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Alternative 25
(1A , 2B, 3B, 4A - MAX)

Category	Actions Selected	Functional Basis for Inclusion	Specification for Action Implementation
Restoration of Delta Shallow Water (Tidal) Habitat	-Convert existing leveed lands to tidal action	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	
Restoration of Delta Riverine Habitat	-Reconstruct river banks and shallow areas	Habitat	
	-Restore/preserve channel islands	Habitat	
	-Restore natural channel configurations	Habitat	
	-Modify construction practices to include riverine elements	Habitat	
Restoration of Delta Riparian Habitat	-Improve and protect degraded riparian habitats	Habitat	
	-Establish new areas of riparian habitat	Habitat	
	-Reestablish historic riparian areas	Habitat	
	-Modify levee maintenance practices	Habitat	
	-Protect existing riparian habitat	Habitat	
Restoration of Delta Wetland Habitat	-Expand wetland acquisition programs	Habitat	
	-Convert agricultural lands to wetlands	Habitat	
Restoration of Delta Terrestrial Habitat		Habitat	
Integrated Habitat Management Programs		Habitat	
Establishment of Floodways and Meander Belts	-Relocate levees to widen floodways	Habitat	
	-Allow river channels to meander	Habitat	
	Acquire Delta Islands as overflow areas	Habitat	
	-Restore floodways as habitat corridors	Habitat	
Control of Introduced Species	-Remove or reduce nuisance species in key habitats	Habitat	
	-Inspect for invasions of nuisance species	Habitat	
	-Modify habitat to favor native species	Habitat	
Delta Waterfowl Habitat Management	-Manage crops for waterfowl forage production	Habitat	
	-Improve management of public waterfowl areas	Habitat	
	- Implement terrestrial predator control programs	Habitat	
	-Increase sources and availability of wildlife forage	Habitat	
Restoration of Upstream Anadromous Fish Habitat	-Manage flows and temperatures in upstream habitats	Habitat	
	-manage flows in upstream habitats	Habitat	
	-manage temperatures in upstream habitats	Habitat	
	-Restore and replenish spawning gravels	Habitat	
	-Restore channel configurations	Habitat	
	-Restore shoreline habitat conditions	Habitat	
	-Improve floodway drainage to reduce fish stranding	Habitat	
Physical Improvements for Fish Passage	-Modify passage at upstream dams/other barriers	Habitat	
	-Modify natural barriers to improve passage	Habitat	
Restoration of Upstream Riparian Habitat	-Restrict livestock grazing in riparian corridors	Habitat	
	-Revegetate degraded riparian habitats	Habitat	
	-Protect riparian lands through purchase/easements	Habitat	
Restoration of Upstream Wetland Habitat	-Modify floodways to support wetland habitats	Habitat	
	-Reuse agricultural drainage to create wetlands	Habitat	
	-Reuse urban wastewater effluent to create wetlands	Habitat	
	-Manage groundwater recharge for wetland habitat	Habitat	
Delta Inflow Management	-Decrease upstream diversions	Water Use	
	-Modify upstream reservoir operations	Water Use	
	-Provide instream pulse flows for fish passage	Water Use	
	-Provide instream flows for fish attraction	Water Use	
Acquire Water Supplies for Fish and Wildlife	-Acquire water to augment instream flows	Water Use	
	-Acquire water for refuge habitat use	Water Use	
	-Obtain shifts in timing of instream flows	Water Use	
	-Modify water law to establish instream rights	Institutional	
Installation of Barriers to Guide Fish Movement	-Install barriers to divert fish from Sacramento to western chann	Populations	
Fish Hatchery Operations	-Expand hatchery capacities	Populations	
	-Construct new hatcheries on the San Joaquin R.	Populations	

