SUMMITWEST
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Biological Resource Assessment for Stevens Park

City of Santa Barbara Hazardous Fuels Mitigation Project

To: The City of Santa Barbara
Parks & Recreation Department

By: SummitWest Environmental, Inc.

January 30, 2024 (revised August 14, 2025)

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Project Summary

SummitWest Environmental Inc. (SummitWest) completed biological surveys for rare plant species, special status wildlife species and habitats, vegetation communities and native grasslands, invasive plant species, and conducted coarse waters mapping, in support of the City of Santa Barbara's Hazardous Fuels Mitigation Project (Project). These surveys were completed across approximately 594 acres comprising seven parks; this Biological Resources Assessment (BRA), and the associated geospatial database, detail the findings for Stevens Park.

In Stevens Park, three special status plant species, one special status wildlife species, seven special status wildlife species' suitable habitats, four vegetation communities (including one sensitive community), 22 invasive plant species, and one water resource were mapped. Survey results and impact analysis and avoidance and mitigation measures are detailed below.

1.0 Introduction

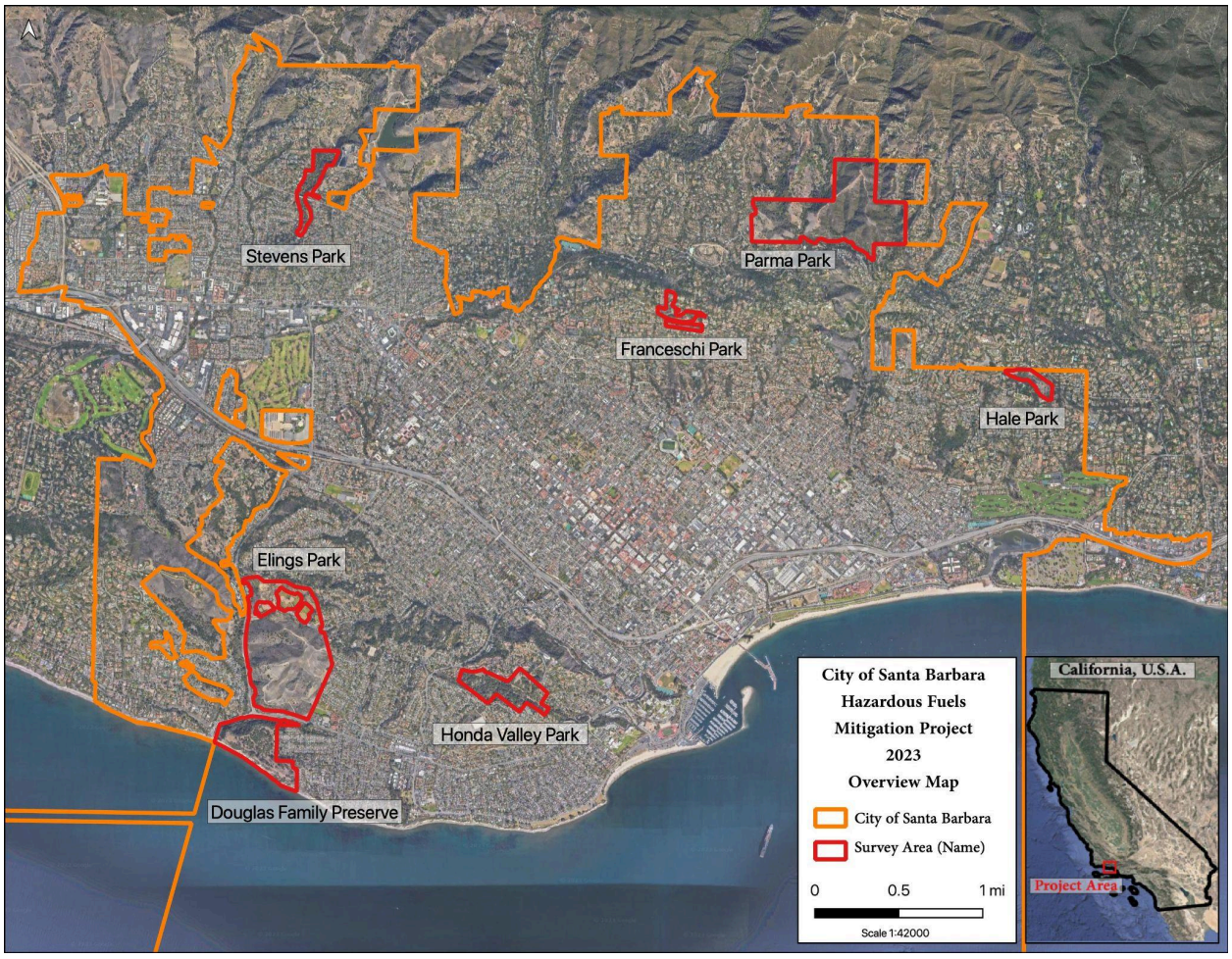
The City of Santa Barbara Hazardous Fuels Mitigation Project (Project) aims to implement a comprehensive and sustainable approach to reducing hazardous fuels in the High Fire Hazard Areas of the City, in accordance with the objectives stated in the City's 2021 Community Wildfire Protection Plan (CWPP; City, 2021), and vegetation management goals in open space parks. The work area is approximately 594 total acres spread across 7 open space parks: Parma Park, Honda Valley Park, Elings Park, Douglas Family Preserve, Stevens Park, Franceschi Park, and Hale Park. SummitWest conducted concurrent rare plant surveys, invasive plant surveys, vegetation community and native grassland mapping, and wildlife habitat assessments to identify resources that may be affected by Project activities. All Project activities are contingent on compliance with various local, state, and federal legislation.

1.1 Project Location and Setting

Stevens Park is regionally located within the City of Santa Barbara on the southern coast of California. Santa Barbara is nestled between the Santa Ynez Mountains and the Pacific Ocean, resulting in a diverse topography of hills, valleys, and coastal plains. The Mediterranean climate of the City is characterized by mild, wet winters and warm, dry

summers. Frequent marine layers are present throughout the summer due to proximity to the ocean. Average temperatures are around 60°F in winter to the mid-70s°F in summer (NOAA, 1994; Western Regional Climate Center, 2023). The City of Santa Barbara prioritizes sustainable development and land management, and promotes growth of natural resources as well as historic preservation. Key land uses within the City include residential, parks and open space (including Goleta Slough Natural Reserve and Shoreline), commercial, institutional, and industrial (County, 2011; County, 2021).

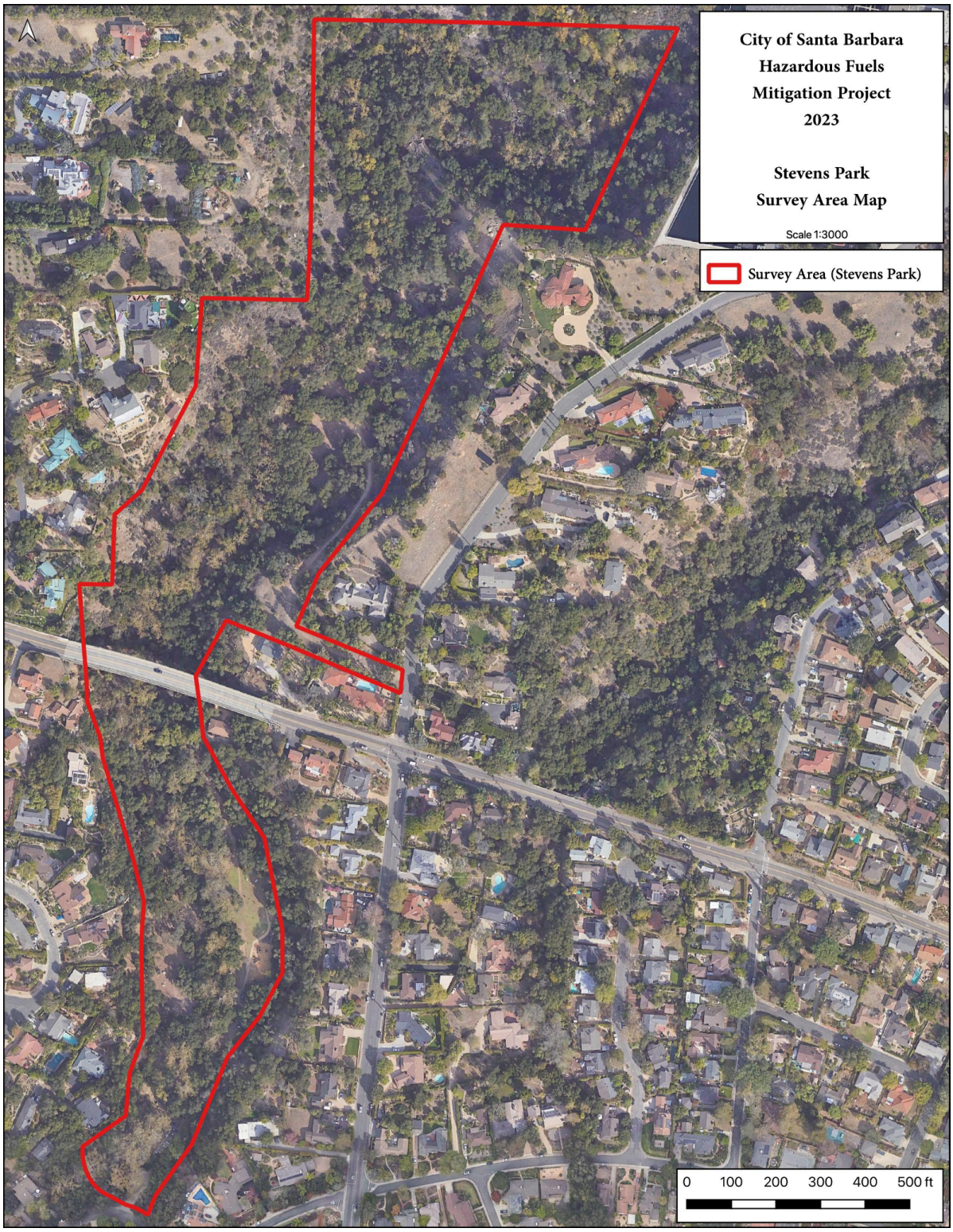
Figure 1. Regional Location Map



Stevens Park totals approximately 26 acres and is located in the foothill zone of the High Fire Hazard Area in the City of Santa Barbara, approximately 1.25 miles north of Highway 101 (Figure 1). The Park is bordered roughly by San Roque Road to the east, with Foothill Road running through the middle of the park from west to east. Land uses of the

surrounding area include residential and a CWPP “Critical Facility” (Cater Water Treatment Plant) to the north. Stevens Park is located within the United States Geological Survey (USGS) 7.5-minute *Santa Barbara* topographic quadrangle in Sections 00 and 5 of Township 4 North and Range 27 West, and Assessor Parcel Numbers (APNs) 055-160-025, 055-160-048, 055-160-053, 055-160-047, 055-032-001. Stevens Park is centered at approximately 34.450811 latitude and -119.734379 longitude, and elevation of the park ranges from 250 to 500 feet above mean sea level (msl) with steep east and west facing slopes. The majority of Stevens Park soil is made up of Orthents 50-75% slopes, which is derived from mixed alluvium. Much of the Park also contains Elder sandy loam 2-9% slopes, which is well drained and derived from alluvium derived from mixed sources (USDA, 2023).

Figure 2. Stevens Park Survey Area Map



1.2 *Project Description*

The City of Santa Barbara Fire Department is responsible for implementing the objectives stated in the CWPP. The Fire Department and the Parks and Recreation Department have not had the resources available to closely manage and maintain the High Fire Hazard Areas and specified Vegetation Management Units (VMUs) identified in the CWPP. Therefore, the Departments jointly secured a Wildfire Resilience Grant Application offered by the California State Coastal Conservancy (Conservancy) resulting in the Hazardous Fuels Mitigation Project which funded this BRA.

Recognized CWPP VMUs have unique hazards, include or are adjacent to resources threatened by wildfire, have the potential for extreme fire behavior, and pose various challenges for fire protection. Before receiving the Conservancy Grant referenced herein, City fire crews responded to management needs on a short-term, as needed/quick response basis, without the necessary resources in place for a comprehensive response. Although the Parks and Recreation Department conducts vegetation management activities to meet defensible space requirements, a comprehensive, sustainable approach is needed.

The Hazardous Fuels Mitigation Project aims to reduce fire risk while avoiding disruption of the natural ecosystem via (1) maintaining defensible space around adjacent homes, (2) maintaining and improving the necessary fire access roads/fuel breaks to access High Fire Hazard Areas, (3) vegetation management targeted at high-fire risk invasive species removal and associated native plant restoration efforts, (4) fuel load reduction in at-risk areas, and (5) community outreach and education around fuels management. Site specific biological planning documents need to be in place before the aforementioned Project work can occur.

Vegetation management methods will be implemented on a site-specific basis, including but not limited to: vegetation lifting via hand cutting, weed whipping, tree removal focused on hazardous deadwood and high-fire risk invasive species, chipping, grazing, cutting of mosaic patterns to change the fuels continuity, active restoration (planting of container plants and/or seed application), and passive restoration (promoting the natural succession and recolonization by native/fire resilient species via selective maintenance).

2.0 Regulatory Overview

For the objectives of this Biological Resources Assessment, special-status botanical or wildlife species are those that are:

- Listed as threatened or endangered under the Federal Endangered Species Act (FESA)
- Listed as rare, threatened, endangered, or candidates for listing under the California Endangered Species Act (CESA)
- Designated as Fully Protected (FP), Species of Special Concern (SSC), or Watch List (WL) by the California Department of Fish and Wildlife (CDFW)
- Designated as locally important by the City of Santa Barbara

Additionally, the evaluation of potential impacts on biological resources within the Project will be determined by considering the following legislation:

- FESA (USFWS, 1973)
- Migratory Bird Treaty Act (MBTA; USFWS, 1918)
- The Bald and Golden Eagle Protection Act (BGEPA; USC, 1940)
- Clean Water Act (CWA; USC, 1972)
- CESA (CDFW, 1984)
- California Fish and Game Code (CFGC; CDFW, 1984)
- Regional Water Quality Control Board (RWQCB, 2019)
- Porter-Cologne Water Quality Control Act (California Water Code, 1969)
- California Environmental Quality Act (CEQA, 1970)
- County of Santa Barbara General Plan (County, 2011)
- City of Santa Barbara Local Coastal Program Coastal Land Use Plan (City, 2019)
- City of Santa Barbara Urban Forest Management Plan (City, 2014)

2.1 Federal Regulations

Federal Endangered Species Act

The FESA (16 USC § 153 et seq.) safeguards flora and fauna that have been designated as endangered or threatened by the United States Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS). According to Section 9 of the FESA, it is forbidden to engage in any activities that harm or cause "take" of endangered wildlife. "Take" encompasses actions such as to "harass, harm, pursue, hunt, shoot, wound, kill, trap,

capture, collect, or attempt to engage in such conduct" (50 Code of Federal Regulations [CFR] 17.3). Harm as listed also encompasses habitat modification. Regarding botanical species, this law regulates actions such as removing, possessing, maliciously damaging, or destroying endangered plants on federal land, as well as removing, cutting, digging up, damaging, or destroying endangered plants on non-federal land, in deliberate defiance of state law (16 U.S. Code [USC] 1538).

