Location	Parameter	Description	Year Type(s)	Dates/Values		
	Anadromous Salmonid and Sturgeon Survival Recommended O				itions	
Major Tributary Streams of the Sacramento River Basin: Sacramento, Feather, Yuba, American, Putah Creek, Cosumnes, Calaveras, Mokelumne, Stanislaus, Fuolumne, Merced, San Joaquin		Daily mean water temperature not to be exceeded in each Delta tributary stream, measured in degrees Fahrenheit	All	December 1 through May 15	59	
Sacramento River at Rio Vista	Base Flow	Maintain 14-day running average flows, measured in cfs. to provide positive flows for fall and spring run	All	February 1 through October 30		
		salmonid smolt outmigration.		6,000		
Sacramento River from Freeport to Chipps Island	Pulse Flows	Flows needed to sustain viable migration corridor for optimal smolt passage and survival, measured in cfs	All	April 1 through June 30		
				30,000		
Stanislaus, Tuolumne, and Merced Rivers at	nislaus, Tuolumne, S	Recommended flow releases for Stanislaus, Tuolumne and Merced rivers during dry, normal, and wet		October 20 through 29		
confluences with the san Joaquin River attract	water year types to provide attraction cues for migrating adult salmon in October;	All	1,200 cfs			
Stanislaus, Tuolumne, and Merced Rivers at Confluences with the San Joaquin River		Recommended flow releases for Stanislaus, Tuolumne and Merced rivers during dry, normal, and wet		Beginning Feb 15 to March		
	Dulco Flows	water year types to provide attraction cues for migrating adult salmon in October; floodplain	Critical and Dry	3,000 cfs, 2 da	ys	
	Pulse Flows	inundating flows beginning between Feb 15 and March 15, and to maintain mean water temperatures near 59 degrees F and maximum	Below Normal	3,000 cfs, 19 days; 6,000 cfs 2 d		
		temperatures below 65 degrees F from March 15 to June 15	Above Normal	3,000 cfs, 13 days; 6,000 cfs 5 da		
			Wet	3,000 cfs, 17 days; 6,000 cfs 5 da		

California Sportfishing Protection Alliance Recommendations for Optimal Ecological Conditions						
Location	Parameter	Description	Year Type(s)	Dates/Values		
	Pulse Flows			March 15 to 31	April 1 to 15	
			Critical, Dry, Blw and Above Normal	1,000 cfs	1,500 cfs	
		Recommended flow releases for	Wet	Vet 3,000 cfs 3	3,000 cfs	
		Stanislaus, Tuolumne and Merced rivers during dry, normal, and wet water year types to provide		April 16 to 20	April 21 to 30	
Stanislaus, Tuolumne, and Merced Rivers at		attraction cues for migrating adult salmon in October; floodplain inundating flows beginning between Feb 15 and March 15, and to	Critical and Dry	2,000 cfs		
Confluences with the San Joaquin River		maintain mean water temperatures near 59 degrees F and maximum temperatures below 65 degrees F from March 15 to June 15. Between	Below and Above Normal	2,000 cfs	2,000 cfs	
		May 16 and June 15, releases on	Wet	3,000 cfs	3,000 cfs	
			Stanislaus and Merced should be >= to 3,000 cfs; releases on Tuolumne should exceed 4,000 cfs.		May 1 to 15	
			Critical and Dry	275 cfs 275 cfs	275 cfs	
			Below and Above Normal		275 cfs	
			Wet	3,000 cfs		
Old River between Head of Old River to				March 15 through May 15 2000 cfs		
Downstream Confluence with San Joaquin	Base Flows	Maintain daily flow measured in cfs, to provide an outmigration corridor	All			
San Joaquin River at Jersey Point	Base Flow	Maintain 14-day mean flows at Jersey Point, measured in cfs. In February and March, these flows			October 1 through June 30 - salmon smolts	
		would expand habitat for Delta	Critical	1,000	1,000	
		smelt and other estuarine species,	Dry	1,500	1,000	
		in addition to providing positive flows for salmonid smolt outmigration.	Below Norm	2,000	2,000	
		3	Above Norm		2,000	
			Wet	3,000	3,000	
Recommended Estuarine and Salmonid Optimal Conditions						

