

Alternative 22: 1A, 2A, 3B, 4B, - Max

Category	Actions Selected	Functional Basis for Inclusion	Specification for Action Implementation
restore Delta shallow water (tidal) habitat	protect existing shallow habitat from erosion	habitat	
	restore tidal action to existing diked wetlands	habitat	
	reconstruct levees to include shallow water habitat	habitat	
	fill deep water to produce shallow habitat	habitat	
restore Delta riverine habitat	reconstruct river banks and shallow areas	habitat	
	restore and preserve channel islands	habitat	
	restore natural channel configurations	habitat	
	modify construction practices to include riverine elements	habitat	
restore Delta riparian habitat	improve and protect degraded riparian habitats	habitat	
	modify levee maintenance practices	habitat	
	protect existing riparian habitat	habitat	
restore Delta wetland habitat	restore and enhance existing wetlands	habitat	
	expand wetland acquisition programs	habitat	
	protect existing wetland habitat	habitat	
restore Delta terrestrial habitat	various actions	habitat	
integrated habitat mgmt programs	various actions	habitat	
control introduced species	remove or reduce nuisance species in key habitats	populations	
	improve regulation of ballast water releases	populations	
	improve border inspection practices	populations	
	inspect for invasion of nuisance species	populations	
	modify habitat to favor native species	populations	
Delta waterfowl habitat mgmt	improve management of public waterfowl areas	habitat	
	implement terrestrial predator control programs	habitat	
	increase sources and availability of wildlife forage	habitat	
restoration of upstream anad. fish habitat	manage flows in upstream habitat	habitat	
	manage temperature in upstream habitat	habitat	
	restore and replenish spawning gravels	habitat	
	restore channel configurations	habitat	
	restore shoreline habitat conditions	habitat	
	modify gravel mining practices	habitat	
	improve floodway drainage to reduce fish stranding	habitat	
physical improvements for fish passage	modify passage at upstream dams/other barriers	populations	
	modify natural barriers to improve passage	populations	
restore upstream riparian habitat	revegetate degraded riparian habitats	habitat	
	protect riparian lands through purchase/easements	habitat	
Delta inflow management	provide instream pulse flows for fish passage	populations	
	provide instream flows for fish attraction	populations	

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Delta outflow/export management	use real time monitoring and adaptive management		
installation and improvement of fish screens	operate fish barrier on San J. River at Merced R in fall	populations	
Fish hatchery operations	expand hatchery capacities	populations	
	construct new hatcheries on San Joaquin River	populations	
	improve hatchery operations	populations	
	reduce hatchery effects on wild fish populations	populations	
	implement tagging of hatchery-bred fish	populations	
	establish new captive-breeding programs	populations	
Fish harvest management	improve regulation of commercial take	populations	
	improve regulation of commercial take	populations	
	improve enforcement of harvest regulations	populations	
Desalination	expand desalination of San Joaquin Valley Supplies	water quality	
Water Conservation (North of Delta)	increase use of district-wide conservation practices	water use	
	increase use of on-farm conservation practices	water use	
	increase use of municipal conservation practices	water use	
	increase use of industrial conservation practices	water use	
	implement financial incentive policies	water use	
	educate users about conservation	water use	
	implement conservation-oriented rate structures	water use	
Water Reclamation (North of Delta)	recharge groundwater with reclaimed water	water use	
	use reclaimed water for agricultural irrigation	water use	
	reclaim saline agricultural drainage water	water use	
	recycle and treat potable water for agricultural use	water use	
	use reclaimed water for nonpotable urban uses	water use	
	use reclaimed water for landscape irrigation	water use	
	use reclaimed water for power plant cooling	water use	
	use reclaimed water for industrial processes	water use	
	use reclaimed water to repel salinity intrusion	water use	
	improve reclamation technologies and costs	water use	
	educate public about water reclamation	water use	
water pricing	establish incentives for pricing to reduce demand	water use	
	educate users about pricing feasibility	water use	
	remove legal obstacles to pricing incentive programs	water use	
watershed management	manage vegetation cover to increase yield	water use	
	manage riparian zones to protect water quality	water quality	
	manage land uses to protect water quality	water quality	
	modify weather to increase precipitation	water use	
new or expanded on-stream storage	construct new storage north of Delta	water use	

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Category	Actions Selected	Functional Basis for Inclusion	Specification for Action Implementation
	enlarge existing on-stream reservoirs	water use	
	modify operations of existing on-stream reservoirs	water use	
new or expanded off-stream storage	construct new storage north of the Delta	water use	
	construct new storage facilities in Delta	water use	
	enlarge existing off-stream reservoirs	water use	
	modify operations of existing off-stream reservoirs	water use	
groundwater banking and conjunctive use	establish incentives for conjunctive use	water use	
	modify Cal Water Code to encourage conjunctive use	water use	
	establish conjunctive use pgms north of Delta	water use	
	store groundwater north of Delta	water use	
	implement techniques to increase groundwater recharge	water use	
improvement of through Delta conveyance	increase capacity of existing east side channels	water use	
	increase flows from the Sacramento R. to Central Delta	water use	
	modify Delta levees to increase flow cross sections	water use	
	construct pumps/siphons between Delta channels	water use	
	expand existing intakes at Delta export facilities	water use	
	construct expanded export intake/forebay pumping system	water use	
construct/ improve conveyance facilities	construct conveyance to off-stream storage	water use	
	construct conveyance to groundwater storage	water use	
water transfers	modify Calif Water Code to ease transfers	water use	
	improve procedures for transfer permitting	water use	
	coordinate diversion and conveyance of transfers	water use	
long-term planning for drought contingency	increase water storage capacities at user locations(NOD)	water use	
	establish incentives for long-term planning	water use	
	conduct integrated resource planning	water use	
	establish incentives for long-term conservation	water use	
	develop alternate supplies for drought situations	water use	
water resources data and information mgmt	data and information mgmt	water use	
institutions for integrated long-term water m	establish long term guarantees for management	water use	
	establish institution to implement guarantees	water use	
	coordinate multiagency roles in management	water use	
	coordinate groundwater/surface water mgmt	water use	
	establish incentives for cooperation/coordination	water use	
	establish a public awareness/education program	water use	
integration of land-use and water supply pla	coordinate land uses with water supplies	water use	
	encourage local determination of supplies available	water use	
	encourage local assessment of water supply reliability	water use	
management of agricultural drainage	manage drainage timing to reduce instream impacts	water quality	

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