

APPENDIX D: SPECIAL-STATUS SPECIES TABLE

TABLE D-1

**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
PLANTS				
<i>Agrostis hendersonii</i>	Henderson's bent grass	none/none/CNPS list 3.2	This species occurs in vernal pools and mesic areas of valley and foothill grassland in Calaveras, Merced, Shasta, and Tehama counties. It blooms from April to May.	No Potential. No vernal pools or other mesic areas in valley and foothill grassland are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch	none/none/CNPS list 1B.2	This milkvetch occurs in alkali playa, valley and foothill grassland, and vernal pools of the southern Sacramento Valley, northern San Joaquin Valley, and San Francisco Bay-Delta. It flowers from March to June.	No Potential. No alkali playa, valley and foothill grassland, or vernal pools are located within the planning area. Therefore, suitable habitat for this taxon does not occur within the planning area and it has no potential to occur within the planning area.
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale	none/none/CNPS list 1B.2	This annual saltbush occurs in chenopod scrub, valley and foothill grassland, and vernal pools (typically on alkaline soils and frequently in scalded areas). It is known from Alameda, Contra Costa, Butte, Fresno, Glenn, Kings, Kern, Madera, Merced,	No Potential. No chenopod scrub, valley and foothill grassland, or vernal pools are located within the planning area. Therefore, suitable habitat for this taxon does not occur within the planning area and it has no potential to occur within the planning area.

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			San Joaquin, Solano, Stanislaus, Tulare, and Yolo counties.	
<i>Atriplex minuscula</i>	lesser saltscale	none/none/CNPS list 1B.1	This annual saltbush grows in sandy alkaline areas in chenopod scrub, playas, and valley and foothill grassland. It blooms from May to October. It is known from only five locations in Butte, Fresno, Madera, Merced, and Tulare counties.	No Potential. No chenopod scrub, valley and foothill grassland, or playas are located within the planning area. Therefore, suitable habitat for this taxon does not occur within the planning area and it has no potential to occur within the planning area.
<i>Atriplex persistens</i>	vernal pool smallscale	none/none/CNPS list 1B.2	This annual saltbush occurs in alkaline vernal pools. It has been recorded from Glenn, Merced, Solano, Stanislaus, and Tulare counties. It blooms from July to October.	No Potential. No alkaline vernal pools are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Brasenia schreberi</i>	watershield	none/none/CNPS list 2B.3	This aquatic perennial rhizomatous herb occurs in freshwater marshes and swamps. It blooms from June to September and is widely distributed from Tulare County north to Siskiyou County.	No Potential. No freshwater marshes are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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<i>Calycadenia hooveri</i>	Hoover's calycadenia	none/none/CNPS list 1B.3	This is an annual herb that blooms from July to September. It occurs in valley and foothill grassland (particularly in rocky soils). It has been recorded in Calaveras, Madera, Merced, Mariposa, and Stanislaus counties.	No Potential. No valley and foothill grasslands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Castilleja campestris</i> <i>ssp. succulenta</i>	succulent owl's-clover	FT/SE/CNPS list 1B.2	This taxon is currently known from sites in eastern Merced, southeastern Stanislaus, Madera, San Joaquin and northern Fresno counties where it occurs on the margins of vernal pools, swales, and some seasonal wetlands (often on acidic soils). It blooms in May.	No Potential. No vernal pools, swales, or other seasonal wetlands are located within the planning area. Therefore, suitable habitat for this subspecies does not occur within the planning area and it has no potential to occur within the planning area.
<i>Clarkia rostrata</i>	beaked clarkia	FT/none/CNPS list 1B.3	The species is an annual that blooms from April to May and occurs in valley and foothill grassland and cismontane woodland. It has been recorded in Merced, Mariposa, Stanislaus, and Tuolumne counties.	No Potential. No valley and foothill grasslands or cismontane woodlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	none /none/CNPS list 2.2	This annual (parasitic) taxon is associated with freshwater wetlands and has been recorded in Butte, Merced, San Bernardino, and Sonoma counties, but not since 1948. It blooms from July to October.	No Potential. No freshwater wetlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Downingia pusilla</i>	dwarf downingia	none/none/CNPS list 2.2	This annual herb blooms from March to May and is known from Merced, Mariposa, Napa, Placer, Sacramento, Solano, Sonoma, Stanislaus, Tehama, and Yuba counties. It occurs in vernal pools and mesic grasslands.	No Potential. No vernal pools or mesic grasslands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Etriplex joaquiniana</i>	San Joaquin spearscale	none/none/CNPS list 1B.2	This annual saltbush occurs in chenopod scrub, valley and foothill grassland, and alkali meadows (typically in seasonal alkali wetlands or alkali sink scrub). It is found in the Sacramento Valley, northern San Joaquin Valley, San Francisco Bay-Delta, and central Coast Ranges. It blooms from April to September.	No Potential. No chenopod scrub, valley and foothill grassland, or alkali meadows are located within the planning area. Therefore, suitable habitat for this taxon does not occur within the planning area and it has no potential to occur within the planning area.

