

**Table 6–1. Planning Survey Requirements**

Biological Resource	Survey or Evaluation Requirement	Project Site Conditions Requiring Surveys <sup>1</sup>	Planning Application	Survey/Evaluation Method <sup>2</sup>	Survey Period
<i>Natural Community and Other Land Cover Types</i>					
<i>Oak Woodland and Savanna Natural Community</i>					
Blue Oak Savanna Blue Oak Woodland Interior Live Oak Woodland Mixed Oak Woodland	Identify the acreage of land cover types present based on the BRCP Land Cover GIS database—surveys, however, may be conducted at the discretion of the project proponent	None	Calculation of Base Fee	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover type classification	Year round
<i>Grassland Natural Community</i>					
Grassland Grassland with Vernal Swale Complex	Identify the acreage of land cover types present based on the BRCP Land Cover GIS database—surveys, however, may be conducted at the discretion of the project proponent	None	Calculation of Base Fee. See Section 404 jurisdictional wetlands below for wetland survey requirements and fee calculation for vernal pools and other seasonal wetlands.	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover type classification	Year round
<i>Riparian Natural Community</i>					
Cottonwood Willow Riparian Forest Valley Oak Riparian Forest Willow Scrub Dredger Tailings with Riparian	Identify the acreage of land cover types present based on the BRCP Land Cover GIS database—surveys, however, may be conducted at the discretion of the project proponent	None	Calculation of Riparian Fee. See Section 404 jurisdictional wetlands and Section 1602 jurisdictional riparian below for applications.	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover type classification	Year round
Herbaceous Riparian River Bar	None	Not applicable	Not applicable	Not applicable	Not applicable

**Table 6–1. Planning Survey Requirements (continued)**

Biological Resource	Survey or Evaluation Requirement	Project Site Conditions Requiring Surveys <sup>1</sup>	Planning Application	Survey/Evaluation Method <sup>2</sup>	Survey Period
<i>Wetland Natural Community</i>					
Emergent Wetland	Section 404 jurisdictional delineation. See section below on Section 404 wetlands	None	Calculation of Emergent Wetland Fee. See Section 404 jurisdictional wetlands below for applications.	USACE manual and specialized methods appropriate for specific wetland resources	Year round
Managed Seasonal Wetland Managed Wetland	Section 404 jurisdictional delineation. See section below on Section 404 wetlands	None	Calculation of Vernal Pool Fee. See Section 404 jurisdictional wetlands below for applications.	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover type classification. USACE manual and specialized methods appropriate for specific wetland resources	Year round
<i>Aquatic Natural Community</i>					
Open Water Major Canal Pond	Section 404 jurisdictional delineation. See section below on Section 404 wetlands and other waters of the U.S.	None	Not Mitigation of ponds	USACE manual	Year round
<i>Agricultural Land Cover Types</i>					
Rice Irrigated Cropland Irrigated Pasture	Section 404 jurisdictional delineation. See section below on Section 404 wetlands	None	Calculation of Emergent Wetland Fee. See Section 404 jurisdictional wetlands below for applications.	USACE manual and specialized methods appropriate for specific wetland resources	Year round
Orchard/Vineyard Non-Native Woodland	Identify the acreage of land cover types present based on the BRCP Land Cover GIS database—surveys, however, may be conducted at the discretion of the project proponent	None	Calculation of Base Fee. No fee charged on these land cover types	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover type classification	Not applicable

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
<i>Other Non-Urban Land Cover Types</i>					
Chaparral Conifer Dominated Forest Dredger Tailings with Herbaceous	Identify the acreage of land cover types present based on the BRCP Land Cover GIS database—surveys, however, may be conducted at the discretion of the project proponent	None	Calculation of Base Fee. No fee charged on chaparral and conifer dominated forest land cover types	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover classification	Year round
<i>Urban Land Cover Types</i>					
Urban Ranchettes Open Ranchettes Wooded Disturbed Ground	Identify the acreage of land cover types present based on the BRCP Land Cover GIS database—surveys, however, may be conducted at the discretion of the project proponent	None	Calculation of Base Fee. No fee charged on these land cover types	Field mapping of land cover types using a land cover classification that can be directly correlated to BRCP land cover classification	Year round

**Table 6–1. Planning Survey Requirements (continued)**

Biological Resource	Survey or Evaluation Requirement	Project Site Conditions Requiring Surveys <sup>1</sup>	Planning Application	Survey/Evaluation Method <sup>2</sup>	Survey Period
<b>Covered Species</b>					
<i>Bird Species</i>					
Tricolored blackbird	Conduct surveys to determine if tricolored blackbird active nesting colonies are present	Suitable nesting habitat is present extending to 1,300 feet outside of the project site boundary and habitat or nesting individuals could be impacted by the project	If present, design project to avoid impacts within 1,300 feet of the colony site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Kelsey 2008	March 15 to June 15
	Determine if tricolored blackbird nesting colonies that have been active within the previous 5 years are present	Not applicable	If present, design project to avoid impacts within 1,300 feet of the colony site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Review of nesting colony records maintained by BCAG	Not applicable
Yellow-breasted chat	None	Not applicable	Not applicable	Not applicable	Not applicable
Bank swallow	Conduct surveys to determine if active bank swallow nesting colonies are present	Suitable bank swallow nesting habitat is present extending to 200 feet outside of the project site boundary and habitat or nesting individuals could be impacted by the project	If present, design project to avoid impacts within 200 feet of the colony site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Visual surveys	April 1 to August 15
	Determine if bank swallow nesting colonies have been active within the previous 5 years are present	Not applicable	If present, design project to avoid impacts within 500 feet of the colony site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Review of nesting colony records maintained by BCAG	Not applicable
Western burrowing owl	None <sup>3</sup>	Not applicable	Not applicable	Not applicable	Not applicable

