

## 1 Chapter 6 Plan Implementation

2 *Note to Reviewers:* This document includes draft text for section 6.1 Plan Implementation  
3 Schedule of Chapter 6 Plan Implementation for review by the Steering Committee. Also  
4 provided is draft figure 6-x that graphically depicts the schedules described in the text. Drafts of  
5 other sections of this chapter will be provided to the Steering Committee at a later time.  
6

7 This chapter provides descriptions of the expected implementation schedule for the BDCP  
8 conservation measures, compliance monitoring and reporting procedures [*note: not in this draft*],  
9 requested regulatory assurances [*note: not in this draft*], changed circumstances and remedial  
10 measures [*note: not in this draft*], approach to addressing unforeseen circumstances [*note: not in*  
11 *this draft*], and permit amendment procedures [*note: not in this draft*].

### 12 6.1 Plan Implementation Schedule

13 The general schedule for implementation of each of the conservation measures is presented in  
14 Figure 6.1. [*Note to Reviewers: additional schedules presenting more detailed information*  
15 *related to the schedule for implementing each of conservation measures will be provided in*  
16 *subsequent versions of this Chapter.*] Year 0 of implementation is the year in which all permits,  
17 authorizations, and approvals are provided for the BDCP to initiate implementation of the BDCP  
18 Conservation Strategy as described in Chapter 3 *Conservation Strategy*. The plan  
19 implementation schedule represents the anticipated schedule for when conservation actions  
20 associated with each of the conservation measures will be implemented and serves as the basis  
21 for determining funding requirements over the term of BDCP implementation (see Chapter 8,  
22 *Implementation Costs and Funding Sources*). The plan implementation schedule is also used in  
23 the effects analysis to determine the anticipated timing of biological benefits to covered species  
24 and natural communities (see Chapter 5 *Effects Analysis*).

#### 25 6.1.1 Water Operation Conservation Measures

##### 26 6.1.1.1 Near-Term Water Operations

27 The implementation schedule assumes that near-term water operations conservation measures  
28 (i.e., conservation measures WOCMN12, WOCMN5, WOCMN6, WOCMN8, WOCMN9,  
29 WOCMN14, and WOCMN11), with the exception of the new Fremont Weir operations  
30 (conservation measure WOCML2), are implemented in the first year following BDCP approvals  
31 and continue until long-term water operations are implemented. Operation of the modified  
32 Fremont Weir is assumed to commence in year 7 following completion of construction necessary  
33 to install an operable gate on Fremont Weir (see Section 6.1.1.4, *Yolo Bypass Habitat*  
34 *Enhancements*).

### 1 **6.1.1.2 Construction of North Delta Diversion and Conveyance Facilities**

2 The implementation schedule assumes that construction the new north Delta diversion and  
3 conveyance facilities and related actions (part of conservation measure WOCML1) will require  
4 10 years to complete. Scheduled activities that would be implemented during this period include  
5 acquisition of lands, preparation and submittal of regulatory permit applications, preparation and  
6 letting of construction-related contracts, and facilities construction.

### 7 **6.1.1.3 Long-Term Water Operations**

8 The implementation schedule assumes that long-term water operations conservation measures  
9 (i.e., conservation measures WOCML12, WOCML5, WOCML6, WOCML9, WOCML14,  
10 WOCML11, WOCML1, WOCML2 [water operations only], and WOCML#) in year 11  
11 following construction of the north Delta diversion and conveyance facilities and continue over  
12 the term of the BDCP.

### 13 **6.1.1.4 Fremont Weir and Yolo Bypass Fish Passage Modifications** 14 **[Conservation Measure WOCML2]**

15 The implementation schedule assumes that modifications to the Fremont Weir and any attendant  
16 modifications necessary to the configuration of the Yolo Bypass to allow for operation of the  
17 weir will be completed in year 6 following BDCP approvals. Implementation activities assumed  
18 to occur and to be completed by year 6 include modification of the Fremont Weir, acquisition of  
19 flood easements and land (if necessary), completion of any additional regulatory compliance  
20 processes, and construction of Bypass modifications that may be necessary to direct and contain  
21 bypass flows (e.g., construction of dikes and training structures) resulting from operation of the  
22 modified weir.

