

Appendix C
Special-Status Species Lists

Biological Resources – Special Status Plants and Wildlife 2015

Table 1. Sensitive Plants Identified as Having Potential Habitat in the Study Area

Common and Scientific Names	Legal Status	General Habitat Description	Habitat	Rationale
	(Federal/State/CRPR) ^a		Present/Absent	
Burke's goldfields <i>Lasthenia burkei</i>	E/E/1B	Known from scattered occurrences in Sonoma and Marin counties. Occurs in freshwater marshes and swamps, riparian scrub at elevations of 16–1,197 feet. Reported blooming period is April–June.	Present	Potential habitat present in emergent wetland, but not observed during surveys conducted in blooming period. Nearest documented occurrence is ~8 mi. south of study area.
Fragrant fritillary <i>Fritillaria liliacea</i>	-/-/1B	Known from Inner North Coast Ranges, San Francisco Bay Area, west-central Great Valley. Occurs in coastal bluff scrub, valley and foothill grasslands, cismontane woodlands at elevations of 10–1,640 feet. Reported blooming period is February–April.	Present	Marginal potential habitat present in ruderal annual grassland, but not observed during surveys conducted in blooming period. Nearest documented occurrence is more than 10 mi. from study area.
Jepson's leptosiphon <i>Leptosiphon jepsonii</i>	-/-/1B	Scattered occurrences in the Coast Ranges and Sierra Nevada Foothills. Sometimes on serpentine soils in chaparral, cismontane woodland, valley and foothill grassland; 295–5,100 feet. Reported blooming period is April–May.	Present	Marginal potential habitat in ruderal annual grassland habitat, but not observed during surveys conducted in blooming period. Nearest documented occurrence is more than 10 mi. from study area.
Napa false indigo <i>Amorpha californica</i> var. <i>napensis</i>	-/-/1B	North Coast and northern Central Coast from Del Norte to Sonoma Counties; Nevada, Oregon, Washington, and elsewhere. Mesic coastal scrub, freshwater marshes and swamps; 33–150 feet. Reported blooming period is April–July.	Present	Potential habitat present in emergent wetland, but not observed during surveys conducted in blooming period. Nearest documented occurrence is more than 10 mi. from study area.
Narrow-anthered brodiaea <i>Brodiaea leptandra</i>	-/-/1B	North Coast, northern central coast: Marin, Mendocino, Santa Cruz*, and Sonoma Counties. Fresh emergent wetlands, including bog, marsh, swamp, and seeps and wet areas in closed-cone coniferous forest, North Coast coniferous forest, and coastal prairie; below 1,330 feet. Reported blooming period is May–July.	Present	Potential habitat present in emergent wetland, but not observed during surveys conducted in blooming period. Nearest documented occurrence is more than 10 mi. from study area.

Common and Scientific Names	Legal Status (Federal/State/CRPR) ^a	General Habitat Description	Habitat Present/Absent	Rationale
Rincon Ridge ceanothus <i>Ceanothus confusus</i>	-/-/1B	Known only from Pitkin Marsh in Sonoma County. Freshwater marshes and swamps, bogs and fens; 50–295 feet. Reported blooming period is February–April.	Absent	Potential habitat present in emergent wetland, but not observed during surveys conducted in blooming period. Nearest documented occurrence is ~10 mi. from study area.
Rincon Ridge manzanita <i>Arctostaphylos stanfordiana</i> <i>ssp. decumbens</i>	-/-/1B	Known from scattered occurrences throughout California; Oregon, Washington. Occurs in coastal prairie, marshes and swamps at lake margins, valley and foothill grassland at elevations below 2,050 feet. Reported blooming period is February–April.	Present	Potential habitat present in emergent wetland, but not observed during surveys conducted in blooming period. Nearest documented occurrence is ~10 mi. from study area.

? = occurrence is questionable in this county.

* = presumed extirpated from that county.

^a Status explanations:

Federal

E = listed as endangered under the federal Endangered Species Act.

- = no listing.

State

E = listed as endangered under the California Endangered Species Act.

- = no listing.

California Rare Plant Ranks (CRPR)

1A = List 1A species: presumed extirpated in California.

1B = List 1B species: rare, threatened, or endangered in California and elsewhere.

2 = List 2 species: rare, threatened, or endangered in California but more common elsewhere.

3 = List 3 species: more information is needed about this plant.

Threat Ranks

0.1 = seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat).

0.2 = fairly endangered in California (20–80% occurrences threatened/moderate degree and immediacy of threat).

Table 2. Sensitive Wildlife and Fish Species Identified as Having Suitable Habitat in the Study Area