Federal agencies are obligated to consult with the USFWS if their activities, inclusive of providing funding or approving permits, could negatively impact any listed or proposed listed plant or wildlife species or critical habitat (Section 7 of the FESA). With discourse and provision of a biological opinion, the USFWS has the authority to grant an incidental "take" permit (ITP), sanctioning the incidental "take" of a sensitive species or its habitat as a result of an otherwise authorized activity, as long as it will not endanger the species' continued survival. Section 10 of the ESA defines the procedure for issuing an ITP in cases where no other federal actions are required, as long as a habitat conservation plan (HCP) is established. Verification of whether the Project will affect sensitive species or their habitat depends on a thorough literature review of the Project area and/or field inspection by a qualified biologist.

No "take" of federally listed endangered or threatened species is proposed as part of this Hazardous Fuels Mitigation Project.

Migratory Bird Treaty Act

The MBTA, outlined in Section 703-711 of the 16 USC, is implemented by the USFWS. This Act administers international agreements between the United States and other countries created to safeguard migratory birds and their body parts, eggs, and nests from actions such as hunting, pursuing, capturing, killing, selling, and shipping. These actions are prohibited unless specifically allowed through regulations or obtained permits. The law currently applies to more than 1,000 species, including most native birds, and covers the destruction or removal of active nests of those species. The USFWS has the authority to grant permits for specific activities, including falconry, raptor propagation, scientific collecting, special purposes (rehabilitation, education, migratory game bird propagation, and salvage), "take" of depredating birds, taxidermy, and waterfowl sale and disposal (50 CFR 13 and 50 CFR 21).

Bald and Gold Eagle Protection Act

The BGEPA, as specified in Section 668 of 16 USC, is implemented by the USFWS. The BGEPA is aimed as safeguarding both bald and golden eagles, and creates legal consequences for individuals who "take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle [or any golden eagle], alive or dead, or any part, nest, or egg thereof." In the context of the BGEPA, "take" includes the activities to "pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb."

Clean Water Act

The CWA (Title 33 USC Sections 1251-1376) offers direction for restoration and preservation of the "chemical, physical, and biological integrity of the nation's waters," which included oceans, bays, rivers, perennial and non-perennial streams, lakes, ponds, and seasonal and perennial wetlands. Section 404 of the CWA forbids the discharge of dredged or fill material into Waters of the United States (U.S.) unless a permit is administered by U.S. Army Corps of Engineers (USACE). The term "fill material" denotes any substance mainly used to replace an aquatic area with dry land or to modify the bottom elevation of a water body. The phrase "Waters of the U.S." encompasses rivers, streams, estuaries, the territorial seas, ponds, lakes, and wetlands. Perennial and intermittent creeks are considered Waters of the U.S. if they are hydrologically connected to other navigable, jurisdictional waters.

The USACE also enforces Executive Order 11990, which is a federal policy aimed at ensuring there is no overall reduction of wetland value or acreage. In support of the CWA, the USACE strives to prevent negative impacts and mitigate unavoidable negative impacts on existing aquatic resources. Any release of dredged or fill material into wetlands and waterways that impact Waters of the U.S. necessitates a permit from the USACE prior to commencing work. Achieving the goal of no overall reduction of wetland value or acreage is accomplished through avoidance and minimization measures to the utmost extent possible, as well as through compensatory mitigation measures that will generate or amplify similar habitats.

The USACE has the authority to grant an individual permit or a general permit. Significant effects to wetlands may necessitate obtaining an individual permit; however, projects with

only minimal effects on wetlands may satisfy the criteria of one of the preexisting Nationwide Permits. Activities that necessitate a Section 404 permit require a Section 401 Water Quality Certification or waiver prior to receiving the Section 404 permit. This certification confirms compliance with state water quality standards, including beneficial uses (23 CCR § 3830, et seq), and is administered by the State Water Quality Control Board (SWQCB) and by each of nine California RWQCB.

2.2 State and Local Regulations

California Endangered Species Act

CESA closely aligns with the statutes of the FESA, but CESA also applies "take" prohibitions to species that are state candidates for listing. CESA states that "all native species of fishes, amphibians, reptiles, birds, mammals, invertebrates, and plants, and their habitats, threatened with extinction and those experiencing a significant decline which, if not halted, would lead to a threatened or endangered designation, will be protected or preserved." Additionally, under CESA, "take" is defined as "to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill" an individual of a species, but this description does not include indirect impacts to species such as "harm" or "harass," like the FESA does. CDFW is responsible for administration of CESA, and is dedicated to collaborating with individuals, agencies, and institutions to safeguard and conserve special-status species and their habitats. CDFW has created lists of species categorized as California endangered, threatened, and candidate, and there is some overlap with the FESA lists.

CDFW has the authority to grant an ITP (CFGC section 2080.1), sanctioning the incidental "take" of a sensitive species as a result of an otherwise authorized activity, as long as it will not endanger the species' continued survival. Additionally, applying for an ITP involves prerequisites such as outlining measures to minimize potential "take", as well as detailing strategies for mitigating "take" of listed species. CESA stresses the importance of early discourse to prevent potential impacts on rare, endangered, and threatened species, and to create suitable mitigation measures to offset any loss of listed species caused by Project activities. Verification of whether the Project will affect sensitive species depends on a thorough literature review of the Project area and/or field inspection by a qualified biologist.

Another type of special status species designated by the CDFW is "Species of Special Concern" (SSC), which is a classification for species that act as indicators of regional habitat alterations or have potential to become future protected species. SSC are not granted any specific legal standing, other than distinct Sections of CFGC described below. Classification as SSC is helpful for management because it allows CDFW to consider these species when making decisions regarding the development of natural landscapes.

CDFW's California Natural Diversity Database (CNDDB, 2023) is a resource that tracks all species of concern, referred to as "special-status species" regardless of their specific protection status. CDFW regards the species on this list as requiring the highest level of conservation.

No "take" of state listed endangered or threatened species or candidate species is proposed as part of this Hazardous Fuels Mitigation Project.

California Fish and Game Code

- The Native Plant Protection Act (NPPA) (CFGC §§ 1900-1913) was established to determine which plant species qualify for state listing. Qualified species include those with a California Rare Plant Rank (CRPR) of 1A, 1B, and 2, which fulfill the requirements of sections 1901, Chapter 10 (NPPA) or sections 2062 and 2067 (CESA) of the CFGC. CDFW administers the NPPA and defines the standards that designate a species, subspecies, or variety of native plant as endangered or rare.
- Sections 1600-1616 of the CFGC regulate activities that may alter any part of "waters of the state", which includes the flow, bed, banks, channel, or associated riparian areas of a river, stream, or lake. Specifically, Section 1602 of the CFGC necessitates that a Notification of Lake and Streambed Alteration shall be presented to CDFW for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake." This may include activities that will affect the edge of riparian vegetation connected to the banks. After reviewing the proposed Project activities, CDFW may submit measures for the Project to implement that are required to safeguard aquatic species and biological resources that may be impacted by the Project activities. The final resulting mutual agreement between CDFW and the Project applicant is a Streambed Alteration Agreement (SAA). Frequently, projects requiring an SAA from

CDFW will also require a CWA Section 404 Permit from the USACE, and the components of both may overlap.

- The CDFW ensures the safeguarding of nongame native birds in CFGC Sections 3503, 3503.5, and 3800. Additionally, Section 3513 of the CFGC forbids the ownership or "take" of birds listed under the MBTA. Together, these Sections sanction the preservation of almost all California nongame native birds, not exclusively special status birds, as well as their nests, eggs, and parts.
- CFGC Sections 3511 4700, 5050, and 5515 safeguard Fully Protected (FP) bird, mammal, reptile, amphibian, and fish species, and forbid any harm, possession, or "take" of any of these species. An ITP may not be obtained from CDFW for FP species, so any project activities that could impact FP species must be entirely avoided.

Regional Water Quality Control Board for the Central Coastal Basin

The Porter-Cologne Water Quality Control Act of 1967 (California Water Code § 13000 et seq.) requires the SWQCB and the nine RWQCBs to establish water quality standards to preserve Waters of the State. These standards include defining beneficial uses, formulating descriptive and numerical water quality criteria, and outlining administrative strategies. For each RWQCB, specific water quality control plans are developed, delineating policies, objectives, and water management practices that align with the Porter Cologne Water Quality Control Act. As mentioned in the Federal CWA section above, the RWQCB also issues Water Quality Certifications in accordance with Section 401 for all waters under federal authority. The SWQCB manages discharges and safeguards water quality of "isolated" Waters of the State through Waste Discharge Requirements (WDRs) (USC, 1972).

California Environmental Quality Act

The following guidelines derived from the Initial Study checklist within Appendix G of the CEQA Guidelines were used to determine the degree of environmental impact imposed by the Project. Based on these standards, significant impact to biological resources can be assumed if the Project would:

- have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by CDFW or USFWS;

- have a substantial adverse effect on any riparian habitat or other sensitive vegetation community identified in local or regional plans, policies, regulations or by the CDFW or USFWS;
- have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, and coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites;
- conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; and
- conflict with the provisions of an adopted HCP, Natural Community Conservation Plan, or other approved local, regional, or state HCP.

When assessing whether there will be significant impact on a biological resource, it is crucial to consider both the resource and its role within the broader local or regional environment. A significant impact includes any impact that reduces or causes loss of a biological resource, or is inconsistent with any local, state, or federal mandates, objectives, or conservation plans. Occasionally, an impact may be locally significant due to negative modification of existing environments, but not significant per CEQA due to lack of considerable reduction or indefinite loss of that resource on a population- or region-wide basis.

City of Santa Barbara General Plan

The main purpose of the General Plan is to aid the City in becoming more sustainable, and to “enhance and preserve the City’s critical ecological resources in order to provide a high quality environment necessary to sustain the City’s ecosystem.” The General Plan helps City officials, planners, and residents make informed decisions that ensures they are “efficiently and effectively managing and protecting…natural and physical resources.” Environmental protection goals include initiatives to: create a climate change action plan; protect native trees (especially oaks); protect, maintain, and expand diverse native plant and wildlife habitats; and protect and restore creeks and riparian corridors. Specifically, biological resource policies include:

- 1.0 A set of land use suitability guidelines shall be developed for use in land planning and the environmental review process.

- 2.0 Redevelopment and renovation of the central City shall be encouraged in order to preserve existing resources.
- 3.0 Goleta Slough shall be preserved and restored as a coastal wetland ecosystem.
- 4.0 Remaining Coastal Perennial Grasslands and Southern Oak Woodlands shall be preserved, where feasible.
- 5.0 The habitats of rare and endangered species shall be preserved.
- 6.0 Intertidal and marine resources shall be maintained or enhanced.
- 7.0 Prime agricultural lands shall be conserved wherever possible and expansion of agricultural uses shall be allowed subject to maximizing compatibility with adjacent land uses and restricting effects on the environment.
- 8.0 The use of City-owned vacant properties for community gardens shall be encouraged.
- 9.0 The biotic resources of the Harbor shall be maintained, so far as possible within the framework of the Local Coastal Program (LCP) and other Harbor Restoration plans.
- 10.0 Programs shall be developed to maintain a productive urban biotic community.
- 11.0 Where Biological Resources policies conflict, the policy most protective of the natural environment shall prevail.

City of Santa Barbara Local Coastal Program Coastal Land Use Plan

The City of Santa Barbara Local Coastal Program (LCP) Coastal Land Use Plan (CLUP) describes the developmental and land use management standards within the coastal areas throughout the City of Santa Barbara. The LCP is the planning framework required by the California Coastal Act to equalize development with resource protection along the coast. The CLUP ensures responsible and sustainable land use while preserving the environment and its natural resources. Regulations for development activities and/or land uses and implementation measures that aid in protection of resources within the coastal zone are included within the CLUP.

City of Santa Barbara Urban Forest Management Plan

The main purpose of the City of Santa Barbara Urban Forest Management Plan (Plan) is to preserve, manage, and enhance urban forests throughout the City. The Plan can have the greatest influence on the approximately 20% of the urban forest that exists on City

property. Together with the Parks and Recreation Department, Public Works Department, Community Development Department, and Fire Department, the City is able to adequately manage urban forest landscapes. Municipal codes and Objectives within the Plan describe protective and implementation measures that promote maintenance and mitigation of impact to urban forests.

3.0 Methods

3.1 Literature Review

Prior to conducting fieldwork, SummitWest biologists performed a literature review of the Project areas using a 6-quad search of CDFW's Biogeographic Information and Observation System (BIOS) and California Natural Diversity Database (CNDDB; CDFW, 2023a; CDFW, 2023b) and the California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants and Vegetation Alliance Manual (CNPS, 2023a; CNPS, 2023b). Other resources investigated during the literature review include A Manual of California Vegetation, 2nd edition (Sawyer et al., 2009), Calflora (2023), Special Animals List (CDFW, 2023c), and State and Federally Listed Endangered and Threatened Animals of California (CDFW, 2023d). These searches identified special status species and vegetative communities, notable water resources, and critical habitat with potential to occur in the Survey Area. Results of this review directed the scope and details of field surveys.

