

Table 5-17. Survey Area and Timing of Preconstruction Surveys

<i>Covered Species (survey focus)</i>	<i>Activity Footprint Survey Area and Survey Distance from the Footprint Boundary (feet)</i>	<i>Survey Period for Determining Species Presence/Absence</i>	<i>Survey Protocol¹</i>
California black rail (occupied habitat)	1,320	March 15 to June 15	Richmond et al. 2008
Bald eagle (occupied nest site)	2,600	March 1 to June 30	Jackman and Jenkins 2004
Swainson's hawk (occupied nest site)	1,320	March 15 to August 15	SWHTAC 2000
White-tailed kite (occupied nest site)	1,320	March 15 to August 15	SWHTAC 2000
Peregrine falcon (occupied nest site)	2,600	March 15 to August 15	Standard visual surveys
Greater sandhill crane (occupied winter roost site)	5,200	October 15 to February 15	Standard visual surveys
Western burrowing owl (occupied nesting burrows)	500	February 1 to July 30 (breeding season) September 1 through January 30 (non-breeding season)	DFG 1995
Western yellow-billed cuckoo (occupied nest site)	2,600	June 15 to August 10	Laymon 1998
Yellow-breasted chat (occupied nest site)	1,320	April 15 to July 31	Standard area search technique
Tricolored blackbird (nesting colony)	2,600	March 15 to June 15	Kelsey 2008
Foothill yellow-legged frog (occupied breeding habitat)	500	April 1 through September 30	Seltenrich and Pool 2002
Western spadefoot toad (occupied breeding habitat)	500	October through May	Standard transect/vocalization, and aquatic surveys
Western pond turtle (occupied aquatic habitat)	200	April 1 through September 30	Bury et al. in prep.
Giant garter snake (occupied habitat)	200	May 1 through September 30	USFWS 1997
Valley elderberry longhorn beetle (occupied habitat)	200	All year	USFWS 1999
Vernal pool fairy shrimp and vernal pool tadpole shrimp (occupancy of vernal pools supporting habitat)	250	Wet season – winter/spring Dry season – summer/fall	USFWS 1996

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Table 5-17. Survey Area and Timing of Preconstruction Surveys (continued)

<i>Covered Species (survey focus)</i>	<i>Activity Footprint Survey Area and Survey Distance from the Footprint Boundary (feet)</i>	<i>Survey Period for Determining Species Presence/Absence</i>	<i>Survey Protocol¹</i>
Conservancy fairy shrimp (occupancy of vernal pools supporting habitat)	250	Wet season – winter/spring Dry season – summer/fall	USFWS 1996
Ferris’ milkvetch (occupied habitat)	250	February 15 through April 30	USFWS 1996
Lesser saltscare (occupied habitat)	250	May 1 through July 31	USFWS 1996
Hoover’s spurge (occupied habitat)	250	May 1 through July 31	USFWS 1996
Ahart’s dwarf rush (occupied habitat)	250	February 15 through April 30	USFWS 1996
Red Bluff dwarf rush (occupied habitat)	250	February 15 through April 30	USFWS 1996
Butte County meadowfoam (occupied habitat)	250 ²	February 15 through April 30	USFWS 1996
Hairy Orcutt grass (occupied habitat)	250	May 1 through July 31	USFWS 1996
Slender Orcutt grass (occupied habitat)	250	May 1 through July 31	USFWS 1996
Ahart’s paronychia (occupied habitat)	250	February 15 through April 30	USFWS 1996
California beaked rush (occupied habitat)	250	May 1 through July 31	None
Butte County checkerbloom (occupied habitat)	100	April 15 through May 31	None
Veiny monardella	100	April 15 through May 31	None
Butte County golden clover (occupied habitat)	250 ²	February 15 through April 30	USFWS 1996
Greene’s tuctoria (occupied habitat)	250	May 1 through July 31	USFWS 1996

¹Survey protocols may be revised in coordination with USFWS, DFG, and NMFS.

²Survey protocol based on vernal pool standards.

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