

**SPECIAL-STATUS PLANT REPORT  
2019 AND 2020  
LOS PINOS APARTMENTS  
3496 SANTA ROSA AVENUE  
SANTA ROSA, CA**

**ADDENDUM TO BIOLOGICAL ASSESSMENT  
PREPARED BY  
WIEMEYER ECOLOGICAL SCIENCES  
AUGUST 2, 2019**

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June 15, 2020

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## 1.0 INTRODUCTION

This report presents the results of the requisite two-years of protocol plant surveys to determine the possible presence of special-status plants at 3496 Santa Rosa Avenue (APN: 134-132-015; 2.49 ac), Santa Rosa, CA (hereafter referred to as Site). This report is an addendum to the Biological Assessment prepared by Wiemeyer Ecological Sciences dated August 2, 2019 (WES 2019)<sup>1</sup> and provides the results of the special-status plant surveys conducted in 2019 and 2020.

The habitats at the Site consist of scattered seasonal wetlands in a mosaic of non-native upland grasses with scattered trees primarily along the southern and eastern boundary of the Site. There are scattered structures located on western third of the Site. The eastern approximately two-thirds of the Site has been subject to annual mowing.

Field surveys to determine the presence/absence of special-status plants at the Site were conducted on April 9, April 26 and May 6, 2019 and April 2, April 26 and May 28, 2020. The surveys were conducted following the U.S. Fish and Wildlife Service protocols<sup>2</sup> and the California Department of Fish and Wildlife protocols<sup>3</sup>.

Surveys to determine the presence and approximate boundaries of jurisdictional wetlands were conducted on June 27 and July 1, 2019 using the routine on-site determination methodology as specified in the *Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory 1987), and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Version (Version 2.0)* (Arid West Manual). The wetland status of the plant encountered at each sample point during the field survey was determined using the *State of California 2016 Wetland Plant List*.

The three federally endangered plant species that occur in seasonal wetland/vernal pool habitat, Burke's goldfields (*Lasthenia burkei*), Sonoma sunshine (*Blennosperma bakeri*) and Sebastopol meadowfoam (*Limnanthes vinculans*), were not observed at the Site during the 2019 and 2020 protocol plant surveys. The only special-status plant species observed during the plant surveys was Lobb's aquatic buttercup (*Ranunculus lobbii*), which is a CNPS List 4.2 plant but is not listed pursuant to either the Federal Endangered Species Act or California Endangered Species Act.

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<sup>1</sup> Wiemeyer Ecological Services (WES). 2019. Biological Assessment. Los Pinos Apartments, 3496 Santa Rosa Avenue, Santa Rosa, CA. Prepared for Eliseo Alexander Diaz Santana, 5885 Mountain Hawk Drive, Santa Rosa, CA 95409. Prepared by Daren Wiemeyer, Wiemeyer Ecological Sciences, 4000 Montgomery Drive, Suite L-5, Santa Rosa, CA 95405. August 2, 2019.

<sup>2</sup> Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed Plants on the Santa Rosa Plain. Modified from the September 23, 1996 Service Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed and Candidate Plants.

<sup>3</sup> California Department of Fish and Wildlife (CDFW). Protocols for surveying and evaluating impacts to special status native plant populations and sensitive natural communities. March 20, 2018.

## 2.0 SITE LOCATION AND DESCRIPTION

The 2.49-acre Site is located at 3496 Santa Rosa Avenue in Santa Rosa, CA (APN 134-132-015) (Figure 1; figures presented in this report are from WES 2019 and are presented at the end of this report). The western third of the Site supports several structures, including an uninhabitable single-family home, which was recently burned down.

The undeveloped parts of the Site have been subject to varying levels of disturbance, including old pavement and compacted gravel in the western third of the Site, and annual mowing of the eastern approximately two-thirds of the Site.

Surrounding land uses include fallow agricultural land to the north, the Bellevue Flood Control Channel and agricultural land to the east, a self-storage facility to the south and Santa Rosa Avenue and several commercial properties to the west.

The Site is relatively flat with approximately one to two-foot variation in elevation across the Site (Figure 2). Surface water appears to generally flow south into a long seasonal wetland swale located along the southern edge of the Site. Surface water ponds in this seasonal wetland swale and during the winter when ponded water appears to flow west along the southern boundary of the Site into an existing storm drain located at the southwest corner of the Site.

The soils mapped at the Site include Wright loam, shallow, wet, 0 to 2% slopes (WoA) and Clear Lake clay, sandy substratum, drained, 0 to 2 percent slopes (CeA) (Figure 3). The Wright soil is the dominant soil type mapped for the Site covering approximately 80% of the western end of the Site. This soil type consists of deep, somewhat poorly drained soils formed in alluvium from mixed rock sources. The Clear Lake soil mapped along the eastern end of the Site. Clear Lake clay soils generally consist of clays that formed under poorly drained conditions. These soils are underlain by alluvium from basic and sedimentary rock (Miller, 1972).<sup>4</sup>

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<sup>4</sup> Miller, V. C. 1972. Soil Survey of Sonoma County, California. U. S. Department of Agriculture, Soil Conservation Service, Santa Rosa. 188 pp.