3.2 Reference Site Checks

In preparation for field surveys, SummitWest botanist Keir Morse conducted two reference site checks to determine plant species' bloom windows, characteristics, and site-specific phenology. On April 3, 2023, Mr. Morse visited four different sites known to contain the target species (34.457648, -119.692198; 34.458679, -119.764113; 34.513800, -119.804190; 34.402906, -119.741831) to obtain visual confirmation of the species and their associated habitats, and confirm the correct time of year to begin surveying for early- to mid-season blooming species. On July 24, 2023, Mr. Morse visited four different sites known to contain the target species (34.434004, -119.553300; 34.513800, -119.804190; 34.510545, -119.772226; 34.416926, -119.883417) to obtain visual confirmation of the species and their associated habitats, and confirm the correct time of year to begin surveying for late-season blooming species.

3.3 Biological Reconnaissance Surveys

Biological reconnaissance surveys were completed by walking parallel and meandering transects ranging from 30 to 60 feet apart depending on terrain and visibility, to ensure comprehensive coverage of Stevens Park. Botanists mapped all observed invasive plant species, rare plant species, and vegetation alliances utilizing existing protocols (CNPS, 2001; USFWS, 2000; CDFW, 2018). Ubiquitous and common invasives that have little likelihood of being controlled were generally not mapped, unless there was extra time. Weed mapping focused on emergent threats and smaller stands of weeds that could possibly be controlled. Some of the weeds mapped are surrounded by larger areas of ubiquitous invasive weeds that are not mapped. Obvious ornamental plantings were not included in the plants lists and not mapped as weeds unless known to be invasive. After surveys were completed, botanists determined and mapped areas recommended for invasive plant removal. Species noted as Group 1 for removal are those that are easily controlled and are either early or not yet established infestations or aggressive spreaders with high invasiveness. Species noted as Group 2 for removal are those that are either somewhat established or a single occurrence, and can be controlled fairly easily. The remaining invasive species that were mapped as present but not mapped as recommended for treatment are those that are either not easily controlled and well established, or would require significant effort to be treated and controlled. Wildlife biologists mapped all observed sensitive species and their suitable habitat. Water resources observed were coarsely mapped when present, but jurisdictional delineations were not completed. All mapped occurrences and representative photographs were recorded utilizing ESRI Field Maps, with each species identified to the lowest taxonomic level possible. Percent of individuals in each life stage was recorded for special-status plant populations.

SummitWest wildlife biologists David Tafoya and Michael Schwanhausser surveyed the site on May 8, 2023, and SummitWest botanists Keir Morse, Zach Kinman, Alex Aylard, and Michael Schwanhausser surveyed the site on May 12, 2023 and August 1, 2023. Areas with limited access, dense poison oak populations, or dangerous terrain were surveyed utilizing binoculars instead of walking pedestrian transects.

3.4 Focused Surveys

SummitWest did not conduct any protocol-level follow-up surveys for sensitive species.

4.0 Results

4.1 Literature Review

The comprehensive literature review revealed 71 special-status wildlife and 54 special-status plants with potential to occur throughout the Project or surrounding areas (Appendix D). Additionally, 237 invasive plant species were determined to have the potential to occur throughout the Project or surrounding areas. Sensitive vegetation alliances have not been previously mapped within the Project Area.

4.2 Reference Site Checks

During the first reference site check at four sites on April 3, 2023, five target species were observed in vegetative states, and two target species were observed in flowering states. The lead botanist determined that botany surveys should commence in mid-May to ensure the highest probability of identifying all target species. During the second reference site check at four different sites on July 24, 2023, seven target species were observed flowering, and the lead botanist determined that botany surveys for late-blooming species should begin in early August to ensure the highest probability of identifying all target species. Representative photographs can be found in Appendix A.

4.3 Biological Reconnaissance Survey

Federal, state, and local agencies necessitate an on-site evaluation of special status species presence or potential to occur before any Project activities may commence. Below SummitWest describes all special status and sensitive species and resources observed on the Project site. All determinations for potential occurrence were based on results of the literature review and results of the reconnaissance surveys, and are described in detail in Appendix D. The following categories were utilized to determine the potential for each special status species to occur in the Project area:

- **Present/Occurs:** Species or positive sign has been observed on-site during reconnaissance surveys
- **Likely:** Suitable habitat for the species is present on-site and the site is within the geographic range of the species, implying the species is highly likely to be present on site; and/or the species has been recorded on-site or within a two-mile (plants) or

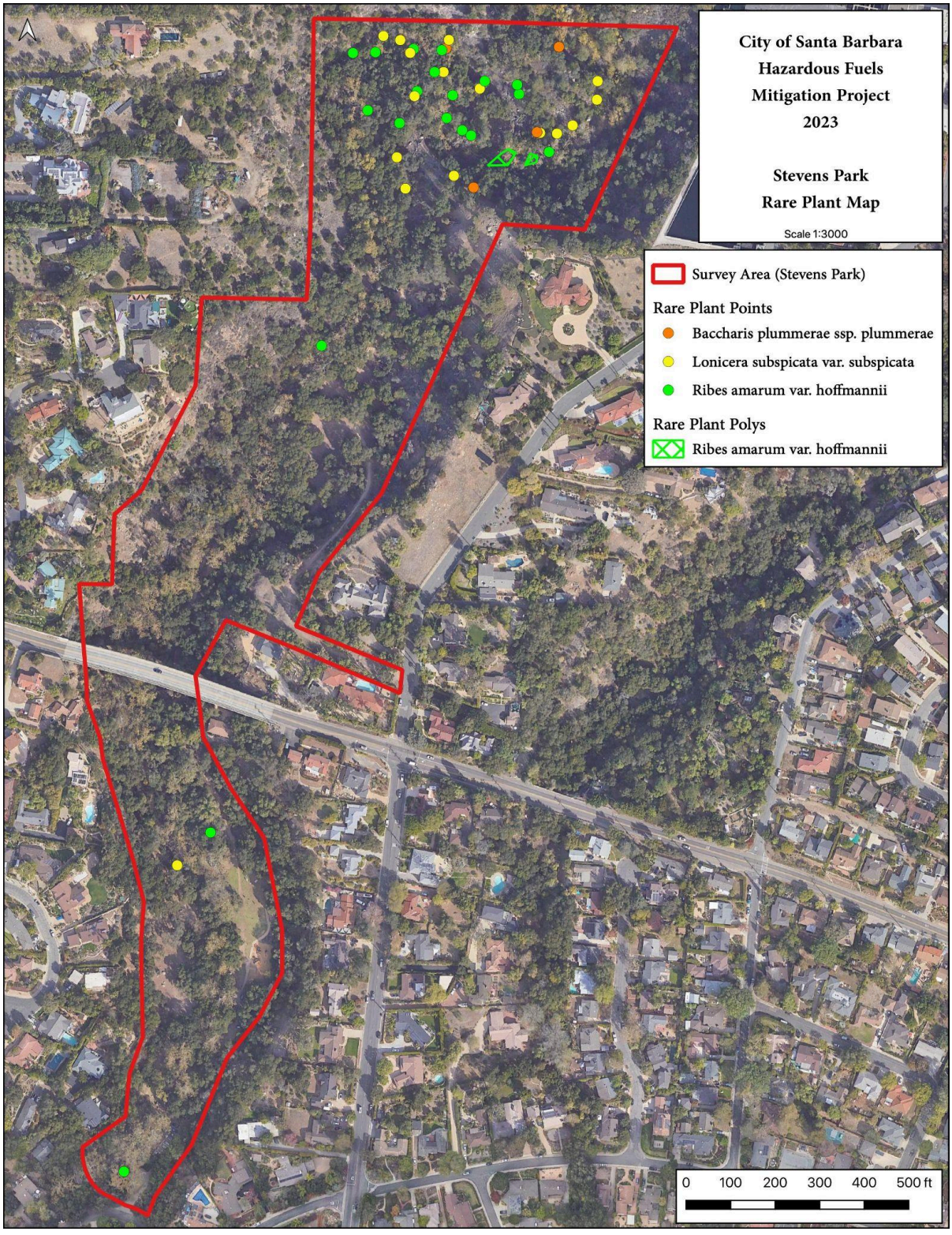
five-mile (wildlife) radius within the last twenty years (CDFW 2023a, CDFW 2023b, and CNPS 2023a, CNPS 2023b)

- **Unlikely:** Site may be within geographic range of the species, but suitable habitat for the species is minimal and/or the species has not been recorded on-site within the last twenty years (CDFW 2023a, CDFW 2023b, and CNPS 2023a, CNPS 2023b)
- **Does not Occur:** Species has not been observed on-site during reconnaissance surveys and suitable habitat for the species is not present on-site. Site is outside of geographical and elevational ranges of species.

Rare Plant Species

Although 54 special-status plant species were revealed in the literature review as having potential to occur within the Project (Appendix D), only three special-status plant species were observed and are considered to be Present/Occurs within the Survey Area (Figure 3). Approximately 17 Plummer's Baccharis (*Baccharis plummerae ssp. plummerae*; CRPR 4.3; G3T3, S3), 89 Santa Barbara honeysuckle (*Lonicera subspicta ssp. Subspicata*; CRPR 1B.2), and 214 bitter gooseberry (*Ribes amarum var. Hoffmannii*; CRPR 3) individuals were observed and mapped within the Survey Area (Figure 3). A compendium of all plant species observed during reconnaissance surveys can be found in Appendix B.

Figure 3. Stevens Park Rare Plant Map



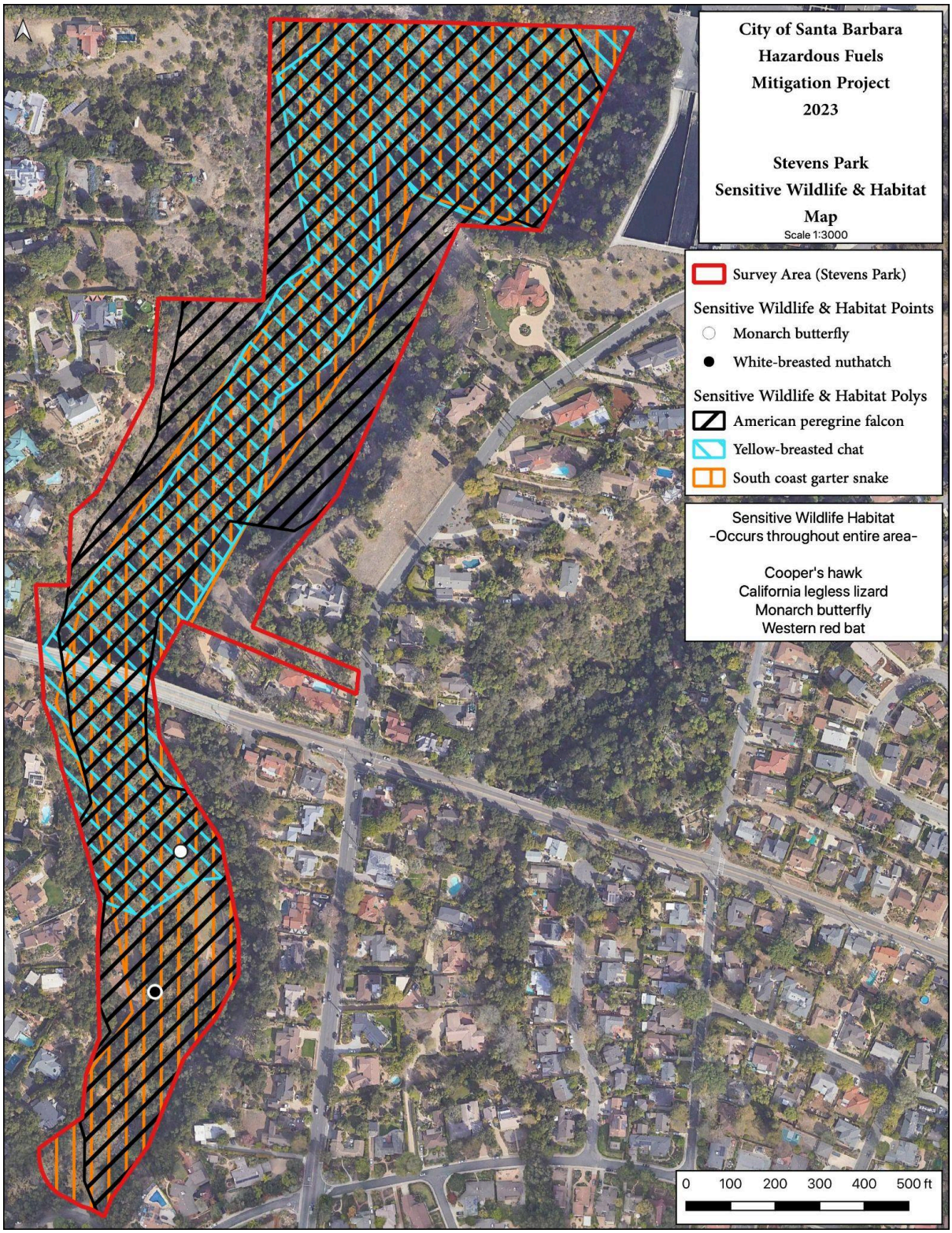
Special Status Wildlife Species and Habitat

Although 71 special-status wildlife species were revealed in the literature review as having potential to occur within the Project (Appendix D), only one special-status wildlife species, monarch butterfly (*Danaus plexippus plexippus* pop. 1) was observed and is considered to be Present/Occurs within the Survey Area (Figure 4).

In addition to monarch butterfly, suitable habitat was also mapped for six more species, which are considered likely to occur in the Survey Area (Figure 4): Cooper's hawk (*Accipiter cooperii*; WL), Northern California legless lizard (*Anniella pulchra*; SSC), American peregrine falcon (*Falco peregrinus anatum*; FD, SD, FP), yellow-breasted chat (*Icteria virens*; SSC), western red bat (*Lasiurus frantzii*; SSC), south coast gartersnake (*Thamnophis sirtalis* pop. 1; SSC). A comprehensive species compendium of all wildlife observed during reconnaissance surveys can be found in Appendix C.

The Survey Area provides adequate habitat for nesting birds, and a white-breasted nuthatch (*Sitta carolinensis*) nest with young was observed during the reconnaissance survey (Figure 4).

Figure 4. Stevens Park Sensitive Wildlife and Habitat Map



Vegetation Communities

Four different vegetation alliances and one other land cover were observed within the Survey Area (Figure 5). One of these vegetation alliances, *Platanus racemosa - Quercus agrifolia* (California sycamore - coast live oak riparian woodlands) Woodland Alliance, is considered a sensitive community. Vegetation communities follow nomenclature of Sawyer et al. (2009), as updated by CDFW VegCAMP and the online edition hosted by CNPS (CNPS, 2023a).

