

Alternative 24

(1B, 2 A, 3 A, 4 B - MAX)

11/28/95

Category	Actions Selected	Functional Basis for Inclusion	Specification for Action Implementation
Restoration of Delta Wetland Habitat	-Expand wetland acquisition programs	include with all maximum alternatives	
Restoration of Delta Terrestrial Habitat	Restoration of Delta Terrestrial Habitat	include with all maximum alternatives	
Integrated Habitat Management Programs	Integrated Habitat Management Programs	include with all maximum alternatives	
Control of Introduced Species	-Inspect for invasions of nuisance species	reduce diversion impacts on fish	
Delta Waterfowl Habitat Management	-Improve management of public waterfowl areas	include with all maximum alternatives	
	- Implement terrestrial predator control programs	include with all maximum alternatives	
	-Increase sources and availability of wildlife forage	include with all maximum alternatives	
Restoration of Upstream Anadromous Fish Habitat	-Restore and replenish spawning gravels	include with all maximum alternatives	
	-Restore channel configurations	include with all maximum alternatives	
	-Restore shoreline habitat conditions	include with all maximum alternatives	
	-Modify gravel mining practices	included with all alternatives	
	-Improve floodway drainage to reduce fish stranding	include with all maximum alternatives	
Restoration of Upstream Riparian Habitat	-Revegetate degraded riparian habitats	include with all maximum alternatives	
	-Protect riparian lands through purchase/easements	include with all maximum alternatives	
	-Restore flows to dewatered riparian habitats	???	
Delta Inflow Management	-Provide instream pulse flows for fish passage	???	
	-Provide instream flows for fish attraction	???	
Delta Outflow/Export Management	-Modify volumes and timing of exports	reduce diversion effects on fish/ reduce demands	
	-Modify in-Delta consumptive use	reduce diversion effects on fish	
	-Modify Central Delta channel operations	reduce diversion effects on fish	
	-Establish a Delta watermaster to manage flows		
Modification of Diversion Timing Patterns	-Modify diversion timing of export diversions	SHOULDN'T THIS BE INCLUDED?	
	-Coordinate SWP/CVP diversion timing	reduce diversion effects on fish	
Increased Rates of Diversion Capacity	-Obtain approvals for expanded export capacities		
	-To generate yield	increase project yield	
	-To reduce diversion impacts	reduce salmon and smelt entrainment	
	-Enlarge export pumping capacities		
	-To generate yield	increase project yield	
	-To reduce diversion impacts	reduce salmon and smelt entrainment	
Acquire Water Supplies for Fish and Wildlife	-Acquire water for refuge habitat use	???	
	-Obtain shifts in diversion timing patterns	reduce diversion impacts on fish	
	-Modify water law to establish instream rights	???	
Installation and Improvement of Fish Screens	-Improve screens at Delta export pumps	reduce diversion impacts on fish	
	-Improve other existing fish screen systems	reduce diversion impacts on fish	
	-Install screens on other in-Delta diversions	reduce diversion impacts on fish	
	-Install screens on upstream diversions	reduce diversion impacts on fish	
	-Consolidate and screen existing small diversions	reduce diversion impacts on fish	
	-Enforce screening requirements	reduce diversion impacts on fish	
Installation of Barriers to Guide Fish Movement	-Install barriers to block fish movement into Old River	to reduce entrainment effects	