23  
24 The implementation schedule assumes that modifications to the Lisbon Weir, lower Putah Creek  
25 channel, and any other modifications of the bypass to improve fish passage will be completed by  
26 year 6. Initial grading, excavation, and filling that may be required to reduce the potential for  
27 fish stranding is also expected to be completed by year 6, although localized actions to further  
28 reduce fish stranding are expected to occur in subsequent years as indicated by results of fish  
29 stranding monitoring. Implementation activities assumed to occur and to be completed by year 6  
30 include completion of any additional regulatory compliance processes, acquisition of land or  
31 easements necessary to implement the Bypass modifications, and construction-related activities.

### 32 **6.1.2 Physical Habitat Restoration Conservation Measures**

33 The schedule for implementing each habitat protection, enhancement, and restoration action is  
34 comprised of the following elements:

- 35 1. Habitat protection, enhancement, and restoration site acquisition,
- 36 2. Enhancement and restoration planning and design,
- 37 3. Regulatory compliance,
- 38 4. Habitat restoration and enhancement implementation activities.

1 These elements are generally expected to be implemented concurrently and are aggregated in  
2 the implementation schedule (see Figure 6-X).

3 **Habitat protection, enhancement, and restoration site acquisition.** This implementation  
4 element includes all activities related to identifying specific parcels of land that are available for  
5 acquisition and that have the physical and biological characteristics that render the lands suitable  
6 for achieving habitat protection, enhancement, and restoration objectives, and acquisition of the  
7 lands. Site acquisitions for actions that involve modifications to levees (e.g., setting back levees  
8 to restore seasonally inundated floodplain habitat) include obtaining concurrence of the  
9 responsible agencies to initiate planning studies.

10  
11 **Enhancement and restoration planning and design.** This implementation element includes all  
12 activities related to:

- 13 1. Development of conceptual restoration designs, including coordinating development of  
14 conceptual restoration designs with stakeholders (e.g., local, state, and federal agencies  
15 and potentially affected landowners);
- 16 2. Development of detailed restoration designs and cost estimates;
- 17 3. Development of bid specifications and drawings;
- 18 4. Preparation of restoration contracts and contractor selection; and
- 19 5. Development of habitat management plans to guide management activities to be  
20 implemented following completion of restoration actions.

21  
22 **Regulatory compliance.** This implementation element includes the preparation and submittal of  
23 documents and applications associated with compliance with and acquisition of the permits  
24 associated with applicable laws and regulations, including:

- 25 • Additional project-level review under section 7 of the Endangered Species Act, the  
26 California Environmental Quality Act, and National Environmental Policy Act;
- 27 • Sections 401 and 404 of the Federal Clean Water Act, including Nationwide Permit 27,  
28 *Stream and Wetland Activities*;
- 29 • California Water Code sections 1000 *et seq.* (water rights);
- 30 • Water Code sections 13000 *et seq.* (water quality);
- 31 • Sections 10 (33 USC 403) and 14 (33 USC 408) of the Rivers & Harbors Act of 1899;
- 32 • Section 1602 of the California Fish and Game Code (Streambed and Lakebed Alteration  
33 Agreements);
- 34 • Section 106 of the National Historic Preservation Act; and
- 35 • Encroachment permits for work on levees from the Central Valley Flood Protection  
36 Board and reclamation districts.

37 **Habitat restoration and enhancement implementation activities.** This implementation  
38 element includes all activities related to completing habitat restoration actions including:

- 39 1. Contractor mobilization;

- 1        2. Site preparation, including grading, excavation, and placement of fill;
- 2        3. Construction/installation of water management, utility and other operational
- 3        infrastructure;
- 4        4. demolition of or refurbishment of existing infrastructure;
- 5        5. construction of dikes, levees, and roads; and
- 6        6. Planting vegetation.

