

TABLE 3 - Program Summary
CALFED Related Programs and Funding

Federal Fiscal Year 2000 Budget Request/State Fiscal Year 1999 - 2000

(dollars in thousands)

CALFED Program Area	Federal Funding	State Funding	Total
Ecosystem Restoration ¹	\$129,466	\$32,375	\$161,841
Water Quality	\$15,822	\$11,705	\$27,527
Water Conservation	\$5,933	\$5,094	\$11,027
Water Recycling	\$64,100	\$7,621	\$71,721
Water Transfers	\$403	\$508	\$911
Levees	\$200	\$10,322	\$10,522
Watershed Mgmt	\$1,534	\$5,392	\$6,926
Storage ²	\$2,150	\$19,628	\$21,778
Conveyance	\$992	\$6,500	\$7,492
Monitoring	\$11,035	\$13,718	\$24,753
Other Non-Ecosystem ³	\$20,000		\$20,000
CALFED Mgmt, Ping, & Special Support ⁴		\$8,000	\$8,000
Total⁵	\$251,635	\$120,863	\$372,498

¹ Includes \$75 million Bay-Delta Act funds in Interior/Reclamation's FY 2000 President's budget request of \$95 million.

² Includes surface storage investigations (\$6.8 million), groundwater/conjunctive use (\$11.9 million), and other water management activities related to storage (\$3.0 million).

³ Includes non-ecosystem funding in Interior/Reclamation's FY 2000 President's budget request of \$95 million.

⁴ Funding for support of the CALFED Bay-Delta Program is divided equally between state (\$8 million) and federal (\$8 million). Federal funding (for targeted CALFED Program areas) is not shown separately but is included in the Bay-Delta Act funds under the ecosystem and non-ecosystem categories above.

⁵ This table does not include \$390 million from CA Prop. 204 which will become available beginning in FY 2000-2001, or funding that may be available from CA Water Bond that is expected to be on the March 2000 ballot.

Funding that is coordinated with CALFED is shown in Table 2 and will be identified in this table with an " * "

TABLE 3 - Agency Summary
CALFED Related Programs and Funding

Federal Fiscal Year 2000 Budget Request/State Fiscal Year 1999 - 2000

(dollars in thousands)

Agency / Program	Ecosystem	Water Quality	Water Conservation	Water Recycling	Water Transfers	Delta Levees	Watershed Mgmt	Storage	Conveyance	Monitoring	Other non-Ecosystem ¹	CALFED Mgmt & Plng ²	Total
USBR	\$106,453	\$10,152	\$2,500	\$29,100	\$403	\$0	\$0	\$2,000	\$670	\$6,060	\$20,000	\$0	\$177,338
USACE	\$11,496	\$1,400	\$0	\$0	\$0	\$200	\$100	\$150	\$0	\$0	\$0	\$0	\$13,346
NRCS	\$3,100	\$1,433	\$3,433	\$0	\$0	\$0	\$1,434	\$0	\$0	\$0	\$0	\$0	\$9,400
NMFS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$322	\$600	\$0	\$0	\$922
USGS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,494	\$0	\$0	\$3,494
USF&W	\$1,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$181	\$0	\$0	\$1,931
USEPA	\$6,667	\$2,837	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$700	\$0	\$0	\$45,204
DWR	\$10,679	\$5,234	\$5,094	\$621	\$408	\$10,322	\$256	\$19,628	\$6,500	\$11,532	\$0	\$8,000	\$70,274
DFG	\$12,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,639	\$0	\$0	\$14,039
State Board	\$1,333	\$3,423	\$0	\$7,000	\$100	\$0	\$5,136	\$0	\$0	\$247	\$0	\$0	\$17,239
CDFA	\$4,343	\$1,848	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,191
Pesticide Reg	\$0	\$1,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300	\$0	\$0	\$1,500
DHS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DBW	\$3,040	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,040
Parks and Rec	\$580	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$580
Total	\$161,841	\$27,527	\$11,027	\$71,721	\$911	\$10,522	\$6,926	\$21,778	\$7,492	\$24,753	\$20,000	\$8,000	\$372,498

¹ Funding of \$20 million for CALFED nonecosystem programs requested in Interior/Reclamation's FY 2000 President's budget request.

² Funding for support of the CALFED Bay-Delta Program is divided equally between state (\$8 million) and federal (\$8 million). Federal funding (for targeted CALFED Program areas) is not shown separately but is included in the Bay-Delta Act funds under the ecosystem and non-ecosystem categories above.

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TABLE 3
CALFED Related Programs

List of Abbreviations	
Bay Delta Act	California Bay Delta Environmental Enhancement Act
Capitalization grants, Clean Water SRF	Capitalization grants for the Clean Water State Revolving Funds under title VI of the Federal Water Pollution Control Act
Capitalization grants, Drinking Water SRF	Capitalization grants for the Drinking Water State Revolving Funds under section 1452 of the Safe Drinking Water Act
CDF	California Department of Forestry and Fire Protection
CDFA	California Department of Food & Agriculture
Corps	U.S. Army Corps of Engineers
CVP	Central Valley Project
CVPIA	Central Valley Project Improvement Act
CVPIA RF	Central Valley Project Improvement Act Restoration Fund
CVRWQCB	Central Valley Regional Water Quality Control Board
CWA	Clean Water Act
CZARA	Coastal Zone Act Reauthorization Amendments
DBP	Disinfection By-Products
DBW	California Department of Boating & Waterways
DHS	California Department of Health Services
DF&A	California Department of Food & Agriculture
DFG	California Department of Fish and Game
DFPF	Delta Flood Protection Fund
DWR	California Department of Water Resources
DPR	California Department of Pesticide Regulation
EPA	Environmental Protection Agency
EQIP	Environmental Quality Improvement Program
ERP	Ecosystem Restoration Program
ERPA	Energy Resources Program Account
ESA	Endangered Species Act
EWP	Emergency Watershed Protection
GCID	Glenn-Colusa Irrigation District
GI Program	Energy and Water Appropriations Act, General Investigations
GPS	Global Positioning System
HCP	Habitat Conservation Plan
HUA	Hydrologic Unit Area
ID	Irrigation District
IEP	Interagency Ecological Program
ISI	Integrated Storage Investigation
k	thousand
m	million
MOA	Memorandum of Agreement
NEP	National Estuary Program
NMFS	National Marine Fisheries Service
NRCS	Natural Resources Conservation Service, USDA
O&M	Operation and Maintenance
RRA	Reclamation Reform Act
RRIF	Renewable Resources Investment Fund
SRF	State Revolving Fund
State Board	State Water Resources Control Board

