

\$108,307,580 funded as of 10/7/2013 for CALFED ERP for SF Bay area projects according to the webiste found at <https://nrm.dfg.ca.gov/ERP/projects.aspx>

<u>ERPNumber</u>	<u>DFGContractNum</u>	<u>TotalFundingAmou</u>	<u>AmendedEndDate</u>	<u>ProjectName</u>	<u>Recipient</u>	<u>ProjectType</u>
BDCP-09D-S02	P0883005	\$350,000	6/30/2012 0:00	Historical Ecology for the Sacramento-San Joaquin Delta	Aquatic Science Center	Research
BDCP-10D-S01	E1083007	\$500,000	12/31/2013 0:00	Yolo Heritage Program	Yolo County	Planning
CVPIA-04-V01		\$1,500,000		San Joaquin River Riparian Habitat Restoration Program	U.S. Fish and Wildlife Service	Full-Scale Implementation
ERP-01-C17		\$46,400		Complete and Purchase Publication of Proceedings from the International Congress on Ecosystem Health, Titled: Managing for Hea	University of California, Davis	Full-Scale Implementation
ERP-01-N36		\$216,550	12/30/2003 0:00	Traveling Film Festival and Exhibition/San Joaquin River Oral History Film	Independent Documentary Group	Full-Scale Implementation
ERP-01-N39		\$592,884	9/30/2004 0:00	Adopt-A-Watershed Leadership Institute	Adopt-A-Watershed	Full-Scale Implementation
ERP-01-N41		\$126,668	3/31/2004 0:00	Bay-Delta Learning Initiative	Water Education Foundation	Full-Scale Implementation
ERP-01-N43	P0685623	\$827,000	12/30/2005 0:00	Genetic Identification of Watershed-Dependent Species of Special Concern in the Central Valley	California State University, San Francisco	Research
ERP-01D-C18		\$295,000		Data Integration of Water Quality and Fish Tissue Mercury Data in the Bay-Delta Watershed	California Department of Water Resources	Monitoring
ERP-01D-C20		\$149,982		Water Quality Criteria and Toxicity Identification Profiles for Current-Use Pesticides in the Bay-Delta Watershed	Central Valley Regional Water Quality Control Board	Research
ERP-02-C06-a	P0685576	\$2,668,091	6/30/2008 0:00	Transport, Cycling, and Fate of Mercury and Monomethyl Mercury in the San Francisco Delta and Tributaries: An Integrated Mass B	San Jose State University Foundation	Research Monitoring
ERP-02-C06-b	P0685583	\$1,213,121	6/30/2008 0:00	Transport, Cycling, and Fate of Mercury and Monomethyl Mercury in the San Francisco Delta and Tributaries: An Integrated Mass B	San Jose State University Foundation	Research Monitoring
ERP-02-P01		\$1,518,395	6/30/2006 0:00	Adopt-A-Watershed Leadership Development, Next Phase	Adopt-A-Watershed	Full-Scale Implementation
ERP-02-P11		\$1,497,500	6/30/2006 0:00	Cultivating Watershed Stewardship	FARMS Leadership, Inc.	Full-Scale Implementation
ERP-02-P17	P0685549	\$356,876	7/31/2007 0:00	Songbird Population Responses to Riparian Management and Restoration at Multiple Scales: Comparative Analysis, Predictive Mod	Point Reyes Bird Observatory	Monitoring
ERP-02-P30	P0685561	\$747,741	5/30/2010 0:00	Hydroclimatic Reconstruction and Ancient Blue Oak Mapping over the Drainage Basin of San Francisco Bay	University of Arkansas	Research
ERP-02-P34	P0685574	\$424,246	1/30/2007 0:00	Restoration of Sacramento Perch to San Francisco Estuary	Regents of the University of California	Research
ERP-02-P42	P0685567	\$800,000	1/4/2008 0:00	Pyrethroid Insecticides: Analysis, Occurrence, and Fate in the Sacramento and San Joaquin Rivers and Delta	U.S. Geological Survey	Research
ERP-02-P43		\$360,000		Tiered Public Outreach Program	Water Education Foundation	Full-Scale Implementation
ERP-02D-C12	P0685578	\$5,337,012	6/30/2014 0:00	Mercury in San Francisco Bay-Delta Birds: Trophic Pathways, Bioaccumulation and Ecotoxicological Risk to Avian Reproduction	U.S. Fish and Wildlife Service	Research Monitoring
ERP-02D-P55	P0685521	\$2,488,003	9/30/2007 0:00	Physical Modeling Experiments to Guide River Restoration Projects	Stillwater Sciences	Research
ERP-02D-P56	P0685522	\$478,395	6/30/2013 0:00	West Coast Ballast Outreach Project	Regents of the University of California	Full-Scale Implementation
ERP-02D-P64	P0685529	\$328,136	3/31/2008 0:00	Expanded Prevention, Detection, and Control of Purple Loosestrife in the California Bay-Delta Authority Watershed	California Department of Food and Agriculture	Full-Scale Implementation
ERP-02D-P67	P0685531	\$4,513,819	1/31/2009 0:00	A Pilot Program for Monitoring, Stakeholder Involvement, and Risk Communication Relating to Mercury in Fish in the Bay-Delta Wa	San Francisco Estuary Institute	Monitoring
ERP-03-C01		\$82,610	9/30/2004 0:00	Research, Outreach, and Education on Fish Contamination in the Sacramento-San Joaquin Delta Watershed	Department of Health Services	Research Planning
ERP-03-C02	P0685581	\$657,391	12/31/2007 0:00	Programmatic Quality Assurance and Quality Control for CBDA Mercury Research and Monitoring Projects	California Department of Fish and Game	Monitoring
ERP-03-C05	R0485501	\$1,500,000		Suisun Marsh Plan, DRERIP and ERP Projects Database support	California Department of Fish and Game	Planning
ERP-04-C01		\$154,263	12/31/2006 0:00	Support Services Agreement - (Oversight and Coordination) - Inter-jurisdictional Personnel Exchange Agreement to secure the servi	Resources Legacy Fund Foundation	Full-Scale Implementation
ERP-04D-C03		\$600,000		Delta Regional Ecosystem Restoration Implementation Plan	California Department of Fish and Game	Planning
ERP-04D-C07		\$1,700,000		Fish Passage Improvement Program Budget Change Proposal	California Department of Water Resources	Planning
ERP-04D-C08		\$148,000		Nonnative Invasive Species and Wildlife Friendly Agriculture	California Department of Food and Agriculture	Planning
ERP-04D-C09		\$300,000		Database Strategy Development and Implementation	California Department of Fish and Game	Planning
ERP-04D-C10		\$1,300,000		Upper Yuba River Studies Augmentation	California Department of Water Resources	Research
ERP-04D-C13		\$384,413		Web-Based Proposal Submission Review and Management System	Regents of the University of California, Merced	Planning
ERP-04D-C14	P0685627	\$2,815,659	6/30/2011 0:00	Web Based Proposal Submission and Review System	Regents of the University of California, Davis	Planning
ERP-05-S30	E0983002	\$175,228	12/30/2014 0:00	A Socio-Economic and Behavioral Analysis of Farmers'™ Decisions to Adopt or Reject the CALFED Conservation Initiatives	Sonoma State University	Research
ERP-05D-S19	P0685607	\$104,828	6/30/2009 0:00	CMARP Phase III Technical Support	San Francisco Estuary Institute	Planning Monitoring
ERP-06D-S17	P0685514	\$749,283	6/30/2011 0:00	CALFED NIS Program	U.S. Fish and Wildlife Service	Full-Scale Implementation Planning
ERP-09D-P01	E0920010	\$193,982		M&T/Llano Seco Fish Screen Facility-Short Term Protection Project	Ducks Unlimited	Planning
ERP-10D-S01	E1083004	\$1,307,000	3/31/2014 0:00	Fish Passage Improvement Program	California Department of Water Resources	Full-Scale Implementation Planning
ERP-11-S05	E1283002	\$489,343		Managing Natural Resources for Adaptive Capacity: the Central Valley Chinook Salmon Portfolio	University of California, Berkeley	Research
ERP-11-S19	E1183005	\$1,530,550		Corona and Twin Peaks Mine Drainage Treatment Project	Tuleyome, Inc.	Research Full-Scale Implementation
ERP-11D-S01	E1120006	\$2,480,610		M&T/Llano Seco Fish Screen Facility Long-Term Protection Project (Phase IV)	Ducks Unlimited	Planning
ERP-11D-S20	E1120012	\$542,640		M&T/Llano Seco Fish Screen Facility Short-Term Protection Project-Environmental Compliance	Ducks Unlimited	Planning