#### 7        **6.1.2.1 HRCM16: Restore 65,000 Acres of Tidal Marsh**

8        The implementation schedule assumes that, on average, tidal marsh will be restored in  
9        increments of 3,500 acres during the first, third, fifth, and ninth years of BDCP implementation  
10       to achieve the near-term implementation target for restoration of 14,000 acres of tidal marsh  
11       habitat. It is anticipated that most or all of tidal marsh restored during the near-term  
12       implementation period will be restored in the Cache Slough Complex, Suisun Marsh, and West  
13       Delta Restoration Opportunity Areas. The schedule assumes that the first 3,500 acres will be  
14       designed and approved through the BDCP process such that the 3,500 acres can be restored to  
15       tidal exchange in the first year of BDCP implementation. Site acquisition, planning, and  
16       compliance activities for the remaining near-term restoration increments are assumed to require  
17       2-8 years. The time required for these activities increases with each increment because it is  
18       assumed that public lands that are available to BDCP for restoration would be restored earlier  
19       and that acquisition of private lands for later increments would require more time.

20  
21       During the long-term implementation period, an additional 11,000 acres of tidal marsh will be  
22       restored from 11-15 years following BDCP approvals. The schedule assumes that the BDCP  
23       Implementing Entity will need to initiate site acquisition activities starting in the first year  
24       following BDCP approval to ensure completion of land acquisition, planning, regulatory  
25       compliance, and implementation activities within 15 years. Restoration of the remaining 40,000  
26       acres of restoration will be completed in 8,000 acre increments by implementation years 20, 25,  
27       30, 35, and 40 as indicated in Figure 6-X. Each increment of restoration is assumed to require 10  
28       years to complete site acquisition, planning and design, regulatory compliance, and  
29       implementation elements of the restorations.

30  
31       The implementation schedule assumes that monitoring and management of restored tidal marsh  
32       will occur over the remainder of the term of the BDCP following completion of each restoration  
33       increment.

#### 34       **6.1.2.2 HRCM11/14. Restore 5,000 acres of riparian habitat**

35       The implementation schedule assumes that riparian habitat will be restored during the near-term  
36       implementation period in increments of 200 acres, 400 acres, 400 acres, and 300 acres that would  
37       be completed by years 3, 5, 7, and 10, respectively (see Figure 6-X). This schedule assumes that  
38       the habitat implementation elements for riparian habitat restoration could either be 1) completed  
39       concurrently with implementation of near-term tidal marsh restoration actions if tidal marsh  
40       restoration acquisition sites include lands on which riparian habitat can be restored or 2)  
41       implemented independent of those actions. If riparian habitat is restored concurrent with

1 restoration of tidal marsh, riparian restoration actions could be implemented earlier than  
2 indicated in Figure 6-X.

3  
4 The schedule for the long-term implementation period assumes that riparian habitat will be  
5 restored in three increments of 1,000 acres to be completed by years 15, 25, and 35, respectively,  
6 and an increment of 700 acres by year 40 (see Figure 6-X). Site acquisition, planning, and  
7 compliance necessary for each increment are assumed to require 5 years to complete. This  
8 schedule assumes that the habitat action elements for riparian habitat restoration could either be  
9 1) partially or wholly completed in conjunction with implementation of long-term tidal marsh  
10 restoration actions if tidal marsh restoration acquisition sites include lands on which riparian  
11 habitat can be restored, 2) partially completed as part of channel margin enhancement actions  
12 that include restoration of riparian vegetation, 3) partially or wholly completed in conjunction  
13 with floodplain restoration actions, or 4) implemented independent of other enhancement and  
14 restoration actions. If riparian habitat is restored concurrent with enhancement or restoration of  
15 other habitat types, riparian restoration actions could be implemented earlier than indicated in  
16 Figure 6-X.

17  
18 The implementation schedule assumes that monitoring and management of restored tidal marsh  
19 will occur over the remainder of the term of the BDCP following completion of each restoration  
20 increment.

