BIOLOGICAL RESOURCES ASSESSMENT FOR THE

±3-ACRE NORWOOD AVENUE TOWNHOMES STUDY AREA

SACRAMENTO COUNTY, CALIFORNIA

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Biological Resources Assessment for the ±3-Acre Norwood Avenue Townhomes Study Area

INTRODUCTION

Project Location
Salix Consulting, Inc. (Salix) has prepared a Biological Resources Assessment for the ±3-acre Norwood Avenue Townhomes study area located at 4790 Norwood Avenue at the intersection of Norwood Avenue and Main Avenue, in unincorporated Sacramento County, California. The approximate coordinates for the center of the property are 38°39’14.77” N and 121° 27’23.10” W. It is situated within the Del Paso Land Grant, Civil Colonies, which was not part of the Township/Range system. It is located in the Rio Linda 7.5-minute USGS topographic quadrangle (Figure 1).

Project Setting
The site is situated in the Sacramento Valley at an elevation of approximately 40 feet. The study area is bounded on the north and west by residential subdivisions, and on the east and south by residential development. The study area is undeveloped and is regularly disked (Figure 2).

Objectives of Biological Resources Assessment
- Identify and describe the biological communities present in the study area;
- Evaluate and identify if any sensitive habitats or special-status plant and animal species exist or could exist on the site;
- Conduct an analysis to determine if aquatic resources are present; and
- Provide conclusions and recommendations.

METHODS

Background Review
For this analysis, Salix biologists reviewed aerial photographs, USGS maps, and the proposed tentative parcel map received from the project representatives.

Special-Status Species Reports
To assist with the determination of which special-status species could occur within or near the study area Salix biologists queried the California Natural Diversity Data Base (CDFW 2021), the California Native Plant Society Inventory (CNPS 2021), and the USFWS Information for Planning and Consultation (USFWS IPaC 2021) database for reported occurrences of special-status fish, wildlife, and plant species in the region surrounding the study area. The seven-quadrangle search area included the Rio Linda, Pleasant Grove, Roseville, Taylor Monument, Citrus Heights, Sacramento East, and Sacramento West USGS quadrangles. In addition, Salix biologists reviewed the
Figure 1
SITE AND VICINITY MAP
Norwood Avenue Townhomes
Sacramento County, CA

Source Maps: USGS Topographic Map
Rio Lindal Quad 1:24,000
Del Paso Land Grant T9N R5E
California Department of Fish and Wildlife list of Species of Special Concern for the project vicinity.

For the purposes of this report, special-status species are those that fall into one or more of the following categories:

- Listed as endangered or threatened under the federal Endangered Species Act (or candidate species, or formally proposed for listing);
- Listed as endangered or threatened under the California Endangered Species Act (or proposed for listing);
- Designated as rare, protected, or fully protected pursuant to California Fish and Game Code;
- Designated a Species of Special Concern by the California Department of Fish and Wildlife, or
- Designated as Ranks 1, 2, or 3 on lists maintained by the California Native Plant Society.

Field Assessments

Salix Principal Biologist Jeff Glazner first observed the study area on December 4, 2020 and then conducted a field assessment on April 22, 2021, and on May 1, 2021, to characterize existing conditions, assess the potential for sensitive plant and wildlife resources to occur, and to determine if potential aquatic resources were present onsite, and if so, the likelihood of any feature on the site being under state or federal jurisdiction.

The site was assessed for the potential to support special-status species. Plants and animals observed were documented, and ground photos were taken. The site was also flown with an unmanned aerial vehicle (UAV) on May 1, 2021, to obtain an aerial basemap of the site as well as oblique photos of the property, which are used in this document.

Plants observed are listed in Appendix A. Plant names are according to the Jepson Flora Project (Jepson eFlora). Animals observed are described in the Wildlife Occurrence and Use section below. Standard manuals were used as needed to identify wildlife species observed.
SURVEY AND LITERATURE SEARCH RESULTS

Soils

One soil unit has been mapped within the study area– San Joaquin fine sandy loam, 0 to 3 percent slopes (NRCS 2021) (Figure 3):

San Joaquin fine sandy loam, 0 to 3 percent slopes

The San Joaquin component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on valleys, low terraces. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 35 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded or ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. Irrigated land capability classification is 3s. This soil does not meet hydric criteria.

Hydrology

The site occurs in the Lower Steelhead Creek HUC12 watershed (180201110303) part of the greater Lower American HUC8 watershed (18020111). 57 (1/3 mile south of the project site) through a series of roadside culverts and underground drainage systems. Magpie Creek flows south for less than a half-mile before entering a series of ditches along Interstate 80. These ditches flow a mile westerly before entering Steelhead Creek. Steelhead Creek flows 5 miles south until entering the Lower American River near Discovery Park and the Sacramento River.
Soil Components

- 211 - San Joaquin fine sandy loam, 0 to 3 percent slopes

Figure 3

Study Area (±3.13 acres)

SOIL COMPONENTS

Norwood Avenue Townhomes
Sacramento County, CA
Landcover Types

The study area is a ruderal annual grassland that is regularly disked, as summarized in Table 1 below and illustrated in Figure 4. Aerial and ground photos of the property are presented in Figures 5a through 5c.