TABLE 3
CALFED Related Programs

SWP	State Water Project -- Funds paid by State Water Contractors
SWRCB	State Water Resources Control Board
Title XVI	Reclamation Wastewater and Groundwater Studies and Facilities Act (Title XVI of Public Law 102-575)
TSCA	Toxic Substances Control Act
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USF&W	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
WD	Water District
WRDA	Water Resources Development Act

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Ecosystem Restoration			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$106,453		
Ecosystem Restoration Activities *	\$75,000	Ecosystem restoration efforts that will build on the FY98 and FY99 CALFED programs, by monitoring prior projects & initiating and implementing new projects approved by CALFED and the Secretary.	Bay Delta Act
Suisun Marsh Protection *	\$2,205	This program continues federal participation with the State of California in construction of facilities for protection and preservation of Suisun Marsh as provided by Public Law 99-646.	Energy and Water
Contra Costa Canal Pumping Plant *	\$100	3406(b)(5) This program is designed to mitigate fishery impacts resulting from operations of the Contra Costa Pumping Plant. It will provide for construction and operation of fish screening and recovery facilities, and for modified practices and operations.	CVPIA, Water and Related Resources
GCID Screening Program *	\$2,252	3406(b)(20) Ongoing program to mitigate for fishery impacts associated with the operations of the Glenn-Colusa Irrigation District's Hamilton City Pumping Plant. Ongoing projects include the replacement of defective fish screens and fish recovery facilities associated with the plant.	CVPIA, Water and Related Resources
Clear Creek Restoration *	\$2,150	3406(b)(12) Restoration activities include increasing minimum flows, erosion control, and passage of anadromous fish beyond the existing site of the McCormick-Saeltzer Dam.	CVPIA, Water and Related Resources (\$100k) & CVPIA Restoration Fund (\$2,050k)
Red Bluff Diversion Dam *	\$2,104	3406(b)(10) Minimize fish passage problems for anadromous fish at the Red Bluff Diversion Dam.	CVPIA, Water and Related Resources
* designates funding that is coordinated with CALFED. These items are also shown in Table 2.			

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CALFED Related Programs

Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
Anadromous Fish Screen Program *	\$3,000	3406(b)(21) Develop and implement measures to avoid losses of juvenile anadromous fish resulting from unscreened or inadequately screened diversions on Central Valley waterways.	CVPIA, Water and Related Resources (\$1m) & CVPIA Restoration Fund (\$2m)
Ecosystem/Water System Operations Modeling *	\$1,000	3406(g) Evaluate the ecologic and hydrologic effects of public and private water facility operations in the Central Valley and Trinity River watersheds. The program will result in ecosystem models which will improve resource management planning, allow for evaluations of adaptive management methods, and permit evaluation of alternative actions and scientific assumptions by all interested parties.	CVPIA, Water and Related Resources
Anadromous Fish Restoration Program *	\$5,180	3406(b)(1) The AFRP's goal is to double the natural production of anadromous fish in Central Valley rivers and streams. \$7 million is the total budget request for FY00. Of this total, it is estimated that \$5,180 applies to CALFED objectives. This is based on identifying the % of applicable funds in the FY99 budget plan supporting CALFED objectives and using the same % as an estimate of funding from the \$7m budget in FY00 that may support CALFED objectives.	CVPIA Restoration Fund
Other CVP Impacts *	\$830	3406(b)(1)other. \$2.7 million is the total budget request for FY00. Of this total, it is estimated that \$830k applies to CALFED objectives. This is based on identifying the % of applicable funds in the FY99 budget plan supporting CALFED objectives and using the same % as an estimate of funding in FY00 that may support CALFED objectives.	CVPIA Restoration Fund
Flow Fluctuation Study *	\$50	3406(b)(9) Program purpose is to eliminate, to the extent possible, losses of anadromous fish due to flow fluctuations caused by the operation of any Central Valley Project (CVP) storage or re-regulation facility.	CVPIA Restoration Fund

TABLE 3
CALFED Related Programs

Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
Spawning Gravel/Riparian Habitat *	\$50	3406(b)(13) Continuing program for the purpose of restoring and replenishing spawning gravel lost due to the construction and operation of Central Valley Project dams, bank protection projects, and other actions that have reduced the availability of spawning gravel and rearing habitat. The geographic locations of the project include the upper Sacramento River from Keswick Dam to Red Bluff Diversion Dam, and the American and Stanislaus rivers downstream from Nimbus and Goodwin dams, respectively.	CVPIA Restoration Fund
Water Acquisition *	\$10,000	Acquire supplement water under section 3406(b)(3) and acquire level 4 refuge water under section 3406(d)(2) to meet fish, wildlife, and habitat restoration goals of the CVPIA.	CVPIA Restoration Fund
Tracy Direct Loss Mitigation Program (Tracy Agreement) *	\$2,400	Agreement between USBR and DFG to reduce and offset direct fish losses associated with the operation of the Tracy Pumping Plant and the Tracy Fish Collection Facility. Plans for this funding will be developed by a committee and recommended for approval by USBR and DFG.	Water and Related Resources
Hydrilla Eradication Program *	\$132	This program is administered in the California Department of Food & Agriculture's Integrated Pest Control Branch. A portion of the funding for this program is contributed by USBR.	Water and Related Resources

