

\$231,642,431 already spent or committed for CALFED ERP projects between 1998 to 2013, for DELTA area only according to the projects listed at <https://nrm.dfg.ca.gov/ERP/projects.aspx>

ERPNumber	DFGContract	TotalFundingAm	OriginalEndDate	AmendedEndDate	ProjectName	Recipient
CVPIA-01-F06		\$641,362	9/30/2003 0:00	6/30/2005 0:00	Biological Assessment of Green sturgeon in the Sacramento-San Joaquin Watershed	University of California, Davis
CVPIA-01-F10		\$40,890			Health Monitoring of Hatchery and Natural Fall-Run Chinook Juveniles	U.S. Fish and Wildlife Service
CVPIA-01-F12		\$314,677	9/30/2003 0:00	6/30/2006 0:00	Lower Calaveras River Chinook Salmon and Steelhead Life History Limiting Factors Analysis	Fishery Foundation of California
CVPIA-01-F13		\$2,271,463	4/1/2003 0:00		Fish Treadmill-Developed Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fishes	University of California, Davis
CVPIA-02-V01		\$158,756	12/1/2005 0:00		Distribution and Relationship of Resident and Anadromous Central Valley Rainbow Trout	California Department of Fish and Game
ERP-00-B03		\$559,446	10/31/2002 0:00	10/31/2003 0:00	Culture of Delta Smelt Phase II & III	University of California, Davis
ERP-00-B06		\$205,013	10/31/2001 0:00	5/31/2002 0:00	Biological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watershed (Phase II)	University of California, Davis
ERP-00-F02		\$131,980	9/30/2002 0:00	9/30/2004 0:00	Canal Ranch Habitat Restoration Project Phase II	California Department of Fish and Game
ERP-00-F06		\$2,701,735	9/30/2003 0:00	9/30/2007 0:00	Liberty Island Acquisition	U.S. Fish and Wildlife Service
ERP-00-F07		\$355,000	12/31/2003 0:00	12/31/2007 0:00	McCormack-Williamson Tract Restoration Planning, Design and Monitoring	California Department of Water Resources
ERP-00-F08		\$556,200	8/1/2003 0:00		McCormack-Williamson Tract Restoration Planning, Design and Monitoring Program I	University of California, Davis
ERP-00-F10		\$375,877	10/31/2003 0:00	3/31/2007 0:00	Determining the Biological, Physical and Chemical Characteristics of Ballast Water Arriving in San Francisco Bay	California State University, San Francisco
ERP-00-G01		\$100,000	10/30/2004 0:00	12/31/2006 0:00	Dissolved Organic Carbon Release From Delta Wetlands, Part I (Compositional Characteristics): Part II (Fluxes and Load	U.S. Geological Survey
ERP-01-C01	P0685584	\$1,793,661	3/31/2004 0:00	10/31/2006 0:00	Invasive Spartina Project	State Coastal Conservancy
ERP-01-C05		\$1,218,105	6/30/2003 0:00	6/30/2005 0:00	Feasibility Study of the Ecosystem and Water Quality Benefits Associated with the Restoration of Franks Tract, Big Brea	California Department of Water Resources
ERP-01-C06		\$1,367,684	6/14/2004 0:00	6/14/2005 0:00	Sedimentation in the Delta and Suisun Bay	U.S. Geological Survey
ERP-01-C07	N/A Not Trar	\$2,600,000	6/14/2004 0:00	6/14/2005 0:00	Transport, Transformation and Effects of Selenium and Carbon in the Delta of the Sacramento-San Joaquin Rivers: Impl	U.S. Geological Survey
ERP-01-C61-1-D		\$120,000	1/31/2003 0:00		Directed Action for Dissolved Oxygen	California Department of Water Resources
ERP-01-C61-2-D		\$583,702	1/31/2003 0:00	12/31/2004 0:00	Directed Action for Sources and Causes of Oxygen Demand from Algal Biomass in the San Joaquin River Deep Water Sh	California Department of Water Resources
ERP-01-C61-3-D		\$50,000	1/31/2003 0:00	6/30/2006 0:00	Directed Action for Dissolved Oxygen, IEP Data Management	California Department of Water Resources
ERP-01-N01		\$2,341,090	12/31/2004 0:00	6/30/2006 0:00	The Influence of Flood Regimes, Vegetative and Geomorphic Structures on the Links between Aquatic & Terrestrial Syste	University of California, Davis
ERP-01-N10	P0685593	\$3,044,342	3/31/2004 0:00	9/30/2007 0:00	Cosumnes/Mokelumne Corridor Floodplain Acquisitions, Management and Restoration Planning	The Nature Conservancy
ERP-01-N12	P0685595	\$284,142	4/30/2004 0:00	12/31/2006 0:00	Yolo Bypass Management Strategy, Phase II	Yolo Basin Foundation
ERP-01-N13	P0685596	\$928,150	7/1/2004 0:00	9/30/2006 0:00	Phase II: Demonstration Project for the Protection and Enhancement of Delta In-Channel Islands (Construction & Monit	Association of Bay Area Governments
ERP-01-N15		\$744,148			Fay Island Restoration Project, Phase I	California Department of Fish and Game
ERP-01-N21		\$60,000	9/30/2002 0:00	1/31/2003 0:00	Large-Scale Pilot Demonstration of Passivation Technology for Restoration of Newton Copper Mine	University of Nevada
ERP-01-N22	P0685570	\$530,000		6/30/2007 0:00	Rainbow Trout Toxicity Monitoring: An Evaluation of the Role of Contaminants on Anadromous Salmonids	Central Valley Regional Water Quality Control Board
ERP-01-N23		\$35,110,873	1/31/2004 0:00	1/31/2006 0:00	Staten Island Acquisition	The Nature Conservancy
ERP-01-N29		\$198,450	5/16/2003 0:00	7/16/2004 0:00	Kirker Creek Coordinated Resource Management & Planning Program	Contra Costa RCD
ERP-01-N30		\$502,100	8/15/2004 0:00		Digital Soil Survey Mapping and Digital Orthophotoquad Imagery Development	Natural Resources Conservation Service
ERP-01-N32		\$126,000	6/30/2003 0:00		Marsh Creek Watershed Stewardship	Natural Heritage Institute
ERP-01-N38		\$306,291	1/1/2004 0:00	6/30/2004 0:00	Delta Studies Program: San Joaquin County Schools	San Joaquin County Office of Education
ERP-01-N40		\$197,987	8/1/2004 0:00	8/1/2005 0:00	Discover the Flyway II	Yolo Basin Foundation
ERP-01-N42		\$1,066,593	7/31/2004 0:00	1/31/2005 0:00	Educating Farmers and Landowners in Biological Resource Management	Community Alliance with Family Farmers
ERP-01-N48		\$210,000	1/15/2003 0:00	1/15/2004 0:00	Juvenile Salmon Migratory Behavior Study in the North Central and South Delta	Natural Resource Scientists, Inc.
ERP-01-N50	N/A Not Trar	\$576,422	6/30/2004 0:00	3/31/2005 0:00	Food Resources for Zooplankton in the Sacramento-San Joaquin River Delta	University of California, Davis
ERP-01-N52		\$1,800,000	10/31/2004 0:00		Sacramento River Fish Small Screen Project Vertical River Pump Diversions	Family Water Alliance
ERP-01-N57		\$680,000	1/1/2002 0:00	2/28/2002 0:00	Lower Mokelumne River Restoration Program - Phase 2	Woodbridge Irrigation District
ERP-01-N59		\$670,000	1/31/2005 0:00	1/31/2006 0:00	Stockton East Water District and Calaveras County Water District Fish Screen Facilities - Calaveras River	Stockton East Water 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	5/31/2002 0:00	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	5/31/2002 0:00	8/31/2002 0:00	San Joaquin River Dissolved Oxygen Depletion Control Project: San Joaquin River Diversion Data Assimilation, Drainage	G. Fred Lee and Associates
ERP-01-N61-03		\$75,000	5/31/2002 0:00		San Joaquin River Dissolved Oxygen Depletion Control Project: City of Stockton Water Quality Sampling	G. Fred Lee and Associates City of Stockton
ERP-01-N61-04		\$112,000	5/31/2002 0:00	8/31/2002 0:00	San Joaquin River Dissolved Oxygen Depletion Control Project: Sediment Rates and Associated Oxygen Demand	G. Fred Lee and Associates