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	-Install barriers to keep fish in Sacramento River	to reduce entrainment of winter-run	
	-Install barriers to divert fish from Sacramento to western channels	???	
Improvement of Fish Salvage Operations	-Improve design of salvage facilities	reduce diversion impacts on fish	
	-Improve operation of salvage facilities	reduce diversion impacts on fish	
	-Improve fish hauling and release procedures	reduce diversion impacts on fish	
Removal and Control of Aquatic Predators	-Harvest predators at Delta export pumps	reduce diversion impacts on fish	
	-Harvest predators in upstream habitats	reduce diversion impacts on fish	
Desalination	-Expand desalination of Southern California supplies	reduce demand for Delta exports	
	-Improve desalination technologies and cost	reduce demand for Delta exports	
	-Educate users about desalination feasibility	reduce demand for Delta exports	south of the Delta only
Water Conservation	-Increase use of district-wide conservation practices	reduce demand for Delta exports	south of the Delta only
	-Increase use of on-farm conservation practices	reduce demand for Delta exports	south of the Delta only
	-Increase use of municipal conservation practices	reduce demand for Delta exports	south of the Delta only
	-Increase use of industrial conservation practices	reduce demand for Delta exports	south of the Delta only
	-Implement financial incentive policies	reduce demand for Delta exports	south of the Delta only
	-Educate users about conservation technologies	reduce demand for Delta exports	south of the Delta only
	-Implement conservation-oriented rate structures	reduce demand for Delta exports	south of the Delta only
Water Reclamation	-Recharge groundwater with reclaimed water	reduce demand for Delta exports	south of the Delta only
	-Use reclaimed water for agricultural irrigation	reduce demand for Delta exports	south of the Delta only
	-Reclaim saline agricultural drainage water	reduce demand for Delta exports	south of the Delta only
	-Recycle and treat water for potable reuse	reduce demand for Delta exports	south of the Delta only
	-Use reclaimed water for nonpotable urban uses	reduce demand for Delta exports	south of the Delta only
	-Use reclaimed water for landscape irrigation	reduce demand for Delta exports	south of the Delta only
	-Use reclaimed water for power plant cooling	reduce demand for Delta exports	south of the Delta only
	-Use reclaimed water for industrial processes	reduce demand for Delta exports	south of the Delta only
	-Use reclaimed water to repel salinity intrusion	reduce demand for Delta exports	south of the Delta only
	-Improve reclamation technologies and cost	reduce demand for Delta exports	south of the Delta only
	-Educate public about water reclamation	reduce demand for Delta exports	south of the Delta only
	Water Pricing	-Establish incentives for pricing to reduce demand	reduce demand for Delta exports
-Educate users about pricing feasibility		reduce demand for Delta exports	
-Remove legal obstacles to pricing incentive programs		reduce demand for Delta exports	
New or Expanded On-Stream Storage	-Construct new storage south of Delta	reduce demand for Delta exports	
	-Enlarge existing on-stream storage reservoirs	reduce demand for Delta exports	South of Delta only
	-Modify operations of existing on-stream reservoirs	reduce demand for Delta exports	South of Delta only
New or Expanded Off-Stream Storage	-Construct new storage south of Delta	reduce demand for Delta exports	
	-Enlarge existing off-stream storage reservoirs	reduce demand for Delta exports	South of Delta only
	-Modify operations of existing off-stream reservoirs	reduce demand for Delta exports	South of Delta only
Groundwater Banking and Conjunctive Use	-Modify California Water Code to encourage conjunctive use	include with all maximum alternatives	
	-Establish conjunctive use programs	reduce demand for Delta exports	South of Delta only
	-Store groundwater south of Delta	reduce demand for Delta exports	
Construction & Improvement of Conveyance Facilities	-Implement techniques to increase groundwater recharge	reduce diversion impacts and manage water quality	
	-Construct eastside isolated transfer system		
	-Construct conveyance to off-stream storage	to complement off-stream storage	South of Delta only
	-Construct conveyance to groundwater storage	to complement groundwater storage	South of Delta only
Changes in Locations of Diversions	-Relocate Delta export pumps from key habitats	reduce diversion impacts on fish	
	-Relocate other in-Delta diversions	reduce diversion impacts on fish, manage water quality	
	-Consolidate in-Delta agricultural diversions		
	-Relocate upstream diversions from key habitats	reduce diversion impacts on fish	

	-Improve diversion designs when relocating	reduce diversion impacts on fish	
Water Transfers	-Modify California Water Code to ease transfers	reduce demand for Delta exports	South of Delta only
Long-Term Planning for Drought Contingencies	-Increase water storage capacities at user locations	reduce demand for Delta exports	South of Delta only
Establishment of Export Capacity Market	-Establish procedures for allocation of export capacity	reduce diversion impacts on fish	
	-Establish institution to allocate export capacity	reduce diversion impacts on fish	
Integration of Land-Use and Water-Supply Planning	-Coordinate water transfers and export capacity	Delta demands	
	-Market export capacity for environmental benefits	Delta demands	
Installation and Operation of Flow Barriers	-Coordinate land uses with water supplies	reduce demand for Delta exports	
	-Install flow barriers to manage South Delta quality	ameliorate impacts of discharges	
Management of Agricultural Drainage	-Install weirs to control salinity intrusion	ameliorate impacts of discharges	
	-Manage drainage timing to reduce instream impacts	ameliorate impacts of discharges	
Levee Maintenance and Stabilization	-Dilute pollutants in Delta inflows from SJR using stored water	ameliorate impacts of discharges	
	-Modify agricultural practices to reduce subsidence	protection	
Improvement of Flooding & Seismic Protections	-Use infilling to correct past subsidence	protection	
	-Reconstruct levees to higher design standards	protection	
	-Reconstruct levees to higher seismic standards	protection	
	Establishment of Long-Term Funding Mechanisms	include with all maximum alternatives	

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