ERP-96-M11		\$300,000	6/30/2000 0:00	Molecular Genetic Identification of Chinook Salmon Runs Focused on Spring-run Integrity	California Department of Water Resources	Research
ERP-96-M14				Clear Creek Property Acquisition	Bureau of Land Management	Acquisition
ERP-96-M15		\$197,000		Invasions of the Bay-Delta Estuary: Developing a Research Program to Address the Introduction of Nonindigenous Aquatic Species	San Francisco Estuary Institute	Research Monitoring
ERP-96-M18		\$110,000		Effects of Toxics on Central Valley Chinook Salmon	Phyllis Fox & Associates	Research Monitoring
ERP-96-M20		\$100,000		Fish Screen Project	Banta-Carbona Irrigation District	Planning
ERP-97-C10		\$1,037,899		Stanislaus River Chinook Salmon Habitat Restoration Actions, Willms Site	California Department of Fish and Game	Full-Scale Implementation
ERP-97-C12		\$1,221,145	7/31/2002 0:00	Evaluation of Alternative Pesticide Use Reduction Practices and Impacts on Water Quality	University of California, Davis	Research Planning Monitoring
ERP-97-M01		\$200,000		Wilson Ranch Fish Screen Project	Desert Farms of California	Full-Scale Implementation Planning Mo
ERP-97-N15				Mokelumne River Setback Levee and Habitat Restoration	Reclamation District 2110	Full-Scale Implementation
ERP-97-N20		\$1,680,631	6/30/2001 0:00	Implementing Programs to Reduce the Use of Pesticides and Fertilizers in Sacramento and San Joaquin Watersheds, BIOS/LFN Strat	Community Alliance with Family Farmers	Full-Scale Implementation Planning Mo
ERP-98-B12				San Francisco Bay Area wetlands ecosystem goals project	None Assigned	Planning
ERP-98-B15		\$625,000	6/30/2002 0:00	Evaluation of Increasing Tagging Levels for Chinook Salmon and Steelhead and a Demonstration Project on Mass Marking	Northwest Marine Technology Inc	Research Pilot/Demonstration
ERP-98-B31		\$54,000		Arrange, Publicize and Produce a Six-Film Environmental Festival and Exhibit Highlighting the Bay-Delta Environment	Independent Documentary Group	Full-Scale Implementation
ERP-98-B36		\$40,000	12/31/2001 0:00	Development and Implementation of an Environmental Education Program to Include Slide Cards, Journalism Tours, and Secondary	Water Education Foundation	Full-Scale Implementation
ERP-98-B39		\$64,500	12/31/2001 0:00	Water Challenge 2010 Exhibit	U.S. Army Corps of Engineers	Full-Scale Implementation
ERP-98-C06		\$67,753	3/31/2001 0:00	Water Quality Criteria for Chlorpyrifos and Diazinon	California Department of Fish and Game	Research
ERP-98-C10		\$800,000	12/31/1999 0:00	Comprehensive Monitoring Assessment and Research Program - CMARP	California Department of Water Resources	Monitoring
ERP-98-F05				Stanislaus River Salmon Habitat Restoration Action (Willms Site)		Full-Scale Implementation
ERP-99-B06		\$3,800,000	6/30/2003 0:00	Assessment of Ecological and Human Health Impacts of Mercury in the Bay-Delta Watershed	San Jose State University Foundation	Research Monitoring
ERP-99-B22		\$50,500	6/30/2002 0:00	Water Challenge 2010 Exhibit	U.S. Army Corps of Engineers	Full-Scale Implementation
ERP-99-B24		\$50,000		Arrange, Publicize and Produce a Six-Film Environmental Festival and Exhibit Highlighting the Bay-Delta Environment	Independent Documentary Group	Full-Scale Implementation
ERP-99-B26		\$32,300	11/30/2000 0:00	1999/2000 Bay-Delta Education Program	Water Education Foundation	Full-Scale Implementation
ERP-99-C01			8/31/2006 0:00	Cosumnes River Feasibility Study		Planning
ERP-99-F05		\$50,000	11/30/2004 0:00	Non-native Invasive Species Advisory Council	U.S. Fish and Wildlife Service	Planning
ERP-99-F06		\$105,466	5/31/2003 0:00	Reducing the Risk of Importation and Distribution on Nonindigenous Invasive Species Through Outreach and Education	University of California, Davis	Full-Scale Implementation
ERP-99-F07		\$100,000	6/30/2005 0:00	Zebra Mussel Detection & Outreach Program	California Department of Water Resources	Full-Scale Implementation Monitoring
ERP-99-F10		\$76,725	7/31/2002 0:00	Practical Guidebook to Prevent and Control Non-native Invasive Plants in Shallow Water Habitats of the Bay-Delta Ecosystem	San Francisco Estuary Institute	Full-Scale Implementation
ERP-99-N02		\$823,000	3/31/2002 0:00	Fish Treadmill Developed Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fishes		Research Monitoring
ERP-99-N12		\$70,636	12/31/2003 0:00	Central Valley Steelhead Genetic Evaluation	California Department of Fish and Game	Research Monitoring
SCI-01-C136		\$4,777,684		Mult-dimensional hydrodynamic modeling and field experiments at Mildred Island and Franks Tract Sites.	U.S. Geological Survey	Research Technical Support
SCI-01-C169		\$7,200,000		Science Fellows	University of California, San Diego	Research
SCI-01-C29AA		\$10,000		ABAG: CALFED Science Conference (Frederic H. Nichols)		Planning Education
SCI-01-C29AB		\$12,079	6/30/2002 0:00	ABAG: California Water and Environmental Modeling Forum (John G. Williams)	California Water and Environmental Modeling Forum	Monitoring Technical Support
SCI-02-C29P		\$198,000	5/30/2005 0:00	ABAG: Sea Grant Program (Linda E. Duguay)	University of Southern California	Planning
SCI-02-G79		\$130,000	10/26/2007 0:00	Video on "Tidal Flows in the Bay Delta: A New Paradigm for Understanding the Ecoystem"	Water Education Foundation	Education
SCI-03-C102		\$228,751		Development of a Simulation Model of Juvenile Salmon Movement in the Sacramento-San Joaquin Delta (James Hobbs)	University of California, Berkeley	Research
SCI-03-C103		\$166,376		Development of a Simulation Model of Juvenile Salmon Movement in the Sacramento-San Joaquin Delta (Annjanette Dodd)		Research
SCI-03-C104		\$97,150		A Mechanistic Model to Evaluate and Improve Riparian Restoration Success (John Stella)	University of California, Berkeley	Research
SCI-03-C105		\$111,750		Determining the Factors Controlling Site Invasibility to Perennial Pepperweed (Andrew Margaret)	University of California, Davis	Research
SCI-03-C106		\$161,636		Using Stratigraphic and Hydrologic Data from the Yuba River System to Develop Reliable Sediment Transport Predictions (Noah Sny	U.S. Geological Survey	Research
SCI-03-C107		\$280,851		The Influence of Aquatic vs. Terrestrial Production on Soil Invertebrate Communities in a Floodplain Ecosystem (Sandra Clinton)	University of California, Berkeley	Research
SCI-03-C110		\$230,175		Protistan Microzooplankton In the Suisun Bay Food Web: Source Or Sink? (Gretchen Rollwagen Bollens)	University of Washington	Research
SCI-03-C29D		\$16,500		ABAG: Campeau Communications	Independent	Technical Support Education
SCI-03-C29T		\$44,700	5/30/2005 0:00	ABAG: Central Valley Salmonid Recovery Planning Technical Workshop (Bernie May)		Technical Support Education
SCI-03-C62		\$293,448	12/31/2006 0:00	Restoration and Monitoring Chinnok Salmon	Oregon State University	Research
SCI-04-C135		\$23,393	10/6/2004 0:00	City of Sacramento Convention Center Agreement	City of Sacramento	Planning
SCI-04-C19		\$140,000	6/30/2006 0:00	Ecological Evaluation of the Yolo Bypass to Support Floodplain Restoration: Evaluating Potential for Pesticide Effects	U.S. Geological Survey	Research Monitoring

