/2003 0:00	Purple Loosestrife Prevention, Detection and Control Actions for the Sacramento - San Joaquin River Delta System and Associated Hydrological Units	California Department of Food and Agriculture
ERP-99-N11b		$49,865	12/31/2003 0:00	Purple Loosestrife Prevention, Detection and Control Actions for the Sacramento - San Joaquin River Delta System and Associated Hydrological Units	California Department of Food and Agriculture
ERP-99-N13		$74,951	11/30/2004 0:00	Development of a Comprehensive Implementation Plan for a Statistically-Designed Marking/Tagging and Recovery Program for Central Valley Hatchery-Produced Ch	California Department of Fish and Game
ERP-99-N13b		$74,249	1/31/2004 0:00	Development of a Staged Implementation Plan for Coordinated Marking of Chinook Salmon at Sacramento River System Hatcheries	California State University, Humboldt
ERP-99-R01		$1,545,000	3/31/2001 0:00	Acquisition of Floodplain Easements - Lower Tuolumne and San Joaquin Rivers	Natural Resources Conservation Service
	Total funding	**$108,479,556**			

ProjectType	TopicArea	ProjectStatus	ProposalYe	StartDate	OriginalEndDate	AmendedEndDate	County
Full-Scale Implementation	River Channel Restoration		2010				
Monitoring	Lowland Floodplains and Bypasses		2010				
Full-Scale Implementation	Lowland Floodplains and Bypasses		2010				
Monitoring	Lowland Floodplains and Bypasses		2010				
Monitoring	Lowland Floodplains and Bypasses		2010				
Pilot/Demonstration	River Channel Restoration		2001				Calaveras | Stanislaus | Tuolumne
Planning	Riparian Habitat | Lowland Floodplains and Bypasses	Closed	2001		9/30/2001 0:00	3/31/2005 0:00	Stanislaus
Planning	Local Watershed Stewardship	Closed	2001		9/30/2002 0:00		Stanislaus | Tuolumne
Research | Planning	Hydrodynamics, Sediment Transport, and Flow Regimes | Environmental Water Management	Closed	2001		9/30/2002 0:00	12/31/2003 0:00	Mariposa | Merced
Research	Harvestable Species Assessment	Ongoing	2001		9/30/2002 0:00	9/30/2005 0:00	Merced | San Joaquin | Stanislaus
Monitoring	Harvestable Species Assessment	Closed	2001				Merced | San Joaquin | Stanislaus
Research	Harvestable Species Assessment | River Channel Restoration	Closed	2001		9/30/2003 0:00	9/30/2003 0:00	Merced
Full-Scale Implementation | Acquis	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restorat	Ongoing	2001		12/31/2002 0:00	12/31/2005 0:00	Stanislaus
Research	At-Risk Species Assessment	Ongoing	2002		12/1/2005 0:00		Calaveras | Sacramento | San Joaquin | Stanislaus | Tehama |
Research	Hydrodynamics, Sediment Transport, and Flow Regimes | Environmental Water Management	Closed	2000	2/15/2001 0:00	7/31/2002 0:00	3/30/2003 0:00	Fresno | Madera | Mariposa | Merced | San Joaquin | Stanisla
Research | Monitoring	Ecosystem Water and Sediment Quality | Shallow Water and Marsh Habitat | Hydrodynamics, Sedi	Closed	1999	9/22/2000 0:00	9/30/2003 0:00	6/30/2004 0:00	Merced
Pilot/Demonstration | Monitoring	Ecosystem Water and Sediment Quality | Local Watershed Stewardship	Closed	1999	12/13/2000 0:00	1/31/2003 0:00	6/30/2005 0:00	Fresno | San Benito
Research | Planning	Local Watershed Stewardship	Closed	2000	11/8/2000 0:00	9/1/2002 0:00	11/1/2002 0:00	Merced | Stanislaus
Full-Scale Implementation | Acquis	Lowland Floodplains and Bypasses | River Channel Restoration	Closed	1999	7/10/2000 0:00	8/1/2003 0:00	11/1/2006 0:00	Stanislaus
Research	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes	Closed	1999	7/2/2001 0:00	12/31/2003 0:00	3/31/2006 0:00	Merced | Stanislaus
Full-Scale Implementation	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | Mine Remediation	Closed	2001	7/1/2001 0:00	6/30/2004 0:00		Merced
Research	Ecosystem Water and Sediment Quality	Terminated/C	2001	7/15/2001 0:00	6/14/2004 0:00		Contra Costa
Research	Ecosystem Water and Sediment Quality	Closed	2001		6/30/2004 0:00		Merced | San Joaquin | Stanislaus
Planning	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | Non-Native Invasive Sp	Closed	2001	11/15/2001 0:00	11/1/2004 0:00	6/30/2006 0:00	Stanislaus