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<i>Euphorbia hooveri</i>	Hoover's spurge	FT/none/CNPS list 1B.2	An annual herb that occurs in association with large vernal pools. It has been recorded below 820 feet in elevation in Tulare, Merced, Stanislaus, Butte, Glenn, and Tehama counties. It blooms mostly during July, but flowering may persist as late as October if enough moisture is available.	No Potential. No vernal pools are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Eryngium racemosum</i>	Delta button-celery	none/SE/CNPS list 1B.1	This annual and perennial species occurs in wet riparian areas and freshwater wetlands (typically on seasonally inundated clay). It has been documented in the northern San Joaquin Valley (Merced to Calaveras counties) and in Contra Costa, Marin, and Sonoma counties. Blooming occurs during June to September.	No Potential. No freshwater wetlands or wet riparian areas are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Eryngium spinosepalum</i>	spiny-sepaed button-celery	none/none/CNPS list 1B.2	This perennial species occurs in wet valley and foothill grassland and vernal pools. Known occurrences have been found in the San Joaquin Valley (Kern to Stanislaus counties), Contra Costa County, and along the Central Coast	No Potential. No wet valley and foothill grasslands or vernal pools are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no

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			(Monterey and San Luis Obispo counties). Blooming occurs during April to May.	potential to occur within the planning area.
<i>Lagophylla dichotoma</i>	forked hare-leaf	none/none/CNPS list 1B.1	The species is an annual that blooms from April to September and occurs in valley and foothill grassland and cismontane woodland (often on clay). It has been recorded in Butte, Calaveras, Fresno, Merced, Monterey, San Benito and Stanislaus counties.	No Potential. No valley and foothill grasslands or cismontane woodlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Lasthenia glabrata</i> <i>ssp. coulteri</i>	Coulter's goldfields	none/none/CNPS list 1B.1	This annual taxon is associated with marshes and swamps (coastal salt), playas, and vernal pools. It blooms from February to June. It has been recorded in Colusa, Kern, Los Angeles, Merced, Orange, Riverside, Santa Barbara, San Bernardino, San Diego, San Luis Obispo, Tehama, Tulare, Ventura, and Yolo counties.	No Potential. No marshes and swamps (coastal salt), playas, or vernal pools are located within the planning area. Therefore, suitable habitat for this subspecies does not occur within the planning area and it has no potential to occur within the planning area.
<i>Lepidium latipes</i> var. <i>heckardii</i>	Heckard's pepper-grass	none/none/CNPS list 1B.2	This annual herb is associated with alkaline flats in valley and foothill grasslands. It blooms from April to May. It occurs in Glenn, Solano, and	No Potential. No alkaline flats in valley and foothill grasslands are located within the planning area. Therefore, suitable habitat for this species does not occur

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			Yolo counties.	within the planning area and it has no potential to occur within the planning area.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	none/none/CNPS list 1B.1	This species occurs on alkaline soils or in vernal pools in valley and foothill grassland and coastal scrub. It has been recorded in Merced, Alameda, and Monterey counties as well as southern coastal California (Los Angeles, San Bernardino, Orange, and San Diego counties). The species blooms from April to May.	No Potential. No alkaline soils or vernal pools in valley and foothill grassland or coastal scrub are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia	none/none/CNPS list 1B.2	The subspecies is an annual herb that occurs in vernal pools in valley and foothill grassland and cismontane woodland, but no further north than Merced County in the eastern San Joaquin Valley. It blooms from March to July and has been found in Fresno, Merced, Monterey, San Benito, and San Luis Obispo counties.	No Potential. No vernal pools in valley and foothill grasslands or cismontane woodlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Neostapfia colusana</i>	Colusa grass	FT/SE/CNPS list 1B.1	This grass occurs in vernal pools (typically larger or more persistent pools) and some manmade wetlands	No Potential. No vernal pools or manmade wetlands (e.g., stock ponds) in valley and foothill grasslands are located within the

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			(e.g., stock ponds) within valley and foothill grassland. It is distributed primarily along the eastern margin of the San Joaquin Valley in Stanislaus and Merced counties, but also occurs in Solano and Yolo counties. It flowers from May to July.	planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Orcuttia pilosa</i>	hairy orcutt grass	FE/SE/CNPS list 1B.1	This grass occurs in vernal pools (typically larger or more persistent pools) within valley and foothill grassland. It is distributed along the eastern margin of the Sacramento and San Joaquin valleys from Tehama County south to Stanislaus, Merced, and Madera counties. It flowers from May to September.	No Potential. No vernal pools or manmade wetlands (e.g., stock ponds) in valley and foothill grasslands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Orcuttia inaequalis</i>	San Joaquin Valley orcutt grass	FT/SE/CNPS list 1B.2	This grass occurs in vernal pools (typically larger or more persistent pools) within valley and foothill grassland. The remaining populations of this species occur mostly in the southeastern San Joaquin Valley (Fresno, Merced, and Madera counties). Historically, the species also occurred in Stanislaus County. It	No Potential. No vernal pools or manmade wetlands (e.g., stock ponds) in valley and foothill grasslands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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			flowers from April to September.	
<i>Phacelia ciliata</i> var. <i>opaca</i>	Merced phacelia	none/none/CNPS list 1B.2	This taxon occurs in valley and foothill grassland (typically on clay soils, sometimes on alkaline soils). It blooms from February to May and is known from fewer than 10 extant occurrences in Merced and Kings counties.	No Potential. No valley and foothill grasslands are located within the planning area. Therefore, suitable habitat for this taxon does not occur within the planning area and it has no potential to occur within the planning area.
<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	FE/SE/CNPS list 1B.1	The species occurs in cismontane woodland and valley and foothill grassland (almost always on shallow, well-drained, fine-textured soils on the north or northeast facing side of Mima mounds). It has been recorded in Fresno, Madera, Tulare, and Stanislaus counties. Blooming occurs during March to April.	No Potential. No cismontane woodlands or valley and foothill grasslands (particularly on shallow, well-drained, fine-textured soils on the north or northeast facing side of Mima mounds) are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Puccinellia simplex</i>	California alkali grass	none/none/CNPS list 1B.2	This annual herb occurs in alkaline, vernal mesic; sinks, flats, and lake margins in chenopod scrub, meadows and seeps, valley and foothill grassland, and vernal pools. It has been recorded in Alameda, Butte, Contra Costa, Colusa, Fresno, Glenn,	No Potential. No alkaline, vernal mesic sinks, flats, and lake margins in chenopod scrub, meadows and seeps, valley and foothill grasslands, or vernal pools are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and

