

Figure 6-X. BDCP Conservation Measure Implementation Schedule following Issuance of BDCP Permits/Authorizations

CONSERVATION ACTIONS

Conservation Action	Near-term Period Implementation Year (1-year intervals)										Long-term Period Implementation Year (5-year intervals)							
	1	2	3	4	5	6	7	8	9	10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	45-50
Water Operations Conservation Measures																		
WOCMN12&L12: South Delta operations /OMR flows	[Yellow]										[Light Blue]							
WOCMN5&L5: DCC Gate operations	[Yellow]										[Light Blue]							
WOCMN6&L6: Rio Vista flows	[Yellow]										[Light Blue]							
WOCMN8: Two-gate operations	[Red]				[Green with diagonal lines]						[Light Blue]							
WOCMN9&L9: Delta outflow	[Yellow]										[Light Blue]							
WOCMN14&L14: Maintain agricultural and M&I water quality standards	[Yellow]										[Light Blue]							
WOCMN11&L11: Montezuma Slough salinity control gates operations	[Yellow]										[Light Blue]							
WOCML1: Construct and operate north Delta diversion facilities	[Orange]										[Light Blue]							
WOCML2: Modify and operate Fremont Weir/Yolo Bypass inundation	[Yellow]										[Light Blue]							
WOCML2: Stranding reduction and conveyance improvements in Yolo Bypass	[Yellow]										[Light Blue]							
WOCML2: Fremont Weir passage improvements	[Orange]										[Light Blue]							
WOCML2: Lisbon Weir passage improvements	[Orange]										[Light Blue]							
WOCML2: Lower Putah Creek passage improvements	[Orange]										[Light Blue]							
WOCML#: Dual operations to support water quality for fish and people	[Yellow]										[Light Blue]							
Physical Habitat Restoration Conservation Measures																		
<i>Restore 65,000 acres of tidal marsh habitat</i>																		
<i>Restore 14,000 acres by Year 10</i>										<i>Restore 25,000 acres by Year 15 and 65,000 acres by Year 40</i>								
HRCM 16: Restore 3,500 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 3,500 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 3,500 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 3,500 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 11,000 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 8,000 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 8,000 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 8,000 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 8,000 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
HRCM 16: Restore 8,000 acres of tidal marsh habitat	[Orange]										[Green with diagonal lines]							
<i>Restore 5,000 acres of riparian habitat</i>																		
<i>Restore 1,300 acres by Year 10</i>										<i>Restore 2,300 acres by Year 15 and 5,000 by Year 40</i>								
HRCM11/14: Restore 200 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 400 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 400 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 300 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 1,000 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 1,000 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 1,000 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
HRCM11/14: Restore 700 acres of riparian habitat	[Orange]										[Green with diagonal lines]							
<i>Enhance 20 miles of channel margin habitat</i>																		
HRCM#: Restore 5 miles of channel margin habitat	[Orange]										[Green with diagonal lines]							
HRCM#: Restore 5 miles of channel margin habitat	[Orange]										[Green with diagonal lines]							
HRCM#: Restore 5 miles of channel margin habitat	[Orange]										[Green with diagonal lines]							
HRCM#: Restore 5 miles of channel margin habitat	[Orange]										[Green with diagonal lines]							
<i>Restore 10,000 acres of floodplain habitat</i>																		
HRCM1/2: Restore 1,000 acres of seasonally inundated floodplain	[Yellow]										[Green with diagonal lines]							
HRCM1/2: Restore 3,000 acres of seasonally inundated floodplain	[Yellow]										[Green with diagonal lines]							
HRCM1/2: Restore 3,000 acres of seasonally inundated floodplain	[Yellow]										[Green with diagonal lines]							
HRCM1/2: Restore 3,000 acres of seasonally inundated floodplain	[Yellow]										[Green with diagonal lines]							
Terrestrial & non-tidal wetlands habitat protection, restoration, & enhancement measures																		
<i>Information to come when measures developed</i>																		
Other Stressors Conservation Measures																		
OSCM1: Study effects of ammonia/um from wastewater facilities	[Red]										[Green with diagonal lines]							
OSCM2: Study effects of endocrine disruptors from wastewater facilities	[Red]										[Green with diagonal lines]							
OSCM3: Reduce methylmercury	[Orange]										[Green with diagonal lines]							
OSCM4: Reduce the pesticides and herbicides from agricultural lands	[Orange]										[Green with diagonal lines]							
†OSCM5: Reduce pollutants in stormwater and urban runoff	[Orange]										[Green with diagonal lines]							
OSCM7: Maintain dissolved oxygen levels in the Stockton Deep Water Ship Channel	[Orange]										[Green with diagonal lines]							
†OSCM8: Improve water quality from managed seasonal wetlands drainwater	[Orange]										[Green with diagonal lines]							
OSCM10: Reduce the risk for future introductions of non-native species on recreational watercraft	[Orange]										[Green with diagonal lines]							
OSCM11: Improve detection and rapid response to non-native species invasions	[Orange]										[Green with diagonal lines]							
†OSCM13: Remove non-native aquatic vegetation	[Orange]										[Green with diagonal lines]							
OSCM14: Increase harvest of non-native predatory fish	[Red]										[Green with diagonal lines]							
OSCM16: Reduce illegal fish harvest through increased law enforcement	[Red]										[Green with diagonal lines]							
OSCM17: Reduce splittail harvest	[Red]										[Green with diagonal lines]							
OSCM18: Develop and implement hatchery and genetic management plans	[Red]										[Green with diagonal lines]							
OSCM19: Mark salmon and establish mark-select fishery	[Red]										[Green with diagonal lines]							
OSCM20: Establish new and expand existing propagation programs for delta and longfin smelt	[Red]										[Green with diagonal lines]							
†OSCM21: Reduce non-project diversion entrainment	[Red]										[Green with diagonal lines]							
†OSCM24: Conduct localized predator control actions	[Red]										[Green with diagonal lines]							
†OSCM25: Install non-physical barriers for outmigrating salmon smolts	[Red]										[Green with diagonal lines]							

Note to Reviewers: This table will support BDCP Chapter 6 Implementation Plan. The table presents a coarse-level estimate of the potential timing of implementation of BDCP conservation measures. The information in this table is preliminary and subject to change as more information is acquired.

† In addition to monitoring & adaptive management, this measure may require additional pilot studies and research before full implementation

LEGEND

- [Yellow] Near-term operations with monitoring & adaptive management
- [Light Blue] Long-term operations with monitoring & adaptive management
- [Orange] Site acquisition, planning (including feasibility studies for channel margin habitat), environmental compliance, and construction
- [Green with diagonal lines] Conservation measure is implemented with monitoring & adaptive management
- [Red] Interagency coordination & feasibility evaluations conducted & completed
- [Purple] Research & pilot studies implemented & completed
- [Blue with diagonal lines] If study results support implementation, site acquisition, planning, environmental compliance, and construction
- [Green with diagonal lines] If study results support implementation, full conservation measure is implemented with monitoring & adaptive management