Full-Scale Implementation | Monit	Riparian Habitat | Lowland Floodplains and Bypasses	Closed	2001	11/1/2001 0:00	9/1/2004 0:00	12/31/2006 0:00	Stanislaus
Full-Scale Implementation	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	2001	8/1/2001 0:00	8/31/2004 0:00	12/31/2007 0:00	Stanislaus
Acquisition	Riparian Habitat | At-Risk Species Assessment	Closed	2001	2/20/2002 0:00	7/31/2002 0:00	12/31/2006 0:00	San Joaquin | Stanislaus
Planning	Local Watershed Stewardship	Closed	2001	6/1/2001 0:00	5/16/2003 0:00	7/16/2004 0:00	Contra Costa
Research	Local Watershed Stewardship	Closed	2001	8/15/2001 0:00	8/15/2004 0:00		Glenn | Madera | Merced | Stanislaus | Tehama
Planning | Monitoring	Local Watershed Stewardship | Environmental Education | Hydrodynamics, Sediment Transport, ar	Closed	2001	7/3/2001 0:00	6/30/2003 0:00		Contra Costa
Full-Scale Implementation	Environmental Education | Upland Habitat and Wildlife Friendly Agriculture	Closed	2001	10/1/2001 0:00	8/1/2003 0:00		Alameda | Fresno | Madera | Napa | Santa Clara | Stanislaus
Full-Scale Implementation	Environmental Education	Closed	2001	9/20/2001 0:00	1/1/2004 0:00	6/30/2004 0:00	San Joaquin
Full-Scale Implementation	Local Watershed Stewardship | Environmental Education	Closed	2001	7/20/2001 0:00	7/31/2004 0:00	1/31/2005 0:00	Merced | Solano | Yolo
Research | Planning	Fish Screens | Fish Passage	Closed	2001	8/27/2001 0:00	6/30/2002 0:00	12/31/2002 0:00	Stanislaus
Research	Ecosystem Water and Sediment Quality	Closed	2001	8/17/2001 0:00		2/28/2003 0:00	Fresno | Madera | Merced | San Joaquin | Stanislaus
Research | Planning | Monitoring	Ecosystem Water and Sediment Quality | Hydrodynamics, Sediment Transport, and Flow Regimes	Closed	2001	5/4/2001 0:00	5/31/2002 0:00	2/28/2003 0:00	Fresno | Madera | Merced | San Joaquin | Stanislaus
Research | Planning | Monitoring	Ecosystem Water and Sediment Quality | Hydrodynamics, Sediment Transport, and Flow Regimes	Closed	2001	6/1/2001 0:00	5/31/2002 0:00	8/31/2002 0:00	Fresno | Madera | Merced | San Joaquin | Stanislaus
Full-Scale Implementation	Riparian Habitat | Lowland Floodplains and Bypasses	Terminated/C	2002				Stanislaus
Full-Scale Implementation	Local Watershed Stewardship | Environmental Education | Upland Habitat and Wildlife Friendly Ag	Closed	2002	1/1/2003 0:00	12/31/2005 0:00	6/30/2006 0:00	Butte | Colusa | Fresno | Glenn | Marin | Sacramento | Solan
Planning	Hydrodynamics, Sediment Transport, and Flow Regimes | Lowland Floodplains and Bypasses	Closed	2002	5/1/2003 0:00	4/30/2006 0:00	1/31/2007 0:00	Merced
Planning	Fish Screens	Closed	2002	9/15/2003 0:00	9/14/2004 0:00	2/12/2007 0:00	Stanislaus
Full-Scale Implementation | Acquis	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | Lowland Floodplains a	Terminated/C	2002				Stanislaus
Research	Hydrodynamics, Sediment Transport, and Flow Regimes | Environmental Water Management | At-	Closed	2002	5/1/2003 0:00	4/30/2006 0:00	10/31/2006 0:00	Calaveras | Sacramento | San Joaquin | Stanislaus | Tuolumne
Full-Scale Implementation	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	2002	7/1/2003 0:00	6/30/2006 0:00	12/31/2008 0:00	Stanislaus

Research	Hydrodynamics, Sediment Transport, and Flow Regimes	Closed	2002	11/1/2003 0:00	10/31/2006 0:00	2/29/2008 0:00	Alameda | Butte | Colusa | Contra Costa | Fresno | Glenn | M
Pilot/Demonstration	Ecosystem Water and Sediment Quality	Closed	2002	7/1/2003 0:00	6/30/2004 0:00	9/30/2004 0:00	Fresno
Full-Scale Implementation	Riparian Habitat | At-Risk Species Assessment	Ongoing	2002		11/30/2008 0:00	12/31/2012 0:00	San Joaquin | Stanislaus
Full-Scale Implementation | Planni	Ecosystem Water and Sediment Quality | Local Watershed Stewardship | Shallow Water and Marsh	Closed	2002		10/15/2006 0:00	10/15/2007 0:00	Contra Costa
Research	At-Risk Species Assessment	Closed	2002	10/1/2003 0:00	9/30/2005 0:00	1/31/2007 0:00	Colusa | Del Norte | Fresno | Glenn | Humboldt | Merced | Sa
Research	Ecosystem Water and Sediment Quality	Closed	2002	7/1/2004 0:00	6/30/2007 0:00	6/30/2008 0:00	Merced | San Joaquin | Stanislaus
