

Flood Protection/Levee Stabilization/Management of System Vulnerability		CALFED Bay-Delta Program Alternatives Summary of Actions									
	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative
Flood Protection/Levee Stabilization¹	A	B	C	D	E	F	G	H	I	J	
Moderately fund a long-term Delta protection plan											
• Levee maintenance, stabilization, and improvements at or above Hazard Mitigation Plan standards (miles improved to HMP)	140 to 180 (moderate)	140 to 180 (moderate)	140 to 180 (moderate)	140 to 180 (moderate)	140 to 180 (moderate)	140 to 180 (moderate)	140 to 180 (moderate)	200 to 250 (modest)	200 to 250 (modest)	200 to 250 (modest)	
• Delta levee/habitat improvements to Corps. P.L. 99 standard (miles)	250 to 290	250 to 290	250 to 290	250 to 290	250 to 290	250 to 290	250 to 290	60 to 90	60 to 90	60 to 90	
• Maintain flood conveyance capacity	prioritized areas ²	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	
Management of System Vulnerability¹											
• Establish landside buffer zones adjacent to some levees on islands with deep peat soils	Essential Element ³	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	
• Convert agricultural lands on islands below -10 feet elevation (mean sea level) to wetland habitat to implement a long-term subsidence management program (acres of land to be converted)	--	--	--	--	--	8,000 to 12,000	--	--	--	8,000 to 12,000	
• Rotate seasonal wetlands with wildlife-friendly agricultural practices on islands between -10 and -3 feet elevation (mean sea level) to implement a long-term subsidence management program (acres to be rotated)	--	--	--	--	--	15,000 to 20,000	--	--	--	15,000 to 20,000	
• Establish and fund an emergency levee management program with funding for reclaiming Delta islands in the event of levee failures - to protect system functions	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	
• Provide funding for continued levee maintenance activities	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	

Footnotes
 1. Some activities include additional sub-activities explained in greater detail in the detailed descriptions of the alternatives.
 2. "Prioritized areas" indicates that geographic areas or specific locations of implementation have yet to be determined.
 3. "Essential Elements" are non-quantified activities included in every alternative above the core level of implementation. Footnote #2 ("prioritized areas") also applies to these elements.
 "Y" means the activity will be implemented uniformly across those alternatives in which it is included.
 "--" means that the activity is not included as part of the alternative.
 The units for each activity can be found in the left-hand column, following the activity description

Water Quality Management

**CALFED Bay-Delta Program Alternatives
Summary of Actions**

	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E	Alternative F	Alternative G	Alternative H	Alternative I	Alternative J
Water Quality Management¹										
Dilute pollutant inflows from San Joaquin River (acre-feet of water used)	--	50,000 to 110,000	50,000 to 110,000	--	--	--	--	50,000 to 100,000	--	50,000 to 100,000
Restrict drainage discharges during low flow periods (percent discharge reduced)	20% to 30%	60% to 70%	40 to 50%	20% to 30%	20% to 30%	20% to 30%	40 to 50%	40% to 50%	40% to 50%	60% to 70%
Retain additional urban stormwater runoff (Percent of runoff volume)	20% to 30%	20% to 30%	20% to 30%	20% to 30%	20% to 30%	20% to 30%	20% to 30%	20% to 30%	20% to 30%	20% to 30%
Construct wetlands for treating effluent/drainage (acre-feet treated)	3,000 to 5,000	10,000 to 15,000	3,000 to 5,000	3,000 to 5,000	3,000 to 5,000	3,000 to 5,000				
Increase agricultural drainage source control regulations (enforcement)	prioritized areas ²	prioritized areas								
Coordinate water quality management, flow, and retirement with Water Supply Management actions	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas
Implement moderate onsite mine drainage remediation	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas	prioritized areas
Treat agricultural drainage to remove pollutants (percent of drainage)	--	20% to 30%	--	--	--	--	--	--	--	--
Provide incentives for filtration upgrades/watershed protection program development	--	prioritized areas	--	prioritized areas	prioritized areas	prioritized areas	--	--	--	--
Provide incentives for treatment facility conversions	--	prioritized areas	--	prioritized areas	prioritized areas	prioritized areas	--	--	--	--
Study/implement actions to reduce San Joaquin River salinity	--	prioritized areas	--	--	--	--	prioritized areas	--	prioritized areas	prioritized areas
Schedule deliveries in isolated transfer facility to maximize drinking water quality to end users	--	--	prioritized areas	--	--	--	--	--	--	--
Shift the timing of diversions so that high volumes are diverted during periods of low salinity	--	--	--	--	--	--	--	--	--	prioritized areas
Increase enforcement of urban and industrial source control regulations	Essential Element ³	Essential Element								
Coordinate with on-going or planned watershed management programs	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element

Footnotes

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B-005331