***Artemisia californica - (Salvia leucophylla)* (California sagebrush - (purple sage) scrub) Shrubland Alliance**

California sagebrush - (purple sage) scrub shrubland covers approximately 0.64 acres of the Survey Area (Figure 5). The canopy is intermittent to continuous, and the shrubland is dominated by *Artemisia californica* and/or *Salvia leucophylla.*

***Avena* spp. - *Bromus sp*. (Wild oats and annual brome grasslands) Herbaceous Semi-Natural Alliance**

The wild oats and annual brome grassland herbaceous semi-natural alliance covers approximately 0.35 acres of the Survey Area (Figure 5). The canopy is open, with greater than 80% herbaceous understory comprised of many typical nonnative grassland species including *Avena sp*., *Brachypodium distachyon, Briza maxima, Bromus sp*., and/or *Hordeum murinum* as dominant or codominant with other nonnative grasses and forbs. This alliance may include scattered shrubs and trees at low cover. Typical topography includes foothills, rangelands, and openings in woodlands. Within this alliance in the Survey Area, common species include: *Avena sp*., *Brachypodium distachyon, Bromus* sp., *Festuca perennis, Hordeum murinum,* and *Medicago polymorpha.*

***Platanus racemosa - Quercus agrifolia* (California sycamore - coast live oak riparian woodlands) Woodland Alliance**

The California sycamore - coast live oak riparian woodland alliance covers approximately 11.18 acres of the Survey Area (Figure 5). *Platanus racemosa* and/or *Quercus agrifolia* is dominant or co-dominant in the tree canopy in riparian habitats. The canopy and shrub layer are open to intermittent, with a sparse herbaceous layer. Special status species observed were *Baccharis plummerae sp. plummerae, Lonicera subspicata* var. *subspicata,* and *Ribes amarum* var. *hoffmanii*. This woodland alliance is a sensitive community with a status

of G3S3. Status G3 represents a global rank of vulnerable and status S3 represents a state rank of vulnerable. In both cases, the alliance is at moderate risk of extinction or elimination due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.

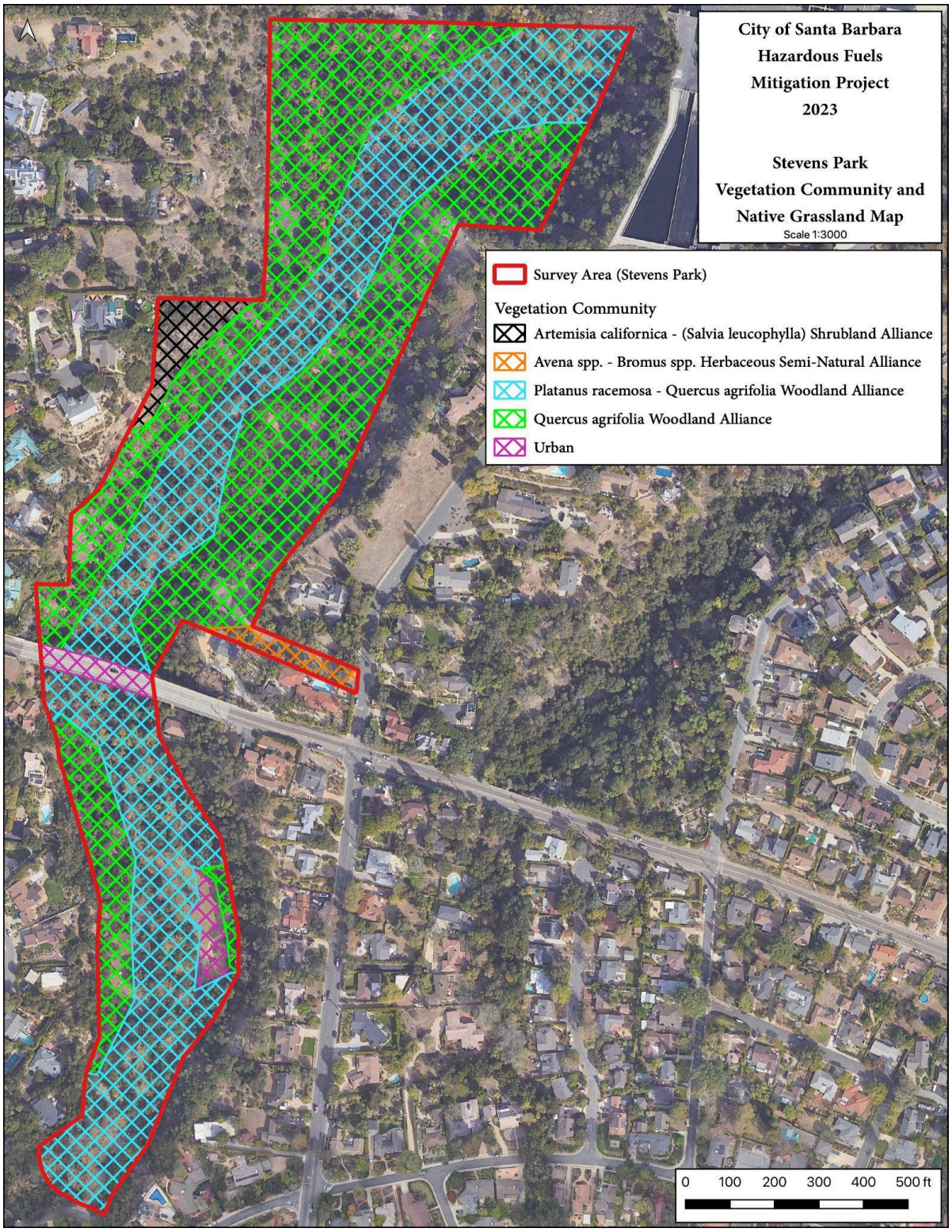
***Quercus agrifolia* (Coast live oak woodland and forest) Woodland Alliance**

The coast live oak woodland and forest alliance covers approximately 13.19 acres of the Survey Area (Figure 5). The canopy is open with trees greater than 30 meters tall and a sparse shrub and herbaceous layer. Typical topography includes canyon bottoms, slopes, and flats. California live oak (*Quercus agrifolia var. agrifolia*) is the dominant species with >10% total cover in the stand and > 50% relative cover in the tree canopy. Special status species observed within this alliance in the Survey Area were *Baccharis plummerae ssp. plummerae*, *Lonicera subspicata* var. *subspicata*, and *Ribes amarum* var. *hoffmanii.*

Other Land Covers

One other land cover, Urban, was observed within Stevens Park (Figure 5). This is an urbanized area of the park dominated by lawn grass, bare ground, and facilities (0.64 acres).

Figure 5. Stevens Park Vegetation Community and Native Grassland Map



Invasive Plant Species

The literature review revealed 237 invasive plant species have potential to occur throughout the Project. During surveys at Stevens Park, 22 invasive plant species were identified and mapped (Figure 6). These species include:

- Silver wattle (*Acacia dealbata*)- 6 points (133 individuals)
- Giant reed (*Arundo donax*)- 1 point (1 individual)
- Italian thistle (*Carduus pycnocephalus ssp. pycnocephalus*)- 1 polygon (1,000 individuals); 20 points (2,035 individuals)
- Cape ivy (*Delairea odorata*)- 8 points (695 individuals)
- Pride of Madeira (*Echium candicans*)- 1 polygon (15 individuals), 2 points (15 individuals)
- Red gum (*Eucalyptus camaldulensis*)- 1 points (3 individuals)
- Caper spurge (*Euphorbia lathyris*)- 1 point (5 individuals)
- Common fig (*Ficus carica*)- 1 point (1 individual)
- Fennel (*Foeniculum vulgare*)- 4 points (20 individuals)
- English ivy (*Hedera helix*)- 7 points (106 individuals)
- Mediterranean hoary mustard (*Hirschfeldia incana*)- 1 polygon (80 individuals)
- Glossy privet (*Ligustrum lucidum*)- 1 point (2 individuals)
- Tree tobacco (*Nicotiana glauca*)- 1 point (3 individuals)
- Olive (*Olea europaea*)- 26 points (44 individuals)
- Canary Island palm (*Phoenix canariensis*)- 4 points (4 individuals)
- Castor bean (*Ricinus communis*)- 2 points (2 individuals)
- Peruvian pepper tree (*Schinus molle*)- 10 points (16 individuals)
- Blessed milkthistle (*Silybum marianum*)- 3 points (7 individuals)
- Cape honeysuckle (*Tecomaria capensis*)- 2 points (40 individuals)
- Garden nasturtium (*Tropaeolum majus*)- 5 polygons (1,880 individuals), 9 points (135 individuals)
- Bigleaf periwinkle (*Vinca major*)- 11 points (54 individuals)
- Spineless yucca (*Yucca gigantea*)- 1 point (5 individuals)

Invasive species recommended as first priority (Group 1) and second priority (Group 2) for treatment were identified and mapped (Figure 7). A comprehensive species compendium of all plants observed during reconnaissance surveys can be found in Appendix B.

Figure 6. Stevens Park Invasive Plant Map

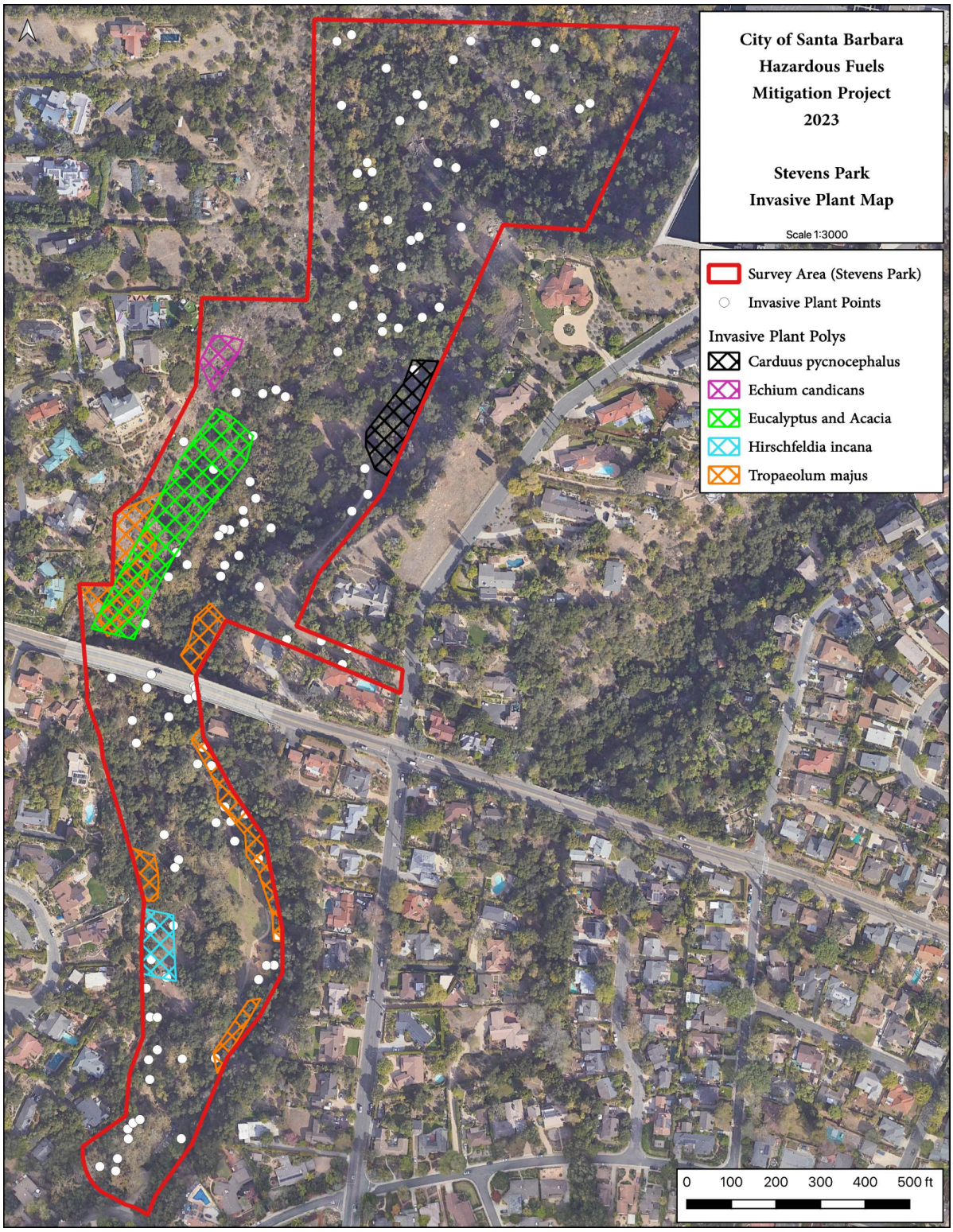
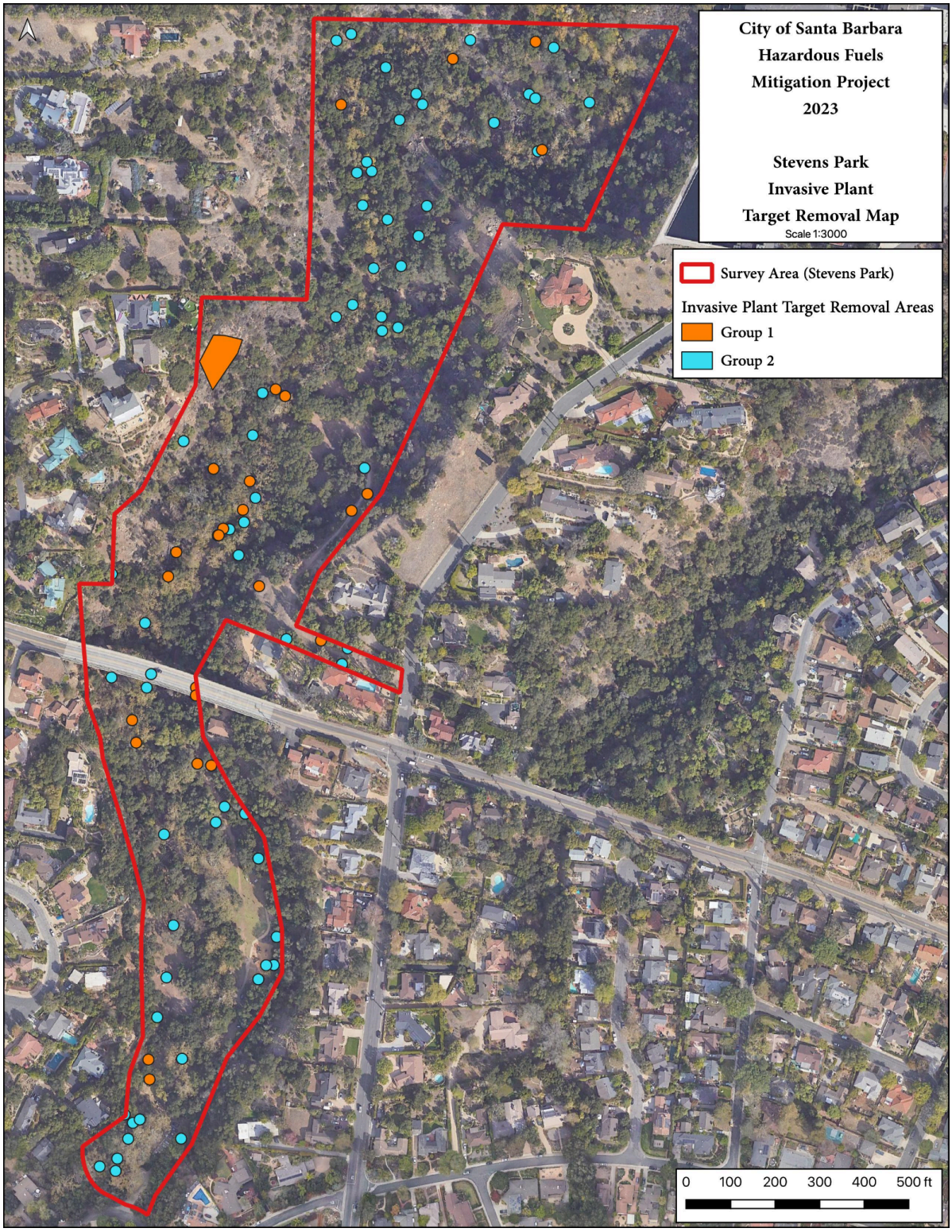