<table>
<thead>
<tr>
<th>Biological Community</th>
<th>Approximate Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruderal Annual Grassland</td>
<td>3.1</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3.1</td>
</tr>
</tbody>
</table>

**Ruderal Annual Grassland**

The entire study area, except for the area around the woody vegetation in the northern area, is regularly disked and maintained. Species growing on the site are almost entirely weedy and annual. A grove of trees and shrubs occurs in the northern area and includes cottonwood (*Populus fremontii*), valley oak (*Quercus lobata*), northern California black walnut (*Juglans hindsii*), plum (*Prunus cerasifera*), fruitless mulberry (*Morus alba*), fig (*Ficus carica*), and a dense clump of giant reed (*Arundo donax*). The footprint of these species is relatively small, and they are included in the ruderal habitat.

The most common species on the site during the site evaluations were wild oat (*Avena fatua*) and ripgut grass (*Bromus diandrus*). Other common species observed were Italian rye grass (*Festuca perennis*), broad leaf filaree (*Erodium botrys*), vetch (*Vicia villosa*), yellow star thistle (*Centaurea solstitialis*), rose clover (*Trifolium hirtum*), soft chess (*Bromus hordeaceus*), foxtail barley (*Hordeum murinum*), Bermuda grass (*Cynodon dactylon*), and ruby sand-spurrey (*Spergularia rubra*).

Aquatic Resources

The study area contains remnant depressions that show evidence of prolonged saturation. Four small basins have been identified that occur on distinctly different soils characterized as “dense clay” from visual observation. It is our presumption that this area of the site contains a clay inclusion that impedes percolation. The shallow basins behave as marginal wetlands as they support facultative grasses (Italian rye grass and Mediterranean barley) as well as an algal mat. A wetland delineation has been prepared under separate cover.
Habitat Components

Ruderal Annual Grassland (±3.13 acres)

Figure 4

HABITAT MAP

Norwood Townhomes
Sacramento County, CA

Study Area
(±3.13 acres)

Imagery: Baker Williams Engineering
Looking northwest over study area.  
*Photo Date 5-1-21.*

Looking northeast across northern half of study and cluster of trees/shrubs.  
Norwood and Main intersection shown in upper left.  
*Photo Date 5-1-21.*
Looking south along eastern fenceline.  
*Photo Date 4-22-21.*

Looking toward area of trees and shrubs in northern area of site.  
*Photo Date 4-22-21.*
Looking southwest across study area.  

Photo Date 12-4-20.

Looking southwest across study area.  

Photo Date 5-1-21.

Figure 5c
SITE PHOTOS
Norwood Avenue Townhomes
Sacramento County, CA
Wildlife Occurrence and Use

Common urban wildlife species utilize this property. Species observed include killdeer (*Charadrius vociferous*), rock dove (*Columba livia*), mourning dove (*Zenaida macroura*), western scrub-jay (*Aphelocoma californica*), European starling (*Sturnus vulgaris*), house finch (*Carpodacus mexicanus*), ground squirrel (*Otospermophilus beecheyi*), and black-tailed jackrabbit (*Lepus californicus*). Red-tailed hawk (*Buteo jamaicensis*), turkey vulture (*Cathartes aura*), and American crow (*Corvus brachyrhynchos*) were observed over the site. The sparse tree and shrub area provides limited habitat and shelter for wildlife in the urban setting. Large mammals such as coyote may pass through, but there are no denning opportunities. Most of the species that would utilize this area would be small mammals such as field mice and squirrels.

Special-Status Species

To determine potentially-occurring special-status species, the standard databases from the USFWS, CDFW (the CNDDB), and CNPS were queried and reviewed as described above. These searches provided a list of regionally-occurring special-status species and were used to determine which species have some potential to occur within or near the study area. Appendix B lists potentially-occurring special-status plants, and Appendix C lists potentially-occurring special-status animals compiled from the queries. The field survey and the best professional judgment of Salix biologists were used to further refine the tables in Appendices B and C. Additionally, plant species found on the CNPS List 4 are not considered further in the document. Figure 6a shows the approximate locations of reported occurrences of CNDDB special-status plants within a five-mile radius of the study area, and Figure 6b shows the same information for special-status animals.

Plants

Of the 10 potentially-occurring special-status plant species identified in the CNDDB query (Appendix B), five (5) were identified as occurring within or near a five-mile radius of the study area (Figure 6a), but none of these were determined to have any potential for occurring onsite due to the absence of suitable wet habitats (such as marshes or vernal pools) or suitable substrates (such as alkaline). These species are:

- Sanford’s arrowhead (*Sagittaria sanfordii*)
- Legenere (*Legenere limosa*)
- Dwarf downingia (*Downingia pusilla*)
- Bogg’s Lake hedge-hyssop (*Gratiola heterosepala*)
- Wooly rose-mallow (*Hibiscus lasiocarpos occidentalis*)

In summary, 10 special-status plants are known from the region surrounding the study area (Appendix B), and five of these plants are known from within a five-mile radius and are shown in Figure 6a. All of the plant species identified in Appendix B require habitats or substrates that do not occur within the study area. Therefore, all 10 were determined to have no potential for occurring onsite and were eliminated from further consideration.
CNDDB Special-Status Plant Species
- Downingia pusilla
- Gratiola heterosepala
- Hibiscus lasiocarpos var. occidentalis
- Legenere limosa
- Sagittaria sanfordii