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			King, Kern, Lake, Los Angeles, Madera, Merced, Napa, San Bernardino, Santa Clara, Santa Cruz, San Luis Obispo, Solano, Stanislaus, Tulare, and Yolo counties. It blooms from March to May.	it has no potential to occur within the planning area.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	none/none/CNPS list 1B.2	This perennial species occurs in shallow, standing, fresh water and slow-moving waterways (e.g., marshes, ponds, vernal pools, lakes, reservoirs, sloughs, ditches, unlined canals, streams, and rivers) at elevations below 2,000 feet. Though not found in Stanislaus County, occurrences have been documented from Shasta County to Tulare County on the valley floor and surrounding foothills. It blooms from late May to August.	Low Potential. No individuals of this species have been recorded within the planning area. However, it has been found in ditches and unlined canals elsewhere in the region (mostly east and south of Winton). Given that the planning area supports a large number of ditches and unlined canals, the species has some potential, albeit low, to occur within the planning area.
<i>Sidalcea keckii</i>	Keck's checkerbloom	FE/none/CNPS list 1B.1	This species is an annual that occurs on serpentine-derived clay soils in valley and foothill grassland and cismontane woodland. It blooms from April to June and has been recorded in Colusa, Fresno, Merced, Napa, Solano, Tulare, and Yolo counties, but is currently	No Potential. No valley and foothill grasslands or cismontane woodlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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			known from only Fresno and Tulare counties near Pine Flat Reservoir.	
<i>Tuctoria greenei</i>	Greene's tuctoria	FE/CR/CNPS list 1B.1	This grass occurs in the dry bottoms of vernal pools in valley and foothill grassland. It is known to occur in Butte, Glenn, Merced, Shasta, and Tehama counties. Historically, it also occurred in Fresno, Madera, Stanislaus, San Joaquin, and Tulare counties. No known occurrences are now extant in Stanislaus County. It flowers from May through July.	No Potential. No vernal pools in valley and foothill grasslands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
INVERTEBRATES				
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	FE/none/none	This species occurs in very large turbid vernal pools and playa pools underlain by clay substrates. There are relatively few occurrences of the species, but it is known from Tehama, Glenn, Solano, Stanislaus, and Merced counties with the only occurrence in Stanislaus County on the Mapes Ranch northeast of the intersection of Highway 132 and Mapes Ranch Road.	No Potential. No large turbid vernal pools or playa pools are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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<i>Branchinecta lynchii</i>	vernal pool fairy shrimp	FT/none/none	Occurs primarily in vernal pools (sandstone depression, grass swale, earth slump, or basalt-flow depression pools) in grassland and oak savannah of the Central Valley. However, the species also occurs at a few locations in the central Coast Ranges from Monterey County south to Santa Barbara County and in the South Coast Mountains in Riverside County.	No Potential. No vernal pools or other suitable seasonal wetlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Branchinecta mesovallensis</i>	midvalley fairy shrimp	none/SA/none	This species occurs in small vernal pools and intermound pools within valley and foothill grassland (i.e., the smallest and most ephemeral vernal pools). It has been recorded from the central portion of the Central Valley from Sacramento and Solano counties south to Madera and Fresno counties.	No Potential. No vernal pools or other suitable seasonal wetlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	FE/none/none	Inhabits clear to turbid vernal pools and swales, stock ponds, and other seasonal wetlands in the Sacramento Valley and northern San Joaquin Valley (from Shasta County south to Merced and Tulare counties). It has	No Potential. No vernal pools, other suitable seasonal wetlands, or stock ponds are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the