ProjectType	TopicArea	ProjectStatus	ProposalYear	TotalFunding	County
Research Pilot/Demonstration	At-Risk Species Assessment	Closed	2001	641362	Del Norte Humboldt Marin Sacramento Solano Yolo
Monitoring	Harvestable Species Assessment	Closed	2001	40890	Merced San Joaquin Stanislaus
Research Monitoring	Harvestable Species Assessment At-Risk Species Assessment	Ongoing	2001	314677	Calaveras San Joaquin
Research	Fish Screens At-Risk Species Assessment Fish Passage	Ongoing	2001	2271463	Yolo
Research	At-Risk Species Assessment	Ongoing	2002	158756	Calaveras Sacramento San Joaquin Stanislaus Tehama Tuolumne Yuba
Research	At-Risk Species Assessment	Closed	1999	559446	Alameda Contra Costa Sacramento San Joaquin Yolo
Research Planning Monitoring	At-Risk Species Assessment	Closed	1999	205013	Contra Costa Marin Sacramento Solano Sutter Yolo Yuba
Planning	Shallow Water and Marsh Habitat	Terminated/Cancelled	2000	131980	San Joaquin
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Closed	2000	2701735	Yolo
Planning Monitoring	Shallow Water and Marsh Habitat Lowland Floodplains	Closed	1999	355000	Sacramento
Research Planning	Riparian Habitat Shallow Water and Marsh Habitat	Closed	2000	556200	Sacramento San Joaquin
Research	Non-Native Invasive Species	Closed	1999	375877	Alameda Contra Costa Marin Sacramento San Francisco San Joaquin San Mateo Solar
Research	Ecosystem Water and Sediment Quality Shallow Water	Closed	2000	100000	Contra Costa Sacramento
Research Pilot/Demonstration	Shallow Water and Marsh Habitat Non-Native Invasive Species	Closed	2001	1793661	Alameda Contra Costa Marin Napa Sacramento San Francisco San Mateo Santa Clara
Planning	Shallow Water and Marsh Habitat Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	1218105	Contra Costa Sacramento
Monitoring	Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	1367684	Contra Costa Sacramento San Joaquin Solano Yolo
Research	Ecosystem Water and Sediment Quality Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	2600000	Contra Costa Sacramento San Joaquin
Research	Ecosystem Water and Sediment Quality Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	120000	San Joaquin
Monitoring	Ecosystem Water and Sediment Quality	Closed	2001	583702	San Joaquin
Monitoring	Ecosystem Water and Sediment Quality	Closed	2001	50000	San Joaquin
Research	Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	2341090	Sacramento
Planning Acquisition	Riparian Habitat Upland Habitat and Wildlife Friendly Agriculture	Closed	2001	3044342	Sacramento San Joaquin
Research Planning	Local Watershed Stewardship Lowland Floodplains	Closed	2001	284142	Yolo
Pilot/Demonstration	Shallow Water and Marsh Habitat Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	928150	Contra Costa San Joaquin
Planning Acquisition	Shallow Water and Marsh Habitat	Terminated/Cancelled	2001	744148	
Pilot/Demonstration	Ecosystem Water and Sediment Quality Mine Remediation	Closed	2001	60000	Amador
Monitoring	Ecosystem Water and Sediment Quality At-Risk Species Assessment	Closed	2001	530000	Butte Colusa Glenn Nevada Placer Sacramento Shasta Solano Sutter Tehama Yolo
Acquisition	Upland Habitat and Wildlife Friendly Agriculture	Closed	2001	35110873	San Joaquin
Planning	Local Watershed Stewardship	Closed	2001	198450	Contra Costa
Research	Local Watershed Stewardship	Closed	2001	502100	Glenn Madera Merced Stanislaus Tehama
Planning Monitoring	Local Watershed Stewardship Environmental Education	Closed	2001	126000	Contra Costa
Full-Scale Implementation	Environmental Education	Closed	2001	306291	San Joaquin
Full-Scale Implementation	Environmental Education	Closed	2001	197987	Yolo
Full-Scale Implementation	Local Watershed Stewardship Environmental Education	Closed	2001	1066593	Merced Solano Yolo
Research	Harvestable Species Assessment At-Risk Species Assessment	Closed	2001	210000	Alameda Contra Costa Sacramento San Joaquin Solano Yolo
Research	Harvestable Species Assessment Estuary Foodweb	Closed	2001	576422	Contra Costa Sacramento San Joaquin Solano Stanislaus Yolo
Pilot/Demonstration	Fish Screens Fish Passage	Closed	2001	1800000	Colusa Sutter Yolo
Planning	Fish Screens Fish Passage	Closed	2001	680000	San Joaquin
Planning	Fish Screens Fish Passage	Closed	2001	670000	Calaveras San Joaquin Stanislaus
Research	Ecosystem Water and Sediment Quality	Closed	2001	1645000	Fresno Madera Merced San Joaquin Stanislaus
Research Planning Monitoring	Ecosystem Water and Sediment Quality Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	158000	Fresno Madera Merced San Joaquin Stanislaus
Research Planning Monitoring	Ecosystem Water and Sediment Quality Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	100000	Fresno Madera Merced San Joaquin Stanislaus
Research Planning Monitoring	Ecosystem Water and Sediment Quality Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	75000	San Joaquin
Research Monitoring	Ecosystem Water and Sediment Quality Hydrodynamics, Sediment Transport, and Flow Regime	Closed	2001	112000	San Joaquin

Species
Green sturgeon White sturgeon
Fall-run Chinook salmon
Winter-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Central Valley steelhead Anadromous salmonids
Delta smelt
Green sturgeon
Delta smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Swainson's hawk
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Masons
Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Native resident fishes Planktonic (foodweb) o
Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Native resident fishes Planktonic (foodweb) o
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Planktonic (foodweb) organisms Tidal brackish and freshwater marsh habitat Potential applicability to all species
Winter-run Chinook salmon Soft birds-beak California clapper rail Salt marsh harvest mouse Migratory waterfowl Aquatic habitat plant community
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Potential applicability to all species
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Native resident fishes Migratory
Delta smelt Fall-run Chinook salmon Native resident fishes Anadromous salmonids
Green sturgeon Sacramento splittail Fall-run Chinook salmon Central Valley steelhead Greater sandhill crane Giant garter snake Migratory waterf
Delta smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley st
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Delta smelt Longfin smelt Green sturgeon Sacramento splittail California black rail Delta tule pea Delta mudwort
California red-legged frog Western pond turtle Migratory waterfowl Neotropical migratory birds Waterfowl and Shorebirds
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Swainson's hawk Greater sandhill crane Giant garter snake Western pond turtle Migratory waterfowl Neotropical migratory birds Tidal brackish a
Masons lilaepsis Delta tule pea California red-legged frog California tiger salamander Migratory waterfowl Neotropical migratory birds Aquatic h
Delta smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley st
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Califorr
Potential applicability to all species
Delta smelt Green sturgeon Sacramento splittail Fall-run Chinook salmon Swainson's hawk Greater sandhill crane Giant garter snake Migratory v
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Migratory waterfowl Neotropical migrato
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Delta smelt Sacramento splittail Planktonic (foodweb) organisms Striped bass Anadromous salmonids
Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmoni
Fall-run Chinook salmon Central Valley steelhead Aquatic habitat plant community Striped bass Anadromous salmonids
Fall-run Chinook salmon Anadromous salmonids
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EcoSystemElement
Essential Fish Habitats
Fish and Wildlife Harvest Artificial Fish Propagation
Central Valley Streamflows Dams and Other Structures Riparian and Riverine Aquatic Habitats Central Valley Stream Temperatures Freshwater Fish Habitats Essential Fish Habitats
Dams and Other Structures Water Diversions
Predation and Competition Bay-Delta Aquatic Foodweb Fish and Wildlife Harvest Artificial Fish Propagation
Bay-Delta Aquatic Foodweb Freshwater Fish Habitats Essential Fish Habitats
Agricultural Lands Seasonal Wetlands
Bay-Delta Hydrodynamics Fresh Emergent Wetland Riparian and Riverine Aquatic Habitats Seasonal Wetlands Stranding Tidal Perennial Aquatic Habitat Water Diversions Bay-Delta Aquatic Foodweb
Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb
Agricultural Lands Bay-Delta Hydrodynamics Fresh Emergent Wetland Natural Floodplain and Flood Processes Predation and Competition Riparian and Riverine Aquatic Habitats Seasonal Wetlands
Invasive Aquatic Organisms Tidal Perennial Aquatic Habitat
Bay-Delta Aquatic Foodweb Contaminants
Saline Emergent Wetland Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Invasive Riparian Marsh Plants
Fresh Emergent Wetland Tidal Perennial Aquatic Habitat Levees, Bridges and Bank Protection Invasive Aquatic Plants
Essential Fish Habitats
Bay-Delta Hydrodynamics Bay-Delta Aquatic Foodweb Contaminants
Bay-Delta Hydrodynamics Contaminants
Contaminants
Contaminants
Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Bay-Delta Aquatic Foodweb
Agricultural Lands Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands
Agricultural Lands Natural Floodplain and Flood Processes Seasonal Wetlands
Midchannel Islands and Shoals Tidal Perennial Aquatic Habitat Disturbance
Fresh Emergent Wetland
Contaminants
Bay-Delta Aquatic Foodweb Contaminants
Agricultural Lands Fresh Emergent Wetland Midchannel Islands and Shoals
Agricultural Lands Natural Floodplain and Flood Processes Freshwater Fish Habitats Contaminants
Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Nontidal Perennial Aquatic Habitat Freshwater Fish Habitats Perennial Grassland Levees, Bridges and Bank Protection
Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Contaminants
Fresh Emergent Wetland Bay-Delta Aquatic Foodweb Delta Sloughs Essential Fish Habitats Non-native Wildlife
Natural Floodplain and Flood Processes Seasonal Wetlands Essential Fish Habitats Contaminants
Agricultural Lands Contaminants
Bay-Delta Hydrodynamics Freshwater Fish Habitats Essential Fish Habitats
Invasive Aquatic Organisms Bay-Delta Aquatic Foodweb
Water Diversions
Dams and Other Structures Predation and Competition Riparian and Riverine Aquatic Habitats Water Diversions Freshwater Fish Habitats Essential Fish Habitats
Dams and Other Structures Water Diversions
Islands Waterfowl and Shorebirds
Bay-Delta Hydrodynamics Contaminants
Bay-Delta Hydrodynamics Water Diversions Contaminants
Bay-Delta Hydrodynamics Contaminants
Bay-Delta Hydrodynamics Contaminants Disturbance