California Sportfishing Protection Alliance Recommendations for Optimal Ecological Conditions					
Location	Parameter	Description	Year Type(s)	Dates/Values	
Major Tributary Streams of the Sacramento River Basin and the San Joaquin River Basin: Sacramento, Feather, Yuba, American, Putah Creek, Cosumnes, Calaveras, Mokelumne, Stanislaus, Tuolumne, Merced and San Joaquin rivers.	Inflow Contributions to Delta Outflow	Determine equitable shares of flow contributions allocated among named stream to determine inflows to the Delta sufficient to meet Delta outflow needs, to occur all years.			
				February 1 through March 31	
			Critical	9,100	
			Dry	23,500	
Chipps Island - Delta Outflow, Late Winter and Early Spring	Flows (Net Delta Outflow Index)	Mean Period Delta outflow, measured as a 14-day running	Below Norm	41,000	
		average	Above Norm	90,800	
			Wet	91,800	
	Flows (Net Delta Outflow Index)	Mean Period Delta outflow, measured as a 14-day running average Critical Dry Below Norm Above Norm Wet		April 1 through July 31	
			Critical	6,700	
Chipps Island - Delta			Dry	10,800	
Outflow, Mid-Spring and Early Summer Months			14,400		
				23,000	
			Wet	43,000	
Chipps Island - Delta Outflow, Summer to Early Winter Months	Flows (Net Delta Outflow Index)			August 1 through January 31	
		Mean Period Delta outflow,	Critical	4,100	
		measured as a 14-day running	Dry	9,200	
		average	Below Norm	12,100	
			Above Norm	14,600	
			Wet	29,000	

California Sportfishing Protection Alliance Recommendations for Optimal Ecological Conditions					
Location	Parameter	Description	Year Type(s)	Dates/Values	
Optimal Range of X2	X2	February 1 th 14-day running average position of		February 1 through March 31	
Positions in Winter and		2 parts per thousand salinity,	Critical	77 to 79	
Early Spring (from Western Suisun Bay to		measured 1 meter from channel bottom, expressed in kilometers upstream from the Golden Gate	Dry	68 to 69	
Honkers Bay)			Below Norm	58 to 64	
			Above Norm	52	
			Wet	51 to 52	
	X2	14 day rupping overage position of		April 1 through July 31	
Optimal Range of X2		14-day running average position of 2 parts per thousand salinity,	Critical	80 to 83	
Positions Spring to Mid- Summer (from Suisun Bay to Chipps Island)		measured 1 meter from channel Dry 75 t	75 to 78		
		bottom, expressed in kilometers upstream from the Golden Gate	Below Norm	70 to 77	
			Above Norm	63 to 75	
			Wet	54 to 73	
	X2			August 1 through January 31	
Optimal Range of X2 Positions in Late		14-day running average position of 2 parts per thousand salinity,	Critical	83 to 90	
Summer Through Early		measured 1 meter from channel Dry	70 to 87		
Winter (from Suisun Bay to Antioch)		bottom, expressed in kilometers upstream from the Golden Gate	Below Norm	67 to 84	
			Above Norm	64 to 87	
			Wet	50 to 84	
	Water Facilities Optimal Operations				
Delta Cross Channel and Georgiana Slough at Walnut Grove	Closure of gates; installation of acoustic barrier in Geo. Slough	Gates closed; acoustic barrier operating at head of Georgiana Slough at Sacramento River.	All	February 1 through June 30	

California Sportfishing Protection Alliance Recommendations for Optimal Ecological Conditions					
Location	Parameter	Description	Year Type(s)	Dates/Values	
Harvey O. Banks Pumping Plant (SWP); Jones Pumping Plant (CVP); and Contra Costa Pumping Plant (CVP)	Pumping rate			February 1 to March 15	March 16 to June 30
		Combined export rate, expressed in cfs.	All	Combined export allowed provided flows at Jersey Point follow base flow schedule shown above.	0