#### 21 **6.1.2.3 HRCM### Enhance 20 miles of channel margin habitat.**

22 The implementation schedule assumes that channel margin enhancements will be completed in  
23 increments of 5 miles of channel by years 15, 25, 30, and 35, respectively (see Figure 6-X).  
24 Each channel margin habitat enhancement increment will, on average, require three years to  
25 identify potential channel margin enhancement sites, coordinate planning with flood control  
26 agencies and Reclamation Districts, and conduct feasibility studies prior to implementation.  
27 Following approval of enhancement plans, two years are assumed to be required to obtain any  
28 outstanding regulatory approvals and permits and develop bid specifications and drawings and  
29 implement channel margin enhancements.

#### 30 **6.1.2.4 HRCM1-3: Restore 10,000 acres of seasonally inundated floodplain** 31 **habitat.**

32 Restoration of seasonally inundated floodplain habitat will require extensive levee set backs to  
33 reconnect historically connected floodplain with Delta channels. The implementation schedule  
34 assumes that at least 1,000 acres of floodplain will be restored by year 15 and that restoration of  
35 the remaining 9,000 acres of floodplain will be completed in increments of 3,000 acres by years  
36 25, 30, and 40 respectively (see Figure 6-X). Each floodplain restoration increment will, on  
37 average, require five years to identify potential floodplain restoration sites, coordinate planning  
38 with flood control agencies and Reclamation Districts, and conduct feasibility studies prior to  
39 implementation. Following approval of floodplain restoration plans, at least five years are  
40 assumed to be required to acquire restoration lands, obtain any outstanding regulatory approvals  
41 and permits, and develop bid specifications and drawings and implement channel margin  
42 enhancements.

1

### 2 **6.1.3 Other Stressors Conservation Measures**

#### 3 **6.1.3.1 OSCM1: Ammonia/um effects study.**

4 The implementation schedule assumes that Phase I of the conservation measure (engaging a  
5 group of ammonia/um experts to discuss state of knowledge and research needs) will take place  
6 before implementation of the BDCP (before Year 1).

7 If results from Phase I indicate the need for further study, Phase II (conducting targeted research  
8 on the effects of ammonia/um) will take 3 years, which is a typical research grant funding cycle  
9 (e.g., CALFED Science, NSF) (Years 1-3). If results from Phase I indicate that there is no need  
10 for further study, the conservation measure will end.

11 If the results from Phase II indicate that ammonia/um warrants the need to reduce wastewater  
12 treatment modifications, Phase III (identify sources of funding to reduce effects of effluent) will  
13 be initiated. It is estimated that it will take 2 years for planning and environmental compliance  
14 for each sanitation project (Year 4-5). It is estimated that it will take 1-2 years for construction of  
15 new facilities, depending on size and complexity (between Years 6 and 7). Therefore, full  
16 implementation could begin at the earliest in Year 7 and, once implemented, would continue  
17 over the term of the BDCP.

#### 18 **6.1.3.2 OSCM2: Endocrine disruptor effects study.**

19 The conservation measure indicates that Phase I (engaging a group of endocrine disruptor  
20 experts to discuss state of knowledge and research needs) will occur within 2 years of BDCP  
21 implementation (Years 1-2).

22 If results from Phase I indicate the need for further study, Phase II (conducting targeted research  
23 on the effects of endocrine disruptors) will take 3 years, which is a typical research grant funding  
24 cycle (Years 3-5). If results from Phase I indicate that there is no need for further study, the  
25 conservation measure will end.

26 If the results from Phase II indicate that endocrine disruptors warrants the need to reduce  
27 wastewater treatment modifications, Phase III (identify sources of funding to reduce effects of  
28 effluent) will be initiated. It is estimated that it will take 2 years for planning and environmental  
29 compliance for each sanitation project (Years 6-7). It is estimated that it will take 1-2 years for  
30 construction of new facilities, depending on size and complexity (between Years 8 and 9).  
31 Therefore, implementation would begin at the earliest in Year 9 and, once implemented, would  
32 continue over the term of the BDCP.