WaterQualityConstituent																					
Toxicity of Unknown Origin and Contaminants																					
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Turbidity and Sedimentation																					
Organic Carbon and Disinfection Byproduct Precursors																					
Salinity																					
Turbidity and Sedimentation																					
Selenium Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors																					
Nutrients and Oxygen Depleting Substances																					
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ERP-01-N61-05		\$125,000	5/31/2002 0:00	12/31/2002 0:00	San Joaquin River Dissolved Oxygen Depletion Control Project: Aeration Technology	G. Fred Lee and Associates
ERP-01-N61-06		\$74,000	5/31/2002 0:00	8/31/2002 0:00	San Joaquin River Dissolved Oxygen Depletion Control Project: Downstream Tidal Exchange and Residence Time in the	G. Fred Lee and Associates
ERP-01D-C19		\$421,791	6/30/2006 0:00		Research, Outreach, and Education on Fish Contamination in the Sacramento-San Joaquin Delta Watershed, Phase 2	Department of Health Services
ERP-02-C03-D		\$400,000	12/31/2003 0:00	9/30/2005 0:00	Mine Remediation Assessment and Field Investigations of the Middle Yuba River and other Watersheds	California Department of Conservation
ERP-02-C04-D		\$500,257	6/1/2005 0:00	6/1/2006 0:00	Two-Dimensional Detailed Hydraulic Model for Determining Flood Conveyance Impacts of Ecosystem Restoration Proje	California Department of Water Resources
ERP-02-C07-D	P0685585	\$23,550,000	12/31/2006 0:00		Dutch Slough Tidal Marsh Restoration Project (Phase I)	California Department of Water Resources
ERP-02-C08		\$300,000	6/3/2003 0:00	6/30/2006 0:00	Restoration of Eastern Delta Floodplain Habitats on Grizzly Slough in the Cosumnes River Watershed - Phase I	California Department of Water Resources
ERP-02-C10		\$767,135			Investigating in situ Low Intensity Chemical Dosing to decrease Delta waters DOC concentrations and DBP Precursors w	U.S. Geological Survey
ERP-02-P02		\$2,000,000	7/14/2004 0:00		Upper Cosumnes River Watershed Conservation Project	American River Conservancy
ERP-02-P03-D	P0685587	\$1,500,000	11/2/2006 0:00	6/30/2013 0:00	Dutch Slough Restoration Project	State Coastal Conservancy
ERP-02-P08	P0685540	\$1,507,459	6/30/2006 0:00	6/30/2007 0:00	Staten Island Wildlife-Friendly Farming Demonstration	Ducks Unlimited
ERP-02-P12	P0685544	\$1,800,000	3/30/2006 0:00	12/30/2006 0:00	Sustainable Restoration Technologies for Bay/Delta Tidal Marsh and Riparian Habitat	Hart Restoration, Inc.
ERP-02-P18	P0685550	\$327,937	10/31/2005 0:00	12/31/2006 0:00	Life History of Egeria Densa in the Delta: Factors Controlling Production and Fragment Viability	Portland State University
ERP-02-P19	P0685551	\$509,222	7/1/2006 0:00	6/30/2007 0:00	Determining the Mechanisms Relating Freshwater Flow and Abundance of Estuarine Biota (the "Fish-X2" relationships)	California State University, San Francisco
ERP-02-P20	P0685552	\$859,405	7/31/2006 0:00	1/31/2007 0:00	Restoration and Monitoring of Riparian Habitat Corridors Along The Lower Mokelumne River	San Joaquin County RCD
ERP-02-P21	P0685553	\$246,370	6/30/2006 0:00	2/28/2012 0:00	Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Solano Land Trust
ERP-02-P22	P0685554	\$616,605	9/30/2006 0:00	5/31/2007 0:00	Shallow Open Water Habitats: Hydrodynamics and Benthic Grazing	Stanford University
ERP-02-P25	P0685556	\$2,476,835	11/30/2006 0:00	12/31/2008 0:00	McCormack-Williamson Tract Restoration: Wildlife-Friendly Levee Management	The Nature Conservancy
ERP-02-P28	P0685560	\$661,902	4/30/2006 0:00	10/31/2006 0:00	Stanislaus - Lower San Joaquin River Water Temperature Modeling and Analysis	Tri-Dam Project
ERP-02-P31		\$400,000	10/31/2005 0:00	10/31/2005 0:00	Delta Smelt Culture and Research Program	Regents of the University of California
ERP-02-P33	P0685563	\$315,811	6/30/2006 0:00	3/31/2007 0:00	Primary Production in the Delta: Monitoring Design, Data Analysis and Forecasting	Regents of the University of California, Davis
ERP-02-P35		\$150,047	6/30/2004 0:00	11/30/2004 0:00	Selenium Effects on Health and Reproduction of White Sturgeon in the Sacramento-San Joaquin Estuary	Regents of the University of California
ERP-02-P37		\$156,951	6/30/2005 0:00	2/28/2006 0:00	Reducing the Introduction and Damage of Aquatic Nonindigenous Species through Outreach and Education, Phase 2	University of California, Davis
ERP-02-P38	P0685565	\$562,924	10/31/2006 0:00	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-P40	P0685566	\$2,262,567	6/30/2006 0:00	6/30/2007 0:00	Trophic Transfer in the San Francisco Bay/Delta: Identifying Critical Processes for the Ecosystem Restoration Program	U.S. Geological Survey
ERP-02-P45		\$120,000	6/1/2005 0:00		Geomorphic and Geologic Mapping for Restoration Planning	William Lettis and Associates
ERP-02-P49		\$800,000	3/31/2004 0:00		Deer Creek Hills Project	Sacramento Valley Conservancy
ERP-02D-P50		\$500,000	3/31/2006 0:00	6/30/2006 0:00	San Joaquin River Dissolved Oxygen Depletion Modeling	HydroQual, Inc.
ERP-02D-P51	P0685536	\$863,732	6/30/2006 0:00	8/31/2007 0:00	Hydrodynamics and Oxygen Modeling of the Stockton Deep Water Ship Channel	University of California, Davis
ERP-02D-P52	P0685577	\$356,400	10/15/2006 0:00	10/15/2007 0:00	Big Break and Marsh Creek Water Quality and Habitat Restoration Program	State Coastal Conservancy
ERP-02D-P54	P0685520	\$1,563,506	2/28/2007 0:00	9/30/2013 0:00	Restoring Ecosystem Integrity in the Northwest Delta: Phase II	Solano Land Trust
ERP-02D-P57	P0685523	\$998,222	9/30/2005 0:00	1/31/2007 0:00	Biological Assessment of Green Sturgeon in the Sacramento - San Joaquin Watershed	University of California, Davis
ERP-02D-P58	P0685524	\$178,701	9/30/2006 0:00	10/31/2007 0:00	Invasion Dynamics of Perennial Pepperweed, Lepidium latifolium, and Their Consequences for Protection of Natural an	University of California, Davis
ERP-02D-P63	P0685528	\$6,807,428	6/30/2007 0:00	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-P66	P0685530	\$418,995	12/31/2007 0:00	6/30/2011 0:00	Cosumnes River Preserve Perennial Pepperweed Control Project	University of California, Davis
ERP-04-C02	P0685580	\$370,000	3/30/2006 0:00	3/30/2007 0:00	Validation of Deep Water Ship Channel Models and Technical Support for the San Joaquin River Dissolved Oxygen Proje	Central Valley Regional Water Quality Control Board
ERP-04-S15	P0685515	\$1,499,181	6/30/2009 0:00	12/30/2011 0:00	Monitoring Responses of the Delta Smelt Population to Multiple Restoration Actions in the San Francisco Estuary	University of California, Davis
ERP-04-S17		\$1,500,000			The COYOTE Project: A Unified Approach to Monitoring Floodplain and Freshwater Tidal Marsh Restoration in the Cosu	California Department of Water Resources
ERP-04D-S18	E0783013	\$2,447,998	6/14/2011 0:00	6/30/2013 0:00	BREACH III: Evaluating and Predicting 'Restoration Thresholds' in Evolving Freshwater-Tidal Marshes	U.S. Fish and Wildlife Service
ERP-04D-S22	P0685628	\$250,000	6/30/2008 0:00	6/30/2010 0:00	San Joaquin River Fall-Run Chinook Salmon Population Model Refinement Project	California State University, Fresno Foundation
ERP-05-S31	E0720006	\$493,033	6/30/2010 0:00	12/31/2010 0:00	Sandhill Crane Use of Agricultural Lands in the Sacramento-San Joaquin Delta Region	U.S. Geological Survey
ERP-05-S34	E0883001	\$800,000	6/30/2011 0:00	9/30/2013 0:00	Delta Working Landscapes	Delta Protection Commission
ERP-05D-S02	Internal # BC	\$781,000	6/30/2008 0:00		Data Collection for the San Joaquin Basin-wide Temperature Model	California Department of Fish and Game
ERP-05D-S04	P0685618	\$373,351	6/30/2008 0:00	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	6/30/2008 0:00	6/30/2010 0:00	Development of a Central Valley Steelhead Comprehensive Monitoring Plan	Pacific States Marine Fisheries Commission
ERP-05D-S11	P0585301	\$637,412	6/30/2008 0:00	4/30/2009 0:00	Determination of Age Structure and Cohort Reconstruction of Central Valley Chinook Salmon Populations	Pacific States Marine Fisheries Commission
ERP-05D-S20	P0685610	\$6,775,998	6/30/2008 0:00	12/31/2008 0:00	Implementation of a Constant Fractional Marking/Tagging Program for Central Valley Hatchery Chinook Salmon	Pacific States Marine Fisheries Commission

Research Planning Monitor	Ecosystem Water and Sediment Quality Hydrodyna	Closed	2001	125000	San Joaquin
Research Planning Monitor	Ecosystem Water and Sediment Quality Hydrodyna	Closed	2001	74000	San Joaquin
Full-Scale Implementation Pi	Ecosystem Water and Sediment Quality Environme	Closed	2002	421791	Alameda Contra Costa Sacramento San Joaquin Solano Yolo
Research Planning	Ecosystem Water and Sediment Quality Mine Rem	Closed	2002	400000	Amador Butte Colusa El Dorado Lake Nevada Sacramento Shasta Sierra Tehama
Research Planning	Hydrodynamics, Sediment Transport, and Flow Regio	Closed	2002	500257	Solano Yolo
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Closed	2002	23550000	Contra Costa
Planning	Riparian Habitat Hydrodynamics, Sediment Transp	Closed	2002	300000	Sacramento
Research	Ecosystem Water and Sediment Quality	Terminated/Cancelled	2002	767135	Sacramento
Full-Scale Implementation Ac	Riparian Habitat	Closed	2002	2000000	El Dorado
Planning	Riparian Habitat Shallow Water and Marsh Habitat	Closed	2002	1500000	Contra Costa
Pilot/Demonstration	Upland Habitat and Wildlife Friendly Agriculture Lo	Closed	2002	1507459	San Joaquin
Full-Scale Implementation	Riparian Habitat Shallow Water and Marsh Habitat	Closed	2002	1800000	Sacramento Solano Yolo
Research	Non-Native Invasive Species	Closed	2002	327937	Contra Costa
Research	Hydrodynamics, Sediment Transport, and Flow Regio	Closed	2002	509222	Alameda Contra Costa Marin Napa Sacramento San Francisco Solano Sonoma Yolo
Full-Scale Implementation	Riparian Habitat Non-Native Invasive Species	Closed	2002	859405	Amador Sacramento San Joaquin
Planning	Shallow Water and Marsh Habitat Upland Habitat a	Closed	2002	246370	Solano
Research	Shallow Water and Marsh Habitat Hydrodynamics,	Closed	2002	616605	Contra Costa Solano
Full-Scale Implementation	Riparian Habitat Shallow Water and Marsh Habitat	Closed	2002	2476835	Sacramento
Research	Hydrodynamics, Sediment Transport, and Flow Regio	Closed	2002	661902	Calaveras Sacramento San Joaquin Stanislaus Tuolumne
Research	At-Risk Species Assessment	Closed	2002	400000	Contra Costa
Research	Estuary Foodweb Productivity	Closed	2002	315811	Contra Costa Sacramento San Joaquin Solano Yolo
Research	Ecosystem Water and Sediment Quality Harvestabl	Closed	2002	150047	Contra Costa Marin Napa Solano Sonoma Yolo
Full-Scale Implementation	Environmental Education Non-Native Invasive Spec	Closed	2002	156951	Alameda Contra Costa Marin Napa Sacramento San Francisco San Joaquin San Mateo
Research	Hydrodynamics, Sediment Transport, and Flow Regio	Closed	2002	562924	Alameda Butte Colusa Contra Costa Fresno Glenn Madera Plumas Sacramento Sa
Research	Ecosystem Water and Sediment Quality Estuary Fo	Closed	2002	2262567	Contra Costa Sacramento
Research	Hydrodynamics, Sediment Transport, and Flow Regio	Closed	2002	120000	Sacramento Solano
Acquisition	Ecosystem Water and Sediment Quality Riparian H	Closed	2002	800000	Sacramento
Research	Ecosystem Water and Sediment Quality Hydrodyna	Closed	2002	500000	Contra Costa Sacramento San Joaquin
Research	Ecosystem Water and Sediment Quality Hydrodyna	Closed	2002	863732	San Joaquin
Full-Scale Implementation Pi	Ecosystem Water and Sediment Quality Local Wate	Closed	2002	356400	Contra Costa
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Ongoing	2002	1563506	Solano
Research	At-Risk Species Assessment	Closed	2002	998222	Colusa Del Norte Fresno Glenn Humboldt Merced Sacramento San Joaquin San Mat
Research	Local Watershed Stewardship Shallow Water and N	Closed	2002	178701	Alameda Marin Sacramento San Joaquin Solano Sonoma
Research	Ecosystem Water and Sediment Quality	Closed	2002	6807428	Merced San Joaquin Stanislaus
Research	Non-Native Invasive Species	Closed	2002	418995	Sacramento
Research Planning	Ecosystem Water and Sediment Quality	Closed	2004	370000	Contra Costa Sacramento San Joaquin
Research Monitoring	At-Risk Species Assessment	Ongoing	2004	1499181.23	Contra Costa Napa Sacramento San Joaquin Solano
Research Monitoring	Lowland Floodplains and Bypasses	Terminated/Cancelled	2004	1500000	
Research	Shallow Water and Marsh Habitat	Ongoing		2447998	Solano Yolo
Research	Hydrodynamics, Sediment Transport, and Flow Regio	Closed		250000	Contra Costa Fresno Madera Merced Sacramento San Joaquin Stanislaus
Research	Local Watershed Stewardship Upland Habitat and V	Closed	2005	493033	Various
Full-Scale Implementation Pi	Local Watershed Stewardship Hydrodynamics, Sedi	Ongoing	2005	800000	Sacramento Solano Yolo
Research Monitoring	Environmental Water Management	Closed		781000	Calaveras Mariposa Merced San Joaquin Stanislaus Tuolumne
Planning Monitoring	At-Risk Species Assessment	Closed		373351	Various
Planning Monitoring	At-Risk Species Assessment	Closed		367888	Various
Research	At-Risk Species Assessment	Closed		637412	Various
Full-Scale Implementation M	Harvestable Species Assessment At-Risk Species As	Closed		6775998	Butte Sacramento San Joaquin Shasta

