

Assessment Variable	Supporting Variable		CALFED Action Component*		
<b>II. Biological Environment</b>					
<b>J. Fish Populations</b>					
1-5. Chinook salmon abundance (winter-run, spring-run, late fall-run, Sacramento fall-run, San Joaquin fall-run)	Adult migration survival	Delta conditions	Channel flows	Passage improvements	
		River flows			
		Barriers	Red Bluff Diversion Dam, Montezuma Slough Salinity Control Gate, Delta Cross Channel, weirs		
	Spawning success	Recreational harvest		Hatchery marking/wild fish release	
		Area of quality habitat	River flows		
		Substrate	Gravel supply Sedimentation		Spawning habitat enhancements Watershed and riparian management
	Water temperature	River flows Water source			
	Rearing survival	Area of quality habitat	Depth	River and Delta flows	
		Velocity	River and Delta flows		
		Substrate	Gravel Riparian habitat restoration, meander belts		
Riparian habitat					
Food web production		Toxicity			
Water quality					
Water temperature	River flows				
Wetland habitat	Protect, enhance, restore				
Diversion loss		Diversion rate	River flows		
		Screening		Screening, relocating diversions	

C-043712

Assessment Variable	Supporting Variable		CALFED Action Component*	
1-5. Chinook salmon abundance (continued)	Outmigration survival	Stranding loss River flows	Predator removal	
		Predation Competition	Riparian habitat restoration, levee maintenance	
		River and Delta flows	Iron Mt. Mine cleanup	
		Riparian habitat	Protect, enhance, restore	
		Foodweb production	River flows	Screening, relocating diversions, flow management
		Water quality	Toxicity	Predator removal
		Water temperature	River flows	Hatchery marking, monitoring
	Wetland habitat	Diversion rate Screening	Hatchery marking, monitoring	
	Diversion loss	River flows		
	Ocean survival	Stranding loss Predation	Barriers	
		Competition	El Niño	
		Ocean conditions		
		Commercial harvest		
		Recreational harvest		

\* FIXED = relationship is assumed to not change.  
 INPUT = monthly hydrologic or meteorologic conditions.  
 FEEDBACK = relationship is addressed elsewhere in table.  
 FLOWS = water management control.  
 IFIM = Instream Flow Incremental Methodology  
 BMP = Best Management Practices

C-043713  
C-043713