SCI-04-C21		\$418,000	6/30/2006 0:00	Evaluation of the Decreased Survival of Chinook Salmon Smolts in Old River	University of California, Davis	Research Monitoring
SCI-04-C29W		\$100,000		ABAG: Restoration of Floodplains in California's Central Valley: science, management and policy. A workshop series on the ecosystem	University of California, Davis	Technical Support Education
SCI-04-G72		\$22,550	9/30/2006 0:00	Develop & Recommend Implementation of Actions for Obtaining Outside Experts	Cooperative Personnel Services	Planning
SCI-05-C05-214		\$679,631		A Statistical Model of Central Valley Chinook Incorporating Uncertainty		Research
SCI-05-C07-295		\$1,400,000	6/30/2011 0:00	How Abiotic Processes, Biotic Processes, and Their Interactions Sustain Habitat Characteristics and Functions in River Channels and	University of California, Santa Barbara	Research
SCI-05-C10-179		\$197,689		Chinook Salmon Rearing in the San Francisco Bay-Delta System: Identification of Geochemical Markers to Determine Delta Use	University of California, Berkeley	Research
SCI-05-C100		\$250,153		Modeling Nutrient and Organic Carbon Loads and Sources in Central Valley Watersheds: Taking Existing Monitoring Data to the Next	California State University, Humboldt	Research
SCI-05-C101		\$228,750		The Application of Otolith Geochemistry to Determine Stock Structure, Survival and the Relative Impact of Water Exports on the Th	University of California, Davis	Research
SCI-05-C102		\$228,750		Restoring Non-Equilibrium Riparian Communities in Disturbance-Altered Ecosystems: Implications for River Management and Clima	University of California, Berkeley	Research
SCI-05-C103		\$111,750		Determining the Factors Controlling Site Invasibility to Lepidium Latifolium (Margaret Andrew)	University of California, Davis	Research Monitoring
SCI-05-C104		\$129,375		Effects of Water Temperature, Streamflow and Food Availability on the Growth, Survival and Movement of Central Valley Juvenile	University of California, Santa Cruz	Research
SCI-05-C105		\$129,239		Addressing Stakeholder Concerns: Pests and Pest Control in the Sacramento River Conservation Area (Suzanne Langridge)	University of California, Santa Cruz	Research Monitoring
SCI-05-C106		\$107,679		Long-term Geomorphic Effects of Dams on Rivers in the Central Valley of California: A Comprehensive and Comparative Approach (University of California, Berkeley	Research
SCI-05-C107		\$24,855		CALFED Science Conference 2006	City of Sacramento	Planning
SCI-05-C11-122		\$500,000	6/30/2010 0:00	Biomass and Toxicology of A New Established Bloom of the Cyanobacteria Microcystis Aeruginosa and its Potential Impact on Bene	California Department of Water Resources	Research
SCI-05-C12-107		\$1,170,000	12/31/2010 0:00	Foodweb Support for the Threatened Delta Smelt and Other Estuarine Fishes in Suisun Bay and the Western Sacramento-San Joaqui	California State University, San Francisco	Research
SCI-05-C18		\$332,431	6/30/2007 0:00	Evaluating the Status of Our Nation's Stream Restoration Efforts: National River Restoration Science Synthesis (NRRSS)	University of California, Berkeley	Research
SCI-05-C24		\$2,449,847	12/31/2006 0:00	Integrated Regional Wetland Monitoring Pilot Project (Primary Agreement)	California State University, San Francisco	Research Monitoring
SCI-05-C25		\$7,200,000	11/30/2006 0:00	CALFED Science Fellows Program	University of California, San Diego	Research
SCI-05-C30		\$1,436,946	12/31/2011 0:00	Rates and Evolution of Peat Accretion (RE-PEAT) in the Sacramento-San Joaquin Delta, California	U.S. Geological Survey	Research
SCI-05-C99		\$200,125		Development of A Simulation Model of Juvenile Salmon Movement in the Sacramento-San Joaquin Delta (Annajnette Dodd)	California State University, Humboldt	Research
SCI-05-G01-84		\$1,662,870	9/30/2009 0:00	CASCaDE: Computational Assessments of Scenarios of Change for the Delta Ecosystem	U.S. Geological Survey	Research
SCI-05-G09-318		\$143,640	12/31/2008 0:00	Are 'Apparent' Sex Reversed Chinook Salmon A Symptom of Genotoxicity?	University of California, Davis	Research Monitoring
SCI-05-G65		\$10,000		Create a Public Education Framework for Describing and Teaching About San Francisco Bay-Delta Estuary Science	San Francisco Estuary Institute	Education
SCI-05-G74		\$1,320,900	12/31/2010 0:00	(DRERIP) Support for Scientific input to Regional Planning. Interagency agreement between USBR and USGS. (Russel Graham)	U.S. Geological Survey	Research Technical Support
SCI-06-C02-106		\$997,027		Modeling the Delta Smelt Population of the San Francisco Estuary	California State University, San Francisco	Research
SCI-06-C03-140		\$1,209,216	12/31/2010 0:00	Life History Variation in Steelhead Trout and the Implications for Water Management	University of California, Santa Cruz	Research Monitoring
SCI-06-C04-111		\$1,167,141	12/31/2010 0:00	Identifying the Causes of Feminization of Chinook Salmon in the Sacramento and San Joaquin River System	University of California, Berkeley	Research Monitoring
SCI-06-C08-313		\$1,499,859	6/30/2011 0:00	Survival And Migratory Pattern Of Central Valley Juvenile Salmonids	University of California, Davis	Research Monitoring
SCI-06-C111		\$166,652	12/31/2008 0:00	Performance Measure Staff Assistance (Elizabeth Soderstrom)	Natural Heritage Institute	Planning Technical Support
SCI-06-C13-332		\$159,158	6/30/2011 0:00	Phytoplankton Communities in the San Francisco Estuary: Monitoring and Management Using A Submersible Spectrofluorometer	California Department of Water Resources	Research Monitoring
SCI-06-C133		\$28,875	6/30/2011 0:00	Bay-Delta Science Seminar Series.	Regents of the University of California	Education
SCI-06-C134				Sub-contract to Integrated Regional Wetland Monitoring Pilot Project	Marin Audubon Society	Research Monitoring
SCI-06-C56		\$129,365		Estimating Route-Specific Survival and Distribution of Juvenile Salmonids Migrating Through the Sacramento-San Joaquin River Delta	U.S. Geological Survey	Research
SCI-06-C57		\$129,375		Validation of a New Method for Population Assessment of Pacific Salmonids Using Genetic Markers (Anthony Clemento)	University of California, Santa Cruz	Research
SCI-06-C58		\$152,500		Prey Selection of Larval and Juvenile Planktivorous Fish in the San Francisco Estuary (Lindsay Sullivan)	San Francisco State University	Research
SCI-06-C59		\$123,285		Role of Exotics as Ecosystem Engineers Affecting Estuarine Food Webs in Suisun Marsh (Christine Whitcraft)	San Francisco State University	Research
SCI-06-C64		\$191,875		The Impacts of Global Climate Change on Delta Fishes: Predicting Fish Abundance, Distribution and Community Changes (Christa W	University of California, Davis	Research
SCI-06-C65		\$152,500		Heterotrophic Bacteria and the Foodweb of the Low Salinity Zone and Salt Marsh Habitats of the San Francisco Estuary (Alexander	San Francisco State University	Research
SCI-06-C66		\$191,439		Mercury Interactions With Algae: Effects On Mercury Bioavailability in the San Francisco Bay Delta (Allison Luengen)	University of California, Santa Cruz	Research
SCI-06-C67		\$228,750		Measuring and Predicting the Success of Riparian Restoration for Wildlife Populations: accomodating uncertainty and complexity (J	University of California, Davis	Research
SCI-06-C68		\$139,963		Temperature and Salinity Effects on the Physiology of White Sturgeon (Brain Sardella)	University of California, Davis	Research
SCI-06-C69		\$200,625		Temporal and Spatial Patterns in Abundance and Production in Pelagic Organisms in the Low Salinity Zone (Suisun Marsh, Bay and I	University of California, Davis	Research
SCI-06-G06-299		\$83,100	4/1/2008 0:00	Review of Four Juvenile Salmon Coded Wire Tag Experiments Conducted in the Delta.	U.S. Fish and Wildlife Service	Research
SCI-07-C135-42		\$390,869	12/31/2011 0:00	A Calibration-Free Approach to Modeling Delta Flows and Transport	University of California, Berkeley	Research
SCI-07-C136-65		\$500,000	6/30/2011 0:00	Do Low Phytoplankton Growth Rates Signal the "Bad" Habitat Conditions in Suisun Bay Driving the Pelagic Organism Decline?	San Francisco State University	Research