Delta smelt Fall-run Chinook salmon Native resident fishes Planktonic (foodweb) organisms Aquatic habitat plant community Anadromous salmoni
Delta smelt Fall-run Chinook salmon Native resident fishes Planktonic (foodweb) organisms Aquatic habitat plant community Anadromous salmoni
Striped bass
Yolo Yuba
Fall-run Chinook salmon
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon California black rail Greater sand
Sacramento splittail Fall-run Chinook salmon California black rail Swainson's hawk Greater sandhill crane Western yellow-billed cuckoo Giant gart
Fall-run Chinook salmon California red-legged frog Western pond turtle Native anuran amphibians
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon California black rail Greater sand
Greater sandhill crane Wading bird guild Waterfowl and Shorebirds
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Delta smelt Longfin smelt Sacramento splittail Striped bass American shad Pacific herring
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Valley elderberry longhorn beetle Swains
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Masons lilaeopsis Suisun Marsh aster Sv
Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Delta smelt
Planktonic (foodweb) organisms
Green sturgeon White sturgeon
Solano Yolo
h Joaquin Shasta Stanislaus Sutter Tehama Yolo
Sacramento splittail Planktonic (foodweb) organisms Non-native warmwater gamefish
Valley elderberry longhorn beetle Swainson's hawk Colusa grass Boggs Lake hedge-hyssop Greene's legenera California freshwater shrimp Califor
Fall-run Chinook salmon
Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon California black rail Swainson's hawk Giant g
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Masons lilaeopsis Suisun Marsh aster Sv
Green sturgeon
Swainson's hawk Giant garter snake Neotropical migratory birds Seasonal wetland habitat plant community
Delta smelt
Delta smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley st
Chinook Steelhead
Greater sandhill crane
Giant garter snake Waterfowl and Shorebirds
Fall-run Chinook salmon Anadromous salmonids
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Anadromous salmonids
Central Valley steelhead
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Anadromous salmonids

Bay-Delta Hydrodynamics Contaminants Disturbance
Bay-Delta Hydrodynamics Water Diversions Contaminants
Contaminants
Contaminants
Bay-Delta Hydrodynamics Natural Floodplain and Flood Processes Essential Fish Habitats
Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Delta Sloughs Freshwater Fish Habitats
Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Essential Fish Habitats
Contaminants
Riparian and Riverine Aquatic Habitats Freshwater Fish Habitats Essential Fish Habitats
Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Delta Sloughs Freshwater Fish Habitats
Agricultural Lands Bay-Delta Hydrodynamics Natural Floodplain and Flood Processes
Fresh Emergent Wetland Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Delta Sloughs Invasive Riparian Marsh Plants Fish and Wildlife Harvest
Bay-Delta Aquatic Foodweb Invasive Aquatic Plants
Bay-Delta Hydrodynamics Central Valley Streamflows Fresh Emergent Wetland Saline Emergent Wetland Essential Fish Habitats
Riparian and Riverine Aquatic Habitats Invasive Riparian Marsh Plants
Agricultural Lands Midchannel Islands and Shoals Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Delta Sloughs Perennial Grassland Invasive Aquatic
Bay-Delta Hydrodynamics Invasive Aquatic Organisms Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Essential Fish Habitats
Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Freshwater Fish Habitats Levees, Bridges and Bank Protection
Central Valley Streamflows Central Valley Stream Temperatures Essential Fish Habitats
Bay-Delta Aquatic Foodweb Artificial Fish Propagation
Bay-Delta Aquatic Foodweb
Contaminants Fish and Wildlife Harvest
Invasive Aquatic Organisms Bay-Delta Aquatic Foodweb Invasive Aquatic Plants
Bay-Delta Hydrodynamics
Bay-Delta Aquatic Foodweb Contaminants
Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Stream Meander Tidal Perennial Aquatic Habitat Levees, Bridges and Bank Protection Contaminants
Agricultural Lands Riparian and Riverine Aquatic Habitats Seasonal Wetlands Bay-Delta Aquatic Foodweb Central Valley Stream Temperatures Freshwater Fish Habitats Essential Fish Habitats Perennial Grassland
Bay-Delta Hydrodynamics Contaminants
Bay-Delta Hydrodynamics Contaminants
Fresh Emergent Wetland Natural Floodplain and Flood Processes Contaminants Disturbance
Agricultural Lands Bay-Delta Hydrodynamics Fresh Emergent Wetland Midchannel Islands and Shoals Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands
Freshwater Fish Habitats Essential Fish Habitats
Tidal Perennial Aquatic Habitat Invasive Riparian Marsh Plants
Contaminants
Riparian and Riverine Aquatic Habitats Invasive Riparian Marsh Plants
Contaminants
Bay-Delta Aquatic Foodweb Contaminants
eelhead Valley elderberry longhorn beetle Swainson's hawk Sacramento perch Greater sandhill crane Giant garter snake
Bay-Delta Hydrodynamics Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb
Bay-Delta Hydrodynamics Essential Fish Habitats
Agricultural Lands
Agricultural Lands Levees, Bridges and Bank Protection Contaminants Fish and Wildlife Harvest
Riparian and Riverine Aquatic Habitats Central Valley Stream Temperatures Freshwater Fish Habitats
Essential Fish Habitats Fish and Wildlife Harvest
Essential Fish Habitats Fish and Wildlife Harvest
Essential Fish Habitats Fish and Wildlife Harvest
Essential Fish Habitats Fish and Wildlife Harvest Artificial Fish Propagation

Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation														
Nutrients and Oxygen Depleting Substances Salinity Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors														
Mercury														
Mercury Turbidity and Sedimentation														
Inland Dune Scrub Habitat														
Nutrients and Oxygen Depleting Substances Trace Metals Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors														
Other														
Inland Dune Scrub Habitat														
Turbidity and Sedimentation														
Turbidity and Sedimentation														
Other														
Salinity Turbidity and Sedimentation														
Nutrients and Oxygen Depleting Substances														
Nutrients and Oxygen Depleting Substances Organic Carbon and Disinfection Byproduct Precursors														
Selenium														
Mercury Turbidity and Sedimentation														
Mercury Other														
Turbidity and Sedimentation Other														
Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors														
Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors														
Mercury Turbidity and Sedimentation														
Other														
Nutrients and Oxygen Depleting Substances Organic Carbon and Disinfection Byproduct Precursors														
Nutrients and Oxygen Depleting Substances														
Pesticides														
Mercury														
Turbidity and Sedimentation Pesticides														
Other														