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			also been recorded in three pools at the San Francisco Bay National Wildlife Refuge in Alameda County.	planning area.
<i>Linderiella occidentalis</i>	California fairy shrimp	none/SA/none	Occurs primarily in vernal pools and other seasonal wetlands in grassland and oak savannah of the Central Valley. However, the species has also been recorded at scattered locations in the Coast Ranges from Mendocino County south to Ventura County.	No Potential. No vernal pools or other suitable seasonal wetlands are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	FT/none/none	The subspecies occurs at scattered locations in the Central Valley and adjacent foothills of the Sierra Nevada and Coast Ranges from Shasta to Fresno counties. The subspecies is entirely dependent upon its host plant (elderberry spp.), typically in riparian vegetation associations, but occasionally in single, isolated shrubs or stands of the plant.	Low Potential. No individuals of this subspecies have been recorded within the planning area. However, it has been found in small patches of riparian and other non-riparian habitats elsewhere in the region. Given that the planning area contains such habitats, the subspecies has some potential, albeit low, to occur within the planning area.
<i>Lytta molesta</i>	Molestan blister beetle	none/SA/none	Occurs primarily in scattered vernal pools and other seasonal wetlands in valley and foothill grassland and oak	No Potential. No vernal pools or other seasonal wetlands in valley and foothill grassland or oak savannah are located

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			savannah of the Central Valley (April to July). However, the species has also been recorded at scattered locations in the Coast Ranges from Mendocino County south to Ventura County.	within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
FISHES				
<i>Mylopharodon conocephalus</i>	hardhead	none/CSC/none	This species' distribution is limited to the Sacramento-San Joaquin River system and Russian River system. It inhabits deep, rocky and sandy pools of small to large rivers where spawning substrate includes sand, gravel, and decomposed granite. Spawning occurs as early as May and June in the valley but extends to August in the foothill regions of the upper San Joaquin River (e.g., Tuolumne River downstream of the La Grange Dam).	No Potential. No rivers are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Oncorhynchus mykiss irideus</i>	Steelhead - Central Valley DPS	FT/none/none	This distinct population segment (DPS) of steelhead includes all naturally spawned populations of steelhead (and their progeny) in the Sacramento and San Joaquin Rivers and their	No Potential. No rivers or other suitable waters for this DPS are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to

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			tributaries, excluding steelhead from San Francisco Bay and San Pablo Bays and their tributaries. Small runs typically occur on the Tuolumne River, while the DPS is rare in the Stanislaus River. Peak spawning occurs from December through April in small streams and tributaries with cool, well-oxygenated water. Fry usually emerge from the gravel 4 to 6 weeks after hatching, but factors such as redd depth, gravel size, siltation, and temperature can speed or retard this time. The newly emerged fry move to the shallow, protected areas associated with the stream margin (mainly in riffles), but they can use a variety of other habitat types.	occur within the planning area.
AMPHIBIANS				
<i>Ambystoma californiense</i>	California tiger salamander	FT/ST/none	Found in annual grassland, oak savannah, and coastal sage scrub adjacent to vernal pools, stock ponds, and ponded reaches of ephemeral streams (aquatic breeding sites). The species is distributed in the Central	No Potential. No annual grassland, oak savannah, or coastal sage scrub adjacent to vernal pools, stock ponds, or ponded reaches of ephemeral streams are located within the planning area. Therefore, suitable habitat for this species does not

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			Valley from Glenn County to Kings County, but also occurs in Sonoma County and Alameda and Contra Costa counties south through the interior valleys of the Coast Ranges.	occur within the planning area and it has no potential to occur within the planning area.
<i>Spea hammondi</i>	western spadefoot	none/CSC/none	Found in dry habitats (e.g., annual grassland, oak savannah and woodland, and coastal sage scrub) adjacent to vernal pools, stock ponds, and overflow channels of low-gradient drainages within the Central Valley and coastal California from Monterey County to San Diego County.	No Potential. No annual grassland, oak savannah and woodland, or coastal sage scrub adjacent to vernal pools, stock ponds, or overflow channels of low-gradient drainages are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
REPTILES				
<i>Emys marmorata</i>	western pond turtle	none/CSC/none	The species historically occurred throughout most of the Pacific-slope drainages in California (below approximately 4,000 feet). The species now occurs at scattered locations throughout its former range (primarily in the central Sierra Nevada foothills, Central Valley, San Francisco Bay	Low Potential. No individuals of this species have been recorded within the planning area. However, it has been found in canals, agricultural sumps, and other man-made wetlands elsewhere in the region. Given that the planning area contains such habitats, the subspecies has some potential, albeit low, to occur within

