

Plants of the Sausal Creek Watershed and Joaquin Miller Park

Rarity, Populations, Locations

| New Jepson Name | Common Name | EBCNPS Rank | Rare in Sausal | Location Notes |
|--|-----------------------|-------------|----------------|--|
| <i>Acaena pinnatifida</i> var. <i>californica</i> | California sheepburr | C | yes | 2 small populations at 2 locations in JM Park; one on serpentine at risk from broom and star thistle, one on a rocky outcrop |
| <i>Acer macrophyllum</i> | big-leaf maple | | | large population near Zinn Trail; many trees near Palo Seco Creek; 2-3 near Fern Ravine |
| <i>Acer negundo</i> | box-elder | | | 2 locations in JM Park; little viable seed |
| <i>Achillea millefolium</i> | yarrow | | | good populations on Sanborn serpentine; other scattered locations |
| <i>Acmispon americanus</i> var. <i>americanus</i> | Spanish lotus | | yes | 2 small populations on Sanborn serpentine |
| <i>Acmispon brachycarpus</i> | woolly trefoil | | yes | mostly on serpentine or rock outcrops |
| <i>Acmispon glaber</i> var. <i>glaber</i> | California broom | | yes | few scattered individuals and small populations, mostly in JM Park |
| <i>Acmispon wrangelianus</i> | California lotus | | yes | scattered small populations on Sanborn serpentine |
| <i>Actaea rubra</i> | baneberry | B | | scattered small populations in Dimond Canyon and JM Park |
| <i>Adenostoma fasciculatum</i> | chamise | | | 1 location in JM Park, several plants |
| <i>Adiantum jordanii</i> | California maidenhair | | yes | scattered individuals and small populations |
| <i>Aesculus californica</i> | California buckeye | | | good populations in many locations; curiously, does not occur in JM Park |
| <i>Agoseris grandiflora</i> var. <i>grandiflora</i> | California dandelion | | | almost all on Sanborn serpentine |
| <i>Agrostis pallens</i> | bent grass | | | scattered good populations in JM Park |
| <i>Alnus rhombifolia</i> | white alder | | | aging trees in Dimond Park and lower Dimond Canyon; 2 or 3 at Beaconsfield |
| <i>Amsinckia</i> sp. | fiddleneck | | yes | cannot find; in M Lowe thesis |
| <i>Anaphalis margaritacea</i> | pearly everlasting | | | 3-4 large clones and scattered smaller populations near Sequoia Arena |
| <i>Angelica tomentosa</i> | woolly angelica | | yes | scattered individuals and small populations in JM Park, Dimond Canyon and Shepherd Canyon |
| <i>Antirrhinum vexillocalyculatum</i> subsp. <i>vexillocalyculatum</i> | wiry snapdragon | B | yes | 1 location, very small population |
| <i>Aphanes occidentalis</i> | lady's mantle | | yes | 1 small population on Sanborn serpentine |
| <i>Apocynum androsaemifolium</i> | bitter dogbane | B | yes | 2 populations at risk from fuel management; 1 on Skyline, 1 on Monterey |
| <i>Aquilegia formosa</i> | columbine | C | yes | 1 location near Sinawik Loop, about 5 plants |
| <i>Aralia californica</i> | elk-clover | B | | several locations in JM Park; good population near Ascot on private property; some in Castle area on private property |
| <i>Arbutus menziesii</i> | Pacific madrone | C | | None known below Highway 13; good populations in other upper watershed locations |
| <i>Arctostaphylos crustacea</i> subsp. <i>crustacea</i> | brittleleaf manzanita | C | | even-aged stand near Sequoia-Bayview Trail is senescent; newly found stand nearby with many aged large plants and some younger plants; small population on eastern Sequoia-Bayview Trail |