#### 33 **6.1.3.3 OSCM3: Methyl mercury reduction.**

34 The conservation measure is split into 3 actions:

35 1. Increase the trapping capacity of the Cache Creek settling basin.

36 This action involves expanding the area of the Cache Creek settling basin, raising the  
37 height of the outlet weir to hold water for longer, and annually extracting sediment. The

1 implementation schedule assumes that planning, acquisition of land, coordination with  
2 DWR and the CVRWQCB, and environmental compliance will take 4 years (Years 1-4).  
3 The implementation schedule assumes removal of old levees and construction of new  
4 levees will take 1 year (Year 5). As a result, the action would be implemented in Year 6.

5 The implementation schedule assumes that raising the outlet weir height is expected to  
6 take 1 year for environmental compliance and planning and coordination with DWR and  
7 the CVRWQCB, and 1 year for construction. As a result, the action would be  
8 implemented in Year 3. The implementation schedule assumes that extracting sediment  
9 annually would take 3 years for planning, coordination with DWR and the CVRWQCB,  
10 and environmental compliance is completed (Year 4).

11 The implementation schedule assumes that it will take 2 years for planning, coordination,  
12 and environmental compliance to implement the annual extraction of sediment.

13 2. Remediate inorganic mercury sources upstream.

14 The implementation schedule assumes planning, coordination with the CVRWQCB, and  
15 environmental compliance will take 3 years. Therefore, implementation will begin in  
16 Year 4 and will continue over the term of the BDCP.

17 3. Implement most promising management practices for other sources of methylmercury.

18 The implementation schedule assumes that planning and coordination with CRWQCB  
19 and environmental compliance, if needed, will take 2-3 years. Therefore, the action will  
20 be implemented in Year 3 and will continue over the term of the BDCP.

21 **6.1.3.4 OSCM4: Reduce the Load of Agricultural Pesticides and Herbicides**  
22 **Entering Delta Waterways from In-Delta Sources that are Believed to be**  
23 **Toxic to Covered Fish Species and the Food Organisms Upon Which**  
24 **They Depend.**

25 This conservation measure would include 2 actions:

- 26 1. Irrigated Lands Regulatory Program - The implementation schedule assumes  
27 implementation in Year 1 because the action consists only of funding and coordination  
28 and planning with the CVRWQCB and county agricultural commissioners.
- 29 2. Work with area farmers, coalitions, the CVRWQCB and the Department of Pesticide  
30 Regulation to develop plans to reduce pesticide and herbicide input to Delta waterways.  
31 The implementation schedule assumes implementation will begin in Year 1 because the  
32 action consists mainly of developing and implementing plans and coordination and  
33 planning before implementation with the CVRWQCB and the Department of Pesticide  
34 Regulation. Over time, the scale of this measure will increase as more growers  
35 participate in the program and larger amounts of agricultural lands implement  
36 management actions.

37 In addition to these conservation actions, the load of pesticides and herbicides entering Delta  
38 waterways will be reduced incrementally where agricultural lands are restored in BDCP habitat  
39 restoration areas (see Section 6.1.2, *Physical Habitat Restoration Conservation Measures*) and  
40 the application of pesticides and herbicides on those lands is discontinued.

1 **6.1.3.5 OSCM5: Reduce pollutants in stormwater and urban runoff.**

2 The implementation schedule assumes that actions related to providing resources and funding  
3 would begin immediately. Therefore, the action will be implemented in Year 1. The  
4 implementation schedule also assumes 2-3 years for planning, environmental compliance, and  
5 construction involved with each individual project. Therefore, completion of the first project to  
6 reduce loads of pollutants from stormwater and urban runoff entering the Delta is assumed to  
7 occur in Year 3. Additional projects will expand the scope of these measure over the term of the  
8 BDCP.