Figure 6a
CNDDB OCCURRENCES MAP
Norwood Avenue Townhomes
Sacramento County, CA
CNDDDB Special-Status Animal Species

- Sacramento splittail
- Swainson's hawk
- bank swallow
- burrowing owl
- giant gartersnake
- least Bell's vireo
- valley elderberry longhorn beetle
- longfin smelt
- purple martin
- song sparrow ("Modesto" population)
- steelhead - Central Valley DPS
- tricolored blackbird
- white-tailed kite
- vernal pool fairy shrimp
- vernal pool tadpole shrimp
- western pond turtle
- western yellow-billed cuckoo
- Study Area

Figure 6b

CNDDB OCCURRENCES MAP
Norwood Avenue Townhomes
Sacramento County, CA
Animals

Of the 27 animal species identified from the CNDDB and USFWS queries (Appendix C), 17 were identified as occurring within or near the five-mile radius of the study area (Figure 6b). Of these, 16 species occurring within a 5-mile radius were determined to have no potential for occurring onsite due to the absence of suitable aquatic and/or nesting habitat or host plant. Three species appeared in the IPaC (USFWS) query results, but not in the CNDDB query results and not on Figure 6b, including:

- California tiger salamander,
- California red-legged frog, and
- Delta smelt.

None of these species has any potential to occur within the study area due to the absence of suitable habitat.

The 23 animal species from the CNDDB query with no likelihood to occur include:

- Vernal pool fairy shrimp (*Branchinecta lynchi*)
- Vernal pool tadpole shrimp (*Lepidurus packardi*)
- Valley elderberry longhorn beetle (VELB) (*Desmocerus californicus dimorphus*)
- Steelhead, Central Valley ESU (*Oncorhynchus mykiss irideus*)
- Chinook salmon - Central Valley spring-run ESU (*Oncorhynchus tshawytscha*)
- Longfin smelt (*Spirinichus thaleichthys*)
- Sacramento splittail (*Pogonichthys macrolepidotus*)
- Sacramento perch (*Archoplites interruptus*)
- Western spadefoot (*Spea hammondii*)
- Western pond turtle (*Actinemys marmorata*)
- Giant garter snake (*Thamnophis gigas*)
- White-tailed kite (*Elanus leucurus*)
- Swainson’s hawk (*Buteo swainsoni*)
- California black rail (*Laterallus jamaicensis coturniculus*)
- Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*)
- Least Bell’s vireo (*Vireo bellii pusillus*)
- Purple martin (*Progne subis*)
- Bank swallow (*Riparia riparia*)
- Grasshopper sparrow (*Ammodramus savannarum*)
- Song sparrow (Modesto population) (*Melospiza melodia*)
- Tricolored blackbird (*Agelaius tricolor*)
- American badger (*Taxidea taxus*)

The study area lacks perennial aquatic habitats such as streams and ponds that would support California red-legged frog, western spadefoot, California tiger salamander, western pond turtle, giant garter snake, steelhead, Chinook salmon, or any other fish species. In addition, the study area is located outside the range of the Delta smelt.

The study area does not contain any areas that would qualify as suitable habitat for vernal pool crustaceans (vernal pools or seasonal wetlands). In addition, no critical habitat for vernal pool crustaceans is mapped within or near the study area.

Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*) is a federal-threatened species that occurs in association with live elderberry shrubs. Valley elderberry longhorn beetle has no potential for occurring within the study area due to the absence of suitable habitat (elderberry shrubs).

As noted in Appendix C, no suitable nesting habitat occurs within the study area to support white-tailed kite, Swainson’s hawk, California black rail, western yellow-billed cuckoo, least Bell’s vireo, purple martin, bank swallow, grasshopper sparrow, song sparrow (Modesto population), or tricolored blackbird.

Of the 17 animal species identified by CNDDB as occurring within or near a five-mile radius of the study area (Figure 6b), one bird- burrowing owl – was determined to have some potential, although unlikely, for occurring onsite due to the presence of marginal nesting habitats (see Table 2 below). It is discussed further following the table.

No other special-status animal species were determined to have any potential to occur within the study area.

<table>
<thead>
<tr>
<th>Species</th>
<th>Status* Federal</th>
<th>State</th>
<th>Habitat</th>
<th>Potential for Occurrence Within Study Area**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burrowing owl</td>
<td></td>
<td>CSC</td>
<td>Found in annual grasslands. Nests in burrows dug by small mammals, primarily ground squirrels.</td>
<td>Unlikely. Study area regularly disked. No burrows observed during field survey.</td>
</tr>
</tbody>
</table>

*Status Codes:
- State CSC: California Species of Concern

**Definitions for the Potential to Occur:
- Unlikely: Some habitat may occur, but disturbance or other activity may restrict or eliminate the possibility of the species occurring. Habitat may be very marginal, or the study area maybe outside the range of the species.
**Burrowing Owl** (*Athene cunicularia*) is designated as a state species of concern. The burrowing owl occurs throughout most of western United States and northern Mexico. In California, burrowing owls occur in open habitats throughout most of the state. They are found in open, dry grasslands, agricultural and range lands, and desert habitats. In the Central Valley, they are associated with remaining grassland habitats, pasturelands, and edges of agricultural fields. They also occur in vacant lots within urbanizing areas. Historically nesting in colonies, due to limited nesting habitat availability, many of the more recent occurrences are individual nesting pairs or several loosely associated nesting pairs. The species typically occupies the burrows created by California ground squirrels (*Spermophilus beecheyi*). They also occupy artificial habitats, such as those created by rock piles and occasionally in open pipes and small culverts. They forage for small rodents and insects in grassland and agricultural habitats with low vegetative cover.