### 3.0 SURVEY PROTOCOLS

The California Natural Diversity Data Base (CNDDDB, March 2019) was queried for a list of special-status plant species reported for the *Santa Rosa, Mark West Springs, Calistoga, Sebastopol, Two Rock, Healdsburg, Kenwood, Cotati, and Glen Ellen* USGS 7.5-minute quadrangles (nine quad search). The Electronic Inventory of Rare and Endangered Vascular Plants of California (CNPS, March 2019) was queried for a list of special-status plant species reported from the *Santa Rosa, Mark West Springs, Calistoga, Sebastopol, Two Rock, Healdsburg, Kenwood, Cotati, and Glen Ellen* USGS 7.5-minute quadrangles. The results of the data base searches are presented in Appendix A of this report, which is Table 1 in WES (2019) report.

The special-status plant surveys were conducted by Mr. Darren Wiemeyer on April 4, May 14, June 7 and June 27, 2019, and on April 2, April 26 and May 28, 2020. The surveys were conducted following the U.S. Fish and Wildlife Service protocols<sup>5</sup> and the California Department of Fish and Wildlife protocols<sup>6</sup>.

The surveys were conducted at the time of year when rare or endangered species are both "evident" and identifiable, i.e. they were scheduled (1) to coincide with known flowering periods, and/or (2) during periods of phenological development that are necessary to identify special status plant species. A meandering pattern was walked through each habitat to ensure that all areas were viewed.

Federally listed plant species reference site surveys were performed at several locations in the Santa Rosa Plain in 2019 and 2020. Table 1 lists the dates that reference sites were visited, the reference sites visited and the species in flower at the reference site at the time of the visit.

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<sup>5</sup> Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed Plants on the Santa Rosa Plain. Modified from the September 23, 1996 Service Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed and Candidate Plants.

<sup>6</sup> California Department of Fish and Wildlife (CDFW). Protocols for surveying and evaluating impacts to special status native plant populations and sensitive natural communities. March 20, 2018.

Table 1. Survey dates of reference sites and plants in flower at time of site visits.

DATE	REFERENCE SITE	SPECIES IN FLOWER
<b>2019</b>		
March 14, 2019	Alton Lane Mitigation Site	BLBA
April 4, 2019	Alton Lane Mitigation Site	BLBA,
April 16, 2019	Alton Lane Mitigation Site	BLBA, LABU, LIVI
May 13, 2019	Starr Road, Windsor	BLBA
May 14, 2019	Alton Lane Mitigation Site	BLBA, LABU, LIVI
June 5, 2019	Alton Lane Mitigation Site	LABU, LIVI
<b>2020</b>		
March 5, 2020	Starr Road, Windsor	BLBA
March 17, 2020	Alton Lane Mitigation Site	BLBA
April 14, 2020	Alton Lane Mitigation Site	BLBA, LABU, LIVI
April 14, 2020	Piner and Bay Meadow, Santa Rosa	LABU
April 21, 2020	Carinalli-Todd Road Mitigation Bank	BLBA, LABU, LIVI
April 29, 2020	Alton Lane Mitigation Site	BLBA, LABU, LIVI
May 20, 2020	Alton Lane Mitigation Site	LABU
June 5, 2020	Aton Lane Mitigation Site	LABU

Species: LIVI – *Limnanthes vinculins* (Sebastopol meadowfoam)  
 BLBA – *Blennosperma bakeri* (Sonoma sunshine)  
 LABU – *Lasthenia burkei* (Burke's goldfields)

## 4.0 FINDINGS

The rainfall totals during the winter and spring of 2018-2019 (December 2018-May 2019) were well above the long-term average for the Santa Rosa area, but the rainfall in 2019-2020 was approximately 45% below the long-term average rainfall total for that time same period. As a result, the seasonally ponded wetlands dried up earlier than in past years resulting in a compressed flowering season.

Even with the compressed flowering season the endangered vernal pool plants flowered and were easily identifiable at the reference sites and, if present in the vernal pools/seasonal wetland habitat at the Site, would have flowered and been identifiable during the multiple surveys conducted at the Site in 2020.

Habitat types at the Site consist of non-native annual grassland and seasonal wetland. The front portion of the Site has been disturbed from past land use activities and the back field has a history of mowing. There are some trees on the Site primarily along the southern and eastern border of the Site and include silver wattle (*Acacia dealbata*), valley oak (*Quercus lobata*), coast live oak (*Quercus agrifolia*) and Fremont cottonwood (*Populus fremontii*).