TABLE 3
CALFED Related Programs

Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Army Corps of Engineers	\$11,496		
Upper Sacramento River, Murphy Slough	\$791	Riparian habitat restoration on the Sacramento River near Chico Landing.	Section 1135, WRDA 86
Northern California Streams-- Lower Sacramento River Riparian Revegetation	\$200	Restoring vegetation along the Sacramento River.	GI Program
Northern California Streams-- Middle Creek, Lake County	\$150	This study will develop a plan to restore the natural functions of the Middle Creek/Clear Lake ecosystem.	GI Program
Prospect Island *	\$3,062	Tidal wetland restoration in the North Delta that will provide fish and wildlife habitat.	Section 1135, WRDA 86
Napa River, Salt Marsh Restoration *	\$275	Study to restore salt marsh near the mouth of the Napa River.	GI Program
Sac-SJ Comprehensive Study *	\$2,000	This study is evaluating flood control systems on the combined watershed of the Sacramento and San Joaquin Rivers. One of the primary objectives of the study is ecosystem restoration, through possible levee setbacks or enhancement.	GI Program
Putah Creek South Fork Preserve	\$756	Riparian habitat restoration on the Putah Creek South Fork Preserve near Davis.	Section 1135, WRDA 86
San Pablo Bay Watershed	\$200	Watershed survey to identify projects for riparian habitat and wetlands restoration.	GI Program
Cosumnes/Mokelumne Rivers Basin Investigation *	\$50	The purpose of this investigation is to determine the potential for environmental restoration and flood damage reduction in the Cosumnes/Mokelumne Rivers flood plain.	
Hydrilla Eradication Program *	\$60	This program is administered in the California Department of Food & Agriculture's Integrated Pest Control Branch. A portion of the funding for this program is contributed by the Corps.	

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CALFED Related Programs

Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
Sacramento - San Joaquin Delta Special Study *	\$0	This program may have some ecosystem benefits. Funding is included in the Levee section of this table.	GI Program
Pine Flat Dam, Fish and Wildlife	\$225		GI Program
Pine Flat Bypass	\$2,947	The turbine bypass modification would improve the fishery habitat by providing greater control over the temperature of the water released by the dam.	Section 1135, WRDA 86
Hamilton Army Airfield Wetland Restoration	\$480	Restoration of salt marsh and seasonal wetlands.	GI Program
Pacific Flyway Center	\$100	A proposed interpretive facility and wetlands/wildlife restoration within the vicinity of the Yolo Bypass.	Section 206
Wildcat and San Pablo Creeks	\$200	The environmental component of the flood control project for fish passage and riparian habitat.	Section 1135, WRDA 86
Morman Channel- Stockton	\$125	Preliminary study to restore degraded ecosystem and establish self-sustaining aquatic and terrestrial habitat.	Section 1135, WRDA 86
Upper Sacramento River/ Red Bluff-Chico	\$20	Operations and maintenance changes to the Sacto River Flood Control Project to incorporate riparian vegetation into the project.	Section 1135, WRDA 86
Cherokee Canal- Oroville	\$20	Preliminary study--wetland restoration and sediment control.	Section 1135, WRDA 86
Clover Creek- Redding	\$15	Preliminary study to restore wetlands and riparian habitat.	Section 1135, WRDA 86
U. S. Environmental Protection Agency	\$6,667		
Cosumnes River Watershed *	\$6,667	SRF funds for Nature Conservancy land acquisition in the Cosumnes River Watershed. The SRF program is administered through the SWRCB, with 5/6 of the funding from EPA capitalization grants and 1/6 from State matching funds. The funding reported here represents the federal portion of the total (\$8m).	Capitalization Grants, Clean Water SRF

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CALFED Related Programs

Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
Natural Resources Conservation Service	\$3,100		
Wetlands Reserve Program *	\$3,100	Based on FY 99 projections for expenditure in the CALFED geographic area. WRP funds are appropriated annually, subject to an acreage CAP, which also varies between states. Funding in FY 2000 could go up or down depending on the CAP.	Federal Agriculture Improvement & Reform Act of 1996 (the Farm Bill)
U. S. Fish and Wildlife Service	\$1,750		
Fish and Wildlife Planning *	\$1,750	Total budget includes \$450,000 for Region 1 project planning to support California Bay-Delta water and habitat restoration, and \$1.3m budget request for FY200 to be used for Stage 1a planning and implementation.	
Total Ecosystem Federal Funding	\$129,466		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Ecosystem Restoration			
(dollars in thousands)			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$10,679		
Central Valley Project Improvement Program *	\$3,000	These funds are part of the State's cost share for CVPIA fish and wildlife restoration projects.	Prop. 204, Chapter 4, Article 2
Delta Fish Agreement (Four Pumps) *	\$4,099	Provides mitigation funding for additional SWP Delta diversions. Programs or actions include fisheries in the Sacramento-San Joaquin River system, including the Bay-Delta to offset direct losses of striped bass, Chinook salmon, and steelhead. Projects to be funded include the Deer Creek Water Exchange Program (\$1,170k), the San Joaquin River Salmon Barrier (\$47k), Ratzlaff Salmon Habitat Enhancement Project-Merced River (\$1,911k), Magneson Salmon Habitat Project Revegetation, Merced River (\$10k), Spring-Run Salmon Increased Protection Project (\$38k), Mill Creek Water Exchange Project-O&M (\$52k), Deer Creek Water Exchange Project- O&M (\$58k), and the Delta Bay Enhanced Enforcement Project (\$813k).	SWP
San Joaquin River Management Program *	\$198	Coordinate multi-agency efforts to resolve resource problems on the San Joaquin River (flood control, riparian habitat, fisheries, and wildlife.)	Environmental License Plate Fund
Northern California Water Management *	\$482	Funding is for Sacramento River Fishery Restoration (\$187k) and Sacramento River Riparian Conservation (\$295k).	General Fund, RRIF
Integrated Storage Investigations *	\$1,300	\$10 million total for ISI. \$1.3 million is for evaluation of removal of fish migration barriers. The remaining funds are shown in the Storage section.	General Fund