No burrowing owls or active burrows of the species were detected within the Study Area during the field survey. CNDDB (2021) reports the nearest occurrence of burrowing owls as one mile west of the study area, on the west bank of the Natomas East main drainage canal, just north of Del Paso Road, Sacramento on July 25, 2003. The burrow site was located next to a rusty manhole cover, 50-60 feet north of Del Paso Road. Eight individuals (adults and juveniles) were observed.

An evaluation of potential burrowing owl habitat in the study area during the field survey indicated that due to the regular disking that occurs on the site, there is relatively little ground squirrel activity on site. Thus, it is unlikely that burrowing owls would occur.
RECOMMENDATIONS

Potential Aquatic Resources

The study area contains features that may qualify as aquatic resources but would likely not be regulated by the U.S. Army Corps of Engineers (Navigable Waters Protection Rule). However, these features would be under jurisdiction of the state Regional Water Quality Control Board.

An Aquatic Resources Delineation has been prepared under separate cover and should be submitted to the U.S. Army Corps of Engineers with a request for an Approved Jurisdictional Determination. If the Corps determines the resources are jurisdictional and would be impacted by the proposed project, a Section 404 Clean Water Act permit will be required from the Corps of Engineers and a Section 401 Water Quality Certification will be required from the Regional Water Quality Control Board. If the Corps does not take jurisdiction, only a permit from the Regional Board would be required.

Streams, Pond, and Riparian Habitat

No streams, ponds or riparian habitat are present on the site. There are no habitats on the property that would fall under the jurisdiction of the California Department of Fish and Wildlife (CDFW).

Tree Conservation

A Tree Pruning or Tree Removal Permit is required by the County to prune or remove any public tree and certain private trees. Privately owned trees also require a tree permit in accordance with Zoning Code Regulations and the County's Tree Preservation and Protection Ordinance. The applicant should consult with the County to determine what, if any, provisions of the Tree Ordinance are applicable.

Special-Status Plants

The study area contains no suitable habitats for special-status plant species that may occur in the region, and none were detected during the field survey. No further studies are recommended.

Special-Status Wildlife

Burrowing Owl

It is unlikely that burrowing owl would occur on the site due to the regular diskng that takes place. However, a pre-construction burrowing-owl survey should be conducted no more than 30 days prior to ground-disturbing activity to definitively determine presence/absence of the species within and directly adjacent to proposed work areas. Pre-construction surveys should be conducted according to the California Burrowing Owl Consortium’s 1993 Burrowing Owl Survey Protocol and Mitigation Guidelines. If active burrows are found during the pre-construction
surveys, CDFW should be contacted to determine avoidance measures and mitigation responsibilities.

**Nesting Raptors and Migratory Birds**

The site contains a few small trees that are not likely to support nesting raptors. However, they could support other birds protected by the Migratory Bird Treaty Act. Take of any active raptor nest is prohibited under California Fish and Game Code sections 3503, 3503.5, and 3513. If tree removal or other ground disturbance takes place during the breeding/nesting season (February 1 through August 31), disturbance of nesting activities could occur. To avoid impacts to nesting birds, disturbance should occur outside of the typical nesting season. If disturbance occurs at any time during the nesting season, a pre-construction survey should be conducted by a qualified biologist within two weeks prior to initiation of proposed development activities. If active nests are found during the pre-construction survey, buffer zones will be established around any identified nests, and the nests will be monitored by a qualified biologist until the offspring have fledged. If the nesting bird is a bird of prey, consultation with the County and CDFW may be warranted.
REFERENCES


California Native Plant Society. 2021. Inventory of Rare and Endangered Plants. An online database maintained by the Native Plant Society.


Appendix A.
Plant Species Observed within the 4790 Norwood Avenue Study Area
## Appendix A
Norwood Townhomes Plants Observed - 12/4/20, 4/22 and 5/1/21

### Angiosperms - Dicots

#### Asteraceae (Compositae) - Sunflower Family

- *Achyrachaena mollis*: Blow-wives
- *Carduus pycnocephalus*: Italian thistle
- *Centaurea solstitialis*: Yellow starthistle
- *Centromadia fitchii*: Fitch's spikeweed
- *Chichorium intybus*: Chicory
- *Ditrichia graveolens*: Stinkwort
- *Erigeron canadensis*: Canadian horseweed
- *Helminthotheca echinoides*: Bristly ox-tongue
- *Holocarpha virgata subsp. virgata*: Virgate tarweed
- *Hypochaeris glabra*: Smooth cat's-ear
- *Lactuca serriola*: Prickly lettuce
- *Leontodon saxatilis*: Long-beaked hawkbit
- *Matricaria discoidea*: Pineapple-weed
- *Sonchus oleraceus*: Common sow-thistle