9 **6.1.3.6 OSCM7: Maintain dissolved oxygen levels in the Stockton Deep Water**  
10 **Ship Channel.**

11 The implementation schedule assumes the current demonstration project could be implemented  
12 immediately (Year 1) although, based on review of preliminary data and discussion with DWR  
13 staff that indicate modification may be necessary (B. McLaughlin, DWR pers. comm.), the  
14 implementation schedule assumes the diffuser technology will need to be modified for  
15 substantial biological benefits. The implementation schedule assumes completion of a  
16 demonstration study by 2011 (end of Year 1) that will provide guidance on how to modify the  
17 diffusers. Additional planning, coordination, environmental compliance, and construction would  
18 take 2 additional years if modifications are necessary. Therefore, full implementation will occur  
19 in Year 4 and will continue over the term of the BDCP.

20 **6.1.3.7 OSCM8: Improve water quality from managed seasonal wetlands**  
21 **drainwater.**

22 The implementation schedule assumes that the CALFED-funded study identifying best  
23 management practices to be used in this conservation measure will be completed by the end of  
24 Year 1. The implementation schedule assumes 1 year for planning, coordination, and  
25 identification of volunteer properties on which to implement best management practices.  
26 Therefore, implementation of this conservation measure will begin in Year 2 and will continue  
27 over the term of the BDCP. Over time, the scale of this measure will increase as more managed  
28 seasonal wetlands implement these best management practices.

29 **6.1.3.8 OSCM10: Reduce the risk for future introductions of organisms on**  
30 **recreational watercraft.**

31 The implementation schedule assumes 2 years of coordination with CDFA, DFG, and local  
32 agencies, planning, and construction of wash stations and temporary checkpoints. Therefore,  
33 implementation of this measure would begin in Year 3 and will continue over the term of the  
34 BDCP.

35 **6.1.3.9 OSCM11: Improve detection and rapid response to non-native species**  
36 **invasions.**

37 The implementation schedule assumes 1 year of planning with CDFA and DFG and  
38 environmental compliance, which may include obtaining scientific collectors permits from DFG.  
39 Implementation would begin in Year 2 and will continue over the term of the BDCP.



1 **6.1.3.10 OSCM13: Remove non-native aquatic vegetation to reduce predator**  
2 **habitat.**

3 Due to the use of herbicides associated with this measure, the implementation schedule assumes  
4 environmental compliance will be more substantial than in other measures. Therefore, the  
5 implementation schedule assumes 2-3 years of planning with the Department of Boating and  
6 Waterways and environmental compliance. Earliest implementation will occur in Year 3 and  
7 will continue over the term of the BDCP.

8 **6.1.3.11 OSCM14: Increase harvest of non-native predatory fish.**

9 The implementation schedule assumes 3 years for pilot study, as indicated in the measure text.  
10 The implementation schedule assumes 1 year for subsequent conditional planning and regulatory  
11 changes to be approved. Therefore, conditional implementation will occur in Year 5 and will  
12 continue over the term of the BDCP.

13 **6.1.3.12 OSCM16: Reduce illegal fish harvest through increased law**  
14 **enforcement.**

15 The implementation schedule assumes that planning and coordination with DFG and the existing  
16 DBEEP program will occur in the interim period such that implementation will begin in Year 1  
17 and will continue over the term of the BDCP.

18 **6.1.3.13 OSCM17: Reduce splittail harvest.**

19 The implementation schedule assumes 2 years of background study, including review of DFG  
20 creel survey data, to determine whether harvest regulation is warranted, as indicated in the  
21 measure text. The implementation schedule assumes 1 year for planning and regulatory changes  
22 to be approved. Conditional implementation will occur in Year 4.

23 **6.1.3.14 OSCM18: Develop and implement hatchery and genetic management**  
24 **plans.**

25 The implementation schedule assumes implementation could occur in Year 1. The  
26 implementation schedule assumes that it will take approximately 2-3 years to complete the  
27 hatchery and genetic management plans (HGMPs) for the hatcheries included in this  
28 conservation measure depending upon the current status of each towards completion, if  
29 additional data is needed, and other factors (S. Witalis, pers. comm.). The implementation  
30 schedule assumes this will occur during Years 1-3 of BDCP implementation though some  
31 progress would be expected to occur prior to BDCP implementation.