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Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Sacramento Valley Water Management and Habitat Protection Measures *	\$1,600	This program covers activities in the Sacramento Valley to assist in the implementation of the Water Quality Control Plan for the Bay-Delta. A proposed project applicable to CALFED's Ecosystem Program is the Yuba County Water Authority's extension of the intake for the Narrows II Powerhouse at Englebright Dam (\$1,600k). Program requires concurrence from SWRCB for expenditure.	Prop. 204, Chapter 6, Article 5
Hydrilla Eradication Program *	\$347	This program is administered in the Department of Food & Agriculture's Integrated Pest Control Branch. \$347k is the portion funded by the State Water Contractors.	SWP
Department of Fish and Game	\$12,400		
Central Valley Project Improvement Program *	\$11,400	These funds are part of the State's share of capital costs for fish and wildlife restoration projects. Of the \$11.4m total budget, \$6.5m is for fish screens and \$950k is for gravel habitat. \$1.1m is for personnel/staff. Roughly \$2.8m is not yet committed to specific projects.	Prop. 204, Chapter 4, Article 2
Striped Bass Program	\$1,000	These funds are used to support part of the Department of Fish and Game's striped bass research and management activities and to fund specialized equipment and overtime for Department wardens. Funds are generated from the sale of stamps that are required for anglers fishing for striped bass.	Striped Bass Fund
State and Regional Water Control Boards	\$1,333		
Cosumnes River Watershed *	\$1,333	SRF funds for The Nature Conservancy land acquisition in the Cosumnes River Watershed. The SRF program is administered through the SWRCB, with 5/6 of the funding from EPA capitalization grants and 1/6 from State matching funds. The funding reported here represents the State portion of the total (\$8m).	State Revolving Fund Loan Subaccount

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CALFED Related Programs

Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Boating and Waterways	\$3,040		
Egeria aquatic weed management program *	\$2,016	Management program for Egeria in the Sacramento-San Joaquin Delta, its tributaries, and the Suisun Marsh.	Harbors and Watercraft Revolving Fund
Water Hyacinth management program *	\$1,024	Management program for Water Hyacinth in the Sacramento-San Joaquin Delta, its tributaries, and the Suisun Marsh.	Harbors and Watercraft Revolving Fund
Department of Food and Agriculture	\$4,343		
Integrated Pest Control Branch - Hydrilla Eradication Program; Weed and Vertebrate Program; Vertebrate Pest Control Research Program; Biological Control Program. *	\$2,398	Funding reflects an estimate of the portion of total funding related to CALFED goals and objectives. Integrated Pest Control Branch - Hydrilla Eradication Program - \$1,238k; Weed and Vertebrate Program - \$800k; Vertebrate Pest Control Research program - \$80k; Biological Control Program - \$280k. Each of these programs serves to map, monitor, control and eradicate weed and vertebrate pests that adversely impact wildlife habitat, water quality, levee system integrity and the ability to control floods and convey water. Includes interagency coordination activities for Aquatic Nuisance Species.	General Fund; Harbors and Watercraft Revolving Fund; Agricultural Fund; Reimbursable Funds
Pest Exclusion Branch - Exterior quarantine Program (Border Stations); Parcel Inspection Program; Nursery Inspection Program. *	\$1,125	Funding reflects an estimate of the portion of total funding related to CALFED goals and objectives. Border Stations - \$935k; Parcel Inspection Program - \$190k; Nursery Inspection Program - . Each of these programs serve to prevent introductions of exotic pests including aquatic nuisance species into California.	General Fund; Agricultural Fund; Reimbursable Funds
Pest Detection and Emergency Projects Branch - Detection Program; Statewide Trapping Program; Emergency Eradication Program *	\$820	Funding reflects an estimate of the portion of total funding related to CALFED goals and objectives. Detection Program - \$420k; Statewide Trapping Program - \$150k; Emergency Eradication program - \$250k. These programs serve to detect and eradicate introduced pests as early as possible.	General Fund; Agricultural Fund
Department of Parks and Recreation	\$580		
Land Acquisition *	\$580	The acquisition of about 263 acres of wetlands/riparian habitat adjacent to the existing state park property at Delta Meadows. The property is just north of the town of Locke and includes portions of Snodgrass Slough.	Prop. 204, Chapter 4, Article 6
Total Ecosystem State Funding	\$32,375		

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TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Water Quality			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Environmental Protection Agency	\$2,837	EPA provides grant funding to the state, which commits the funding to projects.	
Drinking Water State Revolving Fund Program	\$0	The Drinking Water State Revolving Fund is a low interest loan program that is available to fund projects that improve drinking water. This program is administered through the DHS, with 5/6 of the funding from USEPA's Capitalization Grants and 1/6 from State matching funds. The federal portion of the total budget (\$93 million) is \$77.5 million. Projects that meet CALFED objectives are not expected to be funded in FY 2000.	Capitalization Grants, Safe Drinking Water Act
Nonpoint Source Management Program	\$1,132	Nonpoint source implementation activities in CVRWQCB.	CWA, Section 319 (h)
Water Quality Planning Grants (205j) and Water Quality Management Planning (604b)	\$94	Water quality planning contractual activities and administration. Precise split of funding between CWA Sections 205(j) and 604(b) is not available.	CWA, Section 205(j) & Section 604(b)
National Estuary Program (NEP)	\$225	Funding will be used for the San Francisco Estuary Project.	CWA, Section 320
State Program Management Grants, State-Tribal-Local Wetlands Protection Grants, and Water Quality Grants	\$642	Staff activities to develop TMDL for impaired waters in CVRWQCB. Precise split of funding between CWA Sections 104, 106, and 319 is not available.	CWA, Sections 104(b)(3), 106, & 319
Source Water Assessment and Protection	\$150	Assess watershed hazards for Sacramento & San Joaquin Rivers. Administered through DHS.	Capitalization Grants, Drinking Water SRF
Dairy Quality Assurance Program -Environmental Stewardship Component	\$444	The primary goal of this program is to reduce pollutants, such as nitrogen and phosphorous, in drinking water. EPA SRF funds are given to the SWRCB. The SWRCB administers the program (\$22k), and funds both CDFA (\$322k) and UC Davis (\$100k) to assist in this program. CDFA evaluates dairies to help them comply with national and state water pollution standards, and UC Davis has an education and training program for dairy operators in the State.	TSCA, Section 28

