

## Preliminary DRAFT BDCP Covered Species Habitat Conservation Targets

***Note to Reviewers:** This handout provides SAIC’s draft proposed habitat conservation acreage targets for covered species and a proposed distribution of conservation zones in the plan area. The targets presented in this table do not include habitat targets for species habitats that are supported by agricultural and managed wetland communities (placeholders for agricultural and management wetlands targets are noted as “To be determined.” SAIC will provide these draft targets at a later date). These draft targets are preliminary and are subject to change based on completion of the effects and conservation assessment and application of avoidance and minimization measures.*

*The draft habitat preservation and restoration targets identify the desired conservation zones (CZ) in which habitat may be conserved within the Plan Area or Suisun Marsh (see attached map of CZs). Each of the species habitat targets, however, may be partially or wholly implemented outside of the Plan Area consistent with other conservation plans.*

Covered Species	Habitat Preservation Target by Conservation Zone (CZ) (acres)	Habitat Restoration Target by Conservation Zone (CZ) (acres)
San Joaquin kit fox		
<i>Breeding, foraging, and dispersal habitat</i>	Extent: 1,000 CZ: 8	Extent: 0 CZ: Not applicable.
<i>Foraging and dispersal habitat</i>	To be determined.	Extent: 0 CZ: Not applicable.
Riparian woodrat	Extent: 0 CZ: Not applicable.	Extent: 100 CZ: 7
Salt marsh harvest mouse		
<i>Wetland habitat</i>	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 3,700-4,800 acres of restored brackish tidal marsh plain CZ: 11
<i>Upland habitat</i>	Extent: Transitional upland associated with restored tidal habitat CZ: 11	Extent: 0 CZ: Not applicable.
Riparian brush rabbit	Extent: 0 CZ: Not applicable.	Extent: 100 CZ: 7

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Covered Species	Habitat Preservation Target by Conservation Zone (CZ) (acres)	Habitat Restoration Target by Conservation Zone (CZ) (acres)
Townsend's western big-eared bat		
<i>Primary foraging habitat</i>	Extent: 0 CZ: Not applicable.	Extent: 5,000 CZ: Any CZ
<i>Roosting and primary foraging habitat</i>	Extent: 0 CZ: Not applicable.	Extent: 4,000 CZ: Any CZ
<i>Secondary foraging habitat</i>	To be determined.	To be determined.
Suisun shrew	Extent: Transitional upland associated with restored tidal habitat CZ: 11	Extent: Patches of habitat within a mosaic of 3,700-4,800 acres of restored brackish tidal marsh plain CZ: 11
Tricolored blackbird		
<i>Nesting habitat</i>	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 17,200-26,700 acres of restored tidal and non-tidal marsh CZ: 1, 2, 4, 5, 7, 11
<i>Foraging habitat: non- agriculture</i>	Extent: 8,000 CZ1: 3,000 CZ2: 2,000 CZ8: 1,000 CZs 1, 2, 8, 9, and/or 11: 2,000	Extent: 0 CZ: Not applicable.
<i>Foraging habitat: agriculture</i>	To be determined.	Extent: 0 CZ: Not applicable.
Suisun song sparrow	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 3,700-4,800 acres of restored brackish tidal marsh plain CZ: 11

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Covered Species	Habitat Preservation Target by Conservation Zone (CZ) (acres)	Habitat Restoration Target by Conservation Zone (CZ) (acres)
Yellow-breasted chat		
<i>Primary nesting and migratory habitat</i>	Extent: 0 CZ: Not applicable. RE: Not applicable.	Extent: 5,000 CZ: Any CZ
<i>Secondary nesting and migratory habitat</i>		
<i>Suisun marsh nest and migratory habitat</i>		
Western burrowing owl		
<i>High-value habitat</i>	Extent: 8,000 CZ1: $\geq 3,000$ CZ7: $\geq 1,000$ CZ2: $\geq 2,000$ CZ 9, 11: remainder to be protected	Extent: 0 CZ: Not applicable.
<i>Moderate-value habitat</i>	To be determined.	Extent: 0 CZ: Not applicable.
<i>Low-value habitat</i>		
Greater sandhill crane		
<i>Primary winter use area</i>	To be determined.	Extent: 0 CZ: Not applicable.
<i>Secondary winter use area</i>	To be determined.	Extent: 0 CZ: Not applicable.
California black rail	Extent: Transitional upland associated with restored tidal habitat CZ: 1, 3, 5, 6, 7, 11, 2	Extent: Patches of habitat within a mosaic of 17,000-26,500 restored tidal marsh plain CZ: 1, 3, 5, 6, 7, 11, 2
California clapper rail	Extent: Transitional upland associated with restored tidal habitat CZ: 11	Extent: Patches of habitat within a mosaic of 3,700-4,800 acres of restored brackish tidal marsh plain CZ: 11