Full-Scale Implementation	Riparian Habitat | Non-Native Invasive Species	Closed	2002		3/14/2008 0:00	9/14/2010 0:00	Butte | Fresno | Lake | Madera | Sacramento | Sutter
Monitoring	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | At-Risk Species Assess	Terminated/C	2004				Stanislaus
Monitoring	Riparian Habitat | Non-Native Invasive Species | Environmental Water Management	Closed	2004		2/28/2010 0:00	2/28/2012 0:00	Butte | Contra Costa | El Dorado | Merced | Napa | Sacramer
Research	Hydrodynamics, Sediment Transport, and Flow Regimes | At-Risk Species Assessment	Closed			6/30/2008 0:00	6/30/2010 0:00	Contra Costa | Fresno | Madera | Merced | Sacramento | San
Research | Monitoring	Environmental Water Management	Closed			6/30/2008 0:00		Calaveras | Mariposa | Merced | San Joaquin | Stanislaus | Tu
Planning | Monitoring	At-Risk Species Assessment	Closed			6/30/2008 0:00	6/30/2011 0:00	Various
Planning | Monitoring	At-Risk Species Assessment	Closed			6/30/2008 0:00	6/30/2010 0:00	Various
Research | Monitoring	Ecosystem Water and Sediment Quality | Shallow Water and Marsh Habitat	Closed			6/30/2009 0:00		Merced
Research | Full-Scale Implementati	Hydrodynamics, Sediment Transport, and Flow Regimes | At-Risk Species Assessment	Closed	2006		6/30/2008 0:00	12/31/2008 0:00	Merced | Stanislaus | Tuolumne
Full-Scale Implementation	Hydrodynamics, Sediment Transport, and Flow Regimes	Closed			6/30/2009 0:00		Stanislaus
Research	Hydrodynamics, Sediment Transport, and Flow Regimes | At-Risk Species Assessment	Ongoing			4/30/2011 0:00	12/31/2012 0:00	
Full-Scale Implementation	Fish Screens	Closed			6/30/2012 0:00	6/30/2012 0:00	Stanislaus
Planning	Riparian Habitat | Fish Screens | Lowland Floodplains and Bypasses	Ongoing			3/31/2015 0:00		
Full-Scale Implementation | Pilot/D	Ecosystem Water and Sediment Quality | Environmental Education | Upland Habitat and Wildlife F	Closed	1995		9/30/1998 0:00	12/30/1998 0:00	Colusa | Madera | San Joaquin
Planning | Monitoring | Acquisitior	Riparian Habitat | Lowland Floodplains and Bypasses	Closed	1997	3/11/1998 0:00	7/31/1998 0:00	3/31/2002 0:00	San Joaquin | Stanislaus
Research | Planning	Riparian Habitat | Lowland Floodplains and Bypasses | At-Risk Species Assessment	Closed	1997	3/9/1998 0:00	3/31/1999 0:00	9/30/2000 0:00	Merced
Monitoring	Ecosystem Water and Sediment Quality	Closed	1997	1/1/1999 0:00	12/31/2000 0:00	6/30/2002 0:00	Merced | San Joaquin | Stanislaus
Research | Monitoring	Harvestable Species Assessment | At-Risk Species Assessment	Closed	1997	1/11/1999 0:00	9/30/2001 0:00	6/30/2002 0:00	Merced | San Joaquin | Stanislaus
Full-Scale Implementation | Monit	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	1997	9/1/1998 0:00	12/31/2001 0:00	12/31/2001 0:00	Stanislaus
Full-Scale Implementation	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restorat	Closed	1997		2/28/1999 0:00		Stanislaus
Full-Scale Implementation	River Channel Restoration	Closed	1997	7/1/2000 0:00	12/31/2003 0:00	12/31/2004 0:00	Stanislaus
Research | Pilot/Demonstration | I	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	1997	9/16/1998 0:00	9/16/2001 0:00	3/15/2002 0:00	Calaveras | Stanislaus | Tuolumne
Research	Ecosystem Water and Sediment Quality | Estuary Foodweb Productivity	Closed	1997		6/30/2001 0:00	12/31/2001 0:00	Alameda | Contra Costa | Marin | Napa | Sacramento | San F
Research | Pilot/Demonstration | I	Ecosystem Water and Sediment Quality	Closed	1997		9/30/2001 0:00	9/30/2002 0:00	Fresno
Full-Scale Implementation	Local Watershed Stewardship | Environmental Education	Closed	1998	3/1/1999 0:00	12/31/2001 0:00		Fresno | Kern | Kings | Madera | Mariposa | Merced | Stanisl
Full-Scale Implementation	Ecosystem Water and Sediment Quality | Local Watershed Stewardship | Environmental Education	Closed	1998		12/31/2001 0:00		Stanislaus
Full-Scale Implementation	Environmental Education	Closed	1998	5/3/1999 0:00	12/31/2001 0:00		Stanislaus
Monitoring | Acquisition	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes	Closed	1997	9/1/1998 0:00	12/31/2000 0:00		Merced | Stanislaus
Research	Ecosystem Water and Sediment Quality	Closed	1998	9/1/1998 0:00	6/30/2001 0:00	11/30/2002 0:00	Fresno | Napa | Sacramento | San Joaquin | Sutter | Yolo