#### Boraginaceae - Borage Family

- *Amsinckia menziesii*: Rancher's fireweed

#### Brassicaceae (Cruciferae) - Mustard Family

- *Brassica nigra*: Black mustard
- *Hirschfeldia incana*: Short-podded mustard
- *Raphanus sativus*: Wild radish
- *Sinapis alba*: White mustard

#### Caryophyllaceae - Pink Family

- *Spergularia rubra*: Ruby sand-spurrey
- *Stellaria media*: Common chickweed

#### Chenopodiaceae - Goosefoot Family

- *Chenopodium album*: White pigweed

#### Convolvulaceae - Morning-Glory Family

- *Convolvulus arvensis*: Bindweed

#### Euphorbiaceae - Spurge Family

- *Croton setiger*: Turkey mullein

#### Fabaceae (Leguminosae) - Legume Family

- *Acmispon americanus*: Spanish lotus
- *Lupinus bicolor*: Miniature lupine
- *Medicago polymorpha*: California burclover
- *Trifolium hirtum*: Rose clover
- *Vicia sativa*: Common vetch
- *Vicia villosa*: Winter vetch

#### Fagaceae - Oak Family

- *Quercus lobata*: Valley oak

* Indicates a non-native species
**Geraniaceae - Geranium Family**
- *Erodium botrys* Broad-leaf filaree
- *Erodium cicutarium* Red-stem filaree
- *Geranium molle* Dove's-foot geranium

**Juglandaceae - Walnut Family**
- *Juglans hindsii* Northern California black walnut

**Martyniaceae - Unicorn-Plant Family**
- *Proboscidea louisianica subsp. louisianica* Common unicorn plant

**Moraceae - Mulberry Family**
- *Ficus carica* Common fig
- *Morus alba* White mulberry

**Oleaceae - Olive Family**
- *Olea europaea* Olive

**Onagraceae - Evening Primrose Family**
- *Epilobium brachycarpum* Summer cottonweed

**Plantaginaceae - Plantain Family**
- *Plantago lanceolata* English plantain

**Polygonaceae - Buckwheat Family**
- *Polygonum aviculare* Common knotweed
- *Rumex crispus* Curly dock

**Rosaceae - Rose Family**
- *Prunus cerasifera* Cherry plum

**Salicaceae - Willow Family**
- *Populus fremontii* Fremont cottonwood

**Angiosperms - Monocots**

**Poaceae (Gramineae) - Grass Family**
- *Aira caryophyllea* Silver European hairgrass
- *Arundo donax* Giant reed
- *Avena fatua* Wild oat
- *Bromus diandrus* Ripgut grass
- *Bromus hordeaceus* Soft chess
- *Bromus madritensis* Foxtail brome
- *Cynodon dactylon* Bermudagrass
- *Elymus caput-medusae* Medusahead
- *Festuca myuros* Rattail sixweeks grass
- *Festuca perennis* Italian ryegrass
- *Hordeum marinum subsp. gussoneanum* Mediterranean barley
- *Hordeum murinum* Wall barley
- *Poa annua* Annual bluegrass
- *Sorghum halepense* Johnsongrass

**Themidaceae - Brodiaea Family**
- *Triteleia hyacinthina* White triteleia

* Indicates a non-native species
Appendix B.
Potentially-Occurring Special-Status Plants in the Region of the 4790 Norwood Avenue Study Area
## Appendix B

### Norwood Avenue - Potentially-occurring Special-status Plants

<table>
<thead>
<tr>
<th>Family</th>
<th>Common Name</th>
<th>Status*</th>
<th>Flowering Period</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alismataceae</strong></td>
<td>Sagittaria sanfordii</td>
<td>Fed:</td>
<td>May-October</td>
<td>Marshes, shallow freshwater.</td>
<td>None. No suitable wet habitat present.</td>
</tr>
<tr>
<td></td>
<td>Sanford's arrowhead</td>
<td>State:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td>Rank 1B.2</td>
</tr>
<tr>
<td><strong>Asteraceae (Compositae)</strong></td>
<td>Balsamorhiza macrolepis</td>
<td>Fed:</td>
<td>March-June</td>
<td>Cismontane woodland; valley and foothill grassland; [sometimes serpentinite].</td>
<td>None. No suitable habitat present. Site regularly disked.</td>
</tr>
<tr>
<td></td>
<td>Big-scale balsam-root</td>
<td>State:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td>Rank 1B.2</td>
</tr>
<tr>
<td>****</td>
<td>Symphyotrichum lentum</td>
<td>Fed:</td>
<td>August-November</td>
<td>Marshes and swamps (brackish and fresh water)</td>
<td>None. No suitable wet habitat present.</td>
</tr>
<tr>
<td></td>
<td>Suisun Marsh aster</td>
<td>State:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td>Rank 1B.2</td>
</tr>
<tr>
<td><strong>Campanulaceae</strong></td>
<td>Downingia pusilla</td>
<td>Fed:</td>
<td>March-May</td>
<td>Vernal pools and seasonal wetlands.</td>
<td>None. No suitable habitat present. No vernal pools or seasonal wetlands.</td>
</tr>
<tr>
<td></td>
<td>Dwarf downingia</td>
<td>State:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td>Rank 2B.2</td>
</tr>
<tr>
<td>****</td>
<td>Legenere limosa</td>
<td>Fed:</td>
<td>April-June</td>
<td>Vernal pools and seasonal wetlands.</td>
<td>None. No suitable habitat present. No vernal pools or seasonal wetlands.</td>
</tr>
<tr>
<td></td>
<td>Legenere</td>
<td>State:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td>Rank 1B.1</td>
</tr>
<tr>
<td><strong>Fabaceae (Leguminosae)</strong></td>
<td>Astragalus tener ferrisiae</td>
<td>Fed:</td>
<td>April-May</td>
<td>Meadows (vernally mesic); valley and foothill grassland (subalkaline flats).</td>
<td>None. No suitable wet habitat present.</td>
</tr>
<tr>
<td></td>
<td>Ferris' milkvetch</td>
<td>State:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td>Rank 1B.1</td>
</tr>
</tbody>
</table>
## Appendix B