SCI-07-C137-70		\$790,000	6/30/2011 0:00	A Non-Point Source of Contaminants to the Estuarine Food Web	University of South Carolina	Research
SCI-07-C138-26		\$430,870	6/30/2011 0:00	Predicting the Effects of Invasive Hydrozoa (Jellyfish) on Pelagic Organisms Under Changing Salinity and Temperature Regimes	Regents of the University of California, Davis	Research
SCI-07-C139-53		\$200,975	6/30/2011 0:00	The Transport and Dispersion of Rafting Vegetation in the Sacramento-San Joaquin Delta	University of California, Berkeley	Research
SCI-07-C140-78		\$219,822	12/31/2010 0:00	Analysis of Archived Samples to Assess Patterns of Historic Invasive Bivalve Biomass	California Department of Water Resources	Research
SCI-07-C141-22		\$299,422		Trouble? Trends of Rising and Unexpected Bloom Levels in the Estuary	U.S. Geological Survey	Research
SCI-07-C142-40		\$646,848	6/30/2011 0:00	Climate Change Impacts to San Francisco Bay-Delta Wetlands: Links to Pelagic Food Webs and Predictive Responses Based on Land	San Francisco State University	Research
SCI-07-C143-84		\$483,904		Estimating Juvenile Chinook Salmon Spring and Winter Run Abundance at Chipps Island	U.S. Fish and Wildlife Service	Research
SCI-07-C143-84		\$483,904	6/30/2011 0:00	Estimating Juvenile Chinook Salmon Spring and Winter Run Abundance at Chipps Island	U.S. Fish and Wildlife Service	Research
SCI-07-C144-25		\$700,000	12/31/2010 0:00	Quantitative Indicators and Life History Implications of Environmental Stress on Sturgeon	University of California, Davis	Research
SCI-07-C145-28		\$116,927	6/30/2010 0:00	The Consequences of Operational Decisions on Water Quality: Reconciling Delta Smelt, Salmon, and Human Needs	Contra Costa Water District	Research
SCI-07-C146-56		\$150,000	6/30/2011 0:00	Using FlowCam Technology to Measure High Frequency Spatial and Temporal Variation in Phytoplankton and Zooplankton Monitor	Independent	Research
SCI-07-C147-60		\$395,700	6/30/2011 0:00	Spatial and Temporal Quantification of Pesticide Loadings to the Sacramento River, San Joaquin River, and Bay-Delta to Guide Risk	California Department of Water Resources	Research
SCI-07-C148-68		\$669,995	7/15/2010 0:00	Pilot Mark-Recapture Study to Estimate Delta Smelt Pre-screen Loss and Salvage Efficiency	U.S. Fish and Wildlife Service	Research
SCI-07-C149		\$20,000		Development and Implementation of Life-Cycle Models of Striped Bass in the Bay-Delta Watershed (Kenneth Rose)	Independent	Research
SCI-07-C150		\$20,000		Development and Implementation of Life-Cycle Models of Striped Bass in the Bay-Delta Watershed (James Cowan)	Independent	Research
SCI-07-C162		\$310,000		Support of State of Science Report, Stage 1 Decision-Water Quality	Brown & Caldwell	Research Technical Support
SCI-07-C163		\$4,000		Strategic Application of Biomarkers to the Pod Decline (Susan Anderson)	Hanson and Associates	Research
SCI-07-C164		\$8,000		Subcontract to "Strategic Application of Biomarkers to the POD Decline" (Gary Cherr)	Independent	Research
SCI-07-C165		\$8,000		Subcontract to "Strategic Application of Biomarkers to the POD Decline (Daniel Schlenk)	Independent	Research Technical Support
SCI-07-C166		\$8,000		Subcontract to "Strategic Application of Biomarkers to the POD Decline" (Evan Gallagher)		Research
SCI-07-C183		\$20,685		2008 Science Conference (Sacramento Convention Center)	City of Sacramento	Education
SCI-07-G121		\$25,000	4/30/2008 0:00	San Francisco Estuary and Watershed Science Journal	Independent	Technical Support Education
SCI-07-G133		\$73,678	9/30/2009 0:00	Fish Population Responses to Future Climate Change: Contributions to Cascade	University of California, Davis	Research Monitoring Technical Support
SCI-07-G134		\$30,586	12/31/2009 0:00	ISI Web of Science (Thomson)	Thomson Scientific	Education
SCI-07-G143		\$4,900	12/31/2008 0:00	DRERIP Action Team Member Vetting Phase (alex Fremier)	Independent	Research Technical Support
SCI-07-G144		\$20,000	2/23/2010 0:00	DRERIP Action Team Champion Vetting Phase (Mark, Stacey)	Independent	Research Technical Support
SCI-08-C201		\$228,750		Modeling Physical Drivers and Age Structure of Cottonwood Forest Habitat: An Integrated Systems Approach (Alex Fremier)		Research
SCI-08-C202		\$129,124		Endocrine Disruption in the Delta: Confirming Sites' Known Estrogenicity with Outplants, Histology, and Choriogenin Level Measure	University of California, Davis	Research
SCI-08-C203		\$215,759		Investigating the Lower Trophic Levels of Suisun Bay Food Web: A Biomarker-Specific Isotope Approach (Susan Lang)	University of California, San Diego	Research
SCI-08-C204		\$125,750		Tidal wetland vegetation response to climate change in the San Francisco Bay-Delta (Lisa Schile)	University of California, Berkeley	Research
SCI-08-C205		\$114,063		Environmental Water: Developing Indicators and Identifying Opportunities (Sarah Hughes)	University of California, Santa Barbara	Research
SCI-08-C206		\$107,812		Nutrients and Benthic Invasion Dynamics in San Francisco Bay (Heide Weiskel)	University of California, Davis	Research
SCI-08-C207		\$475,133	6/30/2011 0:00	San Francisco Estuary & Watershed Science on-line Journal	University of California, Davis	Education
SCI-08-C223		\$164,765		Linking Freshwater Sources of California Chinook Salmon to Their Ocean Distribution Using Physical and Natural Tags of Origin (Ra	University of California, Santa Cruz	Research
SCI-08-C224		\$121,500		Copper-Binding Organic Ligands in the San Francisco Bay Estuary: Evaluating Current and Future Likelihood of Copper Toxicity Even	Scripps Institution of Oceanography	Research
SCI-08-C225		\$165,000		Effects of Freshwater Flow and Population Connectivity on Benthic Community Dynamics in the San Francisco Estuary (Andrew Chan	University of California, Davis	Research
SCI-08-C226		\$125,100		Investigating the Frequency and Magnitude of Floods in the Sacramento-San Joaquin Valleys Under Changing Climate (Tapash Das)		Research
SCI-08-C227		\$164,931		Trophic Impacts of Microcystis on Crustacean Zooplankton Community of the Delta (Kernal Ali Ger)	Romberg Tiburon Center for Environmental Studies	Research
SCI-08-C228		\$164,620		Environmental Controls on the Distribution of Harmful Algae and Their Toxins in the San Francisco Bay (Cecile Mioni)	University of California, Santa Cruz	Research
SCI-08-C229		\$164,798		Plankton Dynamics in the Sacramento-San Joaquin Delta: Long-Term Trends and Trophic Interactions (Monika Winder)	University of California, Davis	Research
SCI-08-C230		\$92,174		Frequency, Distribution and Ecological Impact of Cryptic Hybrid Invaders: Management Tools for Eradication of Invasive Spartina (L	University of California, Davis	Research
SCI-08-C231		\$98,753		Climate Change and In-Stream Flows: Methods for Application of Risk Analysis to Modeling of Environmental Water Supplies (Mich	University of California, Berkeley	Research
SCI-08-C232		\$98,375		Scenarios for Restoring Ecologically Functional Floodplains and Providing Flood Control Services in the Sacramento-San Joaquin Del	University of California, Berkeley	Research
SCI-08-C234		\$92,195		Reconstructing Climate Variability, Acidity and Water Availability in the Sacramento-San Joaquin Watershed Based on Isotopic Evid	University of California, Santa Cruz	Research
SCI-08-C235		\$98,750		Pilot-Scale Evaluation of an Iron Sediment Amendment for Control of Mercury Methylation in Tidal Wetlands (Patrick Ulrich)	University of California, Berkeley	Research
SCI-10-C246		\$228,092		The Role of the San Francisco Bay-Delta in Juvenile Rearing for Winter and Springrun Chinook Salmon, to be Determined by Otolith	University of California, Berkeley	Research
SCI-10-C258		\$300,000				Acquisition