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Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
Disinfection By-Product Reduction, Surface Water Treatment Rule	\$150	Develop and implement new regulations for DBPs and SW treatment. Administered through the State Department of Health Services.	Capitalization Grants, Drinking Water SRF
U. S. Bureau of Reclamation	\$10,152		
Drainage Management Program *	\$3,306	This program continues to meet Reclamation's responsibilities under the 1960 San Luis Act for a long-term solution to the drainage management problems for the western San Joaquin Valley.	Water and Related Resources
Land Retirement	\$6,846	3408(h) This program will use retirement of irrigated farmland to help manage drainage-related problems along the center and western side of California's San Joaquin Valley. Two principal objectives of the Program are to decrease drainage problems and to enhance wildlife habitat and contribute to the recovery of endangered species.	CVPIA Restoration Fund
U. S. Army Corps of Engineers	\$1,400		
Penn Mine	\$1,400	Ecosystem restoration and monitoring at the Penn Mine, located on Comanche Reservoir.	Section 206, WRDA 96
Natural Resources Conservation Service	\$1,433		
Environmental Quality Improvement Program (EQIP) *	\$1,433	Funds are an estimate based on FY 99 actual appropriations. EQIP funds are annually appropriated. The level of funding received fluctuates nationally, at the state level, and in the distribution within the state. Total FY 99 funds are \$4.3 million that will contribute towards objectives in the Water Quality, Watershed, and Water Use Efficiency Programs. As an estimate, funding was split three ways between these three programs.	Federal Agriculture Improvement & Reform Act of 1996 (the Farm Bill)
Total Water Quality Federal Funding	\$15,822		

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CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Water Quality			
<i>(dollars in thousands)</i>			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$5,234		
Quality Assurance Program	\$604	This program provides Quality Assurance activities for activities that affect SWP drinking water.	SWP
Municipal Water Quality Investigations *	\$1,867	Water quality studies to determine the sources of drinking water pollutants of water supplied to SWP municipalities.	SWP
Agricultural Drainage Program *	\$2,763	This program collects, evaluates, and reports information, and conducts studies and demonstration projects on drainage problems in the San Joaquin Valley.	SWP
State and Regional Water Control Boards	\$3,423		
Water Quality Control Plan Program	\$761	Preparation and amendment of CVRWQCB Basin Plans.	General Fund
Special Water Quality Investigations	\$828	SWRCB activities that conduct special investigations and provide technical assistance on water quality.	General Fund
Water Quality Planning	\$1,712	Staff funding for preparation and amendment of statewide water quality control plans related to CVRWQCB. Includes contract activities for statewide plans (\$1 million) that may pay out over multiple years.	General Fund
Coastal Zone Act/Nonpoint Source Enhanced Program	\$122	Staff and contractual activities re: develop enhanced statewide nonpoint source Program to meet CZARA. These funds may pay out over multiple years.	General Fund

TABLE 3
CALFED Related Programs

Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Health Services	\$0		
Drinking Water State Revolving Fund Program	\$0	The Drinking Water State Revolving Fund is a low interest loan program that is available to fund projects that improve drinking water. This program is administered through the DHS, with 5/6 of the funding from USEPA's Capitalization Grants and 1/6 from State matching funds. The State portion of the total budget (\$93 million) is \$15.5 million. Projects that meet CALFED objectives are not expected to be funded in FY 99-00.	State Revolving Funds Loan Subaccount
Source Water Assessment and Protection	\$0	Assess watershed hazards for Sacramento & San Joaquin Rivers. \$150k included in EPA's budget.	EPA grants
Disinfection By-Product Reduction, Surface Water Treatment Rule	\$0	Develop and implement new regulations for DBPs and SW treatment. \$150k included in EPA's budget.	EPA grants
Department of Pesticide Regulation	\$1,200		
Surface Water Protection	\$1,000	Investigation and mitigation of surface water quality problems caused by pesticides.	Pesticide Regulation Fund
Statewide Water Quality	\$200	\$1.3m statewide for surface water quality; portion that relates to CALFED is estimated to be \$200k	Pesticide Regulation Fund
Department of Food and Agriculture	\$1,848		
Dairy Quality Assurance Program -Environmental stewardship Component	\$148	This represents the state match of funds for a TSCA Section 28 grant from the USEPA. A portion of this funding comes from UC Davis. See USEPA for a description of this program.	
Fertilizer Research and Education Program	\$700	Supports efforts that lead to environmentally safe and agronomically sound use and handling of fertilizer materials. Strong link to ground water and surface water quality protection and improvement.	Fertilizer mill tax
On-Farm Agricultural Drainage Management *	\$1,000	Administered under an MOA with DWR. The goal is to develop methods of using drainage water and reducing toxic materials in drainage water through use of water and the use of remaining salts. The priority shall be given to source reduction projects and programs.	Prop. 204, Chapter 5, Article 4
Total Water Quality State Funding	\$11,705		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Water Conservation			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$2,500		
Office of Water Conservation *	\$2,500	Implement RRA and CVPIA water conservation provisions. Provide technical and financial assistance through Reclamation's Regional and area offices to water contractors and others to advance water conservation planning and implementation of Best Management Practices in the CVP.	CVP Operation & Maintenance
Natural Resources Conservation Service	\$3,433		
Conservation Operations and Water Quality Program	\$2,000	Funding available for technical and financial on-farm assistance.	
Environmental Quality Improvement Program (EQIP) *	\$1,433	Funds are an estimate based on FY 99 actual appropriations. EQIP funds are annually appropriated. The level of funding received fluctuates nationally, at the state level, and in the distribution within the state. Total FY 99 funds are \$4.3 million that will contribute towards objectives in the Water Quality, Watershed, and Water Use Efficiency Programs. As an estimate, funding was split three ways between these three programs.	Federal Agriculture Improvement & Reform Act of 1996 (the Farm Bill)
Total Conservation Federal Funding	\$5,933		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Water Conservation			
(dollars in thousands)			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$5,094		
Irrigation Management *	\$817	Supports the California Irrigation Management Information System (CIMIS) project primarily for agricultural efficiency.	ERPA
Water Management Planning *	\$684	Technical support for urban and agricultural water conservation plans.	General Fund, ERPA
Water Efficient Technology/Services *	\$693	Technology transfer of urban and agricultural practices.	General Fund, ERPA, RRIF
Prop. 204 Water Conservation *	\$2,900	Funding is from Prop. 204's Water Conservation and Groundwater Recharge loan program. DWR has received applications totaling \$37.9 million. \$20 million is available but \$10 million is budgeted in 1999-2000. The only Water Conservation applicant that is likely to receive funding is the Bellridge Irrigation District (\$2.9m). The remaining \$7.1 million will fund Groundwater Recharge projects.	Prop 204, Chapter 6, Article 3
Total Conservation State Funding	\$5,094		