ERP-05D-S36					Gauging the Benefits of Riparian Restoration/Enhancement in a Working Agricultural Landscape	
ERP-05D-S37					Yolo Wildlife Area: An Evolving Model for Integration of Agriculture and Habitat Restoration in a Flood Control Setting	Yolo Basin Foundation
ERP-07D-P06	E0720044	\$1,715,533	6/30/2011 0:00	4/30/2014 0:00	Complementing Water Planning Efforts for the Delta and Sacramento River: Application of the Ecological Flows Tool	The Nature Conservancy
ERP-07D-P07	E1120001	\$2,055,022	6/30/2015 0:00		Wildlife and Vegetation Response to Experimental Restoration of Flooded Riparian Forest Habitat for The Cosumnes River	The Nature Conservancy
ERP-07D-P08		\$0			Peterson Ranch Acquisition and Planning	Solano Land Trust
ERP-07D-S03	E0783004	\$969,691	9/30/2009 0:00	3/31/2011 0:00	Population Biology, Life History, Distribution, and Environmental Optima of Green Sturgeon	University of California, Davis Regents
ERP-07D-S06	E0783012	\$300,000	11/30/2009 0:00	6/30/2013 0:00	Lower Yolo Bypass Collaborative Process Project	Center for Collaborative Policy
ERP-07D-S08	E0783007	\$4,525,636	12/31/2012 0:00	12/31/2013 0:00	Sacramento Valley/Delta Fish Screen Program	Family Water Alliance
ERP-08D-S03	E0883006	\$2,992,933	6/30/2011 0:00	12/31/2013 0:00	San Joaquin River Dissolved Oxygen/Oxygen-consuming Materials in San Joaquin River	University of the Pacific
ERP-08D-S05	P0840012	\$350,000	4/30/2011 0:00	12/31/2012 0:00	Refine the fall-run chinook salmon population model	California State University, Fresno Foundation
ERP-10D-P01	E1083005	\$420,000	9/30/2012 0:00	12/31/2013 0:00	IRWM Fish and Productivity Data Analysis and Interpretation	Association of Bay Area Governments
ERP-11-S02	E1120009	\$356,402	6/30/2015 0:00		Development of a Spatially Explicit Ecosystem Model to Explore Physicochemical Drivers of Step Changes in POD Species	U.S. Geological Survey
ERP-11-S04	E1183012	\$1,746,955	2/28/2015 0:00		Survival and Migratory Patterns of Juvenile Spring and Fall Run Chinook Salmon in the Sacramento River and Delta	University of California, Davis
ERP-11-S06	E1220003	\$1,244,991	12/31/2015 0:00		Lower Cosumnes River Floodplain Restoration Project	Ducks Unlimited
ERP-11-S07	E1283005	\$3,314,300			McCormack-Williamson Tract Flood Control and Ecosystem Restoration Project	Reclamation District 2110
ERP-11-S08	E1183006	\$875,000	1/31/2015 0:00		Management Tools for Landscape-Scale Restoration of Ecological Functions in the Delta	Aquatic Science Center
ERP-11-S10	E1183003	\$197,416	10/15/2013 0:00	10/15/2013 0:00	Wetland and Rice Management to Limit Methylmercury Production and Export	U.S. Geological Survey
ERP-11-S11	E1183007	\$412,405	1/31/2015 0:00		Salinity effects on native and introduced SAV of Suisun Bay and the Delta	California State University, San Francisco Romberg Tiburon Center
ERP-11-S12	E1183008	\$878,020	1/31/2015 0:00	1/31/2015 0:00	Evaluation of Floodplain Rearing and Migration in the Yolo Bypass	California Department of Water Resources
ERP-11-S13	E1183015	\$2,260,313	3/31/2015 0:00	3/31/2016 0:00	Lower Putah Creek Restoration from Toe Drain to Monticello Dam: Project Description Development, CEQA Compliance	Yolo Basin Foundation
ERP-11-S14	E1183013	\$1,152,195	3/31/2015 0:00		Identifying habitat characteristics that support native fish in the Delta and Suisun Marsh	University of California, Davis
ERP-11-S15	E1183009	\$730,307	1/31/2015 0:00			University of California, Davis
ERP-11D-S03	E1183017	\$472,991	2/1/2015 0:00		Ecological Performance of Fishes in an Ever-changing Estuary: The Effects of Nutritional Status on Environmental Stress	University of California, Davis
ERP-11D-S17	E1183004	\$2,980,196	12/15/2014 0:00		Fall X2 Fish Health Study: Contrasts in Health Indices, Growth and Reproductive Fitness of Delta Smelt and Other Pelagic Fish	University of California, Davis
ERP-11D-S18	E1183018	\$690,593	3/31/2014 0:00		Expanding Fish Tracking Array with Real-Time Monitoring of Tagged Sturgeon and Salmonids	University of California, Davis
ERP-11D-S22	E1183021	\$224,760	2/28/2015 0:00	2/28/2015 0:00	Water Quality Effects on Survival, Growth, and Feeding Performance in Larval Delta Smelt (<i>Hypomesus transpacificus</i>)	U.S. Fish and Wildlife Service
ERP-13D-S01	E1383003	\$100,800	7/31/2014 0:00		Delta Dialogues, Phase II	Delta Conservancy
ERP-95-M06		\$660,000	9/30/1998 0:00	12/30/1998 0:00	Biologically Integrated Orchard System Almond Expansion Project	Community Alliance with Family Farmers
ERP-96-M02		\$2,500,000			Prospect Island Ecosystem Restoration Project	California Department of Water Resources
ERP-96-M03		\$500,000	9/14/1999 0:00		Phase I of the Feasibility Study of the Lower Sacramento River Riparian Habitat Restoration Project	California Department of Water Resources
ERP-96-M06		\$1,500,000	12/31/1996 0:00		Cosumnes River Watershed Project - Valensin Ranch Acquisition	The Nature Conservancy
ERP-96-M09		\$480,000	10/1/2001 0:00		Sherman Island Levee Habitat Demonstration Project	California Department of Water Resources
ERP-96-M10		\$475,000	12/31/1999 0:00		Applied Research to Predict Ecological Functions of Evolution of Restored Diked Wetlands	University of Washington
ERP-96-M13		\$226,000	11/3/2000 0:00		Yolo Bypass Fish Habitat	California Department of Water Resources
ERP-96-M16		\$145,200	12/31/1999 0:00		Sacramento River and Major Tributaries Corridor Mapping Project	California State University, Chico Research Foundation
ERP-96-M26		\$35,000	6/30/1998 0:00		Prospect Island Monitoring Plan Project	California Department of Water Resources
ERP-96-M27		\$24,500	9/30/1998 0:00		Inventory of Rearing Habitat for Juvenile Salmon in the North Delta Project	California State University, Sacramento
ERP-97-B02		\$587,010	9/30/2000 0:00	6/30/2001 0:00	Monitor and Describe the Movement of Sediment Needed for Habitat Restoration in the Delta and Suisun Bay	U.S. Geological Survey
ERP-97-B03		\$8,577,000	1/31/2000 0:00	9/30/2003 0:00	Liberty Island Acquisition	U.S. Fish and Wildlife Service
ERP-97-B06		\$517,000	4/30/2001 0:00	9/30/2001 0:00	Assessment of the Sacramento-San Joaquin River Delta as Habitat for Production of the Food Resources that Support Fish and Wildlife	U.S. Geological Survey
ERP-97-C05		\$546,171	6/30/2001 0:00	3/31/2003 0:00	Effects of Wetland Restoration on the Production of Methyl Mercury in the San Francisco Bay-Delta System	University of California, Davis
ERP-97-C06		\$437,326	6/30/2001 0:00	6/30/2001 0:00	Role of Contaminants in the Decline of Delta Smelt in the Sacramento-San Joaquin Estuary	University of California, Davis
ERP-97-C07		\$222,830	8/31/2000 0:00	8/31/2001 0:00	Preventing Exotic Introductions from Ballast Water	University of California Sea Grant Extension Program
ERP-97-M06		\$27,000	12/31/2000 0:00	9/30/2001 0:00	Hastings Tract Fish Screen (Phase I: Feasibility Study)	Hastings Island Land Company
ERP-97-M07		\$938,875	9/30/2002 0:00	12/31/2003 0:00	Banta-Carbona Irrigation District Fish Screen Project	Banta-Carbona Irrigation District
ERP-97-N01		\$663,500	1/1/2001 0:00		Assessment and Implementation of Urban Use Reduction of Diazinon and Chlorpyrifos (Sacramento County)	City of Sacramento
ERP-97-N09		\$100,000	1/10/2000 0:00		Delta Toxicity Monitoring Project, Effects on Anadromous and Estuarine Species	San Francisco Baykeeper

Pilot/Demonstration	Local Watershed Stewardship Riparian Habitat Upland Habitat	Withdrawn			San Joaquin
Research Pilot/Demonstration	Ecosystem Water and Sediment Quality Harvestable Species Assessment	Withdrawn			Yolo
Planning	Riparian Habitat Hydrodynamics, Sediment Transport, and Flow Regime	Ongoing		1715533	
Monitoring	Riparian Habitat Lowland Floodplains and Bypasses	Ongoing		2055022	Sacramento
Planning Acquisition	Shallow Water and Marsh Habitat Upland Habitat	Withdrawn		0	Solano
Research	At-Risk Species Assessment	Closed		969690.52	Various
Planning	Lowland Floodplains and Bypasses	Closed		300000	Solano Yolo
Research Full-Scale Implementation	Fish Screens At-Risk Species Assessment	Ongoing		4525636	Colusa Sacramento Sutter Yolo
Research Monitoring	Ecosystem Water and Sediment Quality	Ongoing		2992933	San Joaquin
Research	Hydrodynamics, Sediment Transport, and Flow Regime	Ongoing		350000	
Research Monitoring	Shallow Water and Marsh Habitat Estuary Foodweb Productivity	Ongoing		420000	
Research	Estuary Foodweb Productivity At-Risk Species Assessment	Ongoing		356402	
Research Monitoring	Estuary Foodweb Productivity At-Risk Species Assessment	Ongoing		1746955	
Full-Scale Implementation Planning	Riparian Habitat Lowland Floodplains and Bypasses	Ongoing		1244991	Sacramento
Research Full-Scale Implementation	Ecosystem Water and Sediment Quality Riparian Habitat	Funded but not executed	2010	3314300	Sacramento
Research Planning	Riparian Habitat Shallow Water and Marsh Habitat	Ongoing	2011	875000	Contra Costa Sacramento San Joaquin Solano Yolo
Pilot/Demonstration Monitoring	Ecosystem Water and Sediment Quality	Ongoing	2010	197416	Sacramento
Research Pilot/Demonstration	Shallow Water and Marsh Habitat Non-Native Invasives	Ongoing	2011	412405	Contra Costa Sacramento Solano
Research Planning Monitoring	Shallow Water and Marsh Habitat Lowland Floodplains	Ongoing	2009	878020	Solano Yolo
Research Full-Scale Implementation	Riparian Habitat Shallow Water and Marsh Habitat	Ongoing		2260313	Solano Yolo
Research Monitoring	Harvestable Species Assessment Shallow Water and Marsh Habitat	Ongoing		1152195	Contra Costa Sacramento Solano Yolo
Research	Harvestable Species Assessment Non-Native Invasives	Ongoing	2011	730307	Sacramento Solano
Research	At-Risk Species Assessment	Ongoing		472990.56	
Research Pilot/Demonstration	Ecosystem Water and Sediment Quality Estuary Foodweb Productivity	Ongoing		2980196	Contra Costa Sacramento San Joaquin Solano
Research Monitoring	Shallow Water and Marsh Habitat At-Risk Species Assessment	Ongoing		690593	
Research	Ecosystem Water and Sediment Quality At-Risk Species Assessment	Ongoing	2011	224760	
Research Pilot/Demonstration	Local Watershed Stewardship	Ongoing		100800	Alameda Contra Costa Sacramento San Francisco San Joaquin Solano Yolo
Full-Scale Implementation Planning	Ecosystem Water and Sediment Quality Environmental Education	Closed	1995	660000	Colusa Madera San Joaquin
Full-Scale Implementation	Riparian Habitat Shallow Water and Marsh Habitat	Terminated/Cancelled	1996	2500000	Solano
Pilot/Demonstration	Riparian Habitat	Closed	1996	500000	Sacramento Solano Sutter Yolo
Acquisition	Local Watershed Stewardship Riparian Habitat Upland Habitat	Closed	1996	1500000	Sacramento
Pilot/Demonstration	Riparian Habitat	Terminated/Cancelled	1996	480000	
Research	Shallow Water and Marsh Habitat	Closed	1996	475000	Contra Costa Sacramento San Joaquin Solano Yolo
Research Monitoring	Ecosystem Water and Sediment Quality Harvestable Species Assessment	Closed	1996	226000	Yolo
Research Monitoring	Riparian Habitat	Closed	1996	145200	Colusa Glenn Sacramento Sutter Yolo Yuba
Planning	Ecosystem Water and Sediment Quality Riparian Habitat	Closed	1996	35000	Solano
Research	Harvestable Species Assessment At-Risk Species Assessment	Closed	1996	24500	Solano
Research Monitoring	Ecosystem Water and Sediment Quality Riparian Habitat	Closed	1997	587010	Contra Costa Sacramento San Joaquin Solano Yolo
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1997	8577000	Solano Yolo
Research Monitoring	Estuary Foodweb Productivity At-Risk Species Assessment	Closed	1997	517000	Contra Costa Sacramento San Joaquin Solano Yolo
Research	Ecosystem Water and Sediment Quality	Closed	1997	546171	Contra Costa Sacramento San Joaquin Solano Yolo
Research	Ecosystem Water and Sediment Quality At-Risk Species Assessment	Closed	1997	437326	Contra Costa Napa Sacramento San Joaquin Solano Yolo
Full-Scale Implementation	Environmental Education Non-Native Invasive Species	Closed	1997	222830	Alameda Contra Costa Marin Sacramento San Francisco San Joaquin San Mateo Solar
Planning	Fish Screens	Closed	1997	27000	Solano
Full-Scale Implementation	Fish Screens	Closed	1997	938875	San Joaquin
Full-Scale Implementation Monitoring	Ecosystem Water and Sediment Quality Environmental Education	Closed	1997	663500	Sacramento
Research Monitoring	Ecosystem Water and Sediment Quality	Closed	1997	100000	Contra Costa Sacramento San Joaquin Solano Yolo