SCI-10-G237		\$63,500	12/31/2011 0:00	Facilitation of Completion and Publication of DRERIP Conceptual Models (Bruce Digennaro)	Essex Partnership LLC	Planning
		\$108,307,580				

<u>TopicArea</u>	<u>ProjectStatus</u>	<u>ProposalY</u>	<u>StartDate</u>	<u>OriginalEndDate</u>	<u>AmendedEndDate</u>	<u>County</u>	<u>Species</u>
Technical Support	Closed			12/30/2010 0:00	6/30/2012 0:00		
At-Risk Species Assessment	Ongoing			3/31/2012 0:00	12/31/2013 0:00		
Riparian Habitat							
Environmental Education	Closed	2001	11/15/2001 0:00	12/31/2002 0:00			
Environmental Education	Closed	2001	7/20/2001 0:00	1/10/2003 0:00	12/30/2003 0:00	Various	Delta smelt Sacramento splittail Spring-run Chi
Local Watershed Stewardship Environmental Education	Closed	2001	7/18/2001 0:00	2/1/2004 0:00	9/30/2004 0:00	Alameda Butte Colusa Contra Costa Fresno Glenn Madera	Winter-run Chinook salmon Spring-run Chinook s
Environmental Education	Closed	2001	7/3/2001 0:00	1/31/2004 0:00	3/31/2004 0:00	All counties	
At-Risk Species Assessment	Closed	2001	8/3/2001 0:00	5/1/2004 0:00	12/30/2005 0:00	Alameda Alpine Amador Butte Calaveras Colusa Contra C	California yellow warbler Saltmarsh common yel
Ecosystem Water and Sediment Quality	Terminated/Car	2001	7/1/2004 0:00	1/31/2006 0:00			
Ecosystem Water and Sediment Quality	Closed	2001	7/1/2004 0:00	6/30/2006 0:00			
Ecosystem Water and Sediment Quality	Closed	2002	4/1/2003 0:00	3/31/2006 0:00	6/30/2008 0:00	All counties	California clapper rail Striped bass Non-native v
Ecosystem Water and Sediment Quality	Closed	2002	4/1/2003 0:00	3/31/2006 0:00	6/30/2008 0:00	All counties	California clapper rail Striped bass Non-native v
Local Watershed Stewardship Environmental Education	Closed	2002	1/1/2003 0:00	12/31/2005 0:00	6/30/2006 0:00	Butte Calaveras Fresno Glenn Lake Modoc Sacramento Shasta Solano Stanislaus Tehama Yolo	
Local Watershed Stewardship Environmental Education Upland Habitat and	Closed	2002	1/1/2003 0:00	12/31/2005 0:00	6/30/2006 0:00	Butte Colusa Fresno Glenn Marin Sacramento Solano Sonoma Tehama Yolo	
Riparian Habitat	Closed	2002	9/1/2003 0:00	8/30/2006 0:00	7/31/2007 0:00	Butte Colusa Fresno Glenn Kern Kings Madera Sacrame	California yellow warbler Least Bell's vireo Wes
Hydrodynamics, Sediment Transport, and Flow Regimes At-Risk Species Asses	Closed	2002	12/1/2003 0:00	11/30/2006 0:00	5/30/2010 0:00	Alpine Amador Butte Calaveras Colusa Contra Costa El Dorado Fresno Glenn Inyo Kern Kings Lake	
At-Risk Species Assessment	Closed	2002	8/1/2003 0:00	7/31/2005 0:00	1/30/2007 0:00	Alameda Lake Mono Sacramento Solano Yolo	Sacramento perch
Ecosystem Water and Sediment Quality At-Risk Species Assessment	Closed	2002	1/5/2004 0:00	1/4/2007 0:00	1/4/2008 0:00	Butte Colusa Contra Costa Merced Sacramento San Joaquir	Delta smelt Winter-run Chinook salmon Spring
Environmental Education	Closed	2002	7/1/2003 0:00	6/30/2006 0:00		Alameda Alpine Amador Butte Calaveras Colusa El Dorado Fresno Glenn Humboldt Imperial Inyo K	
Ecosystem Water and Sediment Quality	Ongoing	2002	7/1/2004 0:00	6/30/2007 0:00	6/30/2014 0:00	Alameda Contra Costa Lassen Marin Modoc Napa Sacram	Shorebird guild Wading bird guild Waterfowl at
Hydrodynamics, Sediment Transport, and Flow Regimes River Channel Restor	Closed	2002	10/1/2003 0:00	9/30/2006 0:00	9/30/2007 0:00	Contra Costa	Delta smelt Longfin smelt Green sturgeon Sa
Environmental Education Non-Native Invasive Species	Closed	2002	4/1/1961 0:00	5/31/2007 0:00	6/30/2013 0:00	Alameda Contra Costa Marin Sacramento San Francisco San Mateo Santa Clara	
Non-Native Invasive Species	Closed	2002		6/30/2007 0:00	3/31/2008 0:00	All counties	Potential applicability to all species
Ecosystem Water and Sediment Quality Environmental Education	Closed	2002		11/14/2007 0:00	1/31/2009 0:00	Alameda Amador Butte Calaveras Colusa Contra Costa El	Striped bass Non-native warmwater gamefish
Ecosystem Water and Sediment Quality Environmental Education	Closed	2003	1/1/2003 0:00	12/31/2003 0:00	9/30/2004 0:00	Lake Placer Sacramento San Joaquin Yolo	
Ecosystem Water and Sediment Quality	Closed	2003	11/1/2003 0:00	12/31/2006 0:00	12/31/2007 0:00		
Administrative or Program Support	Closed			6/30/2006 0:00			
Technical Support	Closed		6/1/2004 0:00	5/31/2006 0:00	12/31/2006 0:00		
Shallow Water and Marsh Habitat	Closed			9/30/2007 0:00			
Fish Passage							
Upland Habitat and Wildlife Friendly Agriculture Non-Native Invasive Species							
Technical Support							
Hydrodynamics, Sediment Transport, and Flow Regimes	Terminated/Cancelled						
Administrative or Program Support	Closed			12/31/2006 0:00			
Administrative or Program Support	Closed			11/30/2006 0:00	6/30/2011 0:00		
Local Watershed Stewardship Upland Habitat and Wildlife Friendly Agriculture	Ongoing	2005		12/30/2012 0:00	12/30/2014 0:00	All counties	
Ecosystem Water and Sediment Quality Environmental Water Management	Closed			6/30/2008 0:00	6/30/2009 0:00		Striped bass
Non-Native Invasive Species	Closed	2006		6/30/2009 0:00	6/30/2011 0:00	All counties	Potential applicability to all species
Hydrodynamics, Sediment Transport, and Flow Regimes Fish Screens Upland	Closed			6/30/2011 0:00			Spring-run Chinook salmon
Fish Passage	Ongoing			6/30/2012 0:00	3/31/2014 0:00		Spring-run Chinook salmon Fall-run Chinook salm
At-Risk Species Assessment	Funded but not	2010		9/30/2015 0:00			Fall-run Chinook salmon
Mine Remediation				2/1/2015 0:00		Napa	
Fish Screens	Ongoing			9/1/2014 0:00		Butte	Sacramento splittail Winter-run Chinook salmon
Hydrodynamics, Sediment Transport, and Flow Regimes Fish Screens Upland	Ongoing			6/30/2014 0:00			