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Water Recycling			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$29,100		
San Jose Area Water Reclamation and Reuse Program *	\$3,000	Phase I Construction	Title XVI
Los Angeles Area Water Reclamation and Reuse *	\$7,500	Construction	Title XVI
San Gabriel Basin Project *	\$2,000	Construction	Title XVI
San Diego Area Reclamation *	\$10,600	Construction	Title XVI
North San Diego Recycling Project *	\$1,500	Construction	Title XVI
Calleguas Municipal Water District Recycling Project *	\$1,500	Construction of Water recycling projects in Ventura County	Title XVI
Orange County Regional Water Reclamation Project *	\$1,500	Phase 1 Construction	Title XVI
Long Beach Area Recycling Project *	\$1,500	Construction of Water Distribution Expansion	Title XVI
U. S. Environmental Protection Agency	\$35,000	EPA provides grant funding to the state, which commits the funding to projects.	
Clean Water State Revolving Fund *	\$35,000	The State Revolving Fund is a low-interest loan program administered through the SWRCB, with 5/6 of the funding from EPA capitalization grants and 1/6 from State matching funds. The funding reported here represents the federal portion of the total (\$42m) for water reclamation projects which reduce demand on the Bay-Delta system. Proposed projects include Moulton-Niguel WD in Orange County (\$17m) and City of Escondido (\$25m).	Capitalization Grants, Title VI of the Federal Water Pollution Control Act
Total Recycling Federal Funding	\$64,100		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Water Recycling			
(dollars in thousands)			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$621		
Feasibility Projects-Water Recycling *	\$621	Program to provide technical, financial, and in-kind support for water recycling and desalination activities throughout the State.	Prop 204, Chapter 6, Article 2.
State and Regional Water Control Boards	\$7,000		
Clean Water State Revolving Fund *	\$7,000	The State Revolving Fund is a low-interest loan program administered through the SWRCB, with 5/6 of the funding from EPA capitalization grants and 1/6 from State matching funds. The funding reported here represents the State portion of the total (\$42m) for water reclamation projects which reduce demand on the Bay-Delta system. Proposed projects include Moulton-Niguel WD in Orange County (\$17m) and City of Escondido (\$25m).	State Revolving Fund Loan Subaccount
Water Reclamation-Bond Measures	\$0	Low interest loan program. \$77.6 m is available from the 1984, 1988, and 1996 Bond Measures. However, no funding is expected to be expended in 1999-2000. Efforts are underway to revise the cost share requirements to conform to other State and Federal loan programs which will increase local interest in these funds.	1984, 1988 and 1996 Bond Measures.
Total Recycling State Funding	\$7,621		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Water Transfers			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$403		
Water Transfers *	\$403	Program includes review of transfer applications and seeks to improve and expedite process for water transfer market.	CVP, Water Marketing
Total Water Transfers Federal Funding	\$403		