### Norwood Avenue - Potentially-occurring Special-status Plants

<table>
<thead>
<tr>
<th>Family</th>
<th>Common Name</th>
<th>Status*</th>
<th>Flowering Period</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red Bluff dwarf rush</td>
<td>State: -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Malvaceae</td>
<td><em>Hibiscus lasiocarpos occidentalis</em></td>
<td>Fed: -</td>
<td>June-September</td>
<td>Marshes and swamps (freshwater).</td>
<td>None. No suitable wet habitat present.</td>
</tr>
<tr>
<td></td>
<td>Wooly rose-mallow</td>
<td>State: -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orobancheace</td>
<td><em>Chloropyron mollis hispidum</em></td>
<td>Fed: -</td>
<td>June-September</td>
<td>Meadows; playas; [alkaline]. 1-155m.</td>
<td>None. No suitable wet habitat present. No alkaline soil.</td>
</tr>
<tr>
<td></td>
<td>Hispid salty bird's-beak</td>
<td>State: -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plantaginaceae</td>
<td><em>Gratiola heterosepala</em></td>
<td>Fed: -</td>
<td>April-August</td>
<td>Vernal pools.</td>
<td>None. No suitable habitat present. No vernal pools or seasonal wetlands.</td>
</tr>
<tr>
<td></td>
<td>Bogg's Lake hedge-hyssop</td>
<td>State: CE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNPS:</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
### Appendix B

Norwood Avenue - Potentially-occurring Special-status Plants

<table>
<thead>
<tr>
<th>Family</th>
<th>Taxon</th>
<th>Common Name</th>
<th>Status*</th>
<th>Flowering Period</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Status**

- **Federal:**
  - FE - Federal Endangered
  - FT - Federal Threatened
  - FPE - Federal Proposed Endangered
  - FC - Federal Candidate
  - FSS - Forest Service Sensitive
  - FSW - Forest Service Watchlist

- **State:**
  - CE - California Endangered
  - CT - California Threatened
  - CR - California Rare
  - CSC - California Species of Special Concern

- **CNPS (California Native Plant Society - List, RED Code):**
  - Rank 1A - Extinct
  - Rank 1B - Plants rare, threatened, or endangered in California and elsewhere
  - Rank 2A - Plants extinct in California, but more common elsewhere
  - Rank 2B - Plants rare, threatened, or endangered in California, more common elsewhere
  - Rank 3 - Plants about which more information is needed, a review list
  - Rank 4 - Plants of limited distribution, a watch list

- **RED Code:**
  - 1 - Seriously endangered (>80% of occurrences threatened)
  - 2 - Fairly endangered (20 to 80% of occurrences threatened)
  - 3 - Not very endangered (<20% of occurrences threatened)

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Page 3 of 3
Appendix C.
Potentially-Occurring Special-Status Animals in the Region of the 4790 Norwood Avenue Study Area
# Appendix C