The following summary of the more common species observed in each of these vegetation types is presented below is from WES 2019. A list of the plants observed during the 2019 surveys is presented in Appendix B of this report and is Appendix C of the Biological Assessment prepared by Wiemeyer Ecological Sciences (WES 2019). No additional plants no observed during the 2019 surveys were seen during the 2020 surveys.

### 4.1 NON-NATIVE ANNUAL GRASSLAND

Non-native annual grassland is the dominant plant community at the site (Figure 4). This vegetation type is dominated by non-native annual grasses and weedy annual and perennial forbs that have replaced native grasslands as a result of human disturbance, past land uses and agricultural practices.

Dominant plant species in the non-native annual grassland include Italian rye grass (*Festuca perennis*), wild oat (*Avena fatua*), rip-gut brome (*Bromus diandrus*), spring vetch (*Vicia sativa*), hairy cat's ear (*Hypochoeris radicata*), red-stemmed filaree (*Erodium cicutarium*) and chicory (*Cichorium intybus*). Some areas exhibited California oatgrass (*Danthonia californica*), which is a native grass, but it was not dominant at the Site.

### 4.2 SEASONAL WETLAND

A total of 0.30-acres of seasonal wetlands were delineated at the Site. They occur as five separate seasonal wetlands (Figure 4). In general, the three small wetlands located on the western portion of the site consist of non-native species and have been degraded from past land uses. The large wetland along the southern Site boundary and the small wetland to its north contain several native wetland and vernal pool species and appear to be relatively undisturbed.

Dominant plant species in the seasonal wetlands include Italian rye grass, Mediterranean barley (*Hordeum marinum* ssp. *gussoneum*), semaphore grass (*Pleuropogon californicus*), curly doc (*Rumex crispus*), pennyroyal (*Mentha pulegium*) and button celery (*Eryngium aristulatum*).

Additional native vernal pool species observed in the large wetland along the southern Site boundary include brown-headed rush (*Juncus phaeocephalus*), smooth goldfields (*Lasthenia glaberrima*) and Lobb's aquatic buttercup (*Ranunculus lobbii*), which is a CNPS List 4.2 plant.

All of the seasonal wetlands are shallow with short hydro-periods. The deepest portion of the largest wetland along the southern Site boundary was observed to be ponded to a depth of 10 inches. The seasonal wetlands at the Site would be considered suitable habitat for the three federally endangered plant species that are known to occur in vernal pool habitat on the Santa Rosa Plain (Burke's goldfields, Sonoma sunshine and Sebastopol meadowfoam).

#### **4.3 SPECIAL-STATUS PLANTS**

The three federally endangered plant species that occur in seasonal wetland/vernal pool habitat, Burke's goldfields (*Lasthenia burkei*), Sonoma sunshine (*Blennosperma bakeri*) and Sebastopol meadowfoam (*Limnanthes vinculans*), were not observed at the Site during the 2019 and 2020 protocol plant surveys. The only special-status plant species observed during protocol-level special-status plant species surveys was Lobb's aquatic buttercup (*Ranunculus lobbii*), which is a CNPS List 4.2 plant. CNPS List 4 special-status plant species are typically not considered "rare" and would not require specific mitigation, only identification of impacts to List 4 species. Past land uses and agricultural activities has greatly diminished the likelihood that additional special-status plant species would occur at the Site.