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
Western yellow-billed cuckoo	Determine if an occupied nest site is present	Suitable western yellow-billed cuckoo nesting habitat is present extending to 1,300 feet outside of the project site boundary and habitat or nesting individuals could be impacted by the project	If present, design project to avoid impacts within 1,300 feet of the nest site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Laymon 1998	June 15 to August 10
Greater sandhill crane	Conduct surveys to determine if an active winter roost site is present	Suitable roosting habitat is present within 2,600 feet outside of the project site boundary and habitat or roosting individuals could be impacted by the project	If present, design the project to avoid impacts within 2,600 feet of the roost site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Visual surveys of cranes moving to roost sites from foraging habitat near dusk	October 15 to February 15
	Determine if winter roost sites nesting colonies that have been active within the previous 5 years are present within the project site and within 2,600 feet of the project site boundary	Not applicable	If present, design project to avoid impacts within 2,600 feet of the roost site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Review of roost site records maintained by BCAG	Not applicable
California black rail	Conduct surveys to determine if California black rail is present	Suitable habitat is present extending to 500 feet outside of the project site boundary and habitat or individuals could be impacted by the project	If present, design project to avoid impacts within 500 feet of the occupied habitat unless a shorter distance is approved by BCAG, USFWS, and CDFW	Call-playback surveys	June 1 to August 31

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
American peregrine falcon	Conduct surveys to determine if an active nest site is present	Suitable rock face nesting habitat in modeled is present extending to 500 feet outside of the project site boundary and habitat or individuals could be impacted by the project	If present, design project to avoid impacts within 500 feet of the nest site unless a shorter distance is approved by BCAG, USFWS, and CDFW	Visual searches for occupied nest sites in suitable habitat	March 15 to August 15
	Determine if peregrine falcon nest site that has been active within the previous 5 years is present extending to 500 feet outside of the project site boundary	Not applicable	If present, design project to avoid impacts within 500 feet of the nest site(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Review of nesting records maintained by BCAG	Not applicable
Swainson’s hawk White-tailed kite	None <sup>3</sup>	Not applicable	Not applicable	Not applicable	Not applicable
Bald eagle	Conduct surveys to determine if active bald eagle nest sites are present	Suitable nesting trees in modeled habitat are present extending to 1,300 feet outside of the project site boundary and habitat or individuals could be impacted by the project	If present, design project to avoid impacts within 1,300 feet of the nest tree(s) unless a shorter distance is approved by BCAG, USFWS, and CDFW	Visual searches for occupied nest sites in suitable habitat	March 1 to June 30
	Determine if bald eagle nest sites that have been active within the previous 5 years are present	Not applicable	If present, design project to avoid impacts on the function of nest tree(s) as suitable nesting habitat	Review of nesting records maintained by BCAG	Not applicable
<i>Reptile and Amphibian Species</i>					
Giant garter snake	None <sup>3</sup>	Not applicable	Not applicable	Not applicable	Not applicable

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
Western pond turtle Foothill yellow-legged frog	None <sup>4</sup>	Not applicable	Not applicable	Not applicable	Not applicable
Western spadefoot toad	Conduct surveys to determine if western spadefoot toad is present	Suitable aquatic breeding habitat in the project site that could be impacted by the project	If breeding is documented, design the project to avoid impacts on identified occurrences unless the number of new occurrences specified in Table 6–3 have been protected. If the specified number of occurrences have been protected, then consult with USFWS and CDFW as provided in the requirements for each covered plant species presented in Table 6–3	Visual and dip-net surveys for adults, larvae, and tadpoles	January to May
Blainville’s horned lizard	Conduct surveys to determine if Blainville’s horned lizard is present	Suitable habitat in the project site that could be impacted by the project	If present, consult with USFWS and CDFW as provided for in Table 6–3	Visual surveys	April to May