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
			area, and north-central coast and Coast Ranges. It occurs in and adjacent to ponds, reservoirs, or other slow-moving perennial aquatic habitats (e.g., sloughs, streams, and rivers).	the planning area.
<i>Anniella pulchra</i>	northern California legless lizard	none/CSC/none	This species complex occurs as a fossorial species in sand, sandy loam, or leaf-mold substrates in the San Joaquin Valley and coastal California from Contra Costa County south to San Diego County. It can be found in a variety of habitats that include coastal beach, chaparral, pine-oak woodland, and riparian habitats. Soil moisture is essential. It appears to be active mostly during the morning and evening, just beneath the surface of sunlight-warmed substrate. It may also be active on the surface at night when substrate temperatures remain warm for extended intervals. It should be noted that recent mitochondrial and nuclear DNA work has resulted in the species being split into five distinct species with the local species (<i>A. pulchra</i>) occurring from the southern edge of the San Joaquin River in	No Potential. No coastal beach, chaparral, pine-oak woodland, or riparian habitats with sand, sandy loam, or leaf-mold substrates are located within the planning area. Furthermore, agriculture in the area has fragmented the planning area from potentially suitable habitat elsewhere in the region. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
			northern Contra Costa County south to Ventura County, south of which there is a wide area where the species of <i>Anniella</i> is or are unknown. It also occurs in scattered locations in the San Joaquin Valley, along the southern Sierra Nevada mountains, and on the desert side of the Tehachapi Mountains and part of the San Gabriel Mountains.	
<i>Phrynosoma blainvillii</i>	coast horned lizard	none/CSC/none	Found at scattered locations throughout coastal California from the San Francisco Bay area to Ventura and northern Los Angeles counties. Also occurs along the Sierra Nevada foothills in the Sacramento Valley and throughout the San Joaquin Valley. Requires open natural vegetation communities for basking, loose soils for burial, and ants as a prey base.	No Potential. No open natural vegetation communities with suitable substrates are located within the planning area. Furthermore, agriculture in the area has fragmented the planning area from potentially suitable habitat elsewhere in the region. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Thamnophis gigas</i>	giant garter snake	FT/ST/none	Found in low gradient streams, marshes, and adjacent ricelands where there is abundant vegetative cover. Furthermore, the habitat is supported by perennial fresh water. The species is limited to the floor of the Central	No Potential. No suitable habitat for the species (i.e., low gradient streams, marshes, and canals) occurs within the planning area. In addition, there are no known extant occurrences from the vicinity of the planning area (i.e., the nearest known extant

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WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
			Valley where it occurs in fragmented populations.	population is at least 18 miles away). Therefore, the species is considered to have no potential to occur within the planning area.
BIRDS				
<i>Ardea alba</i>	great egret (nesting)	none/SA/none	This species is common throughout most of California where there are shallow estuaries, or freshwater or saltwater emergent wetlands. However, it is less common above the foothills in the mountains and in desert regions. Rookeries are typically active from March to as late as July and occur in the tops of secluded large snags or live trees. Rookeries are sometime shared with great blue heron or other large wading birds.	No Potential. There are no known nesting colonies of this species located within the planning area. In addition, suitable nesting habitat for this species (i.e., secluded large snags or large stands of live trees) does not occur within the planning area. So, it has no potential to occur within the planning area.
<i>Ardea herodias</i>	great blue heron (nesting)	none/SA/none	This species is common throughout most of California where there are shallow estuaries, or freshwater or saltwater emergent wetlands. However, it is less common along riverine and rocky coastal shores and	No Potential. There are no known nesting colonies of this species located within the planning area. In addition, suitable nesting habitat for this species (i.e., secluded large snags or large stands of live trees) does not occur within the planning area. So, it has

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
			above the foothills in the mountains. Rookeries are typically active from February to as late as July and occur in the tops of secluded large snags or live trees. Rookeries are sometime shared with great egret or other large wading birds.	no potential to occur within the planning area.
<i>Egretta thula</i>	Snowy egret (nesting)	none/SA/none	This species is widespread throughout most of California where there are shallow estuaries, freshwater or saltwater emergent wetlands, ponds, slow-moving rivers, irrigation ditches, or wet fields. However, it is less common above the foothills in the mountains and in desert regions. Rookeries are typically active from late March to as late as August and occur in dense marshes or low in secluded snags or live trees. Rookeries are sometime shared with the great blue heron or other large wading birds.	No Potential. There are no known nesting colonies of this species located within the planning area. In addition, suitable nesting habitat for this species (i.e., secluded large snags, stands of live trees, or dense freshwater marsh) does not occur within the planning area. So, it has no potential to occur within the planning area.
<i>Buteo regalis</i>	ferruginous hawk (wintering)	none/none/BCC	The species is a winter resident of the Modoc Plateau, Central Valley, and Coast Ranges. It forages in large, open tracts of grasslands, sparse scrubland,	No Potential. No individuals of this species have been recorded within the planning area. In addition, the species prefers to winter in large, open habitat

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
			and deserts.	(mostly grasslands) where there are abundant prey populations. Given that the planning area contains mostly urban and agricultural lands, the species is considered to have no potential to occur within the planning area.
<i>Buteo swainsoni</i>	Swainson's hawk (nesting)	none/ST/none	Occurs in California as a breeding resident in the Central Valley (primarily in the southern Sacramento and northern San Joaquin valleys), Klamath Basin, and Modoc Plateau. However, nesting pairs are also occasionally found in the Mojave Desert, Lanfair Valley (San Bernardino County), Antelope Valley (Los Angeles County), and eastern San Luis Obispo County. In the Central Valley the species typically nests in riparian woodland or forest stands, or oak savannah. Nest territories are located adjacent to suitable foraging habitat (e.g., grassland, suitable grain and row crop fields, alfalfa, and pastures).	Moderate Potential. No active nests of this species have been recorded within the planning area. However, the planning area contains numerous large trees that could be used as nest sites by the species. In addition, there are patches of weedy vegetation as well as suitable agricultural crops in the planning area that could support prey for the species. As such, the species is considered to have a moderate potential to nest within the planning area.