**FIGURES**

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FIGURE 2. U.S.G.S TOPOGRAPHIC MAP OF SITE..... 9  
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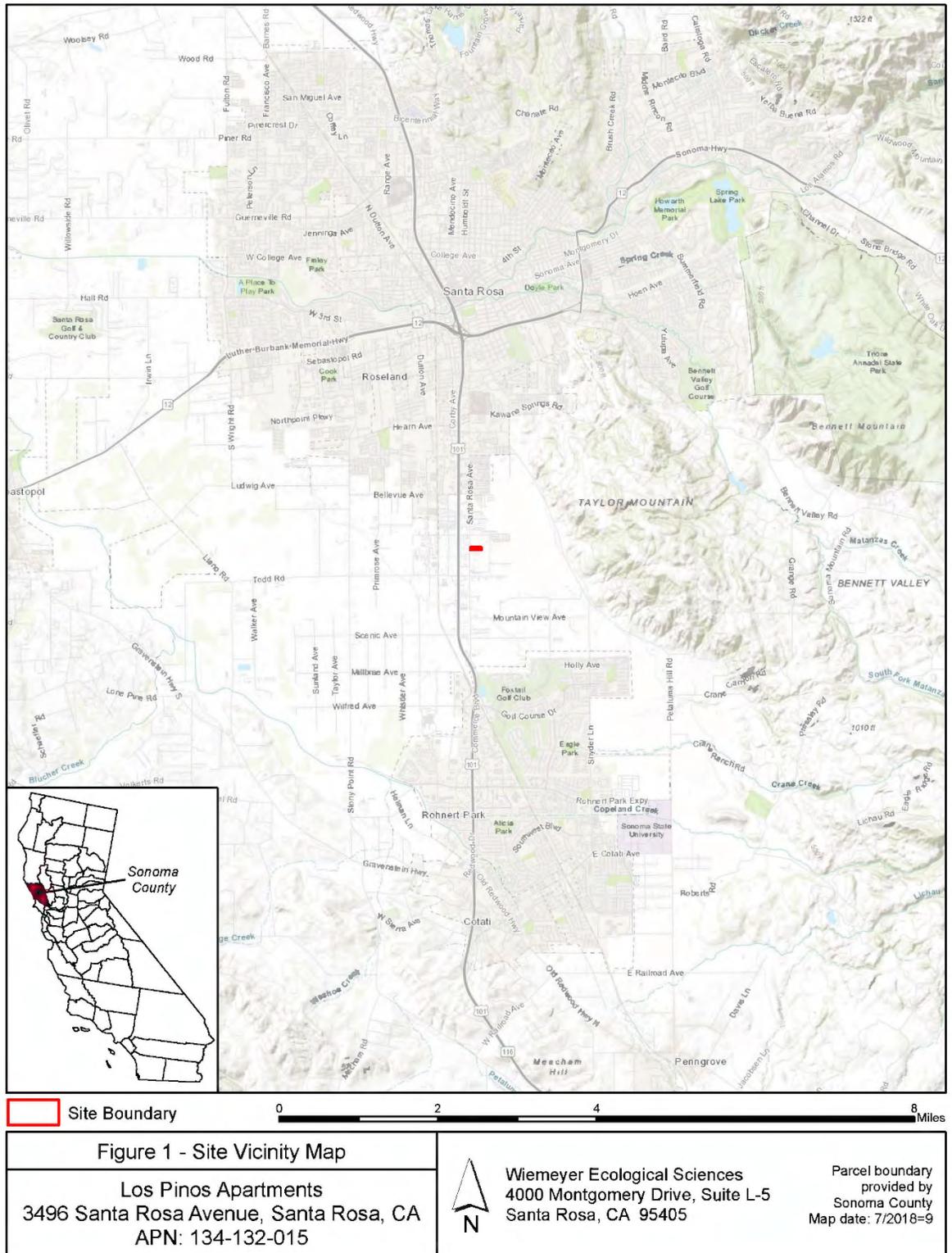


Figure 1. Site vicinity map.

