

Scoring Factor Reference Points

Performance Measure Scoring Factor	Low End	High End
Aquatic Habitat		
Delta		
Transport Conditions (Feb-June unimpaired flow)	2 million acre-feet	5 million acre-feet
Shaded & Shallow Areas	10,000 acres	20,000 acres
Effects of Diversions	50% loss	10% loss
Salinity-Entrapment	5,000 acres	10,000 acres
Toxicity (concentrate on fish most sensitive life stage)	5% time fatal	1% time fatal
Primary Production	1,000 grC/m2/yr	2,000 grC/m2/yr
Upstream		
Instream Flows	existing	100% AFRP
Shaded Riparian	existing	400 miles of stream
Diversions & Dams	20% loss	5% loss
Spawning Substrate (acres below dams)	50% natural	100% natural
Temperature & Toxicity	5% time fatal	1% time fatal
Wetland/Upland Habitat		
Delta		
	% of pre-settlement conditions:	
Tidal Wetlands		
Freshwater	existing	15,000 more acres
Brackish and Salt Tidal Wetland	existing	5,000 more acres
Non-Tidal Wetlands		
Terrestrial *	existing	10,000 more acres
Riparian	existing	20,000 acres improved
	10,000 acres	25,000 acres
Upstream		
Riparian	110,000 acres	200,000 acres
Wetland	160,000 acres	250,000 acres
* These habitat types include cropland and other habitats which were not part of the landscape prior to 1850.		
Species of Interest		
Salmonids		
Chinook		
Winter Run	existing	double '67-'91 average
Spring Run	existing	double '67-'91 average
Fall & Late Fall Runs	existing	double '67-'91 average
San Joaquin Fall Run	existing	double '67-'91 average
Steelhead	existing	double '67-'91 average
Other Anadromous		
Shad	existing	double '67-'91 average
Sturgeon	existing	double '67-'91 average
Striped Bass	existing	double '67-'91 average
Estuarine Fish		
Splittail	existing	non-jeopardy
Delta Smelt	existing	delisting
Longfin Smelt	existing	non-jeopardy
Wintering Wildlife	64,000 acres	70,000 acres
Terrestrial Species		
Plants	existing	non-jeopardy
Animals	existing	non-jeopardy
Water Supply		
Delta		

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Opportunity for Delta Diversions	-50,000 acre-feet	0 acre-feet
Improved Inflow Timing (AF shifted without new facilities)	0 acre-feet	1 million acre-feet
Improve Average Year Inflow	0 acre-feet	500,000 acre-feet
Improve Dry Year Inflow	0 acre-feet	2 million acre-feet
Exports		
Improved Timing and Transport Capability	0 acre-feet	500,000 acre-feet
Improve Water Supply Availability	6.2 million acre-feet	6.8 million acre-feet
Improve Water Supply Availability (Dry Year)	3.5 million acre-feet	5.1 million acre-feet
Water Supply Uncertainty		
Delta		
Short Term	-50,000 acre-feet	0 acre-feet
Long Term		
Exports		
Short Term (ESA)	-250,000 acre-feet	0 acre-feet
Long Term	-500,000 acre-feet	0 acre-feet
Consumptive & Recreational WQ		
Pathogens	significant risks	acceptable risks
Natural Organics(TOC)	60mg/L TFPC	30mg/L TFPC
Salinity (Ocean- and Land-Derived)	300 ppm	100 ppm
Suspended Sediments & Turbidity	70 TU	30 TU
Toxics & Carcinogens	MCLG exceedances	acceptable risks; no MCLG exceedances
Aesthetics, Nutrients and DO	existing	
Agriculture/Industrial Water Quality Requirements		
North & Central Delta Service Areas	<i>All measured with same reference points</i>	
Western Delta Islands	\$100 million	Less than \$10 million
South Delta (inc SDWA)	annual loss	annual loss
Export Service Areas		
Infrastructure, Resource/Land Use, and WQ Vulnerability		
Ag Lands, Farms, Homes, Recr'n, Businesses	<i>All measured with same reference points</i>	
Utilities & Transportation Systems	Low End: 1/20-yr chance >\$200 million export interruption;	
Terrestrial & Wetland Habitats	along with 1/5-yr >\$30 million flood loss	
Delta Levee System		
M&I and Ag WQ	High End: 1/100-yr chance of \$200 million export interruption;	
Ecological WQ	along with 1/100-yr chance of \$30 million flood loss	