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
<i>Circus hudsonius</i>	northern harrier (nesting)	none/CSC/none	The species is found as a resident and wintering species throughout the lower elevation portions of California in annual grasslands, oak savannah, and valley and coastal marshes. Nesting in the Central Valley typically occurs in emergent wetlands; tall, dense grasslands; or grain fields.	No Potential. No individuals of this species have been recorded within the planning area. In addition, the species prefers to nest in large, open habitats (mostly grasslands) where there are abundant prey populations. Given that the planning area contains mostly urban and agricultural lands, the species is considered to have no potential to nest within the planning area.
<i>Haliaeetus leucocephalus</i>	bald eagle	none/SE/BCC	The species winters throughout much of California at lakes, reservoirs, rivers, and some rangelands and coastal wetlands. Nesting occurs mainly in mountain and foothill forests and woodlands near reservoirs, lakes, and rivers. Most current nest territories are in northern California, but the species also nests in scattered locations in the central and southern Sierra Nevada mountains and foothills, in several locations in the central Coast Ranges, inland southern California, and on Santa Catalina Island. In most of California, the nesting season lasts	No Potential. No individuals of this species have been recorded within the planning area. In addition, no suitable nesting or wintering habitat is found within the planning area given that the area contains mostly urban and agricultural lands. Therefore, the species is considered to have no potential to occur within the planning area.

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
WITHIN THE VICINITY OF THE WINTON PLANNING AREA, MERCED COUNTY**

Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
			from January through July or August.	
<i>Pandion haliaetus</i>	osprey	none/CSC/none	The species nests in northern California from the Cascade Ranges south through the Sierra Nevada, and along the coast south to Marin County. Nesting occurs from March to September with nests being sited at the top of large snags or dead-topped trees on cliffs, or on manmade structures (e.g., telephone or power poles).	No Potential. No individuals of this species have been recorded within the planning area. In addition, no suitable nesting or wintering habitat is found within the planning area given that the area contains provides no sources of open water with an established fish population. Therefore, the species is considered to have no potential to occur within the planning area.
<i>Falco columbarius</i>	merlin (wintering)	none/SA/none	This species winters in California from September to May. It occurs in a variety of low elevation, relative flat habitats that include wooded areas, coastlines, open grasslands, savannah, and the periphery of lakes. It is less often found in open desert. It typically requires dense stands of trees for cover and roosting. It is most often found where there are substantial populations of small birds (the primary prey item).	No Potential. No individuals of this species have been recorded within the planning area. In addition, no suitable wintering habitat is found within the planning area given that the area contains mostly urban and agricultural uses. In addition, much more suitable habitat occurs in the foothills to the east of the planning area. Therefore, the species is considered to have no potential to occur within the planning area.

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Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
<i>Charadrius montanus</i>	mountain plover (wintering)	none/CSC/BCC	The species occurs in California only as a wintering species where it is found on low, sparse grasslands or disked agricultural fields that are remote from urban development or disturbances. Mountain plovers are most frequently reported from two areas: (1) in the San Joaquin Valley south of Sacramento County; and (2) in the Imperial Valley.	No Potential. No individuals of this species have been recorded within the planning area. In addition, the species prefers to winter in large, open habitats (mostly grasslands or large, disked agricultural fields). The species is also relatively intolerant of human activities. Therefore, the planning area, which contains mostly urban and agricultural lands, is considered to have no potential to be occupied by the species.
<i>Athene cunicularia</i>	burrowing owl (burrow sites)	none/CSC/none	The species is found throughout the Central Valley, in the San Francisco Bay Area, at scattered locations along the coast, and in portions of the desert regions. It is a year-round resident in annual and perennial grasslands or other vegetation communities that support sparse or non-existent tree or shrub canopies.	Low Potential. No individuals of this species have been recorded within the planning area. However, the species has been found on the edges of agricultural fields where disking does not occur, on small in-fill lots on the edge of urban development, and along canal levees. It is also relatively urban tolerant. Therefore, it is considered to have a low potential to occur in the planning area.
<i>Picoides nuttallii</i>	Nuttall's woodpecker	none/SA/none	The species occurs as a resident of low-elevation riparian deciduous and oak habitats (cismontane woodland)	Low Potential. No individuals of this species have been recorded within the planning area. However, the species often

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Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
	(nesting)		throughout much of California apart from the deserts, high Sierra Nevada, and redwood belt.	occurs in urban areas with mature trees (particularly oaks). It is also relatively urban tolerant. Therefore, it is considered to have some potential, albeit low, to occur in the planning area.
<i>Pica nuttalli</i>	yellow-billed magpie (nesting and communal roosts)	none/SA/none	Found as resident and wintering species throughout the lower elevation portions of California in grasslands, saltbush scrub, chaparral, oak savannah, and other open woodland types near water (generally where there are large trees with dense cover for nesting and roosts).	Low Potential. There are a small number of records for this species within the planning area. In addition, the species often occurs in urban areas with mature trees (particularly oaks). It is also relatively urban tolerant. Therefore, it is considered to have some potential, albeit low, to occur in the planning area.
<i>Baeolophus inornatus</i>	oak titmouse (nesting)	none/SA/none	Occurs as a common resident throughout much of California other than the deserts, high Sierra Nevada, and redwood belt. It is generally found in cismontane woodland (particularly oak or riparian woodlands) where it nests in the cavities created by woodpeckers.	Low Potential. No individuals of this species have been recorded within the planning area. However, the species often occurs in urban areas with mature trees (particularly oaks). It is also relatively urban tolerant. Therefore, it is considered to have some potential, albeit low, to occur in the planning area.