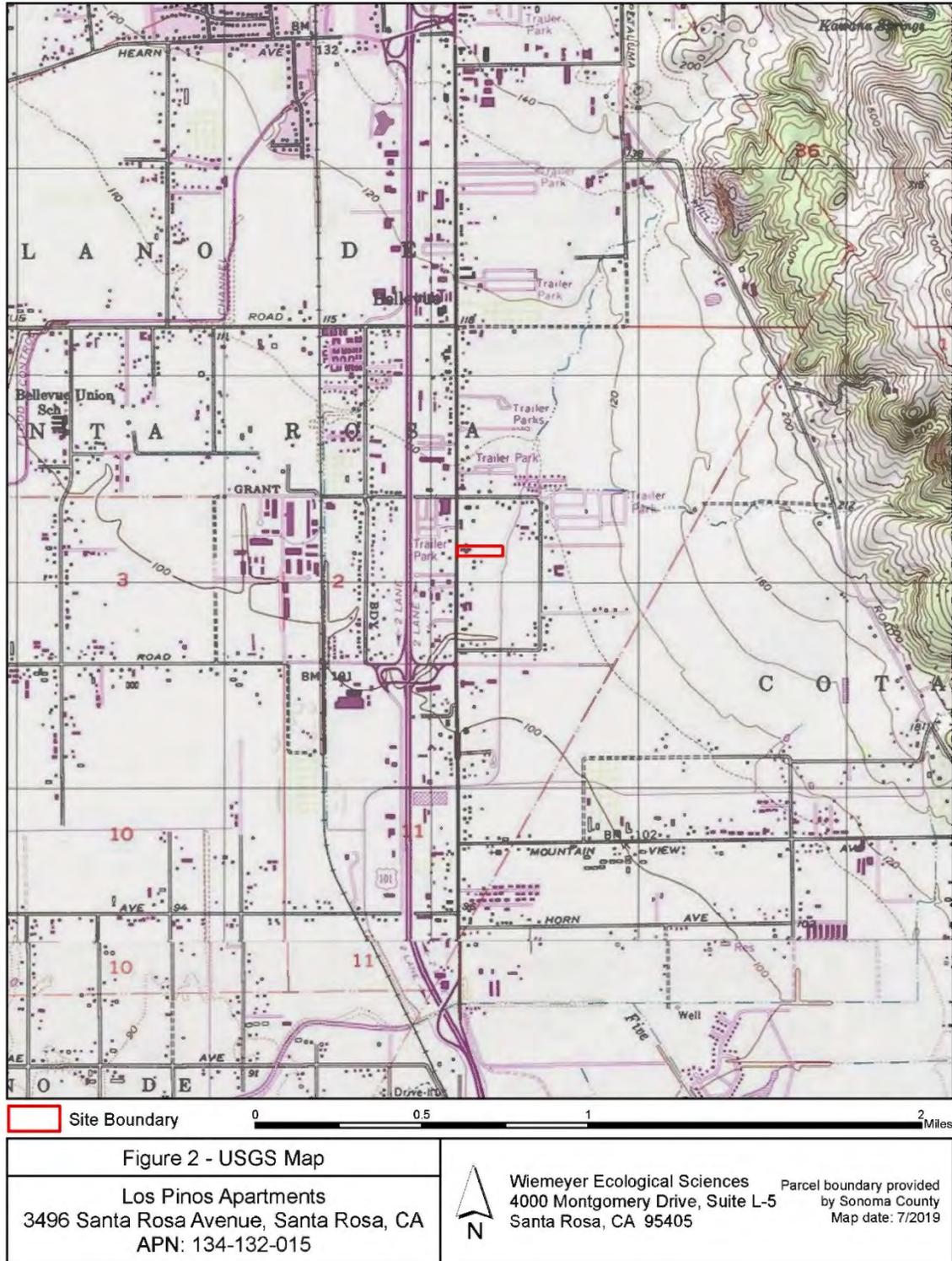


Figure 2. U.S.G.S Topographic map of Site.



Site Boundary
  CeA - Clear Lake clay, sandy substratum, drained, 0 to 2 percent slopes, MLRA 14  
 WoA - Wright loam, shallow, wet, 0 to 2 percent slopes

<b>Figure 3 - Soils Map</b>	
Los Pinos Apartments 3496 Santa Rosa Avenue, Santa Rosa, CA APN: 134-132-015	<div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;"> </div> <div style="flex-grow: 1;"> <p> <b>Wiemeyer Ecological Sciences</b>            4000 Montgomery Drive, Suite L-5            Santa Rosa, CA 95405         </p> </div> <div style="font-size: small; text-align: right; margin-left: 10px;">           Parcel boundary provided            by Sonoma County            Soils provided by NRCS            Map date: 7/2019         </div> </div>

Figure 3. Soils map.