Research	At-Risk Species Assessment	Closed	1998	3/26/1999 0:00	1/31/2001 0:00	10/31/2001 0:00	Colusa | Contra Costa | Del Norte | Glenn | Humboldt | Merc
Research | Planning	Local Watershed Stewardship	Closed	1998		5/23/2001 0:00		Merced | Stanislaus
Full-Scale Implementation	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	1998		9/30/2001 0:00	6/30/2004 0:00	Stanislaus
Full-Scale Implementation | Monit	Riparian Habitat | Upland Habitat and Wildlife Friendly Agriculture | Lowland Floodplains and Bypa	Closed	1998	12/10/1998 0:00	6/30/2001 0:00	10/31/2007 0:00	Stanislaus
Full-Scale Implementation | Monit	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	1998	4/19/1999 0:00	9/30/2002 0:00		Merced
Acquisition	Lowland Floodplains and Bypasses	Closed	1998	5/10/1999 0:00	9/30/2000 0:00	9/30/2002 0:00	Stanislaus
Planning	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | Lowland Floodplains a	Closed	1999		12/31/2002 0:00	4/30/2003 0:00	Merced
Full-Scale Implementation	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | Fish Passage	Closed	1999	9/21/1999 0:00	3/30/2000 0:00		Merced
Full-Scale Implementation	Ecosystem Water and Sediment Quality | Local Watershed Stewardship	Closed	1999	7/31/2000 0:00	12/31/2001 0:00	3/31/2003 0:00	Madera | Merced
Research | Monitoring	Harvestable Species Assessment | At-Risk Species Assessment	Closed	1999	7/6/2000 0:00			Merced | San Joaquin | Solano
Full-Scale Implementation	Environmental Education	Closed	1999	1/3/2000 0:00	12/31/2002 0:00		Fresno | Madera
Pilot/Demonstration | Monitoring	Riparian Habitat | Environmental Water Management	Closed	1999	9/7/1999 0:00	6/30/2000 0:00	12/31/2001 0:00	Fresno | Madera

Full-Scale Implementation	Environmental Water Management	Closed	1999		9/30/1999 0:00		Calaveras | Stanislaus | Tuolumne
Full-Scale Implementation | Monit	Riparian Habitat | Hydrodynamics, Sediment Transport, and Flow Regimes | Fish Passage	Closed	1999	9/21/1999 0:00	3/30/2002 0:00	3/31/2006 0:00	Stanislaus
Full-Scale Implementation	Hydrodynamics, Sediment Transport, and Flow Regimes | River Channel Restoration	Closed	1999	4/11/1999 0:00	3/30/2002 0:00	3/31/2006 0:00	Stanislaus
Full-Scale Implementation | Planni	Non-Native Invasive Species	Closed	1999	1/7/2000 0:00	9/30/2002 0:00		Various
Research	Ecosystem Water and Sediment Quality | Hydrodynamics, Sediment Transport, and Flow Regimes	Closed	1999	1/18/2000 0:00	1/1/2003 0:00	6/30/2003 0:00	Amador | Calaveras | El Dorado | Sacramento | San Joaquin
Research | Full-Scale Implementati	Environmental Education | Non-Native Invasive Species	Closed	1999	10/12/1999 0:00	10/12/2002 0:00	12/31/2003 0:00	Various
Research | Full-Scale Implementati	Environmental Education | Non-Native Invasive Species	Closed	1999	7/1/2003 0:00	12/31/2003 0:00	12/31/2003 0:00	Various
Planning	Harvestable Species Assessment	Closed	1999	4/1/2000 0:00	1/1/2002 0:00	11/30/2004 0:00	Butte | Merced | Sacramento | San Joaquin | Shasta
Planning	Harvestable Species Assessment | At-Risk Species Assessment	Closed	1999	10/1/2002 0:00	9/30/2003 0:00	1/31/2004 0:00	Butte | Merced | Sacramento | San Joaquin | Shasta | Sonom
Acquisition	Lowland Floodplains and Bypasses	Closed	1999	7/27/1999 0:00	6/30/2000 0:00	3/31/2001 0:00	Stanislaus

Species	EcoSystemElement
Fall-run Chinook salmon | Central Valley steelhead	
Fall-run Chinook salmon | Central Valley steelhead	
Fall-run Chinook salmon | Central Valley steelhead	
Fall-run Chinook salmon | Central Valley steelhead	
Fall-run Chinook salmon | Central Valley steelhead	
Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	Coarse Sediment Supply | Natural Floodplain and Flood Processes | Predation and Competition | Riparian and Riv
Fall-run Chinook salmon | Central Valley steelhead | Aquatic habitat plant community | Seasonal wetland habitat plant community | Anad	Fresh Emergent Wetland | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Fres
Fall-run Chinook salmon | Anadromous salmonids	Central Valley Streamflows | Coarse Sediment Supply | Riparian and Riverine Aquatic Habitats | Essential Fish Hab
Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	Freshwater Fish Habitats
Fall-run Chinook salmon | Central Valley steelhead	Essential Fish Habitats
Fall-run Chinook salmon	Fish and Wildlife Harvest | Artificial Fish Propagation
Fall-run Chinook salmon | Anadromous salmonids	Freshwater Fish Habitats
Fall-run Chinook salmon | Aquatic habitat plant community | Non-native warmwater gamefish | Anadromous salmonids	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Gravel Mining
Central Valley steelhead | Anadromous salmonids	
Fall-run Chinook salmon | Potential applicability to all species | Anadromous salmonids	Central Valley Streamflows | Coarse Sediment Supply | Natural Floodplain and Flood Processes | Riparian and Riv
Migratory waterfowl | Seasonal wetland habitat plant community | Anadromous salmonids | Waterfowl and Shorebirds	Seasonal Wetlands | Central Valley Stream Temperatures
Delta smelt | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Migratory waterfowl | Planktonic (food	Central Valley Streamflows | Natural Floodplain and Flood Processes | Levees, Bridges and Bank Protection | Con
Sacramento splittail | Fall-run Chinook salmon | Central Valley steelhead | Valley elderberry longhorn beetle | Swainson's hawk | Greater	Coarse Sediment Supply | Natural Floodplain and Flood Processes | Predation and Competition | Riparian and Riv
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Central Valley steelhead | Western pond turtle | Nat	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Stream Meander | Central Valle
Sacramento splittail | Fall-run Chinook salmon | Central Valley steelhead | Swainson's hawk | Migratory waterfowl | Neotropical migrator	Central Valley Streamflows | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats
Fall-run Chinook salmon | Non-native warmwater gamefish | Anadromous salmonids	Coarse Sediment Supply | Predation and Competition | Riparian and Riverine Aquatic Habitats | Stream Meander
Delta smelt | Sacramento splittail | Migratory waterfowl | White sturgeon	
	Contaminants
Fall-run Chinook salmon | Aquatic habitat plant community | Non-native warmwater gamefish | Anadromous salmonids	Dams and Other Structures | Predation and Competition | Riparian and Riverine Aquatic Habitats | Stream Mean
Delta smelt | Green sturgeon | Fall-run Chinook salmon | Central Valley steelhead | Valley elderberry longhorn beetle | Swainson's hawk |	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Seasonal Wetlands | Freshwate
Fall-run Chinook salmon | Anadromous salmonids	Essential Fish Habitats | Contaminants
Central Valley steelhead | Riparian brush rabbit | Little willow flycatcher | Giant garter snake | Migratory waterfowl | Neotropical migrato	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Invasive Riparian Marsh Plants
Masons lilaeopsis | Delta tule pea | California red-legged frog | California tiger salamander | Migratory waterfowl | Neotropical migratory	Agricultural Lands | Natural Floodplain and Flood Processes | Freshwater Fish Habitats | Contaminants
Delta smelt | Green sturgeon | Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon |	Fresh Emergent Wetland | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Non
Delta smelt | Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Central Valley ste	Riparian and Riverine Aquatic Habitats | Tidal Perennial Aquatic Habitat | Contaminants
Fall-run Chinook salmon | Migratory waterfowl | Neotropical migratory birds | White sturgeon | Anadromous salmonids	Contaminants
Potential applicability to all species	Fresh Emergent Wetland | Bay-Delta Aquatic Foodweb | Delta Sloughs | Essential Fish Habitats | Non-native Wild
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Central Valley steelhead | Migratory waterfowl | Ne	Agricultural Lands | Contaminants
Sacramento splittail | Fall-run Chinook salmon | Central Valley steelhead | White sturgeon | Striped bass | American shad | Anadromous s	Water Diversions | Freshwater Fish Habitats