Harvestable Species Assessment At-Risk Species Assessment	Closed	1996		6/30/1999 0:00	6/30/2000 0:00	Various	Winter-run Chinook salmon Spring-run Chinook s
Riparian Habitat	Terminated/Cancelled						
Non-Native Invasive Species	Closed	1996		2/1/1999 0:00		All counties	Delta smelt Longfin smelt Green sturgeon Sac
Ecosystem Water and Sediment Quality	Terminated/Car	1996					Striped bass
Fish Screens	Terminated/Car	1996					
Lowland Floodplains and Bypasses	Terminated/Car	1997	9/1/1998 0:00	12/1/2002 0:00			Fall-run Chinook salmon
Ecosystem Water and Sediment Quality Environmental Education	Closed	1997	8/12/1998 0:00	12/31/2003 0:00	7/31/2002 0:00	Butte Colusa Glenn Merced Sacramento San Joaquin Star	Planktonic (foodweb) organisms
Fish Screens	Terminated/Car	1997					Delta smelt Longfin smelt Green sturgeon Sac
Riparian Habitat Lowland Floodplains and Bypasses	Terminated/Cancelled						
Ecosystem Water and Sediment Quality Local Watershed Stewardship	Closed	1997	7/20/1998 0:00	6/30/2001 0:00	6/30/2001 0:00	Colusa Fresno Glenn Kern Kings Madera Merced San Joaquin Solano Stanislaus Yolo	
Shallow Water and Marsh Habitat	Terminated/Car	1998					
Harvestable Species Assessment At-Risk Species Assessment	Closed	1998	8/20/1998 0:00	6/30/2002 0:00	6/30/2002 0:00	Various	Winter-run Chinook salmon Spring-run Chinook s
Environmental Education	Closed	1998		12/31/2001 0:00		Alameda Contra Costa Marin Napa San Francisco San Mate	Winter-run Chinook salmon Central Valley steelh
Local Watershed Stewardship Environmental Education	Closed	1998		12/31/2001 0:00	12/31/2001 0:00	All counties	Winter-run Chinook salmon Spring-run Chinook s
Environmental Education	Closed	1998	1/1/1999 0:00	12/31/2001 0:00	12/31/2001 0:00	All counties	Delta smelt Longfin smelt Green sturgeon Sac
Ecosystem Water and Sediment Quality	Closed	1997	3/3/1999 0:00	6/30/1999 0:00	3/31/2001 0:00		Delta smelt Longfin smelt Green sturgeon Sac
Ecosystem Water and Sediment Quality Harvestable Species Assessment Rip	Closed	1998	5/1/1998 0:00	6/30/1999 0:00	12/31/1999 0:00		
River Channel Restoration	Terminated/Cancelled						
Ecosystem Water and Sediment Quality	Closed	1999	9/30/1999 0:00	9/30/2002 0:00	6/30/2003 0:00		Striped bass Non-native warmwater gamefish V
Environmental Education	Closed	1999	1/1/1999 0:00	12/31/2001 0:00	6/30/2002 0:00	Various	Delta smelt Longfin smelt Green sturgeon Sac
Environmental Education	Closed	1999	12/10/1999 0:00	12/31/2001 0:00		Alameda Contra Costa Marin Napa San Francisco San Mate	Delta smelt Sacramento splittail Winter-run Ch
Local Watershed Stewardship Environmental Education	Closed	1999	2/25/1999 0:00	9/30/2000 0:00	11/30/2000 0:00	All counties	Delta smelt Longfin smelt Green sturgeon Sac
Lowland Floodplains and Bypasses	Terminated/Cancelled				8/31/2006 0:00		
Non-Native Invasive Species	Closed	1999	8/20/1999 0:00	11/30/2002 0:00	11/30/2004 0:00		Potential applicability to all species
Environmental Education Non-Native Invasive Species	Closed	1999	5/18/2000 0:00	2/28/2002 0:00	5/31/2003 0:00	Alameda Sacramento San Francisco San Joaquin	Potential applicability to all species
Environmental Education Non-Native Invasive Species	Closed	1999	10/11/2000 0:00	9/30/2003 0:00	6/30/2005 0:00		Delta smelt Sacramento splittail Planktonic (fo
Environmental Education Non-Native Invasive Species	Closed	1999		9/30/2001 0:00	7/31/2002 0:00	All counties	
Harvestable Species Assessment Fish Screens At-Risk Species Assessment F	Closed	1999	2/16/2000 0:00	3/31/2001 0:00	3/31/2002 0:00	Various	Delta smelt Longfin smelt Sacramento splittail
Harvestable Species Assessment At-Risk Species Assessment	Closed	1999	12/10/1999 0:00	6/1/2002 0:00	12/31/2003 0:00	Various	Central Valley steelhead
Administrative or Program Support	Closed			6/14/2004 0:00		Alameda Butte Colusa	
Administrative or Program Support	Ongoing			10/31/2011 0:00			
Administrative or Program Support	Closed			6/30/2003 0:00			
Administrative or Program Support	Closed			6/30/2002 0:00	6/30/2002 0:00		
Administrative or Program Support	Closed			8/31/2003 0:00	5/30/2005 0:00		
Environmental Education	Closed			10/14/2003 0:00	10/26/2007 0:00		
Environmental Water Management Fish, Delta Smelt	Closed	2005		8/8/2008 0:00			
Fish, Salmonids Modeling	Ongoing	2005		8/31/2008 0:00			
Riparian Habitat Modeling	Closed	2003		11/30/2005 0:00			
Non-Native Invasive Species	Closed	2005		8/31/2008 0:00			
Hydrodynamics, Sediment Transport, and Flow Regimes Rivers and Streams	Closed	2003		11/30/2004 0:00			
Aquatic Foodwebs	Closed	2003		6/1/2006 0:00			
Aquatic Foodwebs	Closed	2003		7/31/2006 0:00			
Administrative or Program Support	Closed			1/31/2004 0:00			
Administrative or Program Support	Closed			5/30/2004 0:00	5/30/2005 0:00		
Administrative or Program Support	Closed			3/31/2006 0:00	12/31/2006 0:00		
Administrative or Program Support	Closed			10/6/2004 0:00	10/6/2004 0:00		
Administrative or Program Support	Closed			6/30/2005 0:00	6/30/2006 0:00		