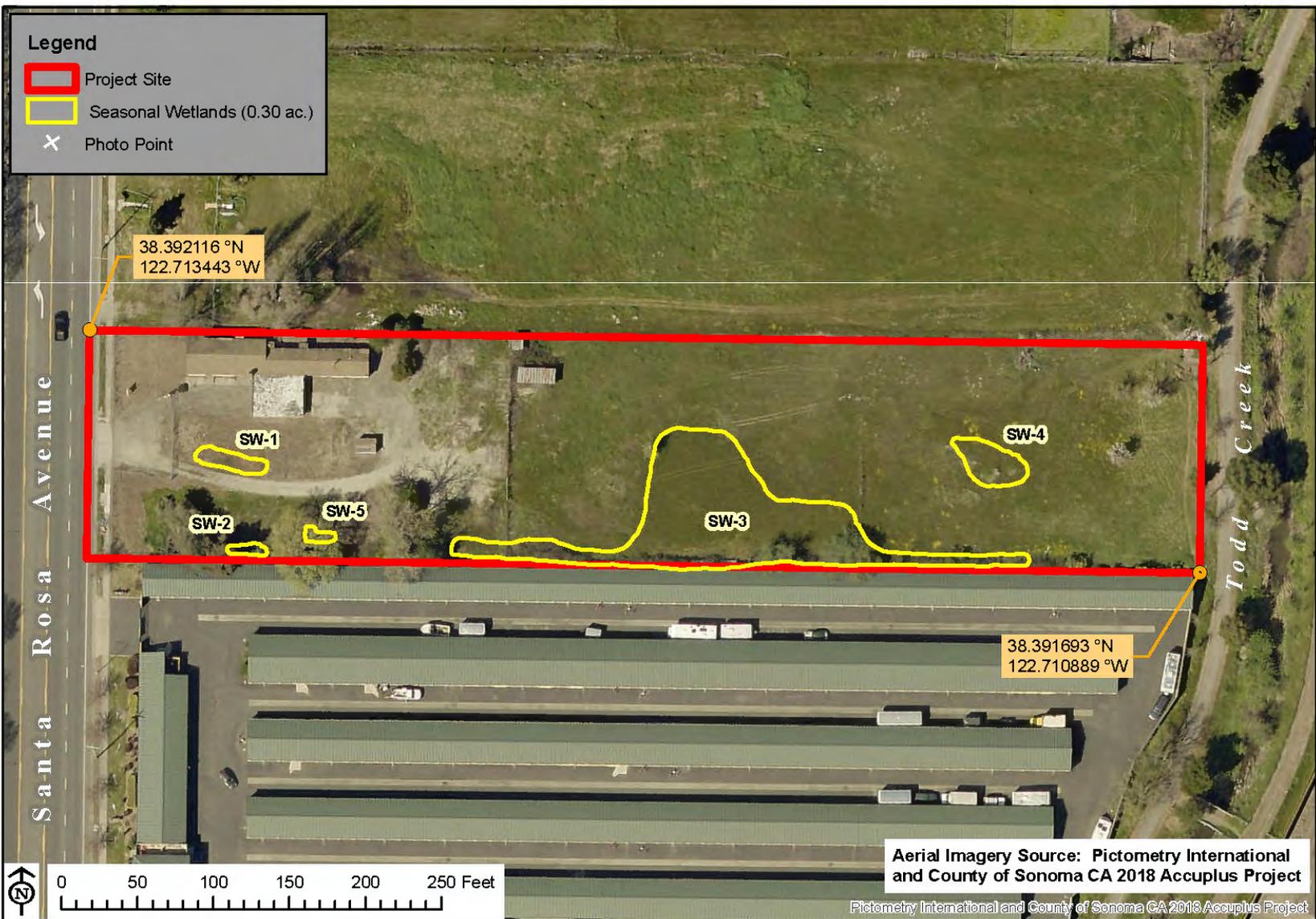


Figure 4. Wetland Jurisdictional Delineation Map

Los Pinos Apartments Project  
Sonoma County, California

Huffman-Broadway Group, Inc.  
ENVIRONMENTAL REGULATORY CONSULTANTS

Figure 4. Wetland jurisdictional delineation map.

**APPENDIX A. SPECIAL-STATUS PLANT SPECIES WITH THE POTENTIAL TO OCCUR IN THE STUDY AREA.<sup>7</sup>**

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<sup>7</sup> From Biological Assessment prepared by Wiemeyer Ecological Sciences.

<u>Scientific Name</u>	<u>Common Name</u>	<u>Rare Plant Rank</u>	<u>State List</u>	<u>Federal List</u>	<u>Habitat</u>
<i>Allium peninsulare</i> <i>var. franciscanum</i>	Franciscan onion	1B.2	None	None	Cismontane woodland, Valley and foothill grassland
<i>Amsinckia lunaris</i>	bent-flowered fiddleneck	1B.2	None	None	Coastal bluff scrub, Cismontane woodland, Valley and foothill grassland
<i>Astragalus breweri</i>	Brewer's milk-vetch	4.2	None	None	Chaparral, Cismontane woodland, Meadows and seeps, Valley and foothill grassland (open, often gravelly)
<i>Astragalus claranus</i>	Clara Hunt's milk-vetch	1B.1	CT	FE	Chaparral (openings), Cismontane woodland, Valley and foothill grassland
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot	1B.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
<i>Blennosperma bakeri</i>	Sonoma sunshine	1B.1	CE	FE	Valley and foothill grassland (mesic), Vernal pools
<i>Brodiaea leptandra</i>	narrow-anthered brodiaea	1B.2	None	None	Broadleaved upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland
<i>Calamagrostis ophitidis</i>	serpentine reed grass	4.3	None	None	Chaparral (open, often north-facing slopes), Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland
<i>Calystegia collina</i> <i>ssp. oxyphylla</i>	Mt. Saint Helena morning-glory	4.2	None	None	Chaparral, Lower montane coniferous forest, Valley and foothill grassland
<i>Castilleja ambigua</i> <i>var. ambigua</i>	johnny-nip	4.2	None	None	Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Valley and foothill grassland, Vernal pools margins
<i>Centromadia parryi</i> <i>ssp. parryi</i>	pappose tarplant	1B.2	None	None	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps (coastal salt), Valley and foothill grassland (vernally mesic)
<i>Clarkia imbricata</i>	Vine Hill clarkia	1B.1	CE	FE	Chaparral, Valley and foothill grassland
<i>Downingia pusilla</i>	dwarf downingia	2B.2	None	None	Valley and foothill grassland (mesic), Vernal pools
<i>Fritillaria liliacea</i>	fragrant fritillary	1B.2	None	None	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland
<i>Gilia capitata</i> <i>ssp.</i> <i>tomentosa</i>	woolly-headed gilia	1B.1	None	None	Coastal bluff scrub, Valley and foothill grassland
<i>Hemizonia congesta</i> <i>ssp. congesta</i>	congested-headed hayfield tarplant	1B.2	None	None	Valley and foothill grassland
<i>Hesperevax caulescens</i>	hogwallow starfish	4.2	None	None	Valley and foothill grassland (mesic, clay), Vernal pools (shallow)
<i>Horkelia tenuiloba</i>	thin-lobed horkelia	1B.2	None	None	Broadleaved upland forest, Chaparral, Valley and foothill grassland
<i>Hosackia gracilis</i>	harlequin lotus	4.2	None	None	Broadleaved upland forest, Coastal bluff scrub, Closed-cone coniferous forest, Cismontane woodland, Coastal prairie, Coastal scrub, Meadows and seeps, Marshes and swamps, North Coast coniferous forest, Valley and foothill grassland
<i>Lasthenia conjugens</i>	Contra Costa goldfields	1B.1	None	FE	Cismontane woodland, Playas (alkaline), Valley and foothill grassland, Vernal pools
<i>Layia septentrionalis</i>	Colusa layia	1B.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland

<u>Scientific Name</u>	<u>Common Name</u>	<u>Rare Plant Rank</u>	<u>State List</u>	<u>Federal List</u>	<u>Habitat</u>
<i>Leptosiphon acicularis</i>	bristly leptosiphon	4.2	None	None	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland
<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon	1B.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
<i>Lessingia hololeuca</i>	woolly-headed lessingia	3	None	None	Broadleaved upland forest, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	1B.1	CE	FE	Meadows and seeps, Valley and foothill grassland, Vernal pools
<i>Micropus amphibolus</i>	Mt. Diablo cottonweed	3.2	None	None	Broadleaved upland forest, Chaparral, Cismontane woodland, Valley and foothill grassland
<i>Microseris paludosa</i>	marsh microseris	1B.2	None	None	Closed-cone coniferous forest, Cismontane woodland, Coastal scrub, Valley and foothill grassland
<i>Navarretia cotulifolia</i>	cotula navarretia	4.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
<i>Navarretia heterandra</i>	Tehama navarretia	4.3	None	None	Valley and foothill grassland (mesic), Vernal pools
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia	1B.1	None	None	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools
<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	Gairdner's yampah	4.2	None	None	Broadleaved upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools
<i>Plagiobothrys strictus</i>	Calistoga popcornflower	1B.1	CT	FE	Meadows and seeps, Valley and foothill grassland, Vernal pools
<i>Poa napensis</i>	Napa blue grass	1B.1	CE	FE	Meadows and seeps, Valley and foothill grassland
<i>Puccinellia simplex</i>	California alkali grass	1B.2	None	None	Chenopod scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools
<i>Ranunculus lobbii</i>	Lobb's aquatic buttercup	4.2	None	None	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools
<i>Trifolium amoenum</i>	two-fork clover	1B.1	None	FE	Coastal bluff scrub, Valley and foothill grassland (sometimes serpentinite)
<i>Trifolium hydrophilum</i>	saline clover	1B.2	None	None	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools

**APPENDIX B. LIST OF PLANT SPECIES OBSERVED DURING 2019-2020 PLANT SURVEYS.<sup>8</sup>**

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<sup>8</sup> From Biological Assessment prepared by Wiemeyer Ecological Sciences.

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# Appendix C: Plant Inventory List

## 3496 Santa Rosa Avenue, Santa Rosa, CA

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<b>FAMILY</b>	<b>SPECIES NAME</b>	<b>COMMON NAME</b>	<b>NATIVE=N INTRODUCED=I</b>
Alismataceae			
	<i>Alisma aquatica</i> -plantago	water plantain	N
Apiaceae			
	<i>Daucus carota</i>	wild carrot	I
	<i>Eryngium aristulatum</i>	California button celery	N
Araliaceae			
	<i>Hedera helix</i>	English ivy	I

<b>FAMILY</b>	<b>SPECIES NAME</b>	<b>COMMON NAME</b>	<b>NATIVE=N INTRODUCED=I</b>
<b>Asteraceae</b>			
	<i>Achellia millefolium</i>	yarrow	N
	<i>Anthemis cotula</i>	dog fennel	I
	<i>Artemesia douglasiana</i>	mugwort	I
	<i>Baccharis pilularis</i>	coyote brush	N
	<i>Centaurea solstitianus</i>	yellow star thistle	I
	<i>Chicorium intybus</i>	chicory	I
	<i>Cirsium vulgare</i>	bull thistle	I
	<i>Gnaphalium californicum</i>	California cudweed	N
	<i>Hemizonia congesta</i> spp. <i>luzulifolia</i>	hayfield tarweed	N
	<i>Hypocharis radicata</i>	rough cat's ear	I
	<i>Lactuca saligna</i>	willowleaf lettuce	N
	<i>Lactuca serriola</i>	prickly lettuce	I
	<i>Lasthenia glaberrima</i>	smooth goldfield	N
	<i>Leontodon taraxocoides</i>	hawkbit	I
	<i>Matricaria matricarioides</i>	pineapple weed	I
	<i>Picris echioides</i>	bristly ox tongue	I
	<i>Senecio vulgaris</i>	common groundsel	I
	<i>Silybum marianum</i>	milk thistle	I
	<i>Sonchus oleraceus</i>	sow thistle	I
	<i>Xanthium strumarium</i> v. <i>canaden</i>	cocklebur	I
<b>Caprifoliaceae</b>			
	<i>Symphoricarpos albus</i>	snowberry	N
<b>Caryophyllaceae</b>			
	<i>Cerastrium viscosum</i>	chickweed	I
<b>Chenopodiaceae</b>			
	<i>Atriplex patula</i>	fat hen	I
	<i>Chenopodium album</i>	lambs quarters	I
<b>Convolvulaceae</b>			
	<i>Convolvulus arvensis</i>	bindweed	I
<b>Cruciferae</b>			
	<i>Brassica rapa</i>	field mustard	I
	<i>Lepidium nitidum</i>	pepper grass	N
	<i>Raphanus sativus</i>	wild radish	I