Delta smelt | Fall-run Chinook salmon | Native resident fishes | Planktonic (foodweb) organisms | Aquatic habitat plant community | Anad	romous salmonids | Waterfowl and Shorebirds
Delta smelt | Fall-run Chinook salmon | Native resident fishes | Planktonic (foodweb) organisms | Aquatic habitat plant community | Anad	Bay-Delta Hydrodynamics | Contaminants
Delta smelt | Fall-run Chinook salmon | Native resident fishes | Planktonic (foodweb) organisms | Aquatic habitat plant community | Anad	Bay-Delta Hydrodynamics | Water Diversions | Contaminants
Sacramento splittail | Fall-run Chinook salmon | Central Valley steelhead | Swainson's hawk | Western pond turtle	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats
o | Sonoma | Tehama | Yolo	Agricultural Lands
Fall-run Chinook salmon | Anadromous salmonids	Central Valley Streamflows | Coarse Sediment Supply | Dams and Other Structures | Natural Floodplain and Flood
Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Central Valley steelhead | Nati	Stranding | Water Diversions
Fall-run Chinook salmon | Anadromous salmonids	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Levees, Bridges and Bank Prote
Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	Central Valley Streamflows | Central Valley Stream Temperatures | Essential Fish Habitats
Fall-run Chinook salmon | Anadromous salmonids	Coarse Sediment Supply | Natural Floodplain and Flood Processes | Freshwater Fish Habitats | Essential Fish Habi

adera | Plumas | Sacramento | San Joaquin | Shasta | Stanislaus | Sutter | Tehama | Yolo	Bay-Delta Hydrodynamics
	Contaminants
Fall-run Chinook salmon | Central Valley steelhead | Riparian brush rabbit | Riparian woodrat | Waterfowl and Shorebirds	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Non-native Wildlife
Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | California black rail | Swainsor	Fresh Emergent Wetland | Natural Floodplain and Flood Processes | Contaminants | Disturbance
Green sturgeon	Freshwater Fish Habitats | Essential Fish Habitats
	Contaminants
	Riparian and Riverine Aquatic Habitats | Tidal Perennial Aquatic Habitat | Invasive Riparian Marsh Plants
Fall-run Chinook salmon	Coarse Sediment Supply | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Strea
to | San Joaquin | San Mateo | Solano | Yolo	Invasive Riparian Marsh Plants
Chinook | Steelhead	Bay-Delta Hydrodynamics | Essential Fish Habitats
Fall-run Chinook salmon | Anadromous salmonids	Riparian and Riverine Aquatic Habitats | Central Valley Stream Temperatures | Freshwater Fish Habitats
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Anadromous salmonids	Essential Fish Habitats | Fish and Wildlife Harvest
Central Valley steelhead	Essential Fish Habitats | Fish and Wildlife Harvest
Waterfowl and Shorebirds	Fresh Emergent Wetland | Seasonal Wetlands | Contaminants
Fall-run Chinook salmon | Central Valley steelhead	Central Valley Streamflows | Central Valley Stream Temperatures | Essential Fish Habitats
Fall-run Chinook salmon	
Sacramento splittail | Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	
	Agricultural Lands | Riparian and Riverine Aquatic Habitats | Water Diversions | Freshwater Fish Habitats | Essent
	Agricultural Lands | Contaminants
Sacramento splittail | Fall-run Chinook salmon | Valley elderberry longhorn beetle | Swainson's hawk | Riparian brush rabbit | Greater san	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Freshwater Fish Habitats | Esse
Sacramento splittail | Greater sandhill crane | Western yellow-billed cuckoo | Giant garter snake | Native resident fishes | Wading bird gu	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Freshwater Fish Habitats | Esse
Delta smelt | Longfin smelt | Green sturgeon | Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run C	Central Valley Streamflows | Central Valley Stream Temperatures | Contaminants
Fall-run Chinook salmon	Fish and Wildlife Harvest | Artificial Fish Propagation
Fall-run Chinook salmon | Native resident fishes | Anadromous salmonids	Riparian and Riverine Aquatic Habitats | Freshwater Fish Habitats | Essential Fish Habitats