Figure 7. Stevens Park Invasive Plant Target Removal Map



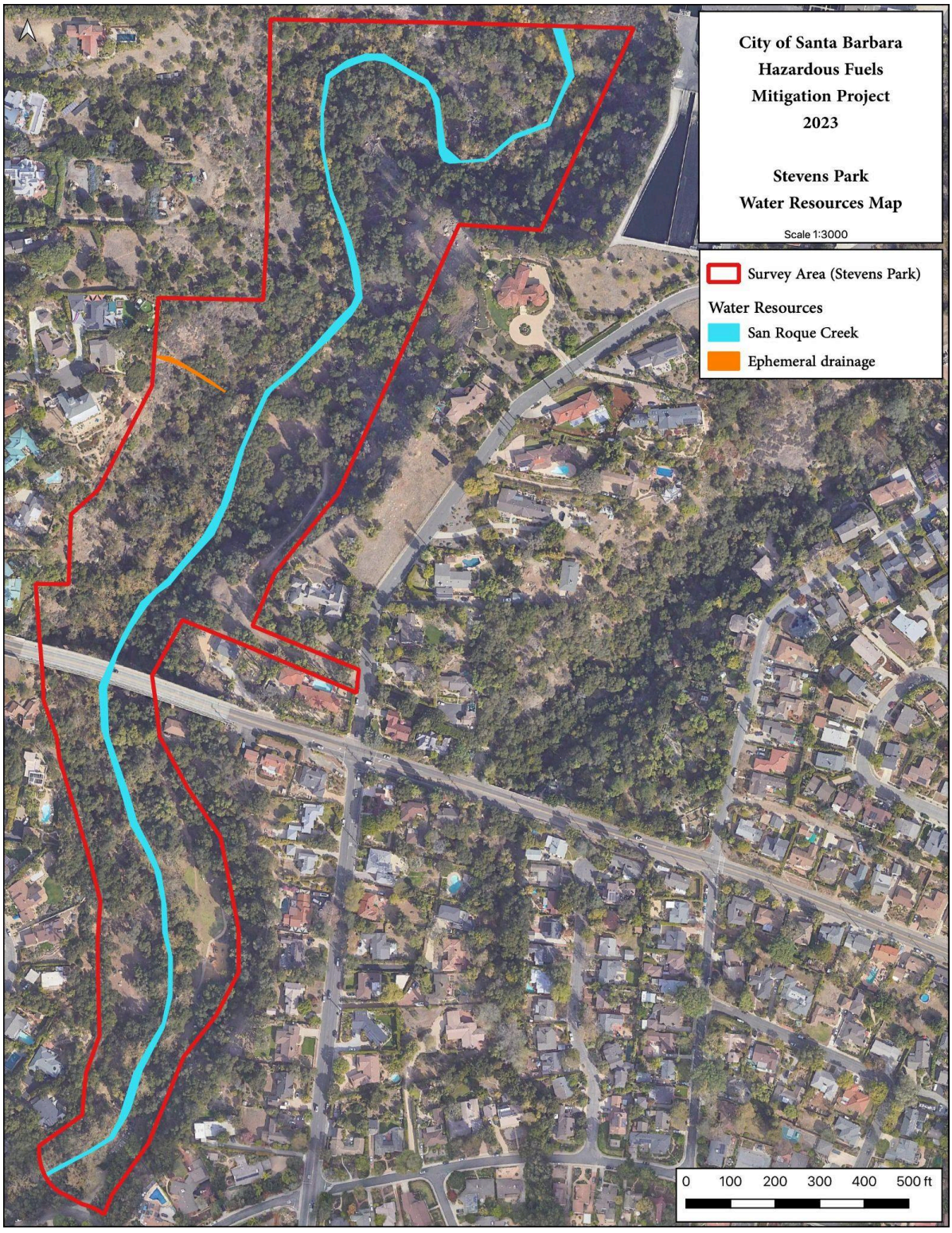
4.4 Water Resources

Stevens Park contains two water features, one of which is a relatively large jurisdictional stream known as San Roque Creek. This semi-permanent waterway winds its way south from the Santa Ynez Mountains, moving through the City of Santa Barbara until it connects with the Arroyo Burro about 1 mile southwest of Stevens Park. The portion of San Roque Creek next to the playground and open field within Stevens Park appears to be regularly manicured with landscaping practices such as clearing leaves and debris and trimming surrounding vegetation. Most of the vegetation surrounding the stream includes native riparian species such as poison oak (*Toxicodendron diversilobum*) and California sycamore (*Platanus racemosa*) . There is evidence of native animal species using the stream and associated riparian habitat, including chorus frog tadpoles, black-bellied slender salamanders (*Batrachoseps nigriventris*), and many bird species.

The second mapped potentially jurisdictional water feature north of San Roque Creek is a southeasterly flowing ephemeral drainage that appears to have been modified to divert excess water flow from the nearby housing development towards San Roque Creek. The ephemeral drainage is somewhat well-maintained and presumably only yields water during atypical high flow events. During these atypical events it is possible that this water feature may connect to San Roque Creek, but this could not be determined at the time the surveys took place. The adjacent vegetation is homogenous with the surrounding landscape and is dominated by poison oak (*Toxicodendron diversilobum*) and invasive *Tropaeloum* species. The canopy layer was relatively open compared to that of San Roque creek; no wildlife were observed actively using this habitat at the time the surveys were conducted. Additionally, the habitat suitability for herpetofauna is low, as this ephemeral drainage was relatively steep, which does not allow water to pool.

The structure of the riparian vegetation around San Roque Creek in Stevens Park is characterized as having a somewhat open canopy and dense understory with thickets of various shrubs and lower growing trees, with a densely vegetated ground covered with low herbaceous plants, grasses, and vines. The substrate along the stream bed is rocky and gravelly, with many large rocks scattered along the stream, creating some deeper pools.

Figure 8. Stevens Park Water Resources Map



4.5 Wildlife Movement

The habitat connectivity associated with Stevens Park is critical to facilitate the movement of wildlife on a regional and local scale. Stevens Park is part of a linkage corridor that connects the core wildlife habitat areas of Elings Park to the south to the Santa Ynez Mountains to the north. Due to the close proximity of Stevens Park to the Santa Ynez Mountains to the north, there is a high likelihood of wildlife using Stevens Park to safely move throughout the area on a local scale. Bridges, overpasses, and culverts, as well as a trail system that connects to Jesusita and Arroyo Burro trails to the north, allow wildlife to move between wild areas.

4.6 Habitat Conservation Plan

No Habitat Conservation Plan or Natural Community Conservation Plan exists for this Site.

5.0 Impact Analysis and Avoidance and Mitigation Measures

5.1 Special Status Species

Any activities involving vegetation removal such as grazing, chain and hand saws, hand pushed or small riding mowers, and weed whips in rare plant or sensitive vegetation communities could have a significant negative impact on rare plant species and on the sensitive vegetation community *Platanus racemosa - Quercus agrifolia* Woodland Alliance (G3S3). Additionally, activities involving Project equipment movement and noise or removal of special status wildlife habitat or Environmentally Sensitive Habitat Areas (ESHA) could have a significant negative impact on special status wildlife species. To mitigate any potential impacts, the following mitigation and avoidance measures are recommended:

1. A Project-specific Worker Environmental Awareness Prevention (WEAP) Training shall be prepared by a biologist familiar with the Project and presented to all persons working on the Project. The WEAP will inform workers on all special status wildlife and plant species that may be present in the Project Area, and explain all mitigation and avoidance measures required to prevent and/or lessen impact. Instructions will also be given on how to proceed if an accidental injury occurs to a special status wildlife species or if damage occurs to an ESHA or special status plant species. A record of all personnel who attend the training will be maintained.

2. A general pre-activity survey for all special status wildlife and plant species must be completed within 10 days of Project work commencement.
3. Use of Best Management Practices (BMPs) during any Project activity, including but not limited to:
    a. All equipment used on site shall be properly maintained such that no leaks of oil, fuel, or residues will occur. Additionally, supplies shall be on-hand to remedy any accidental spills in both the terrestrial and marine environments.
    b. All equipment used on site shall be properly operated to prevent extraneous dust or runoff.
    c. Food waste and other Project related trash shall be contained in secured waste bins and regularly removed from the Project site to prevent attraction of special status species.
    d. All Project equipment shall be thoroughly cleaned before entering and before leaving the site to prevent the spread of invasive species that may displace native wildlife or native plant species.
    e. A speed limit of 10 miles per hour (mph) shall be maintained by all vehicles and equipment to prevent direct strikes of special status species.
    f. Only designated areas shall be utilized for staging of equipment.
    g. The Work Area shall be delineated by the crew, and work shall not occur outside of these boundaries.
    h. Feeding of wildlife is prohibited.
    i. Firearms and pets are prohibited within the Project Area.
4. All Project activities shall occur within Project limits.
5. Any pesticides or herbicides necessary for project activities shall only be used after an exemption from the City's Integrated Pest Management (IPM) Advisory Committee is obtained.
6. During the Nesting Bird Season (February 1-September 30):
    a. Ideally, vegetation removal and disturbance shall occur outside of the nesting bird season.
    b. If work must occur during the nesting bird season, a survey for nesting birds within 500 feet of the Project must be completed within 72 hours of Project activities by a qualified biologist. If the Project area has been inactive for more than 7 days, the nesting bird survey shall be repeated.
        i. All nests observed shall have a no-disturbance buffer placed at the appropriate distance for the species (300 feet for passerines and 500

feet for raptors, unless otherwise designated by the qualified biologist) until all young have fledged (are independent of the nest).

ii. If nests are present, a weekly spot check shall be conducted by a qualified biologist to ensure avoidance and update fledge status.

7. A daytime survey for bat roosts must be completed within 10 days of Project work.
    a. Within the peak season (maternity season April 15-August 14), when bats are present, all potential roosting habitat shall endure exclusion or humane eviction procedures, implemented by a qualified bat biologist.
    b. If bat roosts are confirmed to be present within the Project area:
        i. And non-breeding or migratory bats are identified from February 15-April 14 or August 15-October 31 within a tree or structure that will be impacted by Project activities, the bats shall be passively excluded by a qualified bat biologist. Generally one-way doors or exclusion materials may be implemented. All bats must be confirmed to have departed the roost prior to work commencement.
        ii. And an occupied maternity roost is identified from April 15-August 14 and/or an occupied hibernation roost is identified from November 1-February 14, a no-disturbance buffer of an appropriate distance shall be implemented by the qualified bat biologist until the site is no longer occupied or Project activities in the area are completed.
            1. If the work must be completed within the no-disturbance buffer during these dates, a biological monitor must be present for activities occurring within the buffer to ensure bats are not impacted by Project activities, including noise.
8. All open-ended Project materials such as pipes shall be capped to prevent wildlife entrapment or breeding.
9. If a special status wildlife species needs to be relocated out of the Project Area, a biologist qualified to handle and relocate that species must create and implement a relocation plan before work may continue in that area.
10. To the extent feasible, control invasive, non-native vegetation that threatens native trees in riparian areas and open space parks.
11. Any landscaping shall prevent the spread of invasive species and will prioritize planting of native species.
12. For tree pruning, follow guidelines set forth in the Urban Forest Management Plan (City, 2014).

13. Adhere to Biological Resource Policies ER11 and ER12.1 in the General Plan (County, 2011), and defensible space requirements and/or vegetation management plans in the CWPP (City, 2021).
14. All Project activities shall avoid removal of mapped special status plant species.
    a. If avoidance of removal cannot be achieved, additional measures such as seed collection and/or translocation will be required.
    b. If avoidance of removal of native tree species cannot be achieved, additional measures such as compensatory planting and/or a restoration/mitigation plan will be required.
    c. A biological monitor shall be present for any mechanical activity (i.e mowing, masticating, felling, yarding) within 50 feet of a sensitive plant species.
15. All Project activities shall avoid trees and sensitive species within mapped sensitive vegetation communities by at least 50 feet.
    a. A biological monitor shall be present for any mechanical activity (i.e mowing, masticating, felling, yarding) within 50 feet of a sensitive plant species within mapped sensitive vegetation communities.
    b. If avoidance of direct impacts cannot be achieved, additional measures such as habitat creation, restoration, and/or enhancement activities will be required at a 4:1 ratio (area restored to area impacted) for permanent impacts or at a 1:1 ratio for temporary impacts. All mitigation sites shall be monitored for a period of no less than five years following completion.
        i. As outlined in Coastal Act Section 30240, Policy 4.1-13, “Where mature native trees (four inches [4”] in diameter or greater at four feet six inches [4'-6"] above grade in height) are substantially impacted or removed, they should be replaced at a minimum 10:1 ratio for oak trees and a minimum 5:1 ratio for all other native trees or other trees providing habitat for sensitive species.” (City, 2019).
16. As outlined in Coastal Act Section 30240, Policy 4.1-4, ESHAs shall be protected against any significant disruption of habitat values, and only uses dependent on those resources shall be allowed within those areas (City, 2019).
17. For habitat considered suitable for monarch overwintering season (generally September through March; Jepson and Black, 2015):
    a. Large trees are subject to CAS 30240.
    b. Lower, large ladder fuels shall be surveyed for the presence of monarchs, and may be removed if they are determined to be unoccupied by a biologist.

c. Young eucalyptus may be removed to aid in fuels reduction.