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Water Transfers			
(dollars in thousands)			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$408		
Sacramento Valley Water Management and Habitat Protection Measures	\$295	This program covers programs or projects in the Sacramento Valley to assist in the implementation of the Water Quality Control Plan for the Bay-Delta. Does not fund CVP or SWP programs or projects. Proposed projects applicable to CALFED may include water balance inventories in the Sacramento Valley (\$295k). The findings of these inventories may or may not result in water transfer activities.	Prop. 204, Chapter 6, Article 5
Water Rights Activities *	\$50	This program supports activities related to SWP water rights. This includes preparing filings with the SWRCB, presenting testimony on other water rights, and obtaining and administering agreements with users in Southern California. Total budget for this program is \$617k, of which approximately \$50k is work associated with water transfers.	SWP
Water Transfers Facilitation and Marketing	\$63	Review requests to use unused SWP capacity, promote water marketing, and facilitate water transfers.	SWP
State and Regional Control Boards	\$100		
Water Rights-Water Transfers *	\$100	Develop Water Transfer Guide and forms with DWR/USBR.	General Fund
Total Water Transfers State Funding	\$508		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Levees			
<i>(dollars in thousands)</i>			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Army Corps of Engineers	\$200		
Sacramento-San Joaquin Delta: Special Study *	\$200	This study is developing an environmental and flood control Regional (Delta-wide) Plan for Corps involvement/Federal interest in the Delta. This study would also be a tool for CALFED implementation.	GI Program
Total Levee Federal Funding	\$200		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Levees			
<i>(dollars in thousands)</i>			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$10,322		
Special Flood Control Projects *	\$4,870	This program develops and implements flood control projects and habitat improvement projects for Delta islands and towns which provide statewide benefits, and Suisun Marsh levees along the north shore of Suisun Bay (AB 360). Includes \$703k carry-over from previous years (Prop 204).	General Fund, DFPF, Prop 204
Delta Levee Maintenance Subventions *	\$5,167	This program provides financial assistance to local agencies for the maintenance and rehabilitation of nonproject Delta levees. Includes \$1m carry-over from previous years (Prop 204).	General Fund, DFPF, Prop 204
Delta Levees Plan *	\$285	This program provides planning for improvements to nonproject levees of the Delta.	SWP
Total Levee State Funding	\$10,322		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Watershed			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
Natural Resources Conservation Service	\$1,434		
Environmental Quality Improvement Program (EQIP) *	\$1,434	Funds are an estimate based on FY 99 actual appropriations. EQIP funds are annually appropriated. The level of funding received fluctuates nationally, at the state level, and in the distribution within the state. Total FY 99 funds are \$4.3 million that will contribute towards objectives in the Water Quality, Watershed, and Water Use Efficiency Programs. As an estimate, funding was split three ways between these three programs.	Federal Agriculture Improvement & Reform Act of 1996 (the Farm Bill)
U. S. Army Corps of Engineers	\$100		
Napa Valley Watershed Management	\$100	Flood control and environmental restoration within the Napa River Watershed.	GI Program
Total Watershed Federal Funding	\$1,534		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Watershed			
<i>(dollars in thousands)</i>			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$256		
Northern California Water Management	\$51	This program includes studies to determine effects of water development and land management on the environment and identifies possible actions for restoration and enhancement. Funding is for Feather River Watershed Environmental Management (\$51k).	SWP
Central California Water Management	\$205	Funding is for Mountain/Valley Counties Water Resources Management (\$70k) & San Francisco Bay Water Resources Management (\$135k). Watershed activities include identification of water supply problems and assistance in developing and implementing water management plans.	General Fund
State and Regional Control Boards	\$5,136		
Watershed Management Initiative Coordination *	\$104	Staff resources involving coordination of watershed activities in CVRWQCB.	Tobacco Tax Fund
Delta Tributary Watershed Program *	\$4,464	Watershed restoration contractual activities in CVRWQCB. This funding comes from Prop. 204 and represents total contractual encumbrances in FY 99/00 that may pay out over multiple years.	Prop 204, Chapter 5, Article 5
Forest Practices Management	\$236	Staff resources that manage forest practices on State, federal, and private lands in CVRWQCB.	General Fund
Sacramento River Toxicity Program *	\$332	Conduct studies and watershed activities for Sacramento River. These funds are from a reimbursable funds account that may pay out over multiple years.	Reimbursable Funds
Total Watershed State Funding	\$5,392		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Storage			
<i>(dollars in thousands)</i>			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$2,000		
CVP, Yield Feasibility Investigation *	\$2,000	This includes Shasta enlargement study.	Water and Related Resources
U. S. Army Corps of Engineers	\$150		
Stockton Metro, Groundwater Recharge and Wetlands (Farmington)	\$150	This study will investigate the potential for developing groundwater recharge and wetlands facilities in Stockton East Water District, Central San Joaquin Water Conservation District, and North San Joaquin Water Conservation District. Water releases from Farmington Dam would primarily be used.	
Total Storage Federal Funding	\$2,150		

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Storage			
<i>(dollars in thousands)</i>			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$19,628		
Groundwater Recharge	\$7,100	Funding is from Prop 204's Water Conservation and Groundwater Recharge Loan Program. DWR has received applications totaling \$37.9 million. \$20 million is available but \$10 million is budgeted in 1999-2000. It is likely that only one Water Conservation project will be funded, leaving about \$7.1 million in loans for Groundwater Recharge projects. The applicants for the Groundwater Recharge loans include Kern County Water Agency (\$5m), Kern Water Bank Authority (\$5m), Los Angeles County Waterworks District No. 40 (\$5m), Semitropic Water Storage District: Buttonwillow Improvement District (\$5m) and Pond Poso Improvement (\$5m), Rancho Murieta Community Services District (\$62.5k), and Stockton East Water District (\$4.9m).	Prop 204, Chapter 6, Article 3
Central California Water Management	\$143	This program evaluates regional water supply needs. Includes Watershed Hydrology Management and Water Supply (\$55k) and Central California Groundwater Resources Investigations (\$88k).	General Fund
Northern California Water Management	\$296	Funding related to the CALFED Storage Program includes \$124k for Northern California Groundwater Basin Development & \$172k for Sacramento Valley Groundwater Study.	General Fund

TABLE 3
CALFED Related Programs

Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
San Joaquin District Water Management	\$436	This program includes water resources management and water quality activities. Major program activities include the development and analysis of groundwater data for the San Joaquin Valley Ground Water Storage trends report series, development of a groundwater hydrographs for the San Joaquin Valley, development of a comprehensive water budget for the San Joaquin Valley for the California Water Plan, assistance to local, State, and federally supported water management investigations. Of the \$436k total budget, \$214k is for San Joaquin Valley groundwater, \$17k is for local, state, & federal support, and \$205k is for groundwater quality.	General Fund, reimbursable funds
State Water Project Future Supply	\$2,953	This program covers activities outside the Delta that are designed to increase SWP water supply. These activities include investigating alternative operations of SWP, use of SWP for other uses, and future SWP needs. Of the \$3199k total budget, the funding that contributes to the objectives of CALFED includes \$212k for administration, \$615k for surface water development, \$1,673k for groundwater development, \$109k for economic procedures, and \$344k is for SWP planning strategy.	SWP
Integrated Storage Investigations *	\$8,700	The ISI will provide a comprehensive assessment of alternative storage options and their utility to overall water management. A total of \$10 million is available. This includes \$4.2m for off-stream storage investigation, \$2.2m for groundwater conjunctive use investigations, \$.4m for hydro facilities reoperation investigation, \$1.9m for other elements, and \$1.3m for evaluation of fish migration barriers included in Ecosystem section.	General Fund
Total Storage State Funding	\$19,628		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Conveyance			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$670		
Tracy Fish Facilities Improvement Program *	\$650	Funds for improvements to existing Tracy Fish Screen, including research and evaluation, and physical improvements.	CVPIA, Water and Related Resources
South Delta Barriers	\$20	Continues coordination activities with California Department of Water Resources work on barrier design and construction.	Water and Related Resources
National Marine Fisheries Service	\$322		
CVP Improvements	\$322	Technical and engineering support.	
Total Conveyance Federal Funding	\$992		