Fall-run Chinook salmon | Aquatic habitat plant community | Anadromous salmonids	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Gravel Mining
Fall-run Chinook salmon | Aquatic habitat plant community | Anadromous salmonids	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Gravel Mining
Fall-run Chinook salmon	Central Valley Streamflows | Coarse Sediment Supply | Dams and Other Structures | Freshwater Fish Habitats | E
Green sturgeon | Planktonic (foodweb) organisms | White sturgeon | Striped bass	Bay-Delta Aquatic Foodweb | Contaminants
	Agricultural Lands | Riparian and Riverine Aquatic Habitats | Freshwater Fish Habitats | Contaminants
Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	
Sacramento splittail | Fall-run Chinook salmon | Migratory waterfowl | Neotropical migratory birds | Aquatic habitat plant community	Agricultural Lands | Central Valley Streamflows | Riparian and Riverine Aquatic Habitats | Central Valley Stream T
Fall-run Chinook salmon | Swainson's hawk | Riparian brush rabbit | Greater sandhill crane | Western yellow-billed cuckoo | Migratory wa	Riparian and Riverine Aquatic Habitats | Freshwater Fish Habitats | Essential Fish Habitats
Fall-run Chinook salmon | Central Valley steelhead | Lamprey family | Native resident fishes | Aquatic habitat plant community | Seasonal	Coarse Sediment Supply | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Esser
Delta smelt | Longfin smelt | Green sturgeon | Sacramento splittail	Contaminants
Green sturgeon | White sturgeon	Bay-Delta Aquatic Foodweb | Central Valley Stream Temperatures | Freshwater Fish Habitats | Essential Fish Hab
Fall-run Chinook salmon | Migratory waterfowl | Neotropical migratory birds | Aquatic habitat plant community | Anadromous salmonids	Coarse Sediment Supply | Natural Floodplain and Flood Processes | Predation and Competition | Riparian and Riv
Fall-run Chinook salmon | Aquatic habitat plant community | Anadromous salmonids	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Gravel Mining
Fall-run Chinook salmon | Central Valley steelhead | Valley elderberry longhorn beetle | Swainson's hawk | Riparian brush rabbit | Wester	Agricultural Lands | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Essential Fi
Fall-run Chinook salmon | Aquatic habitat plant community | Seasonal wetland habitat plant community	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Freshwater Fish Habitats | Esse
Spring-run Chinook salmon | Fall-run Chinook salmon | Valley elderberry longhorn beetle | Swainson's hawk | Riparian brush rabbit | San	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Seasonal Wetlands
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Aquatic habitat plant community | Anadromous saln	Predation and Competition | Riparian and Riverine Aquatic Habitats | Stranding | Freshwater Fish Habitats
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Aquatic habitat plant community | Anadromous saln	Dams and Other Structures | Predation and Competition | Riparian and Riverine Aquatic Habitats | Stream Meanc
Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Giant garter snake | California	Agricultural Lands | Contaminants
Fall-run Chinook salmon	Central Valley Stream Temperatures | Contaminants | Fish and Wildlife Harvest | Artificial Fish Propagation
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon	
	Central Valley Streamflows | Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Fr

	Central Valley Streamflows
Fall-run Chinook salmon | Aquatic habitat plant community | Non-native warmwater gamefish | Anadromous salmonids	Riparian and Riverine Aquatic Habitats | Gravel Mining
Fall-run Chinook salmon | Aquatic habitat plant community | Anadromous salmonids	Natural Floodplain and Flood Processes | Riparian and Riverine Aquatic Habitats | Gravel Mining
Delta smelt | Longfin smelt | Green sturgeon | Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run C	Fresh Emergent Wetland | Riparian and Riverine Aquatic Habitats | Invasive Riparian Marsh Plants