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	-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	Institutional	
	-Improve regulation of recreational take	Institutional	
	-Improve enforcement of harvest regulations	Institutional	
Desalination	-Expand desalination of San Joaquin Valley supplies	Water Use	
Water Conservation	-Increase use of district-wide conservation practices	Water Use	Upstream of Delta/In Delta only
	-Increase use of on-farm conservation practices	Water Use	Upstream of Delta/In Delta only
	-Increase use of municipal conservation practices	Water Use	Upstream of Delta/In Delta only
	-Increase use of industrial conservation practices	Water Use	Upstream of Delta/In Delta only
	-Implement financial incentive policies	Water Use	Upstream of Delta/In Delta only
	-Educate users about conservation technologies	Water Use	Upstream of Delta/In Delta only
	-Implement conservation-oriented rate structures	Water Use	Upstream of Delta/In Delta only
Water Reclamation	-Recharge groundwater with reclaimed water	Water Use	Upstream of Delta/In Delta only
	-Use reclaimed water for agricultural irrigation	Water Use	Upstream of Delta/In Delta only
	-Reclaim saline agricultural drainage water	Water Use	Upstream of Delta/In Delta only
	-Recycle and treat water for potable reuse	Water Use	Upstream of Delta/In Delta only
	-Use reclaimed water for nonpotable urban uses	Water Use	Upstream of Delta/In Delta only
	-Use reclaimed water for landscape irrigation	Water Use	Upstream of Delta/In Delta only
	-Use reclaimed water for power plant cooling	Water Use	Upstream of Delta/In Delta only
	-Use reclaimed water for industrial processes	Water Use	Upstream of Delta/In Delta only
	-Use reclaimed water to repel salinity intrusion	Water Use	Upstream of Delta/In Delta only
	-Improve reclamation technologies and cost	Water Use	Upstream of Delta/In Delta only
	-Educate public about water reclamation	Water Use	Upstream of Delta/In Delta only
Land Retirement and Fallowing	-Encourage land fallowing during drought periods	Water Use	
	-Develop incentive programs for land retirement	Water Use	
	-Purchase lands or easements	Water Use	
Water Pricing	-Establish incentives for pricing to reduce demand	Water Use	Upstream of Delta/In Delta only
	-Educate users about pricing feasibility	Water Use	Upstream of Delta/In Delta only
	-Remove legal obstacles to pricing incentive programs	Institutional	Upstream of Delta/In Delta only
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	
	-Enlarge existing on-stream storage reservoirs	Water Use	
	-Modify operations of existing on-stream reservoirs	Water Use	
New or Expanded Off-Stream Storage	-Construct new storage north of Delta	Water Use	
	-Construct new storage facilities in Delta	Water Use	Upstream of Delta/In Delta only
	-Enlarge existing off-stream storage reservoirs	Water Use	Upstream of Delta/In Delta only
	-Modify operations of existing off-stream reservoirs	Water Use	Upstream of Delta/In Delta only
Groundwater Banking and Conjunctive Use	-Modify California Water Code to encourage conjunctive use	Water Use	
	-Establish conjunctive use programs	Water Use	Upstream of Delta/In Delta only
	-Store groundwater north of Delta	Water Use	
	-Implement techniques to increase groundwater recharge	Water Use	Upstream of Delta/In Delta only
Improvement of Through-Delta Conveyance	-Increase capacities of existing east-side channels	Water Use	
	-Increase flows from the Sacramento R. to the Central Delta	Water Use	

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	-Modify Delta levees to increase flow cross-sections	Water Use	
	-Expand existing intakes at the Delta export facilities	Water Use	Upstream of Delta/in Delta only
Long-Term Planning for Drought Contingencies	-Increase water storage capacities at user locations	Water Use	
	-Establish long-term guarantees for management	Institutional	
	Establish institution to implement guarantees	Institutional	
Integration of Land-Use and Water-Supply Planning	Coordinate land uses with water supplies	Institutional	
Management of Agricultural Drainage	-Implement source control regulations for pollutants	Water Quality	
	-Implement pollutant-load limits in San Joaquin R.	Water Quality	
	-Reduce or control volume of agricultural discharges	Water Quality	
	-Modify cropping and irrigation practices	Water Quality	
	-Retire lands with drainage disposal problems	Water Quality	
	-Improve pest-control practices	Water Quality	
	-Manage irrigation tailwater to reduce pesticides	Water Quality	
	-Treat drainage to remove pollutants	Water Quality	
Management of Urban and Wastewater Discharge	-Retain and manage stormwater runoff	Water Quality	
	-Treat discharges to remove problem constituents	Water Quality	
	-Construct wetlands to treat wastewater effluent	Water Quality	
	-Increase key nutrient inputs to estuary	Water Quality, Habitat	
Dredged Material Management	-Limit dredging to slack tides	Water Quality	
	-Limit dredging to avoid fish migration periods	Water Quality	
	-Use techniques to localize sediment movement	Water Quality	
	-Dispose dredged materials at nonaquatic sites	Water Quality	
	-Remove contaminated sediments in critical habitat sites	Water Quality	
	-Ensure material used for levee maintenance is noncontaminate	Water Quality	
Management of Mine Drainage	-Manage discharges from abandoned mines	Water Quality	
	-Remediate abandoned mining sites discharging pollutants	Water Quality	
Improvement of Flooding & Seismic Protections	-Relocate levees to more stable sites	Land use/levees/flood control	
	-Widen floodways to increase flood conveyance	Land use/levees/flood control	
	-Establish and manage flood overflow areas	Land use/levees/flood control	
Rerouting and Protection of Infrastructure	-Maintain/reconstruct levees around infrastructure	Land use/levees/flood control	
	-Reconstruct infrastructure to increase reliability	Land use/levees/flood control	
	-Relocate/reroute infrastructure	Land use/levees/flood control	
	Establishment of Long-Term Funding Mechanisms	Institutional	

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