Valley elderberry longhorn beetle
Green sturgeon Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Bank swallow Western pond turtle Anadromous Sacramento splittail Swainson's hawk California yellow warbler Least Bell's vireo Western yellow-billed cuckoo Western Least bittern Western pond turtle
Green sturgeon
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Fall-run Chinook salmon
Delta smelt Fall-run Chinook salmon Least Bell's vireo
Greater sandhill crane Giant garter snake Western pond turtle
Delta smelt Green sturgeon Fall-run Chinook salmon
Anadromous salmonids
Sacramento splittail Fall-run Chinook salmon Central Valley steelhead California black rail Swainson's hawk Least Bell's vireo Little willow flycatcher
Striped bass Non-native warmwater gamefish Anadromous salmonids
Delta smelt
Delta smelt Anadromous salmonids
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Native resident fishes Migratory waterfowl
Delta smelt Winter-run Chinook salmon
Spring-run Chinook salmon Native resident fishes Planktonic (foodweb) organisms Tidal brackish and freshwater marsh habitat
Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Native resident fishes Planktonic (foodweb) organisms
Fall-run Chinook salmon
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Sacramento splittail Striped bass Anadromous salmonids
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Planktonic (foodweb) organisms

Agricultural Lands Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Invasive Riparian Marsh Plants
Agricultural Lands Contaminants Fish and Wildlife Harvest
salmonids
nd turtle Wading bird guild Neotropical migratory birds Waterfowl and Shorebirds
Predation and Competition Bay-Delta Aquatic Foodweb Central Valley Stream Temperatures Freshwater Fish Habitats Essential Fish Habitats Contaminants
Agricultural Lands Stranding Water Diversions Essential Fish Habitats Levees, Bridges and Bank Protection
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er Giant garter snake Lamprey family
Predation and Competition
Contaminants
Agricultural Lands Central Valley Streamflows Dams and Other Structures Water Diversions Levees, Bridges and Bank Protection
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Fresh Emergent Wetland Midchannel Islands and Shoals Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Delta Sloughs Essential Fish Habitats
Riparian and Riverine Aquatic Habitats Freshwater Fish Habitats Essential Fish Habitats Fish and Wildlife Harvest
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Bay-Delta Aquatic Foodweb Contaminants
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Water Diversions
Essential Fish Habitats Contaminants
Bay-Delta Aquatic Foodweb Essential Fish Habitats Contaminants

Mercury													
Salinity Organic Carbon and Disinfection Byproduct Precursors Other													
Salinity Turbidity and Sedimentation													
Nutrients and Oxygen Depleting Substances Salinity Turbidity and Sedimentation													
Salinity Turbidity and Sedimentation Other													
Salinity													
Pesticides													
Trace Metals Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors Pesticides Other													
Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors													
Trace Metals Salinity Turbidity and Sedimentation Pesticides													
eb Delta Sloughs Essential Fish Habitats Levees, Bridges and Bank Protection													
Organic Carbon and Disinfection Byproduct Precursors													
Mercury													
Toxicity of Unknown Origin and Contaminants													
Pesticides													
Nutrients and Oxygen Depleting Substances Trace Metals Pesticides													

ERP-97-N10		\$244,801	5/25/2001 0:00	9/30/2002 0:00	Restoring Ecosystem Integrity in the Northwestern Delta - Jepson Prairie Restoration and Habitat Conservation Plan	Solano Land Trust
ERP-97-N11		\$270,270	8/30/1999 0:00	5/29/2000 0:00	Demonstration Project for the Protection and Enhancement of Delta In-Channel Islands	Association of Bay Area Governments
ERP-97-N12		\$231,500	12/1/1999 0:00	12/31/2002 0:00	Franks Tract State Recreation Area Wetlands Habitat Restoration	Moffat and Nichol Engineers
ERP-97-N13		\$885,202	12/31/2001 0:00	5/31/2002 0:00	Tyler Island Levee Protection and Habitat Restoration Pilot Project	Habitat Assessment & Restoration Team, Inc.
ERP-97-N14		\$1,985,100	1/1/2001 0:00	9/30/2002 0:00	Cosumnes Start-up Stewardship and Restoration	The Nature Conservancy
ERP-98-A01		\$2,000,000	9/30/1999 0:00	6/30/2000 0:00	Prospect Island Habitat Protection Project	U.S. Army Corps of Engineers
ERP-98-A02		\$1,200,000	9/30/2001 0:00	12/31/2002 0:00	Habitat Restoration/Flood Control Bypasses System	U.S. Army Corps of Engineers
ERP-98-B07		\$1,589,000	6/30/2001 0:00	12/31/2001 0:00	Evaluation of Selenium Sources, Levels, and Consequences in the Delta	U.S. Geological Survey
ERP-98-B08		\$85,000	12/31/1998 0:00	12/31/2001 0:00	Cache Slough Shaded Riverine Aquatic Habitat Enhancement Project	Reclamation District 2060
ERP-98-B10		\$38,000	9/30/1999 0:00	6/30/2000 0:00	Cat Creek Watershed Project, Review of the Forest Road System for Repair, Relocation or Obliteration	U.S. Forest Service
ERP-98-B11		\$1,575,000	12/31/1999 0:00	12/31/2001 0:00	Lower Mokelumne River Restoration Plan - Phase 1	Woodbridge Irrigation District
ERP-98-B17		\$3,500,000	12/31/1998 0:00		Cosumnes Floodplain Acquisition and Restoration	The Nature Conservancy
ERP-98-B25		\$188,255	12/31/2002 0:00	10/31/2004 0:00	Cosumnes River Salmonid Barrier Program	Fishery Foundation of California
ERP-98-B27		\$271,250	12/31/2003 0:00	4/1/2004 0:00	Hastings Tract Fish Screen (Phase II: Construction)	Hastings Island Land Company
ERP-98-B30		\$3,000	12/31/2001 0:00		San Joaquin Valley "Salmonids in the Classroom" Program Enhancement	California Department of Fish and Game
ERP-98-B34		\$49,000	12/31/2001 0:00	12/31/2001 0:00	Discover the Flyway	Yolo Basin Foundation
ERP-98-B37		\$42,000			Virtual Science Center and Hands-on Learning Programs	The Delta Science Center At Big Break
ERP-98-B38		\$9,598	12/31/2001 0:00	12/31/2001 0:00	Water Hyacinth Education Program	Sacramento Regional County Sanitation District
ERP-98-C01	P0685586	\$3,583,000	12/31/2002 0:00	12/31/2006 0:00	Demonstration of Techniques for Reversing the Effects of Subsidence in the Sacramento-San Joaquin Delta: Phase 1 - Twitchell Island	California Department of Water Resources
ERP-98-C02		\$194,870	10/1/1999 0:00		Culture of Delta Smelt, <i>Hypomesus transpacificus</i> , at Delta Site, in Support of Environmental Studies and Restoration	University of California, Davis
ERP-98-C07		\$400,000	6/30/2001 0:00	11/30/2002 0:00	Fathead Minnow Toxicity Study in the Sacramento River	Central Valley Regional Water Quality Control Board
ERP-98-C08		\$500,000	6/30/2001 0:00	11/30/2002 0:00	Algae Toxicity Study	Central Valley Regional Water Quality Control Board
ERP-98-C09a		\$24,000	6/30/2001 0:00	6/30/2002 0:00	Delta Dredging Reuse Strategy	Delta Protection Commission
ERP-98-C09b		\$276,000	3/31/2001 0:00	6/30/2002 0:00	Delta Dredging Reuse Strategy	California Department of Fish and Game
ERP-98-C09c		\$200,000	6/30/2001 0:00	6/30/2002 0:00	Delta Dredging Reuse Strategy	State Water Resources Control Board
ERP-98-C11		\$285,000	5/31/2000 0:00	5/31/2001 0:00	Adult Fall-Run Chinook Salmon Movement in the Lower San Joaquin River and South Delta	California Department of Fish and Game
ERP-98-C15		\$241,000	1/31/2001 0:00	10/31/2001 0:00	Biological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watersheds	University of California, Davis
ERP-98-C16		\$200,000	3/22/2000 0:00	2/28/2004 0:00	Developing a Methodology to Accurately Simulate Entrainment of Fish (Pump Barge Study)	California Department of Fish and Game
ERP-98-C17		\$24,000	11/30/2001 0:00		Assist in Developing Appraisal & Planning with TNC for the McCormack-Williamson Property	California Department of Water Resources
ERP-98-E11		\$244,188	6/29/2000 0:00	3/31/2002 0:00	Watershed Restoration Strategy for the Yolo Bypass	Yolo Basin Foundation
ERP-98-E12		\$159,000	4/1/2000 0:00	9/1/2000 0:00	Lower Mokelumne River Watershed Stewardship Program (Phase I)	San Joaquin County Resource Conservation District
ERP-98-E16		\$100,500	8/31/2001 0:00	3/31/2002 0:00	Lower Putah Creek Watershed Stewardship Program	Solano County
ERP-98-F09		\$25,000	9/30/1999 0:00	6/30/2000 0:00	Rhode Island Floodplain Management and Habitat Restoration - Phase I	California Department of Fish and Game
ERP-98-F12		\$1,900,000	9/30/2000 0:00	9/30/2003 0:00	Stone Lakes NWR Land Acquisition	U.S. Fish and Wildlife Service
ERP-98-F16		\$425,000	12/31/1999 0:00	6/30/2000 0:00	Fern-Headreach Tidal Perennial Aquatic and Shaded Riverine Aquatic Conservation Project	L & L Farms
ERP-98-F19		\$750,000	9/30/2001 0:00		Cosumnes River Floodplain Acquisition, Restoration Planning, and Demonstration	The Nature Conservancy
ERP-99-A01		\$820,679	1/31/2001 0:00	12/31/2002 0:00	Inundation of a Section of the Yolo Bypass to Restore Sacramento Splittail & Other Native Species	Natural Heritage Institute
ERP-99-A02		\$912,309	12/31/2003 0:00		Prospect Island Monitoring Project	California Department of Water Resources
ERP-99-B13		\$1,042,246	6/30/2003 0:00	6/30/2004 0:00	Understanding Tidal Marsh Restoration Processes and Patterns: Validating and Extending the "BREACH" Conceptual Model	University of Washington
ERP-99-B16		\$866,408	3/30/2001 0:00	6/30/2003 0:00	Determination of the Causes of Dissolved Oxygen Depletion in the San Joaquin River	California Department of Water Resources
ERP-99-B17		\$1,392,669	9/30/2002 0:00	12/31/2006 0:00	Dissolved Organic Carbon Release from Delta Wetlands, Part 1	U.S. Geological Survey
ERP-99-B18		\$147,799	6/30/2001 0:00	3/31/2003 0:00	An Evaluation of the Potential Impacts of the Chinese Mitten crab on the Benthic Communities in the Sacramento-San Joaquin River	California Department of Water Resources
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-C01/C02	P0685575	\$800,000	9/30/2001 0:00	12/31/2007 0:00	East Delta Corridor Habitat Studies: Cosumnes and Mokelumne Rivers Feasibility Study	South East Sacramento County Agricultural Water Authority
ERP-99-C02				3/31/2004 0:00	Mokelumne River Feasibility Study	East Bay Municipal Utility District