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
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Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
<i>Vireo bellii pusillus</i>	least Bell's vireo (nesting)	FE/SE/none	Found as a summer resident (late March to late August) in coastal valleys from Monterey County south through coastal southern California to San Diego County. Also occurs at scattered locations along the western border of the deserts. There have been recent records from the Sacramento Valley given its recovery in southern California. It typically nests in dense willow riparian communities but is also occasionally found in live oak stands adjacent to drainages.	No Potential. No individuals of this species have been recorded within the planning area. In addition, no suitable nesting habitat is found within the planning area (i.e., dense riparian willow stands). Lastly, the subspecies had been extirpated from the Central Valley and is just now being found as a rare and occasional nesting species. Therefore, the species is considered to have no potential to occur within the planning area.
<i>Lanius ludovicianus</i>	loggerhead shrike (nesting)	none/CSC/none	Found as a resident and wintering species throughout the lower elevation portions of California in grasslands, saltbush scrub, chaparral, oak savannah, and other open woodland types (generally where there are trees with dense cover for nesting).	Low Potential. No individuals of this species have been recorded within the planning area. However, the species has been found nesting on the edge of agricultural fields where disking does not occur and on small in-fill lots on the edge of urban development where there are dense shrubs or trees adjacent to open habitats for hunting. Given the presence of conditions, as describe above in the planning area, it is considered to have a low potential to occur in the planning area.

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**SPECIAL-STATUS SPECIES RECORDED OR POTENTIALLY OCCURRING
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Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
<i>Icteria virens</i>	yellow-breasted chat (nesting)	none/CSC/none	This species is found as a summer resident mostly in low to mid-elevation coastal, valley, foothill, and desert riparian habitats (up to 4,800 feet in foothill riparian and 6,500 feet east of the Sierra Nevada). Nesting typically occurs in dense vegetation adjacent to streams.	No Potential. No individuals of this species have been recorded within the planning area. In addition, no suitable nesting habitat occurs within the planning area (i.e., dense willow stands sometimes mixed with blackberry stands). Therefore, the species is considered to have no potential to occur within the planning area.
<i>Agelaius tricolor</i>	tricolored blackbird (nesting)	none/ST/none	Found as a resident species in annual grassland, oak savannah, and freshwater marsh within the Central Valley and coastal California from Sonoma to San Diego County. Nesting typically occurs in emergent freshwater marsh, but also occurs in dense stands of willow, blackberry, thistle, nettles, or grasses. Grasslands or rangeland providing abundant food (e.g., butterfly larvae or grasshoppers) often are within at least three miles of colonies, but the species can forage up to eight miles from their nesting colony.	No Potential. No individuals of this colonial species have been recorded within the planning area. In addition, no suitable nesting habitat occurs within the planning area (e.g., dense riparian willow stands or stands of spiny, prickly vegetation such as milk thistle, stinging nettle, blackberry, etc.). Furthermore, the species requires large, open habitats with abundant prey species. Given the lack of necessary habitat components for the species in the planning area, it is considered to have no potential to occur within the planning area.

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MAMMALS				
<i>Perognathus inornatus</i>	San Joaquin pocket mouse	none/SA/none	This taxon typically occurs on fine-textured sandy soils on ridge tops and hillsides supporting grasslands or blue oak savannah. The species <i>P. inornatus</i> is distributed within the Central Valley from Yolo and Sutter counties to the southern-most portions of the San Joaquin Valley and within and near the dry interior valleys of the Coast Range (e.g., Salinas and Cuyama valleys, and Carrizo Plain).	No Potential. No soils on ridge tops and hillsides supporting grasslands or blue oak savannah are located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.
<i>Dipodomys heermanni dixonii</i>	Merced kangaroo rat	none/SA/none	The subspecies has been documented in valley and foothill grassland and oak savannah (typically on sandy soils in areas denuded of vegetation) in eastern Merced County, southeastern Stanislaus County, and southwestern Mariposa County.	No Potential. No open, sandy soils in valley and foothill grassland or oak savannah are located within the planning area (almost all the existing land cover is in urban and agricultural uses). Therefore, suitable habitat for this species does not occur within the planning area and the species has no potential to occur within the planning area.