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Conveyance			
<i>(dollars in thousands)</i>			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$6,500		
Delta Facilities Planning *	\$6,500	This program covers West Delta management, Interim South Delta Program (ISDP), and various Delta storage/conveyance investigations. This also includes the South Delta Barriers Program.	SWP
Total Conveyance State Funding	\$6,500		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related Federal Programs & Funding - FY2000 Budget Request			
Monitoring			
(dollars in thousands)			
Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
U. S. Bureau of Reclamation	\$6,060		
Interagency Ecological Program (IEP) *	\$3,900	The IEP, an interagency program, provides information on factors affecting ecological resources in the Bay-Delta to allow for efficient management in the Estuary.	Water and Related Resources
Central Valley Assessment/Monitoring Program (CAMP) *	\$1,500	The assessment and monitoring program will measure the success and continued improvement of restoration efforts associated with implementing biological restoration actions found in the CVPIA.	CVPIA Restoration Fund
Suisun Marsh Compliance and Monitoring *	\$660	Plan, implement, and maintain a monitoring network in Suisun Marsh. Includes funding for permit Compliance and Monitoring, GPS Surveys, and Flow/Bathymetry Data. Funding (\$1,655) comes 60% from the State (\$955) and 40% from USBR (\$660).	Suisun Marsh Preservation Agreement, SWP (40%) and USBR (40%), General Fund (20% as available).
U. S. Environmental Protection Agency	\$700		
Sacramento River Watershed Program	\$700	Baseline monitoring in the Sacramento River watershed from above Shasta dam to near Rio Vista in the Delta, including several major tributaries. Attributes measured include: mercury, PCB's and chlorinated pesticides in fish tissue; trace metals, pathogens, organic carbon, general constituents in water; aquatic life toxicity in water and sediment, benthic invertebrates, and algae.	

TABLE 3
CALFED Related Programs

Agency/Actions	FY2000 Funding Requested	Details	Authorization/ Funding Source
National Marine Fisheries Service	\$600		
Interagency Ecological Program (IEP) *	\$600	See IEP description under USBR. Juvenile salmon research in SF Bay; Genetic research on California salmonids	
U. S. Geological Survey	\$3,494		
Place-based study of SF Bay *	\$1,800		
Interagency Ecological Program (IEP) *	\$535	See IEP description under USBR.	
Toxics Substances Hydrology Program	\$500		
Other cooperative studies	\$323		
Biological Resources Study Program	\$336		
U.S. Fish and Wildlife Service	\$181		
Interagency Ecological Program (IEP) *	\$181	See IEP description under USBR. FY00 estimate based on FY99 contribution.	
Total Monitoring Federal Funding	\$11,035		

TABLE 3
CALFED Related Programs

TABLE 3 - Program Detail			
CALFED Related State Programs and Funding - FY 1999-2000			
Monitoring			
(dollars in thousands)			
Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Department of Water Resources	\$11,532		
Bay-Delta Evaluation	\$991	Compile and evaluate historical data on the Bay and Delta. Develop basic understanding of hydrodynamic and transport mechanisms.	SWP
Delta Water Quality *	\$1,057	This program funds water quality and quantity monitoring needed for the operation of the CVP and SWP. The monitoring is for locations that are not required by the SWRCB.	SWP
Compliance Monitoring Activities-SWP *	\$1,542	Includes some funding for the Interagency Ecological Program. See IEP description under USBR.	SWP
Bay-Delta Environmental Protection Study *	\$5,197	This program supports most of DWR's participation in the Interagency Ecological Program. See IEP description under USBR.	SWP
Environmental Protection Support *	\$50	This program includes technical support for fish screens, such as CVPIA's unscreened diversion program.	
Environmental Compliance and Evaluations Branch *	\$250	This program covers obtaining environmental documentation and permits for existing and proposed DWR facilities and operations. \$250k is an estimate of the amount of funding in this program that contributes to the objectives of CALFED.	SWP
Water and Environmental Monitoring *	\$900	This program funds collection, storage, and dissemination of water data. Total expenditures are \$2.7 million. It is estimated that 1/3 of the total funds relate to the CALFED geographic area.	General Fund

TABLE 3
CALFED Related Programs

Agency/Actions	FY 99-00 Budgeted	Details	Authorization/ Funding Source
Suisun Marsh Compliance and Monitoring *	\$995	Plan, implement, and maintain a monitoring network in Suisun Marsh. Includes funding for permit Compliance and Monitoring, GPS Surveys, and Flow/Bathymetry Data. Funding (\$1,655) comes 60% from the State (\$955), with the remaining 40% coming from USBR (\$660).	Suisun Marsh Preservation Agreement, SWP (40%) and USBR (40%), General Fund (20% as available).
Northern California Water Management	\$550	This program includes studies to determine effects of water development and land management on the environment and identifies possible actions to restore and enhance. Monitoring activities in this program include Northern California Groundwater Quality Evaluation (\$121k), Butte and Colusa Basin Investigation (\$169k), Sacramento River Erosion Monitoring (\$108k), and River Basin Water Quality Investigations (\$152k).	General Fund
Department of Fish and Game	\$1,639		
Interagency Ecological Program *	\$1,639	See IEP description under USBR. FY99-00 estimate based on FY98-99 contribution.	
State and Regional Control Boards	\$247		
Water Quality Trend Monitoring *	\$247	Staff contractual activities re: monitoring aquatic biota for toxic substances in CVRWQCB	General Fund
Department of Pesticide Regulation	\$300		
Monitoring	\$300	Surface water quality monitoring for pesticides; \$800 more available statewide, some portion of which may be applicable to CALFED.	Pesticide Regulation Fund
Total Monitoring State Funding	\$13,718		

TABLE 3
CALFED Related Programs