Green sturgeon | Sacramento splittail | Fall-run Chinook salmon | Central Valley steelhead | Swainson's hawk | Greater sandhill crane | W	Central Valley Streamflows | Bay-Delta Aquatic Foodweb
Delta smelt | Longfin smelt | Green sturgeon | Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run C	Agricultural Lands | Fresh Emergent Wetland | Midchannel Islands and Shoals | Natural Floodplain and Flood Pro
Delta smelt | Longfin smelt | Green sturgeon | Sacramento splittail | Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run C	Agricultural Lands | Fresh Emergent Wetland | Midchannel Islands and Shoals | Natural Floodplain and Flood Pro
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	Artificial Fish Propagation
Winter-run Chinook salmon | Spring-run Chinook salmon | Fall-run Chinook salmon | Central Valley steelhead | Anadromous salmonids	Fish and Wildlife Harvest | Artificial Fish Propagation
Fall-run Chinook salmon | Central Valley steelhead | Valley elderberry longhorn beetle | Riparian brush rabbit | Western yellow-billed cucl	Riparian and Riverine Aquatic Habitats

WaterQualityConstituent	TotalFundingAmount	
	95400	
	123569	
	295220	
	55057	
	200000	
Turbidity and Sedimentation	672610	
hwater Fish Habitats | Essential Fish Habitats	57465	
itats	62000	
Nutrients and Oxygen Depleting Substances	45000	
	45262	
Toxicity of Unknown Origin and Contaminants	40890	
	26319	
	518670	
	158756	
Turbidity and Sedimentation	295925	
Salinity	652330	
Selenium | Turbidity and Sedimentation	848000	
Mercury | Turbidity and Sedimentation | Other	272912	
y Stream Temperatures	1984320	
	230376	
| Central Valley Stream Temperatures	1699101	
	115000	
Nutrients and Oxygen Depleting Substances	276000	
ler	543530	
r Fish Habitats | Essential Fish Habitats | Levees, Bridges and Bank Protection | Fish and Wildlife H	7646233	
Nutrients and Oxygen Depleting Substances | Turbidity and Sedimentation	910486	
	2720085	
Nutrients and Oxygen Depleting Substances | Turbidity and Sedimentation	198450	
Other	502100	
Mercury | Turbidity and Sedimentation	126000	
Nutrients and Oxygen Depleting Substances | Persistent Organic Contaminants | Turbidity and Sec	48500	
Other	306291	
Turbidity and Sedimentation | Pesticides	1066593	
	175000	
	1645000	
Nutrients and Oxygen Depleting Substances	158000	
Nutrients and Oxygen Depleting Substances | Organic Carbon and Disinfection Byproduct Precursc	100000	
	706649	
	1497500	
Mercury | Turbidity and Sedimentation	2192515	
	611000	
Mercury	0	
Nutrients and Oxygen Depleting Substances	661902	
Turbidity and Sedimentation	4350000	

	562924	
Selenium | Salinity | Other	280890	
	5465944	
Mercury | Turbidity and Sedimentation	356400	
	998222	
Nutrients and Oxygen Depleting Substances | Organic Carbon and Disinfection Byproduct Precurso	6807428	
Turbidity and Sedimentation	1840791	
m Meander | Freshwater Fish Habitats | Essential Fish Habitats	2430000	
	111000	
	250000	
Other	781000	
	373351	
	367888	
Salinity | Other	260000	
Nutrients and Oxygen Depleting Substances	716051.84	
	79838	
	350000	
	4565725	
ial Fish Habitats | Fish and Wildlife Harvest	2600000	
Pesticides	660000	
ntial Fish Habitats | Levees, Bridges and Bank Protection	10647000	
ntial Fish Habitats	334000	
Salinity	931857	
	387003	
	250975	
	2253100	
	2801000	
Nutrients and Oxygen Depleting Substances | Turbidity and Sedimentation	536410	
Selenium	1589000	
Nutrients and Oxygen Depleting Substances | Selenium	1149000	
	3000	
Persistent Organic Contaminants | Turbidity and Sedimentation | Pesticides | Other	28000	
	55255	
ntial Fish Habitats	830500	
Toxicity of Unknown Origin and Contaminants	500000	
Nutrients and Oxygen Depleting Substances	241000	
Turbidity and Sedimentation | Other	300000	
	1693000	
Turbidity and Sedimentation | Other	732000	
ntial Fish Habitats | Fish and Wildlife Harvest	2433000	
Other	1100000	
	125000	
Turbidity and Sedimentation	1584002	
Nutrients and Oxygen Depleting Substances | Pesticides	460000	
	37860	
	68415	
eshwater Fish Habitats	2500000	

	3000000	
	164800	
	3332050	
	201306	
	1546016	
Other	127473	
Other	49865	
	74951	
	74249	
	1545000	