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Genus/Species	Common Name	Status Federal/CA/Other	Habitats and Seasonal Distribution in California	Likelihood of Occurrence within Planning Area
<i>Antrozous pallidus</i>	pallid bat	none/CSC/none	The species is found as a resident in all desert, grassland, shrub, woodland, and forest habitats from sea level to approximately 6,000 feet. Day roosts are typically found in buildings, bridges, rocky outcrops, mines, caves, and trees. Night roosts are generally provided by bridges, mines, and caves.	Low Potential. No roosts for this species have been recorded within the planning area. However, suitable day or night roosts (even suitable buildings) occur within the planning area. Therefore, the species cannot be discounted from occurring within the planning area and is considered to have some potential, albeit low, to occur in the area.
<i>Eumops perotis californicus</i>	western mastiff bat	none/CSC/none	The taxon is found as an uncommon resident in southern California, but also occurs along the lower west slope of the Sierra Nevada and in the interior Coast Ranges as far north as the Tumey Hills (eastern San Benito County). Roosts are typically found in crevices in cliff faces, cracks in boulders, or occasionally in buildings (particularly where the roost allows for a large vertical drop).	No Potential. No roosts for this subspecies have been recorded within the planning area. In addition, suitable day and night roosts typically occur in rocky cliffs or similar habitat where there is a clear vertical drop to become airborne. Such habitat does not occur within the planning area and the subspecies is therefore considered to have no potential to occur in the planning area.
<i>Lasiurus blossevillii</i>	western red bat	none/CSC/none	The species occurs at scattered locations throughout the lowland portions of California west of the Sierra Nevada crest and desert regions	Low Potential. No roosts for this species have been recorded within the planning area. However, suitable day or night roosts (large trees with undisturbed ground-level

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			(typically in riparian forest or orchards). It is less abundant at low and middle elevations in coniferous forest. Roosting sites are found in tree or shrub foliage between 2 and 40 feet above ground (usually in large walnuts, cottonwoods, sycamores, or willows).	vegetation) occur within the planning area. Therefore, the species cannot be discounted from occurring within the planning area and is considered to have some potential, albeit low, to occur in the area.
<i>Lasiurus cinereus</i>	hoary bat	none/SA/none	The species occurs in a wide variety of habitats throughout California from sea level to the high mountains. It is typically found in small numbers roosting in the dense foliage of medium to large trees near water in forest or woodland habitats.	Low Potential. No roosts for this species have been recorded within the planning area. However, suitable day or night roosts (particularly during migration) occur within the planning area. Therefore, the species cannot be discounted from occurring within the planning area and is considered to have some potential, albeit low, to occur in the area.
<i>Myotis yumanensis</i>	Yuma myotis	none/SA/none	Found in a variety of habitats with nearby sources of water over which the species forages. Day roosts are found in caves, mines, buildings, or crevices. Night roosts are typically associated with bridges, buildings, and other man-made structures.	Low Potential. No roosts for this species have been recorded within the planning area. However, suitable day or night roosts (e.g., suitable buildings) occur within the planning area. Therefore, the species cannot be discounted from occurring within the planning area and is considered to have some potential, albeit low, to occur in the area.

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<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	FE/ST/none	The taxon is found in the San Joaquin Valley from Contra Costa County south to Kern County. It is also found in the dry interior valleys of the Coast Ranges (e.g., Salinas and Santa Clara valleys). It occurs in open, sparsely vegetated areas of low relief (typically in native or non-native grassland or alkali sink scrub).	Low Potential. There are a few historic occurrences of the taxon from the area surrounding Winton, but individuals found in this area are generally considered to be transients when found to the far north on the east side of the San Joaquin Valley. Furthermore, most of the planning area consists of unsuitable urban and agricultural uses. Nonetheless, the taxon cannot be completely discounted and is therefore considered to have a low potential to occur within the planning area.
<i>Taxidea taxus</i>	American badger	none/CSC/none	This species is found as a resident species at scattered localities throughout California (except in the coastal redwood region). It generally occurs in extensive, open habitats in the vicinity of abundant rodent populations.	No Potential. No suitable habitat for the species (i.e., large open areas supporting grasslands or blue oak savannah) is located within the planning area. Therefore, suitable habitat for this species does not occur within the planning area and it has no potential to occur within the planning area.

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<p>FEDERAL</p> <p>FE Federally listed as Endangered FT Federally listed as Threatened FPE Federally proposed as Endangered FPT Federally proposed as Threatened FC Federal Candidate Species (former Category 1 candidates) BCC U.S. Fish and Wildlife Service designated "Birds of Conservation Concern" 2008</p>				
<p>STATE</p> <p>SE State listed as Endangered ST State listed as Threatened SR State listed as Rare CSE State Designated as Candidate for Listing as Endangered CFP California Department of Fish and Wildlife designated "Fully Protected" CSC California Department of Fish and Wildlife designated "Species of Special Concern" SA California Department of Fish and Wildlife designated "Special Animal"</p>				
<p>OTHER</p> <p>CNPS List 1A Plants presumed extinct in California CNPS List 1B Plants that are rare, threatened, or endangered in California and elsewhere CNPS List 2 Plants that are rare, threatened, or endangered in California, but are more common elsewhere CNPS List 3 Plants about which we need more information – a review list CNPS List 4 Plants of limited distribution – a watch list</p> <p>CNPS Threat Rank 0.1 Seriously threatened in California (high degree/immediacy of threat) CNPS Threat Rank 0.2 Fairly threatened in California (moderate degree/immediacy of threat) CNPS Threat Rank 0.3 Not very threatened in California (low degree/immediacy of threats or no current threats known)</p>				

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