## Norwood Avenue - Potentially-occurring Special-status Animals

<table>
<thead>
<tr>
<th>Invertebrates</th>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vernal pool fairy shrimp</strong>&lt;br&gt;Branchinecta lynchii</td>
<td>Fed: FT</td>
<td>Vernal pools and other temporary bodies of water in southern and Central Valley of California. Most common in smaller grass or mud bottomed swales or basalt flow depression pools in unplowed grasslands.</td>
<td>None. No suitable habitat (vernal pools or similar) present.</td>
</tr>
<tr>
<td><strong>Vernal pool tadpole shrimp</strong>&lt;br&gt;Lepidurus packardi</td>
<td>Fed: FE</td>
<td>Found in vernal pools in the Central Valley of California and in the San Francisco Bay area. Inhabits vernal pools with clear to highly turbid water.</td>
<td>None. No suitable habitat (vernal pools or similar) present.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Insects</th>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Valley elderberry longhorn beetle</strong>&lt;br&gt;Desmocerus californicus dimorphus</td>
<td>Fed: FT</td>
<td>Requires host plant, elderberry (Sambucus nigra) for its life cycle. Shrubs must have live stem diameters at ground level of 1.0 inch or greater. Occurs in Great Valley and lower foothills.</td>
<td>None. No suitable habitat (host plant) present within study area.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fish</th>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Steelhead, Central Valley ESU</strong>&lt;br&gt;Oncorhynchus mykiss irideus</td>
<td>Fed: FT</td>
<td>Occurs below man-made impassable barriers in the Sacramento and San Joaquin rivers and tributaries. Adults migrate from ocean to natal freshwater streams to spawn. Yuba River has essentially the only remaining wild steelhead fishery in Central Valley.</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
</tr>
<tr>
<td><strong>Chinook salmon - Central Valley spring-run ES</strong>&lt;br&gt;Oncorhynchus tshawytscha</td>
<td>Fed: FT</td>
<td>Occurs in water bodies with cool, fast-flowing water and gravel suitable for spawning. Found primarily in 4 tributaries of the Sacramento River: Butte Creek, Big Chico Creek, Deer Creek, and Mill Creek.</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
</tr>
<tr>
<td><strong>Chinook salmon - Sacramento winter run ESU</strong>&lt;br&gt;Oncorhynchus tshawytscha</td>
<td>Fed: FE</td>
<td>One of 4 runs that spawns in upper Sacramento River and Battle Creek. They return to the upper Sacramento River in the winter but delay spawning until the spring and summer.</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
</tr>
<tr>
<td><strong>Delta smelt</strong>&lt;br&gt;Hypomesus transpacificus</td>
<td>Fed: FT</td>
<td>Endemic to the Sacramento-San Joaquin Delta in coastal and brackish waters. Occurs seasonally in Suisun and San Pablo bays. Spawning usually occurs in dead-end sloughs and shallow channels.</td>
<td>None. No suitable aquatic habitat (streams) present within study area. Study area outside range of species.</td>
</tr>
</tbody>
</table>
## Appendix C

### Norwood Avenue - Potentially-occurring Special-status Animals

<table>
<thead>
<tr>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fed: FC</td>
<td>Endemic to the lower reaches of the Sacramento-San Joaquin River system. Inhabits open waters in the Delta and Suisun Bay. After spawning, larvae are carried downstream to brackish nursery areas.</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
</tr>
<tr>
<td>State: CT</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
<td></td>
</tr>
<tr>
<td>Fed: -</td>
<td>Found in: (1) the Delta, (2) Suisun Bay, (3) Suisun Marsh, (4) Napa River, (5) Petaluma River, and (6) other parts of the Sacramento-San Joaquin Estuary. Requires flooded vegetation for spawning and rearing.</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
</tr>
<tr>
<td>State: CSC</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
<td></td>
</tr>
<tr>
<td>Fed: -</td>
<td>Historically found in slow-moving rivers, sloughs, and ponds in the Central Valley.</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
</tr>
<tr>
<td>State: CSC</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td>None. No suitable aquatic habitat (streams) present within study area.</td>
<td></td>
</tr>
</tbody>
</table>

### Amphibians

<table>
<thead>
<tr>
<th>California tiger salamander</th>
<th>Ambystoma californiense</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fed: FT</td>
<td>Occurs in annual grassland habitat (&lt;1500 feet) and occasionally in grassy understory of valley-foothill hardwood habitats where lowland aquatic sites are available for breeding. Breeds primarily in vernal pools.</td>
</tr>
<tr>
<td>State: CT</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
<tr>
<td>Other: -</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
<tr>
<td>Western spadefoot</td>
<td>Spea hammondii</td>
</tr>
<tr>
<td>Fed: -</td>
<td>Found primarily in grassland habitats, but may occur in valley and foothill woodlands. Requires vernal pools, seasonal wetlands, or stock ponds for breeding and egg laying. Prefers more turbid pools for predator avoidance.</td>
</tr>
<tr>
<td>State: CSC</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
<tr>
<td>Other: -</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
<tr>
<td>California red-legged frog</td>
<td>Rana draytonii</td>
</tr>
<tr>
<td>Fed: FT</td>
<td>Occurs in lowlands and foothills in deeper pools and slow-moving streams, usually with emergent wetland vegetation. Requires 11-20 weeks of permanent water for larval development.</td>
</tr>
<tr>
<td>State: CSC</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
<tr>
<td>Other: -</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
</tbody>
</table>

### Reptiles

<table>
<thead>
<tr>
<th>Western pond turtle</th>
<th>Actinemys marmorata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fed: -</td>
<td>Inhabits ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Needs suitable basking sites and upland habitat for egg laying.</td>
</tr>
<tr>
<td>State: CSC</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
<tr>
<td>Other: -</td>
<td>None. No suitable aquatic habitat present within study area.</td>
</tr>
</tbody>
</table>
## Appendix C
### Norwood Avenue - Potentially-occurring Special-status Animals

