

**Draft Early Implementation Actions**

Bundle Action #	Action Description	Detail/Assumptions	Primary Effects	CALFED Program	Secondary CALFED Program	FY 2000 Cost (millions)	FY 2001 Cost (millions)	Implementing Entity	Implementing Authority Required?
<b>Water Quality Program</b>									
6	Veale Tract Drainage Discharge Relocation Feasibility Study and Environmental Documentation	Possible cost share with Contra Costa Water District.	Improve drinking water and ecosystem	WQ	ERP	\$1.0	\$4.0	Multi-Agency: DWR lead or Bureau	
9	Study: Investigate Dissolved Oxygen Causes and Solutions for Lower San Joaquin River and begin implementation	Refine and Implement real-time management of discharges	Find ways to Improve WQ in San Joaquin River in vicinity of Stockton	WQ	ERP	\$1.0	\$1.0	Multi-Agency: RWQCB or DWR lead	
10	Pilot Studies, Selenium: Integrated On-Farm Management	On farm selenium control management practices.	Evaluate techniques for reducing Se drainage	WQ	ERP	\$0.5	\$0.5	DWR or Bureau	
11	Study: Non-seawater sources of bromide (Br <sup>-</sup> ) in San Joaquin drainage.	Determine if non-seawater sources of Br in San Joaquin Drainage are significant and impact water quality	Improve drinking water source quality: ID most important sources; develop abatement strategies	WQ	ERP	\$0.5	\$0.5	DWR or USGS or Bureau	
25	Barker Slough Watershed Restoration	Implement watershed restoration	Improve WQ, sediment, and habitat (Watershed severely impacts North Bay Aqueduct water quality.	WQ	ERP/WS	\$0.8	\$0.8	DWR or USDA NRCS County and Special Districts	
36	Assessment of sources and magnitudes of loadings of constituents of concern for drinking water	Includes TOC, nutrients, salinity, pathogens, and Br on Delta wide basis	Reduce impacts of these constituents on drinking water	WQ	ERP	\$0.5	\$1.0	DWR or USGS	
50	Sacramento River Mercury Source ID and Control/Remediation Study	Find mercury sources in Sacramento River Watershed and initiate a remedial program	Reduce mercury in ecosystem and protect public health	WQ	ERP/WS	\$0.3	\$0.8	SWRCB, RWQCB or USGS	
58	Diazinon and chlorpyrifos Assessment	Assess the fate and transport of diazinon and chlorpyrifos; begin implementation to reduce water quality impacts, using BMP's.	Develop BMPs for urban use of diazinon and chlorpyrifos	WQ	ERP	\$0.4	\$0.0	RWQCB	
59	Diazinon and chlorpyrifos Education	Develop an educational program that provides information on ways to reduce water quality impacts. Possible test market areas include Sacramento and Stockton. 1997/1998 Eco funding provided to develop BMPs. 2000-develop BMPs	Implement BMPs for urban use of diazinon and chlorpyrifos	WQ	ERP	\$1.6	\$0.8	RWQCB	
21	Cache Creek/Delta Mercury Source Control Projects	Divert stormwater around mercury waste piles to control Hg input to the delta ecosystem	Reduce Hg impacts on food chain	WQ/ERP	ERP	\$3.0	\$2.0	Dpt. Conserv., RWQCB or USDA NRCS	
22	Clear Lake upper watershed mercury remediation actions	Divert stormwater around mercury waste piles to control Hg input to the ecosystem	Reduce Hg impacts on food chain	WQ/ERP	ERP	\$1.0	\$1.0	RWQCB, DWR, Dept. Reclamation or USDA NRCS	
33	Total Organic Carbon Evaluation	General Evaluation and Pilot Study: Total Organic Carbon Reduction, DWR to do engineering and technical oversight.	Improve in-Delta drinking water source quality:	WQ/ERP	ERP	\$4.5	\$0.5	DWR or ACOE	
7	Reduce Impacts of Salt on Soil and Receiving Water During High Flow	Restrict leaching to periods of high flow to utilize the assimilative capacity of the receiving stream.	Improve late season WQ in lower San Joaquin River, potential drinking water quality impact	WQ: not yet listed	ERP	\$0.1	\$0.1	RWQCB/Bureau of Recl. & Local WD	
<b>Total</b>						<b>\$15.2</b>	<b>\$13.0</b>		

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