18. Follow-up rare plant surveys by a qualified botanist are required if Project activities are not completed within 5 years of the initial surveys.

5.2 Water Resources

San Roque Creek and any associated ephemeral channels located within Stevens Park are considered Other Waters of the U.S. under the jurisdiction of USACE and RWQCB under the CWA as well as a streambed per CDFW Fish and Game Code Sections 1600-1616. Full avoidance of the Creek and all associated channels is recommended during all Project activities aside from removing dead and downed materials when water is not flowing, which will not impact the banks or channel of the drainage. If the Project will impact this Creek or any associated channels, a complete delineation of jurisdictional waters will be required. Depending on the results of the delineation report, impacts to these features may require a Section 404 CWA permit from the USACE, a Section 401 CWA Certification from the RWQCB and/or a Streambed Alteration Agreement from CDFW. If the Project requires general vegetation management within the drainage, the following measures shall be followed:

A. To the extent feasible, all work near a creek shall be conducted when surface water is absent.
B. Vegetation shall not be thinned, removed, or pruned, nor shall dead wood be removed, within 50 feet of a creek channel when flowing water is present.
C. The only plants that can be removed from a creek bed (that is, below the line of the ordinary high water mark) are live or dead eucalyptus trees and dead native shrubs/trees that are deemed to be a fire hazard, and invasive exotics (including, but not limited to giant reed).
D. Cut stems, tree trunks or other vegetative debris shall not be dragged across a creek bed that contains riparian vegetation, wetlands, or surface water.
E. No trees shall be felled across a creek while there is flowing water.
F. No eucalyptus chipping or cut stems shall be left on the creek banks or any upper stream terrace, when present.
G. Chipped vegetation shall not be placed on creek banks, unless a qualified biologist determines that placement of the chipping would provide needed erosion protection without an adverse impact on aquatic habitats and water quality in the creek. Plant chippings can be spread outside the top of the bank.

H. Entities performing vegetation management activities within a stream and/or within 50 feet of the stream or its associated channels shall notify the California Department of Fish and Wildlife (CDFW) pursuant to Fish and Game Code Section 1600 et seq. and shall obtain a Lake and Streambed Alteration Agreement (LSAA) if determined to be necessary prior to initiating work within CDFW's jurisdiction. If not already completed, a jurisdictional delineation will be necessary to determine which areas fall under CDFW's jurisdiction.
    a. Any activity that would alter the banks or channel, aside from vegetation removal as described above in Section 5.2.C, within 50 feet of the Creek banks or channel may not occur until a Jurisdictional Delineation determines if an LSAA is necessary.

5.3 Wildlife Movement

Any impacts associated with wildlife movement within the Creek and associated channels can be mitigated or avoided by following all measures listed in section 5.2 above. Additionally, the following measures shall be followed:

A. Protection of riparian corridors from anything that would interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.
B. Protect and restore habitat areas for native flora and fauna, and wildlife corridors within the City, including for chaparral, oak woodland, and riparian areas.
C. Ensure that efforts are made to minimize disturbance to understory vegetation, soils, and any aquatic habitats that are present below the trees in order to provide movement of species that utilize that habitat.
D. Avoid grazing in unstable slope areas or implement measures to minimize impacts to slope stability (e.g., reducing herd size to retain vegetation, avoiding grazing where saturated soil conditions exist).
E. Priorities for restoration include perennial reaches of the major streams, reaches of creek on publicly-owned land, and degraded areas of the City's three major creeks.
F. Ensure that equipment is not placed within sensitive habitat areas.
G. Limit the size and quantity of equipment to that which is necessary to meet the identified vegetation management standard.

5.4 Habitat Conservation Plan

Because Project activities within Stevens Park will not occur within a Habitat Conservation Plan, no associated mitigation or avoidance measures are suggested.

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Appendix A- Representative Photographs

Photo 1. Santa Barbara honeysuckle (*Lonicera subspicata ssp. subspicata*; CRPR 1B.2) observed during first reference site check on April 3, 2023.

Photo 2. Late-flowered mariposa-lily (*Calochortus fimbriatus;* CRPR 1B.3) observed during second reference site check on July 24, 2023.

Photo 3. Plummer's Baccharis (*Baccharis plummerae ssp. plummerae*; CRPR 4.3; G3T3, S3) observed on May 12, 2023.

Photo 4. Santa Barbara honeysuckle (*Lonicera subspicata ssp. subspicata*; CRPR 1B.2) observed on May 12, 2023.

Photo 5. Bitter gooseberry (*Ribes amarum* var. *hoffmannii*; CRPR 3) observed on May 12, 2023, 2023.

Photo 6. *Platanus racemosa* - *Quercus agrifolia* (California sycamore - coast live oak riparian woodlands, G3S3) Woodland Alliance observed on May 12, 2023.

Photo 7. Northern legless lizard potential habitat observed on May 8, 2023.

Photo 8. Surface water present at time of survey, observed on May 8, 2023.

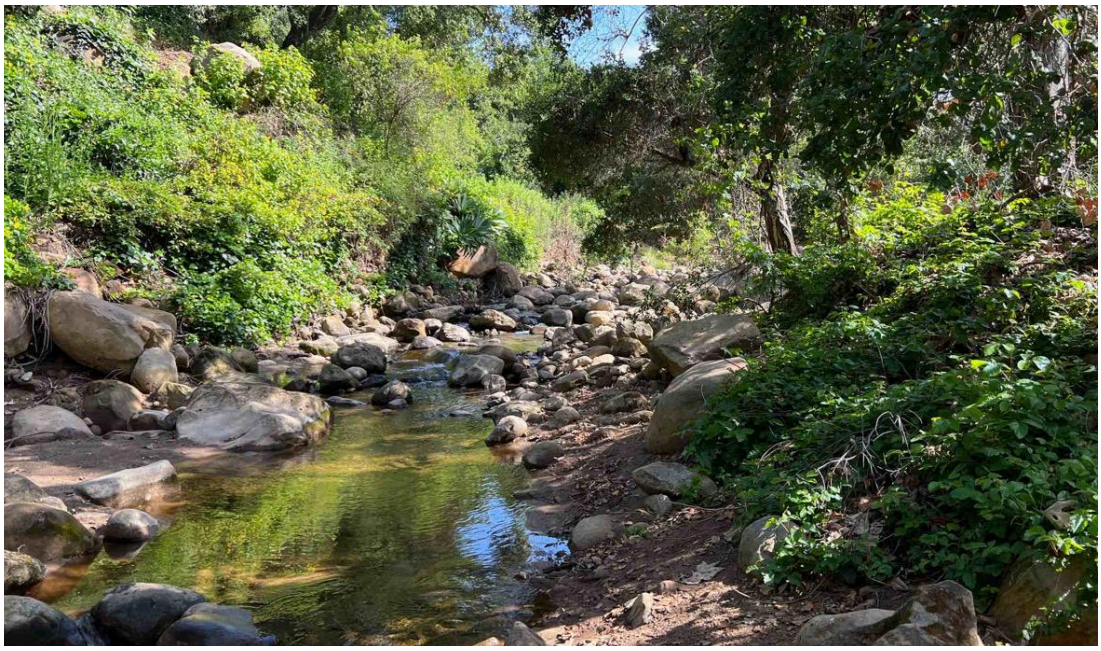

Photo 9. San Roque Creek observed on May 8, 2023.

Appendix B- Botanical Species Compendium

SUMMITWEST
ENVIRONMENTAL, INC.
PO Box 1499, Bend OR 97709

Scientific Name	Common Name
Acacia dealbata	Silver wattle
Acacia sp.	Acacia
*Acmispon glaber var. glaber**	Deerweed
*Alnus rhombifolia**	White alder
Amaranthus albus	Pigweed amaranth
*Artemisia californica**	California sagebrush
*Artemisia douglasiana**	California mugwort
Arundo donax	Giant reed
*Asclepias sp.**	Milkweed species
Avena barbata	Slender wild oat
Avena fatua	Wild oat
*Baccharis pilularis subsp. consanguinea**	Coyote brush
*Baccharis plummerae subsp. plummerae** [1]	Plummer's Baccharis
*Baccharis salicifolia subsp. salicifolia**	Mule Fat
Bidens pilosa	Hairy beggarticks
Brachypodium distachyon	False brome
Bromus catharticus var. catharticus	Rescue grass
Bromus diandrus	Ripgut grass
Bromus hordeaceus	Soft brome
*Calystegia macrostegia**	Island false bindweed
Capsella bursa-pastoris	Shepherd's purse
Carduus pycnocephalus subsp. pycnocephalus	Italian thistle
*Ceanothus spinosus**	Greenbark ceanothus
*Cercocarpus betuloides var. betuloides**	Birch leaf mountain mahogany
Chenopodium murale	Nettle leaf goosefoot
*Claytonia perfoliata**	Miner's lettuce
*Clematis lasiantha**	Chaparral clematis
*Clematis ligusticifolia**	Western virgin's bower
Conium maculatum	Poison hemlock
Crassula ovata	Jade plant
Cynodon dactylon	Bermuda grass
*Cyperus eragrostis**	Tall cyperus
Delairea odorata	Cape ivy
*Diplacus longiflorus**	Sticky monkeyflower

Scientific Name	Common Name
*Dryopteris arguta**	California wood fern
Echium candicans	Pride of madeira
Ehrharta erecta	Panic veldtgrass
*Elymus condensatus**	Giant wild rye
*Epilobium ciliatum**	Fringed willowherb
*Equisetum arvense**	Common horsetail
*Equisetum hyemale subsp. affine**	Common scouring rush
*Equisetum telmateia subsp. braunii**	Giant horsetail
Erigeron bonariensis	Flax-leaved horseweed
*Erigeron canadensis**	Canada horseweed
*Eriophyllum confertiflorum var. confertiflorum**	Golden yarrow
Erodium moschatum	Greenstem filaree
*Erythranthe cardinalis**	Scarlet monkey flower
Eucalyptus camaldulensis	Red gum
Eucalyptus sp.	Eucalyptus
*Eucrypta chrysanthemifolia var. chrysanthemifolia**	Common eucrypta
Euphorbia lathyris	Caper spurge
Euphorbia peplus	Petty spurge
Festuca perennis	Italian rye grass
Ficus carica	Common fig
Foeniculum vulgare	Fennel
*Frangula californica subsp. californica**	California coffeeberry
Fraxinus sp.	Ash
*Galium aparine**	Cleavers
*Galium porrigens var. porrigens**	Climbing bedstraw
Geranium dissectum	Cranesbill
*Hazardia squarrosa**	Saw toothed goldenbush
Hedera helix	English ivy
Helminthotheca echioides	Bristly ox-tongue
*Heteromeles arbutifolia**	Toyon
Hirschfeldia incana	Mediterranean hoary mustard
Hordeum murinum	Wall barley
Hypochaeris glabra	Smooth cat's ear
*Juncus bufonius**	Toad rush
*Keckiella cordifolia**	Climbing penstemon

Scientific Name	Common Name
Lactuca serriola	Prickly lettuce
Lamarckia aurea	Goldentop grass
*Lepidium strictum**	Peppergrass
Ligustrum lucidum	Glossy privet
*Lonicera subspicata var. subspicata** [2]	Santa Barbara honeysuckle
Lysimachia arvensis	Scarlet pimpernel
Lythrum hyssopifolia	Hyssop loosestrife
*Madia gracilis**	Gumweed
*Malacothamnus fasciculatus var. nuttallii**	Santa Cruz Island bush mallow
*Malosma laurina**	Laurel sumac
Malva parviflora	Cheeseweed mallow
Malva pseudolavatera	Cretan mallow
Malva sylvestris	High mallow
*Marah macrocarpa**	Chilicothe
Marrubium vulgare	White horehound
*Matricaria discoidea**	Pineapple weed
Medicago polymorpha	California burclover
Melilotus albus	White sweetclover
Melilotus indicus	Annual yellow sweetclover
Mercurialis annua	Annual mercury
*Nasturtium officinale**	Watercress
Nicotiana glauca	Tree tobacco
Olea europaea	Olive
Opuntia ficus-indica	Mission prickly-pear
Oxalis pes-caprae	Bermuda buttercup
*Oxalis pilosa**	Hairy wood sorrel
*Phacelia cicutaria**	Caterpillar phacelia
*Phacelia ramosissima**	Branching phacelia
Phoenix canariensis	Canary Island date palm
*Pholistoma auritum**	Blue fiestaflower
*Phoradendron leucarpum subsp. tomentosum**	Mistletoe
Pinus sp.	Pine
Plantago lanceolata	English plantain
Plantago major	Common plantain
*Platanus racemosa**	Western sycamore (California sycamore)