<table>
<thead>
<tr>
<th>Animal Type</th>
<th>Species Name</th>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>White-tailed kite</td>
<td>Fed:</td>
<td>Found in lower foothills and valley margins with scattered oaks and</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
<tr>
<td></td>
<td><em>Elanus leucurus</em></td>
<td>-</td>
<td>along river bottomlands or marshes adjacent to oak woodlands. Nests</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>in trees with dense tops.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CFP</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Swainson's hawk</td>
<td>Fed:</td>
<td>Breeds in open areas with scattered trees; prefers riparian and sparse</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
<tr>
<td></td>
<td><em>Buteo swainsoni</em></td>
<td>-</td>
<td>oak woodland habitats. Requires nearby grasslands, gravel fields, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>alfalfa for foraging. Rare breeding species in Central Valley.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>California black rail</td>
<td>Fed:</td>
<td>Inhabits salt, fresh, and brackish water marshes with little daily</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
<tr>
<td></td>
<td><em>Laterallus jamaicensis coturniculus</em></td>
<td>-</td>
<td>and/or annual water fluctuations. In freshwater habitats, preference</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>is for dense bulrush and cattails. Several scattered populations</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CT</td>
<td>documented from Butte Co. to southern Nevada Co.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CFP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Western yellow-billed cuckoo</td>
<td>Fed:</td>
<td>Inhabits riparian forests along the broad, lower floodplains of larger</td>
<td>None. No suitable nesting habitat present within study area. No riparian habitat present.</td>
</tr>
<tr>
<td></td>
<td><em>Coecyclus americanus occidentalis</em></td>
<td>FT</td>
<td>rivers. Nests in thickets of willows and cottonwoods with an understory</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>of blackberry, nettle, or wild grape.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Athene cunicularia</em></td>
<td>-</td>
<td>primarily ground squirrels.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CSC</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>Other:</td>
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<td></td>
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<td></td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Least Bell's vireo</td>
<td>Fed:</td>
<td>Rare, local summer resident below 2000 ft in low, dense foothill</td>
<td>None. No suitable nesting habitat present within study area. No riparian habitat present.</td>
</tr>
<tr>
<td></td>
<td><em>Vireo bellii pusillus</em></td>
<td>FE</td>
<td>riparian habitat. Inhabits low, dense growth along water. Typically</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>associated with willows, cottonwoods, and blackberry thickets.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Purple martin</td>
<td>Fed:</td>
<td>Breeds in riparian woodland, oak woodland, open coniferous forests.</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
<tr>
<td></td>
<td><em>Progne subis</em></td>
<td>-</td>
<td>Secondary cavity nester. Requires nest sites close to open foraging</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>areas of water or land.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CSC</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Appendix C
### Norwood Avenue - Potentially-occurring Special-status Animals

<table>
<thead>
<tr>
<th>Animal</th>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bank swallow</strong>&lt;br&gt; <em>Riparia riparia</em></td>
<td>Fed: - State: CT Other: *</td>
<td>Colonial nester near riparian and other lowland habitats. Requires vertical banks or cliffs with fine-textured, sandy soils near streams, rivers, and lakes.</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
<tr>
<td><strong>Grasshopper sparrow</strong>&lt;br&gt; <em>Ammodramus savannarum</em></td>
<td>Fed: - State: CSC Other: -</td>
<td>Breeds in grasslands and savannas in rolling hills and lower mountain hillsides up to 5000 feet elevation.</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
<tr>
<td><strong>Song Sparrow - Modesto population</strong>&lt;br&gt; <em>Melospiza melodia</em></td>
<td>Fed: - State: CSC Other: -</td>
<td>Occurs in expansive freshwater wetlands and early stage riparian thickets of Sacramento Valley. Prefers emergent freshwater marshes dominated by tules, cattails, and willow thickets.</td>
<td>None. No suitable nesting habitat present within study area. No water or riparian habitat.</td>
</tr>
<tr>
<td><strong>Tricolored blackbird</strong>&lt;br&gt; <em>Agelaius tricolor</em></td>
<td>Fed: - State: CT Other: CSC</td>
<td>Colonial nester in dense cattails, tules, brambles or other dense vegetation. Requires open water, dense vegetation, and open grassy areas for foraging.</td>
<td>None. No suitable nesting habitat present within study area.</td>
</tr>
</tbody>
</table>

### Mammals

<table>
<thead>
<tr>
<th>Animal</th>
<th>Status*</th>
<th>Habitat</th>
<th>Probability on Project Site</th>
</tr>
</thead>
</table>

*Status*
- Federal:
  - FE - Federal Endangered
  - FT - Federal Threatened
  - FPE - Federal Proposed Endangered
  - FPT - Federal Proposed Threatened
  - FCP - Federal Candidate
  - FPD - Federal Proposed for Delisting
- State:
  - CE - California Endangered
  - CT - California Threatened
  - CR - California Rare
  - CC - California Candidate
  - CFP - California Fully Protected
  - CSC - California Species of Special Concern
- Other:
  - Some species have protection under the other designations, such as the California Department of Forestry Sensitive Species, Bureau of Land Management Sensitive Species, U.S.D.A. Forest Service Sensitive Species, and the Migratory Bird Treaty Act. Raptors and their nests are protected by provisions of the California Fish and Game Code. Certain areas, such as wintering areas of the monarch butterfly, may be protected by policies of the California Department of Fish and Game. WL - CDFG Watch List