Common and Scientific Names	Legal Status (Federal/State) ^a	General Habitat Description	Habitat Present/Absent	Rationale
Foothill yellow-legged frog <i>Rana boylei</i>	-/SSC	Occurs in the Klamath, Cascade, north Coast, south Coast, Transverse, and Sierra Nevada Ranges up to approximately 6,000 feet. Found in creeks or rivers in woodland, forest, mixed chaparral, and wet meadow habitats with rock and gravel substrate and low overhanging vegetation along the edge. Usually found near riffles with rocks and sunny banks nearby.	Absent	There is no suitable habitat present in the study area.
Western pond turtle <i>Emys marmorata</i>	-/SSC	Occurs throughout California west of the Sierra-Cascade crest; found from sea level to 6,000 feet; does not occur in desert regions except for along the Mojave River and its tributaries; occupies ponds, marshes, rivers, streams, and irrigation canals with muddy or rocky bottoms and with watercress, cattails, water lilies, or other aquatic vegetation in woodlands, grasslands, and open forests.	Present	Low potential to be present within the unnamed drainage, west of Canyon Run road.
Great blue Heron	-/SSC	Nests colonially in large trees near water.	Absent	Closest known nesting site is 4 miles southeast of the study area along the Russian River.
Burrowing Owl	-/SSC	Lowlands throughout California, including the Central Valley, northeastern plateau, southeastern deserts, and coastal areas. Rare along south coast. Level, open, dry, heavily grazed or low-stature grassland or desert vegetation with available burrows.	Present	Suitable foraging habitat, limited suitable nesting habitat. Vegetation is too high and dense for the species in the majority of the study area.
Osprey	-/SSC	Nests in mature trees and manmade structures such as power poles near freshwater lakes, reservoirs, large rivers, estuaries, and bays.	Absent	Low probability of nesting in the study area due to distance from water.
White-tailed kite <i>Elanus leucurus</i>	-/FP	Lowland areas west of Sierra Nevada from the head of the Sacramento Valley south, including coastal valleys and foothills to western San Diego County at the Mexico border; low foothills or valley areas with valley or live oaks, riparian areas, and marshes near open grasslands for foraging.	Present	Suitable nest trees in and adjacent to study area; suitable foraging habitat in the vicinity of the study area.

Common and Scientific Names	Legal Status (Federal/State) ^a	General Habitat Description	Habitat Present/ Absent	Rationale
Townsend's big-eared bat	-/SPE	Roosting sites include caves, mine tunnels, abandoned buildings and other structures. Forages in a variety of plant communities including coastal conifer and broad-leaf forests, oak and conifer woodlands, arid grasslands and deserts. Most commonly associates with mesic sites. Highly sensitive to human disturbances; a single visit by humans can cause bats to abandon roosts.	Present	May roost in basal hollows of trees or existing structures in study area.
Pallid bat ^b <i>Antrozous pallidus</i>	-/SSC	Occurs throughout California except the high Sierra from Shasta to Kern County and the northwest coast, primarily at lower and mid elevations. Found in a variety of habitats from desert to coniferous forest. Most closely associated with oak, yellow pine, redwood, and giant sequoia habitats in northern California and oak woodland, grassland, and desert scrub in southern California. Relies heavily on trees for roosts.	Present	May roost in foliage of trees in study area.
Navarro roach <i>Lavinia symmetricus navarroensis</i>	-/SSC	Habitat generalists, found in warm intermittent streams as well as cold, well-aerated streams.	Absent	There is no suitable habitat present in the study area.
Hardhead <i>Mylopharodon conocephalus</i>	-/SSC	Occurs in large pools with little silt in the Sacramento-San Joaquin and Russian River systems.	Absent	There is no suitable habitat present in the study area.
Central California coast coho salmon <i>Oncorhynchus kisutch</i>	E/E	Occurs in coastal streams from Punta Gorda (Humboldt County) south to and including the San Lorenzo River (Santa Cruz County), as well as populations in tributaries to San Francisco Bay, excluding the Sacramento-San Joaquin River system. Occurs in cool, clear, well-oxygenated streams with deep pools and dense riparian and submerged cover.	Absent	In recent years, coho salmon has been documented in only five tributary streams of the Russian River downstream of the study area. There is no suitable habitat present in the study area.

Common and Scientific Names	Legal Status (Federal/State) ^a	General Habitat Description	Habitat Present/Absent	Rationale
Russian River tule perch <i>Hysterocarpus traskii</i> <i>pomo</i>	-/SSC	Occurs in low gradient freshwater streams of the Russian River with emergent vegetation or overhanging banks.	Absent	There is no suitable habitat present in the study area.

^a Status explanations:

Federal

- E = listed as endangered under the federal Endangered Species Act.
- T = listed as threatened under the federal Endangered Species Act.
- = no listing.

State

- E = listed as endangered under the California Endangered Species Act.
- T = listed as threatened under the California Endangered Species Act.
- FP = fully protected under the California Fish and Game Code.
- SSC = species of special concern in California.
- SPE = Proposed for listing as endangered in California.
- = no listing.

^b This bat is considered a high priority species in California by the Western Bat Working Group. Available: http://www.wbwg.org/spp_matrix.html).

APPENDIX B - REFERENCES

- Bortugno, E.J., 1982, Map Showing Recency of Faulting, Santa Rosa Quadrangle in Wagner and Bortugno, Geologic Map of the Santa Rosa Quadrangle: California Division of Mines and Geology, Regional Geologic Map Series, Map No. 2A, Santa Rosa Quadrangle, Scale 1:250,000.
- Bryant, W.A., and Hart, E.W., Interim Revision 2007, Fault-Rupture Zones in California; California Geological Survey, Special Publication 42, p. 21 with Appendices A through F.
- California Building Code, 2013, California Building Standard Commission.
- Delattre, C.I., 2011, Preliminary Geologic Map of the Healdsburg 7.5' Quadrangle, Sonoma County, California: A Digital Database.
- Giblin Associates, 1994, Final Report, Fault and Geologic Constraints Investigation, North Half of Planning Area A, North Healdsburg, California, Job No. 384.29.7.
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- WAC Corporation, Sonoma County, 1996, Black and White Aerial Photographs, Roll 18, Frames 208 & 209, Approximate Scale 1"=2000'.
- Working Group on California Earthquake Probabilities, 2007, Uniform California Earthquake Rupture Forecast (UCERF): Notes on Southern California Earthquake Center (SCEC) Web Site (<http://www.scec.org/ucerf/>).

APPENDIX C - DISTRIBUTION

Urban Green Investments, LLC
Attention: Kevin Skiles
1746 Union Street
San Francisco, CA 94123
kevin@urbangreeninv.com

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