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Covered Species	Habitat Preservation Target by Conservation Zone (CZ) (acres)	Habitat Restoration Target by Conservation Zone (CZ) (acres)
White-tailed kite		
<i>Breeding habitat</i>	Extent: 0 CZ: Not applicable.	Extent: 4,000 CZ: Any CZ
<i>Foraging habitat</i>	To be determined.	Extent: 0 CZ: Not applicable.
Swainson's hawk		
<i>Foraging habitat</i>	To be determined.	Extent: 0 CZ: Not applicable.
<i>Nesting habitat</i>	Extent: 0 CZ: Not applicable.	Extent: 4,000 CZ: Any CZ
Giant garter snake		
<i>Aquatic breeding, foraging and movement</i>	To be determined.	Extent: Patches of habitat within a mosaic of 29,000-43,400 acres of restored tidal habitat CZ: 1, 2, 4, 5, and 7
<i>Upland aestivation and movement</i>	To be determined.	Extent: 0 CZ: Not applicable.
Western pond turtle		
<i>Aquatic habitat</i>	Extent: 3 stock ponds CZ: 1 and 8	Extent: Patches of habitat within a mosaic of 48,800-58,300 restored tidal and non-tidal marsh CZ: 1, 2, 4, 5, 7, and 11
<i>Dispersal habitat</i>	To be determined.	Extent: 0 CZ: Not applicable.
<i>Upland nesting and overwintering</i>	Extent: 8,000 CZ1: 3,000 CZ2: 2,000 CZ8: 1,000 CZs 1, 2, 8, 9, and/or 11: 2,000	Extent: 5,000 CZ: Any CZ

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<b>Covered Species</b>	<b>Habitat Preservation Target by Conservation Zone (CZ) (acres)</b>	<b>Habitat Restoration Target by Conservation Zone (CZ) (acres)</b>
California red-legged frog		
<i>Aquatic habitat</i>	Extent: 1-2 stock ponds CZ: 8	Extent: 0 CZ: Not applicable.
<i>Upland cover and dispersal habitat</i>	Extent: 1,000 CZ: 8 and/or 9	Extent: 0 CZ: Not applicable.
<i>Dispersal habitat</i>	Extent: 2,000 CZ: 8 and/or 9	Extent: 0 CZ: Not applicable.
Western spadefoot toad		
<i>Aquatic breeding habitat</i>	Extent: 300 + 3 stock ponds CZ1: 200 + 1-2 ponds CZ2 : 50 CZ8 : 50 + 1-2 stock ponds	Extent: 200 CZ: Not applicable. RE: Not applicable.
<i>Terrestrial cover and aestivation habitat</i>	Extent: 6,000 CZ1: 3,000 CZ2: 2,000 CZ8: 1,000	Extent: 0 CZ: Not applicable.
California tiger salamander		
<i>Aquatic breeding habitat</i>	Extent: 300 + 3 stock ponds CZ1: 200 + 1-2 ponds CZ2 : 50 CZ8 : 50 + 1-2 stock ponds	Extent: 200 CZ: Not applicable.
<i>Terrestrial cover and aestivation habitat</i>	Extent: 6,000 CZ1: 3,000 CZ2: 2,000 CZ8: 1,000	Extent: 0 CZ: Not applicable.

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Covered Species	Habitat Preservation Target by Conservation Zone (CZ) (acres)	Habitat Restoration Target by Conservation Zone (CZ) (acres)
Valley elderberry longhorn beetle		
<i>Riparian vegetation</i>	Extent: 0 CZ: Not applicable.	Extent: 5,000 CZ: any CZ
<i>Non-riparian channels and grasslands</i>		
Vernal pool tadpole shrimp	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Conservancy fairy shrimp	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Longhorn fairy shrimp	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Vernal pool fairy shrimp	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Mid valley fairy shrimp	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Alkali milk-vetch	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Heartscale	Extent: 50 CZ: 1, 8, and/or 11	Extent: 0 CZ: Not applicable.
Brittlescale	Extent: 50 CZ: 1, 8, and/or 11	Extent: 0 CZ: Not applicable.

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<b>Covered Species</b>	<b>Habitat Preservation Target by Conservation Zone (CZ) (acres)</b>	<b>Habitat Restoration Target by Conservation Zone (CZ) (acres)</b>
San Joaquin spearscale	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Slough thistle	Extent: 0 CZ: Not applicable.	Extent: 1,000 CZ: 7
Suisun thistle	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 3,700-4,800 acres of restored brackish tidal marsh plain CZ: 11
Soft bird's-beak	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 3,700-4,800 acres of restored brackish tidal marsh plain CZ: 11
Delta button celery	Extent: 150 CZ: 8	Extent: 1,000 CZ: 7
Boggs lake hedge-hyssop	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 200 CZ: Not applicable.
Carquinez goldenbush	Extent: 200 acres CZ: 1 and/or 11	Extent: 0 CZ: Not applicable.
Delta tule pea	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 17,000-26,500 acres of restored tidal marsh plain CZ: 1, 2, 4, 5, 7, and 11
Legenere	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 0 CZ: Not applicable.

Covered Species	Habitat Preservation Target by Conservation Zone (CZ) (acres)	Habitat Restoration Target by Conservation Zone (CZ) (acres)
Heckard's peppergrass	Extent: 300 CZ1: 200 CZ2: 50 CZ8: 50	Extent: 0 CZ: Not applicable.
Mason's lilaeopsis	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 17,000-26,500 acres of restored tidal marsh plain CZ: 1, 3, 6, 7, 11
Delta mudwort	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 17,000-26,500 acres of restored tidal marsh plain CZ: 1, 3, 6, 7, 11
Suisun Marsh aster	Extent: 0 CZ: Not applicable.	Extent: Patches of habitat within a mosaic of 17,000-26,500 restored tidal marsh plain CZ: 1, 2, 4, 5, 7, and 11
Caper-fruited tropidocarpum	Extent: 200 CZ: 7, 8 and/or 9	Extent: 0 CZ: Not applicable.

**Proposed Conservation Zones**

*This map depicts the plan area divided into conservation zones. The purpose of these zones is to allow the identification conservation targets that geographically distribute covered species habitat conservation actions to achieve the highest conservation benefits while providing flexibility for conserved habitat to be located at various possible sites within a given zone.*