Full-Scale Implementation Planning	Riparian Habitat Upland Habitat and Wildlife Friend	Closed	1997	244801	Solano
Research Planning	Hydrodynamics, Sediment Transport, and Flow Regim	Closed	1997	270270	Contra Costa Sacramento San Joaquin
Research Planning	Shallow Water and Marsh Habitat Lowland Floodpl	Closed	1997	231500	Contra Costa
Pilot/Demonstration	Riparian Habitat At-Risk Species Assessment	Closed	1997	885202	Sacramento
Full-Scale Implementation Monitoring	Local Watershed Stewardship Riparian Habitat Upl	Closed	1997	1985100	Sacramento
Full-Scale Implementation	Riparian Habitat	Closed	1998	2000000	Solano
Planning	Riparian Habitat Hydrodynamics, Sediment Transpo	Closed	1998	1200000	Yolo
Research	Ecosystem Water and Sediment Quality Estuary Fo	Closed	1997	1589000	Alameda Contra Costa Marin Napa Sacramento San Francisco San Joaquin Solano So
Planning	Riparian Habitat Lowland Floodplains and Bypasses	Closed	1998	85000	Solano
Planning	Local Watershed Stewardship	Closed	1997	38000	El Dorado
Planning	Fish Screens Fish Passage	Closed	1997	1575000	San Joaquin
Monitoring Acquisition	Local Watershed Stewardship Riparian Habitat Lo	Closed	1998	3500000	Sacramento
Full-Scale Implementation	Fish Passage	Closed	1998	188255	Sacramento
Full-Scale Implementation Planning	Fish Screens	Closed	1998	271250	Solano
Full-Scale Implementation	Local Watershed Stewardship Environmental Educa	Closed	1998	3000	Fresno Kern Kings Madera Mariposa Merced Stanislaus Tulare Tuolumne
Full-Scale Implementation	Local Watershed Stewardship Environmental Educa	Closed	1998	49000	Yolo
Full-Scale Implementation	Environmental Education	Terminated/Cancelled	1998	42000	
Full-Scale Implementation	Environmental Education Non-Native Invasive Spec	Closed	1998	9598	Sacramento
Research Pilot/Demonstration	Ecosystem Water and Sediment Quality Shallow W	Closed	1998	3583000	Contra Costa Sacramento
Research	At-Risk Species Assessment	Closed	1997	194870	Alameda Contra Costa
Research	Ecosystem Water and Sediment Quality	Closed	1998	400000	Butte Colusa Glenn Sacramento Shasta Sutter Tehama Yolo
Research	Ecosystem Water and Sediment Quality	Closed	1998	500000	Fresno Napa Sacramento San Joaquin Sutter Yolo
Planning	Ecosystem Water and Sediment Quality	Closed	1998	24000	Contra Costa Sacramento San Joaquin Solano Yolo
Planning	Ecosystem Water and Sediment Quality	Closed	1998	276000	Contra Costa Sacramento San Joaquin Solano Yolo
Planning	Ecosystem Water and Sediment Quality	Closed	1998	200000	Contra Costa Sacramento San Joaquin Solano Yolo
Research	At-Risk Species Assessment Fish Passage	Closed	1998	285000	Contra Costa Sacramento San Joaquin
Research	At-Risk Species Assessment	Closed	1998	241000	Colusa Contra Costa Del Norte Glenn Humboldt Merced Sacramento San Joaquin St
Research Full-Scale Impleme	Fish Screens	Terminated/Cancelled	1998	200000	Sacramento
Planning	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1998	24000	Sacramento San Joaquin
Planning	Local Watershed Stewardship Shallow Water and N	Closed	1998	244188	Yolo
Planning	Local Watershed Stewardship	Closed	1998	159000	Sacramento San Joaquin
Planning	Local Watershed Stewardship Riparian Habitat Ne	Closed	1998	100500	Solano Yolo
Planning	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1998	25000	Contra Costa San Joaquin
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1998	1900000	Sacramento
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1998	425000	San Joaquin
Acquisition	Riparian Habitat Lowland Floodplains and Bypasses	Closed	1998	750000	Sacramento
Pilot/Demonstration Plannin	Lowland Floodplains and Bypasses	Terminated/Cancelled	1999	820679	
Monitoring	Shallow Water and Marsh Habitat	Terminated/Cancelled	1999	912309	Solano
Research	Shallow Water and Marsh Habitat	Closed	1999	1042246	Contra Costa Marin Napa Sacramento San Joaquin Solano Sonoma Yolo
Planning	Ecosystem Water and Sediment Quality Hydrodyna	Closed	1999	866408	San Joaquin
Research	Ecosystem Water and Sediment Quality Estuary Fo	Closed	1999	1392669	Alameda Contra Costa Sacramento San Joaquin Solano Yolo
Research Monitoring	Non-Native Invasive Species Estuary Foodweb Proc	Closed	1999	147799	Contra Costa Sacramento San Joaquin Solano
Research Monitoring	Harvestable Species Assessment At-Risk Species As	Closed	1999	37860	Merced San Joaquin Solano
Planning	Local Watershed Stewardship Riparian Habitat Lo	Closed	1999	800000	Sacramento
Planning	Lowland Floodplains and Bypasses	Terminated/Cancelled	1999		

Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon
Delta smelt Longfin smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Western pond turtle Native resident fishes
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Sacramento splittail Swainson's hawk Waterfowl and Shorebirds
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Delta smelt Green sturgeon Winter-run Chinook salmon Spring-run Chinook salmon Central Valley steelhead Swainson's hawk Giant garter snake
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Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Neotropical migratory birds Aqu
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Delta smelt Sacramento splittail Valley elderberry longhorn beetle Swainson's hawk Sacramento perch Giant garter snake Western pond turtle F
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Delta smelt Sacramento splittail Fall-run Chinook salmon Swainson's hawk Greater sandhill crane Giant garter snake Western pond turtle Native
California yellow warbler Western yellow-billed cuckoo Little willow flycatcher
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Delta smelt Sacramento splittail Fall-run Chinook salmon Migratory waterfowl Neotropical migratory birds Planktonic (foodweb) organisms Aquat
Fall-run Chinook salmon Native resident fishes Anadromous salmonids
Planktonic (foodweb) organisms Aquatic habitat plant community Tidal brackish and freshwater marsh habitat Potential applicability to all species
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Fall-run Chinook salmon
Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Native resident fishes Neotropical migratory b