<b>FAMILY</b>	<b>SPECIES NAME</b>	<b>COMMON NAME</b>	<b>NATIVE=N INTRODUCED=I</b>
Cyperaceae	Cyperus eragrostis	nut-sedge	I
	Eleocharis macrostachya	creeping spiked sedge	N
Euphorbiaceae	Eremocarpus setigerus	turkey mullen	N
Fabaceae	Acacia dealbata	silver wattle	I
	Lathyrus odoratus	sweet pea	I
	Lotus corniculatus	birdsfoot trefoil	I
	Lotus purshianus	Spanish lotus	N
	Medicago polymorpha	bur-clover	I
	Trifolium subterraneum	subterranean clover	I
	Trifolium variegatum	white-tip clover	N
	Vicia sativa	spring vetch	I
	Vicia villosa	winter vetch	I
Fagaceae	Quercus agrifolia	coast live oak	N
	Quercus lobata	valley oak	N
Gentianaceae	Centaurium erythraea	common centaury	N
Geraniaceae	Erodium cicutarium	redstem filaree	I
	Erodium moschatum	whitestem filaree	I
	Geranium dissectum	wild geranium	I
	Geranium molle	dove's foot geranium	I
Juglandaceae	Juglans regia	English walnut	I
Juncaceae	Juncus bufonius	toadrush	N
	Juncus phaeocephalus	brown head rush	N
	Juncus tenuis	slender rush	N
Lamiaceae	Mentha arvensis	field mint	N
	Mentha pelugium	pennyroyal	I

<b>FAMILY</b>	<b>SPECIES NAME</b>	<b>COMMON NAME</b>	<b>NATIVE=N INTRODUCED=I</b>
Liliaceae	<i>Allium unifolium</i>	wild onion	N
	<i>Brodiaea elegans</i>	harvest brodiaea	N
Lythraceae	<i>Lythrum hyssopifolia</i>	hyssop loosestrife	I
Malvaceae	<i>Malva rotundifolia</i>	mallow	I
Onagraceae	<i>Camissonia ovatum</i>	sun cup	N
	<i>Epilobium ciliatum</i>	willow herb	N
Plantaginaceae	<i>Kickxia elatine</i>	sharp-leaved fluellin	I
	<i>Plantago lanceolata</i>	English plantain	I
Poaceae	<i>Avena barbata</i>	slender wild oat	I
	<i>Avena fatua</i>	wild oat	I
	<i>Bromus diandrus</i>	rip-gut brome	I
	<i>Bromus mollis</i>	soft chess	I
	<i>Cynodon dactylon</i>	bermuda grass	I
	<i>Danthonia californicus</i>	California oatgrass	N
	<i>Festuca perennis</i>	perennial rye grass	I
	<i>Hordeum brachyantherum</i>	meadow barley	N
	<i>Hordeum marinum</i> spp. <i>gussoneanum</i>	Mediterranean barley	I
	<i>Hordeum murinum</i> ssp. <i>leporinum</i>	foxtail barley	I
	<i>Phalaris aquatica</i>	Harding grass	I
	<i>Pleuropogon californicus</i>	semaphore grass	N
	<i>Poa annua</i>	annual bluegrass	I
	<i>Polypogon monspeliensis</i>	rabbitsfoot grass	I
	<i>Vulpia bromoides</i>	six-weeks brome grass	I
Polemoniaceae	<i>Navarretia squarrosa</i>	skunkweed	N

<b>FAMILY</b>	<b>SPECIES NAME</b>	<b>COMMON NAME</b>	<b>NATIVE=N INTRODUCED=I</b>
Polygonaceae	Polygonum aviculare	common knotweed	I
	Rumex acetosella	sheep sorrel	I
	Rumex crispus	curly dock	I
Primulaceae	Anagallis arvensis	scarlet pimpernel	I
Ranunculaceae	Ranunculus californicus	California buttercup	N
	Ranunculus muricatus	spiny buttercup	I
Rosaceae	Prunus sp.	native plum	I
	Rubus armeniacus	Himalayan berry	I
Rubiaceae	Galium aparine	cleavers	I
Salicaceae	Populus fremontii	Fremont cottonwood	N
	Salix lasiolepis	arroyo willow	N
Scrophulariaceae	Parentucellia viscosa	parentucella	I