Administrative or Program Support	Closed			5/31/2004 0:00	6/30/2006 0:00	
Administrative or Program Support	Closed			4/30/2005 0:00		
Administrative or Program Support				9/30/2006 0:00	9/30/2006 0:00	
Fish, Salmonids Modeling	Closed	2004		1/1/2009 0:00		
Riparian Habitat Hydrodynamics, Sediment Transport, and Flow Regimes Fish	Ongoing	2004		5/31/2009 0:00	6/30/2011 0:00	Stanislaus
Fish, Salmonids	Ongoing	2004		1/1/2008 0:00		
Modeling Organic Carbon	Closed	2005		8/31/2008 0:00		
At-Risk Species Assessment Administrative or Program Support	Closed	2005		8/31/2008 0:00		
Riparian Habitat Climate Change	Closed	2005		8/31/2008 0:00		
Non-Native Invasive Species Administrative or Program Support	Closed	2005		8/31/2008 0:00		
Environmental Water Management Fish, Salmonids	Closed	2005		8/31/2008 0:00		
Riparian Habitat	Closed	2005		8/31/2008 0:00		
Rivers and Streams	Closed	2005		8/31/2008 0:00		
Administrative or Program Support	Closed			10/25/2006 0:00		
Contaminants Aquatic Foodwebs	Ongoing	2004		6/30/2008 0:00	6/30/2010 0:00	
Fish, Delta Smelt Aquatic Foodwebs	Ongoing	2004		12/31/2008 0:00	12/31/2010 0:00	
Administrative or Program Support	Closed			6/30/2006 0:00	6/30/2007 0:00	
River Channel Restoration Administrative or Program Support	Closed			12/31/2005 0:00	12/31/2006 0:00	
Administrative or Program Support	Closed			11/30/2005 0:00	11/30/2006 0:00	
Carbon Sequestration	Ongoing			6/30/2007 0:00	12/31/2011 0:00	Solano
Administrative or Program Support	Closed	2005		8/31/2008 0:00		
Climate Change	Closed	2004		2/28/2009 0:00	9/30/2009 0:00	
Contaminants Fish, Salmonids	Closed	2004		12/31/2008 0:00	12/31/2008 0:00	
Environmental Education	Closed			5/30/2005 0:00		
Administrative or Program Support	Ongoing			9/30/2007 0:00	12/31/2010 0:00	
Fish, Delta Smelt Modeling	Closed	2004		3/31/2009 0:00		Marin
Environmental Water Management Fish, Salmonids	Ongoing	2004		1/1/2009 0:00	12/31/2010 0:00	
Contaminants Fish, Salmonids	Ongoing	2004		12/31/2009 0:00	12/31/2010 0:00	
Fish, Salmonids	Ongoing	2004		1/31/2009 0:00	6/30/2011 0:00	
Administrative or Program Support	Closed			10/31/2008 0:00	12/31/2008 0:00	
Aquatic Foodwebs	Ongoing	2004		3/15/2008 0:00	6/30/2011 0:00	
Environmental Education	Ongoing			12/31/2009 0:00	6/30/2011 0:00	
Administrative or Program Support	Ongoing			12/31/2006 0:00		
Fish, Salmonids Modeling	Ongoing	2006		10/31/2009 0:00		
Fish, Salmonids	Ongoing	2006		10/31/2009 0:00		
Fish, Delta Smelt	Ongoing	2006		10/31/2009 0:00		
Non-Native Invasive Species Aquatic Foodwebs	Ongoing	2006		2/28/2009 0:00		
Climate Change Fish, All	Ongoing	2006		5/31/2010 0:00		
Aquatic Foodwebs	Closed	2006		10/31/2008 0:00		
Contaminants	Ongoing	2006		12/31/2009 0:00		
Riparian Habitat		2006		10/31/2009 0:00		
Non-Native Invasive Species Fish, Sturgeon Aquatic Foodwebs	Ongoing	2006		1/31/2009 0:00		
Fish, Delta Smelt	Ongoing	2006		11/30/2009 0:00		
Environmental Water Management Fish, Salmonids	Closed	2004		12/1/2007 0:00	4/1/2008 0:00	
Hydrodynamics, Sediment Transport, and Flow Regimes Modeling	Ongoing	2006		6/30/2010 0:00	12/31/2011 0:00	San Joaquin
Aquatic Foodwebs	Ongoing	2006		4/15/2010 0:00	6/30/2011 0:00	Contra Costa