Scientific Name	Common Name
Poa annua	Annual blue grass
Polycarpon tetraphyllum var. tetraphyllum	Four leaved allseed
Polygonum aviculare	Prostrate knotweed
Polypogon monspeliensis	Annual beard grass
Polypogon viridis	Water beard grass
*Populus fremontii subsp. fremontii**	Fremont cottonwood
*Prunus ilicifolia**	Holly leaf cherry
*Prunus ilicifolia subsp. ilicifolia**	Holly-leafed cherry
*Prunus ilicifolia subsp. lyonii**	Catalina Cherry
*Pseudognaphalium biolettii**	Two-color rabbit-tobacco
*Pseudognaphalium californicum**	Ladies' tobacco
Pseudognaphalium luteoalbum	Jersey cudweed
*Pseudognaphalium microcephalum**	Wright's cudweed
*Quercus agrifolia var. agrifolia**	California live oak
*Rafinesquia californica**	California chicory
Raphanus sativus	Cultivated radish
*Rhamnus crocea**	Spiny redberry
*Rhus integrifolia**	Lemonade berry
*Ribes amarum var. hoffmannii** [3]	Bitter gooseberry
*Ribes californicum**	California gooseberry
*Ribes speciosum**	Fuchsia flowered gooseberry
Ricinus communis	Castor bean
*Rosa californica**	California wild rose
*Rubus ursinus**	California blackberry
Rumex conglomeratus	Clustered dock
*Salix laevigata**	Red Willow
*Salix lasiolepis**	Arroyo willow
*Salvia spathacea**	Hummingbird sage
*Sambucus nigra subsp. caerulea**	Blue Elderberry
Schinus molle	Peruvian pepper
*Scrophularia californica**	California bee plant
Silene gallica	Small-flower catchfly
*Silene laciniata subsp. laciniata**	Mexican Pink
Silybum marianum	Blessed milkthistle
Sisymbrium irio	London rocket

Scientific Name	Common Name
Sisymbrium officinale	Hedge mustard
*Solanum douglasii**	Douglas' nightshade
Solanum xanti	Chaparral nightshade
*Solidago velutina subsp. californica**	California goldenrod
Sonchus asper subsp. asper	Prickly Sow Thistle
Sonchus oleraceus	Common sow thistle
Spergularia rubra	Purple sand spurry
*Stachys bullata**	California hedge nettle
Stellaria media	Chickweed
Stipa miliacea var. miliacea	Smilo grass
*Symphoricarpos mollis**	Creeping snowberry
Taraxacum officinale	Common dandelion
Tecomaria capensis	Cape honeysuckle
*Thalictrum fendleri**	Fendler's meadow rue
Torilis arvensis	Field hedge parsley
*Toxicodendron diversilobum**	Poison oak
Trifolium repens	White clover
Tropaeolum majus	Garden nasturtium
*Umbellularia californica**	Bay laurel
Urospermum picroides	Bristly tail seed
*Venegasia carpesioides**	Canyon sunflower
Veronica anagallis-aquatica	Water speedwell
Vicia sativa subsp. sativa	Spring vetch
Vinca major	Bigleaf periwinkle
*Xanthium strumarium**	Rough cockleburr
Yucca gigantea	Spineless yucca

* - native
1- CRPR 4.3
2 - CRPR 1B.2
3 - CRPR 3

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Appendix C- Wildlife Species Compendium

Scientific Name	Common Name
*Aphelocoma californica**	California scrub-jay
*Armadillidium vulgare**	common pill woodlouse
*Baeolophus inornatus**	oak titmouse
*Batrachoseps nigriventris**	black-bellied slender salamander
*Cardellina pusilla**	Wilson's warbler
*Chamaea fasciata**	wrentit
*Colaptes auratus**	northern flicker
*Corvus brachyrhynchos**	American crow
*Crotalus oreganus helleri**	southern Pacific rattlesnake
*Danaus plexippus** [1 2]	monarch butterfly
*Empidonax difficilis**	Pacific-slope flycatcher
*Haemorhous mexicanus**	house finch
*Icterus cucullatus**	hooded oriole
*Junco hyemalis**	dark-eyed junco
*Melanerpes formicivorus**	acorn woodpecker
*Melospiza melodia**	song sparrow
*Melozone crissalis**	California towhee
*Papilio rutulus**	Western tiger swallowtail
*Passer domesticus**	house sparrow
*Patagioenas fasciata**	band-tailed pigeon
*Pheucticus melanocephalus**	black-headed grosbeak
*Piers rapae**	cabbage white
*Pipilo maculatus**	spotted towhee
*Psaltriparus minimus**	bushtit
*Pseudacris hypochondriaca**	Baja California tree frog
*Selasphorus sasin**	Allen's hummingbird
*Sitta carolinensis**	white-breasted nuthatch
*Spinus psaltria**	lesser goldfinch
Streptopelia decaocto	Eurasian collared dove

Scientific Name	Common Name
*Thryomanes bewickii**	Bewick's wren
*Troglodytes aedon**	house wren
*Turdus migratorius**	American robin
*Vireo huttoni**	Hutton's vireo
*Zenaida macroura**	mourning dove

* - Native
1 - IUCN Endangered
2 - Federal candidate

SUMMITWEST
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Appendix D- Potential to Occur Tables

Table 1. Occurrence Potential for Sensitive Status Plants within Stevens Park

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Abronia maritima	red sand-verbena	CRPR 4.2	Coastal dunes. 0–330 feet.	Feb-Dec	**Does not Occur**. Suitable habitat does not occur in the Project area.
Amsinckia douglasiana	Douglas' fiddleneck	CRPR 4.2	Unstable shaley sedimentary slopes in cismontane woodland, and valley and foothill grasslands. 0–6400 feet.	Mar-May	**Unlikely**. No plants found during surveys. Suitable habitat is borderline and minimal. Closest historic observation ~5 miles away is from >20 years ago.
Anomobryum julaceum	slender silver moss	CRPR 4.2	Damp rock and soil on outcrops, usually on roadcuts, in broadleaf and conifer forests. 330–3280 feet.	N/A	**Does not occur**. Site is outside the known elevation range of this species.
Arctostaphylos refugioensis	Refugio manzanita	CRPR 1B.2	Sandstone outcrops in chaparral. 900–2690 feet.	Dec-Mar	**Does not Occur**. No plants found during surveys. Site is below the known elevation range of the species.
Astragalus didymocarpus var. milesianus	Miles' milkvetch	CRPR 1B.2	Grassy areas near coast, coastal scrub with clay soils. 65–295 feet.	Mar-Jun	**Unlikely**. No plants found during surveys. Suitable habitat exists on site. Closest occurrence to site ~8 miles away and from >20 years ago.
Atriplex coulteri	Coulter's saltbush	CRPR 1B.2	Alkaline or clay soils, open sites, scrub, coastal bluff scrub. 10–1510 feet.	Mar-Oct	**Unlikely**. No plants found during surveys. Minimal suitable habitat exists on site. Only nearby occurrences document <20 years ago ~7 miles away.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Atriplex serenana var. davidsonii	Davidson's saltscale	CRPR 1B.2	Coastal bluff scrub and coastal scrub. 35–655 feet.	Apr-Oct	**Unlikely**. No plants found during surveys. Minimal suitable habitat exists on site. Closest occurrence to site ~3 miles away and from >20 years ago.
Baccharis plummerae ssp. plummerae	Plummer's baccharis	CRPR 4.3	Broadleaved upland forests, cismontane woodlands, chaparral, and coastal scrub. 15–1395 feet.	May-Oct	**Present**. Species mapped during surveys.
Calandrinia breweri	Brewer's calandrinia	CRPR 4.2	Sandy to loamy soil, disturbed sites and burns in chaparral and coastal scrub. 35–4005 feet.	Mar-Jun	**Unlikely**. No plants found during surveys. Suitable habitat exists. May germinate after fires. Historic observation near site >20 years old.
Calochortus catalinae	Catalina mariposa lily	CRPR 4.2	Heavy soils in grasslands or open coastal scrub, chaparral, and cismontane woodlands. 50–2295 feet.	Mar-Jun	**Likely**. No plants found during surveys. Suitable habitat exists on site. Plants documented this year <2 miles away.
Calochortus fimbriatus	late-flowered mariposa-lily	CRPR 1B.3	Dry, open coastal woodlands and chaparral. 900–6250 feet.	Jun-Aug	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily	CRPR 1B.2	Meadows and vernally moist places in yellow-pine forest and chaparral. 2330–7840 feet.	Apr-Jul	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Calystegia sepium ssp. binghamiae	Santa Barbara morning-glory	CRPR 1A	Coastal marshes and riverbanks. 15–15 feet.	Aug	**Does not Occur**. No plants found during surveys. Marginal suitable habitat. Presumed extinct.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Centromadia parryi ssp. australis	southern tarplant	CRPR 1B.1	Salt marshes, vernal pools, and vernally mesic coastal scrub and grasslands. 0–1575 feet.	May-Nov	**Does not Occur**. No plants found during surveys. No suitable habitat exists on site.
Cercocarpus betuloides var. blancheae	island mountain mahogany	CRPR 4.3	Chaparral. 100–1970 feet.	Feb-May	**Unlikely**. No plants found during surveys. Suitable habitat exists on site. Nearest observation >20 years old from ~6 miles away.
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	FE, SE, CRPR 1B.2	Coastal salt marsh. 0–100 feet.	May-Oct	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Chorizanthe palmeri	Palmer's spineflower	CRPR 4.2	Serpentine in grasslands, chaparral, and cismontane woodlands. 180–3100 feet.	Apr-Aug	**Does not Occur**. No plants found during surveys. No suitable habitat on site. Only a single historic observation from this area, which is most likely a misidentification.
Clinopodium mimuloides	monkey-flower savory	CRPR 4.2	Moist places and streambanks in chaparral and woodlands. 1000–5905 feet.	Jun-Oct	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Convolvulus simulans	small-flowered morning-glory	CRPR 4.2	Clay substrates in annual grassland, coastal-sage scrub, and chaparral. 100–2430 feet.	Mar-Jul	**Unlikely**. No plants found during surveys. Suitable habitat exists on site. Nearest observation ~8 miles away and observed >20 years ago.
Cryptantha rattanii	Rattan's cryptantha	CRPR 4.3	Rocky, gravelly slopes (often granitic) in grassland, coastal scrub, chaparral, and foothill woodlands. 805–3000 feet.	Apr-Jul	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Deinandra paniculata	paniculate tarplant	CRPR 4.2	Grassland, open chaparral and woodlands, and disturbed areas, often in sandy soils. 80–3085 feet.	Apr-Nov	**Unlikely**. No plants found during surveys. Suitable habitat exists on site. Only a single observation known from the Santa Barbara area ~2 miles away and >20 years old.
Delphinium umbraculorum	umbrella larkspur	CRPR 1B.3	Moist oak forest and chaparral. 1310–5250 feet.	Apr-Jun	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Erigeron sanctarum	saints daisy	CRPR 4.2	Sandy sites in coastal scrub and woodland. 245–1150 feet.	Mar-Jul	**Unlikely**. No plants found during surveys. Marginal habitat exists on site. Nearest observation ~4 miles away and observed >20 years ago.
Fritillaria ojaiensis	Ojai fritillary	CRPR 1B.2	Rocky slopes and river basins in chaparral, forests, and woodlands. 740–3275 feet.	Feb-May	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Galium cliftonsmithii	Santa Barbara bedstraw	CRPR 4.3	Coastal canyons, dry banks, chaparral, and cismontane woodlands. 655–4005 feet.	May-Jul	**Unlikely**. No plants found during surveys. Marginal habitat exists on site. Nearest observation ~2 miles away and observed 5 years ago.
Gilia ochroleuca ssp. lanosa	Sisquoc gilia	CRPR 4.3	Sandy soils (rarely gravel) within in chaparral, oak woodlands, and openings in pinyon pine forests. 1475–4855 feet.	Mar-Aug	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Hordeum intercedens	vernal barley	CRPR 3.2	Dry saline streambeds, alkaline flats, and vernal pools. 15–3280 feet.	Mar-Jun	**Does not Occur**. No plants found during surveys. No suitable habitat on site.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Horkelia cuneata var. puberula	mesa horkelia	CRPR 1B.1	Dry, sandy, coastal chaparral, coastal scrub, and cismontane woodlands. 230–2660 feet.	Feb-Jul	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~2 miles away and observed > 20 years ago.
Juglans californica	Southern California black walnut	CRPR 4.2	Coastal scrub, chaparral, and woodlands. 165–2955 feet.	Mar-Jun	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~3 miles away observed this year.
Juncus acutus ssp. leopoldii	southwestern spiny rush	CRPR 4.2	Moist saline places, salt marshes, and alkaline seeps. 10–2955 feet.	May-Jun	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Juncus luciensis	Santa Lucia dwarf rush	CRPR 1B.2	Wet, sandy soils of seeps, meadows, vernal pools, streams, and roadsides. 985–6695 feet.	Apr-Jul	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Lasthenia conjugens	Contra Costa goldfields	FE, CRPR 1B.1	Vernal pools and wet meadows. 0–1540 feet.	Mar-Jun	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	CRPR 1B.1	Saline places and vernal pools. 5–4005 feet.	Feb-Jun	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Layia heterotricha	pale-yellow layia	CRPR 1B.1	Open clayey or sandy soil in grasslands, coastal scrub, cismontane woodlands, and pinyon and juniper woodlands. 985–5595 feet.	Mar-Jun	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Lepechinia fragrans	fragrant pitcher sage	CRPR 4.2	Chaparral. 65–4300 feet.	Mar-Oct	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~6 miles away and observed 3 years ago.
Lilium humboldtii ssp. ocellatum	ocellated Humboldt's lily	CRPR 4.2	Oak canyons, chaparral, and yellow-pine forest. 100–5905 feet.	Mar-Jul	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~1 mile away and >20 years old.
Lonicera subspicata var. subspicata	Santa Barbara honeysuckle	CRPR 1B.2	Chaparral. 35–3280 feet.	May-Aug	**Present**. Species mapped during surveys.
Malacothrix saxatilis var. arachnoidea	Carmel Valley malacothrix	CRPR 1B.2	Rocky, open banks, shale outcrops, and cliff faces in coastal scrub and chaparral. 80–3400 feet.	Jun-Dec	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~10 miles away and 5 years old.
Malacothrix saxatilis var. saxatilis	Cliff malacothrix	CRPR 4.2	On flats or in crevices on coastal bluff. 10–655 feet.	Mar-Dec	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Monardella hypoleuca ssp. hypoleuca	white-veined monardella	CRPR 1B.3	Oak woodlands and chaparral. 165–5005 feet.	Jun-Aug	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~3 miles away and found this year.
Mucronea californica	California spineflower	CRPR 4.2	Sandy areas in dunes, chaparral, coastal scrub, grasslands, and cismontane woodlands. 0–4595 feet.	Mar-Jul	**Unlikely**. No plants found during surveys. Marginal habitat on site. Nearest observation ~2 miles away and >20 years old.
Nasturtium gambelii	Gambel's water cress	FE, ST, CRPR 1B.1	Marshes, streambanks, and lake margins. 15–1085 feet.	Apr-Oct	**Unlikely**. No plants found during surveys. Marginal habitat on site. Not documented near Santa Barbara since the 1800s.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Pelazoneuron puberulum var. sonorensis	Sonoran maiden fern	CRPR 2B.2	Along streams and seepage areas. 165–2000 feet.	N/A	**Unlikely**. No plants found during surveys. Marginal habitat on site. Nearest observation ~2 miles away and 3 years old.
Phacelia hubbyi	Hubby's phacelia	CRPR 4.2	Open, gravelly or rocky slopes in chaparral, coastal scrub, and grasslands. 0–3280 feet.	Apr-Jun	**Likely**. No plants found during surveys. Suitable habitat on site. Nearest observation ~2 miles away and 3 years old.
Piperia michaelii	Michael's rein orchid	CRPR 4.2	Generally dry sites in coastal scrub, woodlands, and mixed-evergreen or closed-cone-pine forests. 10–3000 feet.	Apr-Aug	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest recent observation ~3 miles away and 3 years old.
Pleuridium mexicanum	Mexican earthmoss	CRPR 2B.1	Sandstone in chaparral. 1445–1445 feet.	N/A	**Does not Occur**. No plants found during surveys. Site well outside elevation range for where the species is known in CA.
Quercus dumosa	Nuttall's scrub oak	CRPR 1B.1	Generally sandy soils near the coast and on sandstone in chaparral and coastal-sage scrub. 50–1310 feet.	Feb-Mar	**Unlikely**. No plants found during surveys. Marginal habitat on site. Nearest purported observations ~1 mile away and 5 years old. Taxonomically problematic and with hybrids.
Ribes amarum var. hoffmannii	Hoffmann's bitter gooseberry	CRPR 3	Chaparral and riparian woodlands. 15–3905 feet.	Mar-Apr	**Present**. Species mapped during surveys.
Sanicula hoffmannii	Hoffmann's sanicle	CRPR 4.3	Coastal scrub, coastal bluff scrub, chaparral, woodlands, and forests. 100–985 feet.	Mar-May	**Unlikely**. No plants found during surveys. Suitable habitat on site. Nearest recent observation ~3 miles away and observed this year. Historically observed ~1.5 miles away.