32 Implementation of the completed HGMPs would be expected to begin during Years 3-4  
33 depending upon completion date and implementation of the HGMPs will continue over the term  
34 of the BDCP.

35 Ongoing staffing efforts associated with this conservation measure to aid in HGMP preparation  
36 and implementation would be expected to occur simultaneously during the Years 1-4 timeframe.

1 **6.1.3.15 OSCM19: Mark salmon and establish mark-select fishery.**

2 The implementation schedule assumes it will take 1 year for the BDCP Implementing Entity to  
3 draft a proposal of full implementation and regulatory review by DFG and PFMC. The  
4 implementation schedule also assumes there will be 6 years of pilot study, as defined in the  
5 measure text. Therefore, conditional implementation would begin in Year 8.

6 **6.1.3.16 OSCM20: Establish new and expand existing propagation programs for  
7 delta and longfin smelt.**

8 The implementation schedule assumes 3-4 years of planning and coordination with UC Davis  
9 and USFWS, site acquisition, environmental compliance, and construction of new facilities.  
10 Therefore, implementation will begin as early as Year 3 and will continue over the term of the  
11 BDCP.

12 **6.1.3.17 OSCM21: Reduce non-Project diversion entrainment.**

13 The implementation schedule assumes that each local action with non-Project diverters will  
14 require 2-3 years for planning and coordination with fish screen programs from USFWS and  
15 DFG, environmental compliance, and construction. Therefore, implementation of the first action  
16 will be completed as early as Year 3. The program will expand as more local actions are  
17 coordinated and implemented over the term of the BDCP.

18 In addition to this conservation action, it is expected that unscreened diversions will be reduced  
19 incrementally where agricultural lands are restored in BDCP habitat restoration areas (see  
20 Section 6.1.2, *Physical Habitat Restoration Conservation Measures*) and the need for diversion  
21 of irrigation water for those lands is no longer required.

22 **6.1.3.18 OSCM24: Conduct localized predator control actions.**

23 The implementation schedule assumes 2 years of planning and environmental compliance.  
24 Implementation would begin in Year 3. Construction to modify channel geometry, one of the  
25 actions proposed to control predator abundance, could take an additional 1-2 years.

26 **6.1.3.19 OSCM25: Install non-physical barriers for outmigrating salmon smolts.**

27 The implementation schedule assumes 2-3 years of planning, environmental compliance, and  
28 construction of each barrier. Therefore, implementation of the first non-physical barrier will  
29 begin as early as Year 3. Additional non-physical barriers would be added at various locations  
30 over the term of the BDCP.

31 **6.2 Compliance Monitoring and Reporting**

32 *[Text To Come]*

33 *[Note to Reviewers: This section will describe monitoring that will be undertaken in compliance*  
34 *with permit conditions (e.g., construction monitoring to ensure implementation), reporting*  
35 *procedures, and monitoring report contents.]*

## 6.3 Regulatory Assurances and Changed Circumstances and Unforeseen Circumstances

### 6.3.1 Regulatory Assurances

*This section will describe the regulatory assurances requested by the Permit Applicants from the USFWS, NMFS, and DFG.*

### 6.3.2 Changed Circumstances

*[Text To Come]*

### 6.3.3 Unforeseen Circumstances

*[Text To Come]*

*[Note to Reviewers: This section will describe the approach for addressing unforeseen circumstances. Unforeseen circumstances are defined as “circumstances affecting a species or geographic area covered by a conservation plan that could not reasonably be anticipated by plan developers and the Services at the time of the conservation plan’s negotiation and development, and that result in a substantial and adverse change in the status of the covered species.” (50 C.F.R. §17.3)]*

## 6.4 Permit Duration, Amendment, Renewal, and Enforcement

*[Text To Come]*

*[Note to Reviewers: This section will identify and describe the rationale for the requested duration of ESA and CESA permits and summarize processes described in the draft Implementing Agreement for amending the plan and for renewing and enforcing permits.]*