Agricultural Lands Fresh Emergent Wetland Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Delta Sloughs Perennial Grassland Invasive Riparian Marsh P
Fresh Emergent Wetland Midchannel Islands and Shoals Tidal Perennial Aquatic Habitat Dredging and Sediment Disposal Disturbance Invasive Aquatic Plants
Midchannel Islands and Shoals Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Essential Fish Habitats Levees, Bridges and Bank Protection
Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Levees, Bridges and Bank Protection Disturbance
Agricultural Lands Fresh Emergent Wetland Riparian and Riverine Aquatic Habitats Seasonal Wetlands Perennial Grassland
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Bay-Delta Hydrodynamics Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Stranding Bay-Delta Aquatic Foodweb Essential Fish Habitats
Bay-Delta Aquatic Foodweb Contaminants
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Dams and Other Structures Water Diversions Freshwater Fish Habitats Essential Fish Habitats
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Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Nontidal Perennial Aquatic Habitat Invasive Aquatic Plants
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Artificial Fish Propagation
Bay-Delta Aquatic Foodweb Contaminants
Contaminants
Dredging and Sediment Disposal Contaminants Disturbance
Dredging and Sediment Disposal Contaminants Disturbance
Dredging and Sediment Disposal Contaminants Disturbance
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Bay-Delta Hydrodynamics Central Valley Streamflows Coarse Sediment Supply Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal We
Agricultural Lands Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Nontidal Perennial Aquatic Habitat Freshwater Fish Habitats Essential Fish Habitats No
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Agricultural Lands Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Perennial Grassland
Riparian and Riverine Aquatic Habitats
Dams and Other Structures
Fresh Emergent Wetland Midchannel Islands and Shoals Saline Emergent Wetland Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Delta Sloughs Essential Fish Habitats
Bay-Delta Hydrodynamics Contaminants
Bay-Delta Aquatic Foodweb Contaminants
Invasive Aquatic Organisms Midchannel Islands and Shoals Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Delta Sloughs Freshwater Fish Habitats
Central Valley Stream Temperatures Contaminants Fish and Wildlife Harvest Artificial Fish Propagation
Central Valley Streamflows Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Stream Meander Essential Fish Habitats

Other																			
Other																			
Selenium																			
Turbidity and Sedimentation																			
Turbidity and Sedimentation																			
Freshwater Fish Habitats Essential Fish Habitats Non-native Wildlife																			
Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation Other																			
Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors																			
Other																			
Toxicity of Unknown Origin and Contaminants																			
Toxicity of Unknown Origin and Contaminants																			
Toxicity of Unknown Origin and Contaminants Nutrients and Oxygen Depleting Substances Persistent Organic Contaminants Mercury Trace Metals Selenium Salinity Turbidity and Sedimentation Pesticides Other																			
Toxicity of Unknown Origin and Contaminants Nutrients and Oxygen Depleting Substances Persistent Organic Contaminants Mercury Trace Metals Selenium Salinity Turbidity and Sedimentation Pesticides Other																			
Toxicity of Unknown Origin and Contaminants Nutrients and Oxygen Depleting Substances Persistent Organic Contaminants Mercury Trace Metals Selenium Salinity Turbidity and Sedimentation Pesticides Other																			
Nutrients and Oxygen Depleting Substances																			
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Turbidity and Sedimentation																			
Other																			
Turbidity and Sedimentation Pesticides																			
Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation Other																			
Nutrients and Oxygen Depleting Substances Turbidity and Sedimentation Organic Carbon and Disinfection Byproduct Precursors																			
Organic Carbon and Disinfection Byproduct Precursors																			
Nutrients and Oxygen Depleting Substances Salinity Turbidity and Sedimentation																			

ERP-99-F03		\$860,000	7/30/2002 0:00	12/31/2004 0:00	Part B: The McCormack-Williamson Tract's Wildlife-Friendly Levee Management Project	The Nature Conservancy
ERP-99-F04		\$5,250,000	7/30/2002 0:00	12/31/2004 0:00	Part A: The McCormack-Williamson Tract Acquisition	The Nature Conservancy
ERP-99-F08		\$201,306	9/30/2002 0:00		Purple Loosestrife Prevention, Detection and Control Actions for the Sacramento-San Joaquin River Delta System and A	California Department of Food and Agriculture
ERP-99-F09		\$250,000	2/28/2001 0:00	9/30/2006 0:00	Introduced Spartina Eradication Project	State Coastal Conservancy
ERP-99-N03		\$1,100,000	10/1/2002 0:00	9/30/2003 0:00	East Delta Habitat Corridor, Tidal Marsh and Riparian Habitat Restoration	Habitat Assessment & Restoration Team, Inc.
ERP-99-N06		\$1,546,016	1/1/2003 0:00	6/30/2003 0:00	Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Pr	University of California, Davis
ERP-99-N07		\$673,684	1/1/2003 0:00	1/30/2006 0:00	Chronic Toxicity of Environmental Contaminants in Sacramento Splittail: A Biomarker Approach	University of California, Davis
ERP-99-N08		\$1,586,894	10/31/2002 0:00	12/29/2003 0:00	Assessment of Pesticide Effects on Fish and their Food Resources in the Sacramento-San Joaquin Delta	University of California, Berkeley
ERP-99-N09		\$653,384	3/19/2003 0:00	3/31/2004 0:00	Effects of Introduced Species of Zooplankton and Clams on the Bay-Delta Food Web	California State University, San Francisco Romberg Ti
ERP-99-N10		\$113,033	10/15/2002 0:00	5/1/2003 0:00	Assessing Ecological and Economic Impacts of the Chinese Mitten Crab	Regents of the University of California
ERP-99-N11		\$127,473	10/12/2002 0:00	12/31/2003 0:00	Purple Loosestrife Prevention, Detection and Control Actions for the Sacramento - San Joaquin River Delta System and	California Department of Food and Agriculture
ERP-99-N11b		\$49,865	12/31/2003 0:00	12/31/2003 0:00	Purple Loosestrife Prevention, Detection and Control Actions for the Sacramento - San Joaquin River Delta System and	California Department of Food and Agriculture
ERP-99-N13		\$74,951	1/1/2002 0:00	11/30/2004 0:00	Development of a Comprehensive Implementation Plan for a Statistically-Designed Marking/Tagging and Recovery Prog	California Department of Fish and Game
ERP-99-N13b		\$74,249	9/30/2003 0:00	1/31/2004 0:00	Development of a Staged Implementation Plan for Coordinated Marking of Chinook Salmon at Sacramento River Syster	California State University, Humboldt
ERP-99-N15		\$227,000	6/30/2002 0:00	6/30/2002 0:00	Lower Mokelumne River Watershed Stewardship Plan Program (Phase II/III)	San Joaquin County Resource Conservation District
	Total	\$231,642,431			as of 2013, as found online at government websites-DELTA projects only	

Pilot/Demonstration Plannin	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1997	860000	Sacramento
Acquisition	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1997	5250000	Sacramento
Full-Scale Implementation PI	Non-Native Invasive Species	Closed	1999	201306	Various
Full-Scale Implementation	Shallow Water and Marsh Habitat Non-Native Inva	Closed	1999	250000	Alameda Contra Costa Marin Napa Sacramento San Francisco San Mateo Santa Clara
Full-Scale Implementation	Riparian Habitat Shallow Water and Marsh Habitat	Closed	1999	1100000	Sacramento
Research	Ecosystem Water and Sediment Quality Hydrodyna	Closed	1999	1546016	Amador Calaveras El Dorado Sacramento San Joaquin
Research	Ecosystem Water and Sediment Quality	Closed	1999	673684	Contra Costa Sacramento Solano
Research Pilot/Demonstratic	Ecosystem Water and Sediment Quality At-Risk Spe	Closed	1999	1586894	Contra Costa Merced Sacramento San Joaquin Solano Yolo
Research	Non-Native Invasive Species Estuary Foodweb Proc	Closed	1999	653384	
Research Monitoring	Non-Native Invasive Species	Closed	1999	113033	Alameda Contra Costa Marin Napa San Francisco San Joaquin San Mateo Santa Clara
Research Full-Scale Impleme	Environmental Education Non-Native Invasive Spec	Closed	1999	127473	Various
Research Full-Scale Impleme	Environmental Education Non-Native Invasive Spec	Closed	1999	49865	Various
Planning	Harvestable Species Assessment	Closed	1999	74951	Butte Merced Sacramento San Joaquin Shasta
Planning	Harvestable Species Assessment At-Risk Species As	Closed	1999	74249	Butte Merced Sacramento San Joaquin Shasta Sonoma
Planning	Local Watershed Stewardship	Closed	1999	227000	Sacramento San Joaquin

Spring-run Chinook salmon Central Valley steelhead Anadromous salmonids
Delta smelt Green sturgeon Sacramento splittail Fall-run Chinook salmon Swainson's hawk Greater sandhill crane Giant garter snake Western pond turtle
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead
Soft birds-beak California clapper rail California black rail Salt marsh harvest mouse Neotropical migratory birds
Delta smelt Longfin smelt Sacramento splittail Fall-run Chinook salmon Central Valley steelhead Neotropical migratory birds Aquatic habitat plants
Green sturgeon Sacramento splittail Fall-run Chinook salmon Central Valley steelhead Swainson's hawk Greater sandhill crane Western yellow-billed cuckoo
Sacramento splittail
Delta smelt Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Planktonic (foodweb) organisms Striped bass
Delta smelt Longfin smelt Planktonic (foodweb) organisms Striped bass
California freshwater shrimp Grass shrimp Signal crayfish
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead
Delta smelt Longfin smelt Green sturgeon Sacramento splittail Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Winter-run Chinook salmon Spring-run Chinook salmon Fall-run Chinook salmon Central Valley steelhead Anadromous salmonids
Sacramento splittail Fall-run Chinook salmon Central Valley steelhead Valley elderberry longhorn beetle Swainson's hawk Riparian brush rabbit Golden-crowned kinglet

Agricultural Lands Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Levees, Bridges and Bank Protection
Agricultural Lands Fresh Emergent Wetland Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Disturbance
Fresh Emergent Wetland Riparian and Riverine Aquatic Habitats Invasive Riparian Marsh Plants
Tidal Perennial Aquatic Habitat Bay-Delta Aquatic Foodweb Invasive Riparian Marsh Plants
Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Tidal Perennial Aquatic Habitat Levees, Bridges and Bank Protection Invasive Riparian Marsh Plants
Central Valley Streamflows Bay-Delta Aquatic Foodweb
Contaminants
Riparian and Riverine Aquatic Habitats Bay-Delta Aquatic Foodweb Essential Fish Habitats Contaminants
Invasive Aquatic Organisms Bay-Delta Aquatic Foodweb
Invasive Aquatic Organisms Bay-Delta Aquatic Foodweb Levees, Bridges and Bank Protection
Agricultural Lands Fresh Emergent Wetland Midchannel Islands and Shoals Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Saline Emergent Wetland Seasonal Wetland
Agricultural Lands Fresh Emergent Wetland Midchannel Islands and Shoals Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Saline Emergent Wetland Seasonal Wetland
Artificial Fish Propagation
Fish and Wildlife Harvest Artificial Fish Propagation
Agricultural Lands Natural Floodplain and Flood Processes Riparian and Riverine Aquatic Habitats Seasonal Wetlands Tidal Perennial Aquatic Habitat Nontidal Perennial Aquatic Habitat Freshwater

Turbidity and Sedimentation												
Toxicity of Unknown Origin and Contaminants												
Pesticides												
Other												
Other												
Turbidity and Sedimentation Pesticides												