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
Scrophularia atrata	black-flowered figwort	CRPR 1B.2	Calcium- and diatom-rich soils in coastal dunes, coastal scrub, riparian scrub, chaparral, and closed-cone coniferous forests. 35–1640 feet.	Mar-Jul	**Does not Occur**. No plants found during surveys. No suitable habitat on site. CNNDB notes IDs of specimens from the Santa Barbara area are questionable and need to be checked. *S. californica* found in park.
Senecio astephanus	San Gabriel ragwort	CRPR 4.3	Steep rocky slopes in chaparral, coastal-sage scrub, and oak woodlands. 1310–4920 feet.	May-Jul	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.
Suaeda esteroa	estuary seablite	CRPR 1B.2	Coastal salt marshes. 0–15 feet.	May-Oct	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Suaeda taxifolia	Woolly seablite	CRPR 4.2	Coastal bluffs and margins of salt marshes. 0–165 feet.	Jan-Dec	**Does not Occur**. No plants found during surveys. No suitable habitat on site.
Thermopsis macrophylla	Santa Ynez false lupine	CRPR 1B.3	Disturbed, granitic, and sandy areas in chaparral. 1395–4595 feet.	Apr-Jun	**Does not Occur**. No plants found during surveys. Site well outside elevation range for the species.

[1]FE- Federally Endangered; FT- Federally Threatened; SE- State Endangered; ST- State Threatened
California Rare Plant Ranking (CRPR):
1A- Presumed extinct in California and rare/extinct elsewhere
1B.1- Rare, threatened, or endangered in California and elsewhere; seriously threatened in California
1B.2- Rare, threatened, or endangered in California and elsewhere; fairly threatened in California
1B.3- Rare, threatened, or endangered in California and elsewhere; not very threatened in California
2B.1- Rare, threatened, or endangered in California, but more common elsewhere; seriously threatened in California
3.2- Need more information; fairly threatened in California
4.2- Limited distribution; fairly threatened in California

Scientific Name	Common Name	Status[1]	Habitat	Bloom Window	Potential to Occur/Rationale
4.3- Limited distribution; not very threatened in California					

Table 2. Occurence Potential for Sensitive Status Wildlife Species within Stevens Park

Scientific Name	Common Name	Status[2]	Potential to Occur and Rationale
Birds			
Accipiter cooperii	Cooper's hawk	WL	**Likely** – Suitable habitat in wooded areas in a suburban setting, with some edge habitat. Prefers more open areas.
Accipiter striatus	sharp-shinned hawk	WL	**Unlikely** – Suitable habitat is minimal; prefers relatively more densely wooded habitat. Breeds mostly in more coniferous habitats.
Agelaius tricolor	tricolored blackbird	ST, SSC	**Does Not Occur** – No suitable habitat present.
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow	WL	**Unlikely** – Suitable habitat is minimal/not present, but there is one record in 2013 and known to occur regularly within 5 miles.
Ammodramus savannarum	grasshopper sparrow	SSC	**Does Not Occur** – No suitable habitat present.
Aquila chrysaetos	golden eagle	FP, WL	**Does Not Occur** – No suitable habitat present.
Artemisiospiza belli belli	Bell's sparrow	WL	**Does Not Occur** – No suitable habitat present.
Athene cunicularia	burrowing owl	SSC	**Does Not Occur** – No suitable habitat present.
Branta bernicla	brant	SSC	**Does Not Occur** – No suitable habitat present.
Buteo swainsoni	Swainson's hawk	ST	**Does Not Occur** – No suitable habitat present; would only flyover.
Cerorhinca monocerata	rhinoceros auklet	WL	**Does Not Occur** – No suitable habitat present.
Chaetura vauxi	Vaux's swift	SSC	**Unlikely** – No breeding habitat; would only potentially be foraging over park as it migrates through.
Charadrius nivosus nivosus	western snowy plover	FT, SSC	**Does Not Occur** – No suitable habitat present.

Scientific Name	Common Name	Status[2]	Potential to Occur and Rationale
Circus hudsonius	northern harrier	SSC	**Does Not Occur** – No suitable habitat present. They use grasslands, farmlands, marshes, and other open landscape habitats.
Cistothorus palustris clarkae	Clark's marsh wren	SSC	**Does Not Occur** – No suitable habitat present. Outside the known range.
Contopus cooperi	olive-sided flycatcher	SSC	**Does Not Occur** – No suitable habitat present.
Coturnicops noveboracensis	yellow rail	SSC	**Does Not Occur** – No suitable habitat present.
Elanus leucurus	white-tailed kite	FP	**Does Not Occur** – No suitable habitat present.
Empidonax traillii	willow flycatcher	SE	**Unlikely** – Prefers more dense riparian vegetation.
Empidonax traillii extimus	southwestern willow flycatcher	FE, SE	**Unlikely** – Prefers more dense riparian vegetation.
Eremophila alpestris actia	California horned lark	WL	**Does Not Occur** – No suitable habitat present.
Falco columbarius	merlin	WL	**Unlikely** – Suitable habitat minimal; prefers open areas, forest openings and grasslands.
Falco mexicanus	prairie falcon	WL	**Does Not Occur** – No suitable habitat present.
Falco peregrinus anatum	American peregrine falcon	FD, SD, FP	**Likely** – Potentially suitable habitat with wooded riparian habitat near the coast, and may use tall trees to perch. Known to occur and breed within 5 miles.
Gavia immer	common loon	SSC	**Does Not Occur** – No suitable habitat present.
Gymnogyps californianus	California condor	FE, SE, FP	**Does Not Occur** – No suitable habitat present.
Icteria virens	yellow-breasted chat	SSC	**Likely** – Suitable habitat in the denser riparian thickets.
Larus californicus	California gull	WL	**Does Not Occur** – No suitable habitat present.

Scientific Name	Common Name	Status[2]	Potential to Occur and Rationale
Laterallus jamaicensis coturniculus	California black rail	ST, FP	**Does Not Occur** – No suitable habitat present.
Nannopterum auritum	double-crested cormorant	WL	**Does Not Occur** – No suitable habitat present.
Numenius americanus	long-billed curlew	WL	**Does Not Occur** – No suitable habitat present.
Pandion haliaetus	osprey	WL	**Does Not Occur** – No suitable habitat present; would only flyover.
Passerculus sandwichensis beldingi	Belding's savannah sparrow	SE	**Does Not Occur** – No suitable habitat present.
Pelecanus occidentalis californicus	California brown pelican	FD, SD, FP	**Does Not Occur** – No suitable habitat present.
Plegadis chihi	white-faced ibis	WL	**Does Not Occur** – No suitable habitat present.
Rallus obsoletus levipes	light-footed Ridgway's rail	FE, SE, FP	**Does Not Occur** – No suitable habitat present.
Riparia riparia	bank swallow	ST	**Does Not Occur** – Typically inhabits areas near bodies of water for foraging over, with large sand banks for colonial nesting.
Rynchops niger	black skimmer	SSC	**Does Not Occur** – No suitable habitat present.
Sternula antillarum browni	California least tern	FE, SE, FP	**Does Not Occur** – No suitable habitat present.
Strix occidentalis occidentalis	California spotted owl	SSC	**Does Not Occur** – No suitable habitat present.
Thalasseus elegans	elegant tern	WL	**Does Not Occur** – No suitable habitat present.
Vireo bellii pusillus	least Bell's vireo	FE, SE	**Unlikely** – Suitable habitat is minimal/not present; prefers dense thickets but riparian habitat in the park is not dense in most places and has little understory.

Scientific Name	Common Name	Status[2]	Potential to Occur and Rationale
Amphibians			
Anaxyrus californicus	arroyo toad	FE, SSC	**Unlikely** – Suitable habitat limited; some areas of the stream have sandy terraces but not a lot. Prefers larger streams with sandy substrate and large sandy terraces.
Rana boylii pop. 6	foothill yellow-legged frog - south coast DPS	FPE, SE	**Does Not Occur** – CNDDB records over 50 years old, and populations are noted as extirpated.
Rana draytonii	California red-legged frog	FT, SSC	**Does Not Occur** – CNDDB records within 3 miles are over 100 years old, and within 6-quads are not within the San Roque Creek watershed.
Spea hammondii	western spadefoot	SSC	**Does Not Occur** – No suitable habitat present.
Taricha torosa	Coast Range newt	SSC	**Unlikely** – Suitable habitat is limited. Prefers areas in and around larger, more permanent streams with pools.
Target Sensitive Reptiles			
Anniella pulchra	Northern California legless lizard	SSC	**Likely** - Relatively loose soils with substantial leaf litter/debris, mixed woodlands /riparian and shrubland.
Anniella spp.	California legless lizard	SSC	**Likely** - Relatively loose soils with substantial leaf litter/debris, mixed woodlands /riparian and shrubland.
Aspidoscelis tigris stejnegeri	coastal whiptail	SSC	**Does Not Occur** – No suitable habitat present.
Emys marmorata	western pond turtle	SSC	**Does Not Occur** – No suitable habitat present.
Phrynosoma blainvillii	coast horned lizard	SSC	**Does Not Occur** – No suitable habitat present.

Scientific Name	Common Name	Status[2]	Potential to Occur and Rationale
Salvadora hexalepis virgultea	coast patch-nosed snake	SSC	**Unlikely** – Suitable habitat is limited; prefers more arid, less dense scrub.
Thamnophis hammondii	two-striped gartersnake	SSC	**Unlikely** – Suitable habitat is limited; prefers more wetland habitats and permanent riparian habitat.
Thamnophis sirtalis pop. 1	south coast gartersnake	SSC	**Likely** – Suitable habitat present in rocky stream with dense vegetation surrounding, which provides food availability.
Invertebrates			
Bombus caliginosus	obscure bumble bee	IUCN: VU	**Does Not Occur** – No suitable habitat; prefers coastal grasslands with substantial Asteraceae and Fabaceae.
Bombus crotchii	Crotch bumble bee	SCE	**Does Not Occur** – No suitable habitat; prefers grasslands and scrub, with substantial Asteraceae, Fabaceae, and Lamiaceae.
Bombus pensylvanicus	American bumble bee	IUCN: VU	**Does Not Occur** – No suitable habitat; prefers grasslands with more flowering plants in the Fabaceae and Asteraceae.
Coelus globosus	globose dune beetle	IUCN: VU	**Does Not Occur** – No suitable habitat present.
Danaus plexippus plexippus pop. 1	monarch - California overwintering population	FC	**Present** – Milkweed present and eucalyptus available in surrounding areas; at least 1 adult individual observed.
Haliotis kamtschatkana	pinto abalone	IUCN: EN	**Does Not Occur** – No suitable habitat present.
Fish			
Eucyclogobius newberryi	tidewater goby	FE	**Does Not Occur** – No suitable habitat present.
Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	FE, SC	**Does Not Occur** – No suitable habitat present.

Scientific Name	Common Name	Status[2]	Potential to Occur and Rationale
Mammals			
Antrozous pallidus	pallid bat	SSC	**Does Not Occur** – No suitable habitat present.
Bassariscus astutus octavus	southern California ringtail	FP	**Does Not Occur** – No suitable habitat present.
Corynorhinus townsendii	Townsend's big-eared bat	SSC	**Does Not Occur** – No suitable habitat present.
Enhydra lutris nereis	southern sea otter	FT, FP	**Does Not Occur** – No suitable habitat present.
Eumops perotis californicus	western mastiff bat	SSC	**Does Not Occur** – No suitable habitat present.
Lasiurus frantzii	western red bat	SSC	**Likely** – Wooded riparian habitat; roosts in tree foliage of broadleaf trees such as oaks, cottonwoods, etc.
Neotoma lepida intermedia	San Diego desert woodrat	SSC	**Does Not Occur** – No suitable habitat present.
Nyctinomops macrotis	big free-tailed bat	SSC	**Does Not Occur** – No suitable habitat present. Typically inhabits rocky habitats in arid landscapes.

[2]FE- Federally Endangered; FT- Federally Threatened; FD- Federally Delisted; FC- Federally Candidate; FPE- Federally Proposed Endangered;
SE- State Endangered; ST- State Threatened; SD- State Delisted; SC- State Candidate;
SSC- California Department of Fish and Wildlife Species of Special Concern; WL- Watchlist; FP- Fully Protected;
IUCN: VU- International Union for the Conservation of Nature Vulnerable; IUCN: EN- International Union for the Conservation of Nature Endangered