Contaminants	Ongoing	2006		6/30/2010 0:00	6/30/2011 0:00	Contra Costa	
Non-Native Invasive Species	Ongoing	2006		3/31/2010 0:00	6/30/2011 0:00	Contra Costa	
Hydrodynamics, Sediment Transport, and Flow Regimes Non-Native Invasive Species	Ongoing	2006		6/30/2010 0:00	6/30/2011 0:00	Contra Costa	
Non-Native Invasive Species Aquatic Foodwebs	Ongoing	2006		3/31/2010 0:00	12/31/2010 0:00	Marin	
Administrative or Program Support	Closed	2006		10/31/2010 0:00			
Climate Change Modeling Wetlands Aquatic Foodwebs	Ongoing	2006		3/31/2010 0:00	6/30/2011 0:00	Contra Costa	
Administrative or Program Support	Ongoing			8/31/2010 0:00			
Fish, Salmonids	Ongoing	2006		8/31/2010 0:00	6/30/2011 0:00	Contra Costa	
Fish, Sturgeon	Closed	2006		3/31/2010 0:00	12/31/2010 0:00	Yolo	
Fish, Delta Smelt Fish, Salmonids Water Quality	Ongoing	2006		12/31/2008 0:00	6/30/2010 0:00	Marin	
Aquatic Foodwebs	Ongoing	2006		12/31/2009 0:00	6/30/2011 0:00	Sacramento	
Contaminants	Ongoing	2006		6/30/2010 0:00	6/30/2011 0:00	Contra Costa	
Environmental Water Management Fish, Delta Smelt	Closed	2006		12/31/2009 0:00	7/15/2010 0:00	Contra Costa	
Administrative or Program Support	Closed			12/31/2007 0:00			
Administrative or Program Support	Closed			12/31/2007 0:00			
Administrative or Program Support	Closed			6/30/2007 0:00			
Administrative or Program Support	Closed			12/31/2007 0:00			
Administrative or Program Support	Closed			12/31/2007 0:00			
Administrative or Program Support	Closed			12/31/2007 0:00			
Administrative or Program Support	Closed			12/31/2007 0:00			
Administrative or Program Support	Ongoing			10/24/2008 0:00			
Administrative or Program Support	Closed			7/31/2007 0:00	4/30/2008 0:00		
Administrative or Program Support	Closed			2/28/2009 0:00	9/30/2009 0:00		Chinook Coho Steelhead Coastal cutthroat (a
Administrative or Program Support	Ongoing			12/31/2007 0:00	12/31/2009 0:00		Steelhead
Administrative or Program Support	Closed			12/31/2008 0:00	12/31/2008 0:00		
Administrative or Program Support	Ongoing			12/31/2008 0:00	2/23/2010 0:00		
Riparian Habitat	Funded but not	2008		2/28/2011 0:00			
Contaminants Fish, Others	Funded but not	2007		10/1/2010 0:00			
Aquatic Foodwebs	Funded but not	2007		8/31/2010 0:00			
Climate Change Tidal Wetlands	Funded but not	2007		8/31/2010 0:00			
Environmental Water Management	Funded but not	2007		12/1/2010 0:00			
Non-Native Invasive Species Aquatic Foodwebs	Funded but not	2007		2/1/2010 0:00			
Environmental Education Administrative or Program Support	Ongoing			1/31/2011 0:00	6/30/2011 0:00		
Fish, Salmonids	Ongoing	2009		5/31/2010 0:00			
Contaminants	Ongoing	2009		8/31/2010 0:00			
Hydrodynamics, Sediment Transport, and Flow Regimes Aquatic Foodwebs	Ongoing	2009		4/30/2010 0:00			
Environmental Water Management Climate Change	Ongoing	2009		9/30/2010 0:00			
Aquatic Foodwebs	Ongoing	2009		12/31/2010 0:00			
Aquatic Foodwebs	Ongoing	2009		8/31/2010 0:00			
Aquatic Foodwebs	Ongoing	2009		9/30/2010 0:00			
Non-Native Invasive Species	Ongoing	2009		8/31/2010 0:00			
Environmental Water Management Climate Change	Ongoing	2009		8/31/2010 0:00			
Environmental Water Management Floodplain	Ongoing	2009		8/31/2010 0:00			
Climate Change	Ongoing	2009		12/31/2010 0:00			
Contaminants	Ongoing	2009		12/31/2010 0:00			
Fish, Salmonids	Ongoing			6/30/2012 0:00			
Administrative or Program Support				11/30/2010 0:00			

Modeling	Ongoing			12/31/2010 0:00	12/31/2011 0:00		

<u>EcoSystemElement</u>	<u>WaterQualityConstituent</u>	<u>TotalFundingAmount</u>
Fresh Emergent Wetland Midchannel Islands and Shoals Natural Floodplain and Flood Proc		350000
		500000
		1500000
Contaminants	Toxicity of Unknown Origin and Contaminants	46400
Central Valley Streamflows	Other	216550
Central Valley Streamflows Essential Fish Habi	Other	592884
Bay-Delta Hydrodynamics Riparian and Riverin	Other	126668
owthroat California tiger salamander Western pond turtle Western spadefoot toad Nati		827000
Contaminants	Mercury	295000
Contaminants	Toxicity of Unknown Origin and Contaminants	149982
Contaminants	Mercury Turbidity and Sedimentation	2668091
Contaminants	Mercury Turbidity and Sedimentation	1213121
Central Valley Streamflows Essential Fish Habi	Other	1518395
Agricultural Lands		1497500
Agricultural Lands Riparian and Riverine Aquatic Habitats		356876
Bay-Delta Hydrodynamics Central Valley Streamflows		747741
Artificial Fish Propagation		424246
Contaminants	Turbidity and Sedimentation Organic Carbor	800000
Bay-Delta Hydrodynamics Bay-Delta Aquatic Foodweb		360000
Contaminants	Persistent Organic Contaminants Mercury	5337012
Central Valley Streamflows Coarse Sediment Supply Dams and Other Structures Natural F		2488003
Invasive Aquatic Organisms Invasive Aquatic Plants		478395
Riparian and Riverine Aquatic Habitats Invasive Riparian Marsh Plants		328136
Contaminants	Mercury	4513819
Contaminants	Mercury	82610
Contaminants	Mercury	657391
		1500000
		154263.2
		600000
		1700000
Perennial Grassland		148000
		300000
		1300000
		384413
		2815659
Agricultural Lands		175228
		104828
Invasive Aquatic Organisms Invasive Riparian Marsh Plants Zebra Mussel Invasive Aquatic		749283
Seasonal Wetlands Water Diversions Essenti	Turbidity and Sedimentation	193982
on Central Valley steelhead		1307000
		489343
		1530550
Spring-run Chinook salmon Central Valley steelhead Anadromous salmonids		2480610
		542640

Fish and Wildlife Harvest Artificial Fish Propagation		300000	
Invasive Aquatic Organisms Zebra Mussel Invasive Aquatic Plants		197000	
		110000	
		100000	
		1037899	
Agricultural Lands Contaminants	Pesticides	1221145	
Water Diversions		200000	
Agricultural Lands Essential Fish Habitats Cor	Nutrients and Oxygen Depleting Substances	1680631	
Fish and Wildlife Harvest Artificial Fish Propagation		625000	
Central Valley Streamflows	Other	54000	
Essential Fish Habitats Fish and Wildlife Harvest		40000	
Bay-Delta Hydrodynamics Central Valley Streamflows Riparian and Riverine Aquatic Habitat		64500	
Agricultural Lands Contaminants	Pesticides	67753	
Agricultural Lands Bay-Delta Hydrodynamics	Toxicity of Unknown Origin and Contaminants	800000	
Contaminants	Mercury Turbidity and Sedimentation	3800000	
Agricultural Lands Bay-Delta Hydrodynamics	Salinity	50500	
Central Valley Streamflows	Other	50000	
Fresh Emergent Wetland Saline Emergent Wet	Other	32300	
Invasive Aquatic Organisms Bay-Delta Aquatic Foodweb Invasive Riparian Marsh Plants Ze		50000	
Invasive Aquatic Organisms Invasive Riparian M	Other	105466	
Zebra Mussel		100000	
Invasive Aquatic Plants		76725	
Stranding Water Diversions Essential Fish Habitats		823000	
Fish and Wildlife Harvest Artificial Fish Propagation		70636	
		4777684	
		7200000	
		10000	
		12079	
		198000	
		130000	
		228751	
		166376	
		97150	
		111750	
		161636	
		280851	
		230175	
		16500	
		44700	
		293448	
		23392.5	
		140000	

		418000	
		100000	
		22550	
		679631	
		1400000	
		197689	
		250153	
		228750	
		228750	
		111750	
		129375	
		129239	
		107679	
		24855	
		500000	
		1170000	
		332431	
		2449847	
		7200000	
		1436946	
		200125	
		1662870	
		143640	
		10000	
		1320900	
		997027	
		1209216	
		1167141	
		1499858.74	
		166651.72	
		159158	
		28875	
		129365	
		129375	
		152500	
		123285	
		191875	
		152500	
		191439	
		228750	
		139963	
		200625	
		83100	
		390869	
		500000	

		790000	
		430870	
		200975	
		219822	
		299422	
		646848	
		483904	
		483904	
		700000	
		116927	
		150000	
		395700	
		669995	
		20000	
		20000	
		310000	
		4000	
		8000	
		8000	
		8000	
		20685	
		25000	
hadromous and resident)		73678	
		30586	
		4900	
		20000	
		228750	
		129124	
		215759	
		125750	
		114063	
		107812	
		475133	
		164765	
		121500	
		165000	
		125100	
		164931	
		164620	
		164798	
		92174	
		98753	
		98375	
		92195	
		98750	
		228092	
		300000	

		63500	