Partial Matrix#3: Conservation Measure Magnitudes and Certainties for Positive DRERIP Outcomes

Draft - September 25, 2009 | Matrix #3 - Measures vs Outcomes

See LEGEND to Right

POSITIVE OUTCOMES

CODE	Conservation Measure Description	Local Food and Rearing: Delta Smelt	Longfin-Smelt	Fall-Run Chin. Sac.	Late Fall-Run Chin.	Spring-Run Chinook	Winter-Run Chinook	Steelhead	Splittail	Green and white Sturgeon	Regional Food + Productivity: All species -ViewPoint #1	All Species -ViewPoint #2	Cool Water Refugia: Delta Smelt	Longfin Smelt	Fall-Run Chinook	Late Fall-Run Chin.	Spring-Run Chinook	Steelhead	Habitat (refers to changes in habitat resulting from the action): Quantity	Quantity - spawning habitat	Quality - Proximity to stressors	Quality - Suspended sediments for Delta smelt	Connectivity among habitats - Splittail	Connectivity among habitats -G&W Sturgeon	Species - Reduce mortality of native fish.: Delta Smelt	Longfin Smelt	Fall-Run Chin. San Joaquin	Fall-Run Chin. Sac.	Late Fall-Run Chin.	Spring-Run Chinook	Winter-Run Chinook	Steelhead	Splittail	Green and white Sturgeon	Species - Reduce Sub-lethal effects: Delta Smelt	Longfin Smelt	Salmon - fall, winter,	Steelhead	Splittail	Green and white Sturgeon	Species (refers to single species outcomes,may relate to a specific life stage.): Reproduction/ recruitment	Genetic diversity	Species composition Reduce predation by invasive species: Delta Smelt	Longfin-Smelt	Salmon - all runs	Steelhead	Splittail	Green and white Sturgeon	Species composition: Competition by invasive species
HRCM04	Cache Slough Area Tidal Habitat	O	O	J O	O	J O	J O	J O	O	O	●	O	O		O		O	O																															
HRCM05	Cosum/Moke Tidal Habitat	O		J O				J O	J ●		●	O	O		O		O	O																															
HRCM06	West Delta Tidal Habitat			J O		J O					●	O	O		O		O	O					J ●	O																									
HRCM07	South Delta Tidal Marsh	O		J O					J ●	O	●	O	O		O			O																															
HRCM08	East Delta Tidal Habitat			J O				O	J ●	O	●	O	O		O		O	O																															
HRCM09	Suisun Marsh Tidal Habitat	O	O	J O	O	J O	J O		O	O	●	O	O		O		O	O			●																												
WOCM 1	Dual Conveyance Scenario #1										●														ALJ ●	ALJ ● ●	●	●	●	●	●	● O	●	● ●														
WOCM 1	Dual Conveyance Scenario #2										●														ALJ ●	ALJ ● ●	●	●		●	●	● O	●	● ●														
WOCM 2a	Fremont Weir and Yolo Bypass Inundation Scenario #1			J ●	J ●	J ●	J ●	O	LJ ●	O	O O									●		LJ ●					● J ●	● J ●	● J ●	● J ●	● J ●	● J O		●														
WOCM 2b	Fremont Weir and Yolo Bypass Inundation Scenario #2			J ●	J ●	J ●	J ●	O	LJ ●	O	O O									●		LJ ●					● J ●	● J ●	● J ●	● J ●	● J ●	● J O		●														
OSCM 4	Reduce the Load of Pesticides and Herbicides										O														●	O		●	●	●	●	●	O	O ●	●	O	●	●	O	O ●									
OSCM 5	Reduce the Loads of Toxic Contaminants in Stormwater										O														O	O	O	O	O	O	O	O	O	O	O	O	●	●	O	OO									
OSCM 13	Remove Non-Native SAV and FAV	●	●	J ●	J ●	J ●	J ●	J ●	●				O	O						O	O																						O						
OSCM 14	Increase Harvest of Non- Native Predatory Fish																																										OO	OO	● ●	OO	OO	OO	O
OSCM 20	Artificial propagation of smelt																																								OO	OO							

Magnitude		Positive Certainty: High	Mediu	Low - Min	Negative Certainty: High	Mediu	Low - Min
	High	●	●	O	▲	▲	Δ
	Mediu	●	●	O	▲	▲	Δ
	Low - Min	●	●	O	▲	▲	Δ

I = larval life stage

J=Juvenile life stage

S= Spawning adults