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
<i>Fish Species</i>					
Central Valley steelhead Central Valley spring-run Chinook salmon Central Valley fall/late fall-run Chinook salmon Green sturgeon	None <sup>4</sup>	Not applicable	Not applicable	Not applicable	Not applicable
<i>Invertebrate Species</i>					
Valley elderberry longhorn beetle	Conduct surveys to determine the number of elderberry shrubs supporting valley elderberry longhorn beetle habitat that are present	Presence of elderberry shrubs in the project site and within 100 feet outside of the project site boundary <sup>3</sup> that could be impacted by the project	Determine requirements for the number of elderberry shrubs to be planted in BRCP restored riparian habitat to mitigate impacts	USFWS 1999b	Year round
Vernal pool tadpole shrimp Vernal pool fairy shrimp	None <sup>4</sup>	Not applicable	Not applicable	Not applicable	Not applicable
Conservancy fairy shrimp	Conduct surveys to determine if Conservancy fairy shrimp is present	Presence of suitable vernal pool habitat within the project site that could be impacted by the project	If present, design the project to avoid all impacts on occupied habitat	USFWS 1996	Early to mid-spring when vernal pools maintain water

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
<i>Plant Species</i>					
Ferris’ milkvetch Ahart’s dwarf rush Red Bluff dwarf rush Ahart’s paronychia Butte County golden clover	Conduct surveys to determine if plant species is present	Presence of suitable habitat	If present, either design the project to avoid impacts on identified occurrences or consult with USFWS and CDFW as provided in the requirements for each covered plant species presented in Table 6–3	DFG (2009)	February 15 through April 30
Lesser saltscale Hoover’s spurge Hairy Orcutt grass Slender Orcutt grass California beaked-rush Greene’s tuctoria	Conduct surveys to determine if plant species is present	Presence of suitable habitat	If present, design the project to avoid impacts on identified occurrences unless the number of new occurrences specified in Table 6–3 has been protected. If the specified number of occurrences have been protected, then consult with USFWS and CDFW as provided in the requirements for each covered plant species presented in Table 6–3	DFG (2009)	May 1 through July 31

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
Veiny Monardella	Conduct surveys to determine if plant species is present	Presence of suitable habitat	If present, design the project to avoid impacts on identified occurrences unless the number of new occurrences specified in Table 6–3 has been protected. If the specified number of occurrences have been protected, then consult with USFWS and CDFW as provided in the requirements for each covered plant species presented in Table 6–3	DFG (2009)	April 15 through May 31
Butte County checkerbloom	Conduct surveys to determine if plant species is present	Presence of suitable habitat	If present, either design the project to avoid impacts on identified occurrences or consult with USFWS and CDFW as provided in the requirements for each covered plant species presented in Table 6–3	DFG (2009)	April 15 through May 31
Butte County Meadowfoam	Conduct survey (desktop or on ground) for primary habitat within the Chico UPA	Portions of project sites within the Chico UPA	Calculation of Meadowfoam Fee	Definition of Butte County meadowfoam primary habitat in Appendix A	Year round

**Table 6–1. Planning Survey Requirements (continued)**

<b>Biological Resource</b>	<b>Survey or Evaluation Requirement</b>	<b>Project Site Conditions Requiring Surveys<sup>1</sup></b>	<b>Planning Application</b>	<b>Survey/Evaluation Method<sup>2</sup></b>	<b>Survey Period</b>
	Except in locations supporting the occurrences in Table 4-10 that will be impacted by covered activities, conduct surveys to determine if plant species is present	Presence of suitable habitat	If present, either design the project to avoid impacts on identified occurrences or consult with USFWS and CDFW as provided in the requirements for each covered plant species presented in Table 6–3	DFG (2009)	May 1 through July 31
<b>Section 404 Clean Water Act Jurisdictional Wetlands and Waters of the U.S.</b>					
Wetlands, ponds, streams, and drainages	Delineate jurisdictional wetlands and other waters of the U.S. under Section 404 of the Clean Water Act	Entire project site	Avoidance of streams and establishment of stream and riparian buffers Determine Section 404 mitigation requirements Determine covered vernal pool and other wetland and riparian species mitigation requirements Determine vernal pool, emergent wetland, and riparian restoration mitigation fees	USACE manual and specialized methods appropriate for specific wetland resources	Year round, but specific seasons are preferred for different wetlands types

**Table 6–1. Planning Survey Requirements (continued)**

Biological Resource	Survey or Evaluation Requirement	Project Site Conditions Requiring Surveys <sup>1</sup>	Planning Application	Survey/Evaluation Method <sup>2</sup>	Survey Period
<b>Section 1602 Fish and Game Code Jurisdictional Streams, Lake, and Riparian Habitat</b>					
Streams, ponds, riparian habitats	Delineate jurisdictional bed and bank and associated vegetation under Section 1600 et seq. of the California Fish and Game Code	Entire project site	Avoidance of streams and establishment of stream and riparian buffers Determine riparian mitigation requirements Determine riparian species mitigation requirements Determine riparian restoration mitigation fees	CDFW Guidance	Year round

<sup>1</sup>Suitable habitat for the covered species is described for each species in Appendix A, *Covered Species Accounts*.

<sup>2</sup>See Appendix E, *Survey Protocols*. Survey methods as dated are the methods that will be used under the BRCP. Any future changes in these survey methods must be approved by BCAG.<sup>3</sup>Preconstruction surveys must be conducted for this species (see Table 6–2). Planning surveys are not required because all required AMMs are addressed by preconstruction surveys.

<sup>4</sup>Presence of this species in its modeled habitat is assumed and, therefore, surveys are not required.