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| <i>Arctostaphylos pallida</i> | pallid manzanita | *A1 | yes | along Manzanita Drive; near Exeter; in JM Park near Chabot & Roberts at risk from soil pathogen and fuel management; Federal status: threatened; CA status: endangered |
| <i>Arnica discoidea</i> | rayless coast arnica | B | yes | 1 large population near Sinawik Loop Trail |
| <i>Artemisia californica</i> | California sagebrush | | | many locations |
| <i>Artemisia douglasiana</i> | mugwort | | | many locations |
| <i>Asarum caudatum</i> | wild ginger | A2 | | large patch in JM Park being invaded by Ehrharta grass; scattered other locations in JM Park; 1 small patch in Dimond Canyon; some former locations overgrown by ivy |
| <i>Athyrium filix-femina</i> var. <i>cyclosorum</i> | western lady fern | | | many riparian sites, some very good populations |
| <i>Baccharis glutinosa</i> | marsh baccharis | | | 1 small population near Sequoia Arena; all female! |
| <i>Baccharis pilularis</i> subsp. <i>consanguinea</i> | coyote brush | | | many locations |
| <i>Barbarea orthoceras</i> | winter cress | | | small, scattered populations |
| <i>Berberis pinnata</i> subsp. <i>pinnata</i> | California barberry | C | yes | 1 small population near Sinawik Loop Trail; 1 medium population along Cinderella Trail |
| <i>Brodiaea elegans</i> subsp. <i>elegans</i> | harvest brodiaea | | yes | 2 small populations on Sanborn serpentine, formerly grazed; other scattered individuals |
| <i>Bromus carinatus</i> var. <i>carinatus</i> | California brome | | | many locations |
| <i>Bromus laevipes</i> | woodland brome | | | many locations |
| <i>Calamagrostis rubescens</i> | pinegrass | B | yes | 1 small population under brittleleaf manzanitas near Sequoia-Bayview Trail |
| <i>Calandrinia ciliata</i> | red maids | | yes | 2 or 3 sporadic occurrences on Sanborn serpentine |
| <i>Callitriche marginata</i> | water starwort | | yes | small population at Fern Ravine wetland |
| <i>Calochortus luteus</i> | yellow mariposa lily | C | | mostly on Sanborn serpentine and a small population near Skyline and JM Road at risk from fuel management |
| <i>Calochortus umbellatus</i> | Oakland star-tulip | *A2 | | good populations at scattered locations on Sanborn serpentine, 1 formerly grazed, 1 at risk from off-trail cyclists 1 at risk from broom and star thistle; another tiny patch near Castle Drive; CA Rank: S3.2; CNPS state rank: 4.2, watch list |
| <i>Calystegia purpurata</i> subsp. <i>purpurata</i> | morning glory | | | many scattered locations |
| <i>Calystegia subacaulis</i> subsp. <i>subacaulis</i> | hill morning-glory | | | mostly on Sanborn serpentine, scattered populations |
| <i>Cardamine californica</i> | milk maids | | | many scattered locations in JM Park |
| <i>Cardamine oligosperma</i> | bitter cress | | | locations not tracked; nursery "weed" |
| <i>Carex barbarae</i> | Santa Barbara sedge | B | yes | 2 populations in JM Park; extensive near Cinderella Trail; small near Sunset Trail |

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| <i>Carex globosa</i> | round-fruit sedge | A1 | yes | few scattered plants in JM Park redwoods; several plants at good site near Roberts |
| <i>Carex leptopoda</i> | short-scale sedge | A1 | yes | very few individuals, 1 or 2 locations near Palo Seco Creek |
| <i>Carex subbracteata</i> | small-bracted sedge | B | | good populations near Fern Ravine and Sequoia Arena; some across Skyline near Roberts; a few plants in Beaconsfield |
| <i>Carex tumulicola</i> | Berkeley sedge | C | yes | one large clump near Sanborn |
| <i>Caulanthus lasiophyllus</i> | California mustard | | | very small, sporadic population on nursery hill |
| <i>Ceanothus oliganthus</i> var. <i>sorediatus</i> | jimbrush | | yes | very few plants; most near Sequoia-Bayview/Chaparral |
| <i>Ceanothus thyrsoiflorus</i> | blueblossom | A2 | yes | very few plants; most near Sequoia-Bayview/Chaparral |
| <i>Cercocarpus betuloides</i> var. <i>betuloides</i> | birch-leafmountain mahogany | C | yes | 2 plants in each of 2 locations near Bridgeview Trail |
| <i>Chlorogalum pomeridianum</i> var. <i>pomeridianum</i> | soap plant | | | good populations in many locations; many impacted by fuel management; some flower stalk harvesting for food |
| <i>Chrysolepis chrysophylla</i> var. <i>minor</i> | golden chinquapin | A2 | yes | 1 plant near brittleleaf manzanitas off Sequoia-Bayview Trail |
| <i>Cirsium occidentale</i> var. <i>venustum</i> | Venus thistle | | yes | very small populations near Sunset Trail; formerly grazed |
| <i>Clarkia rubicunda</i> | farewell-to-spring | | yes | 1 small population in JM Park; formerly grazed |
| <i>Claytonia exigua</i> subsp. <i>exigua</i> | serpentine spring beauty | C | yes | small population at JM Rd and Skyline; at risk from fuel management |
| <i>Claytonia parviflora</i> subsp. <i>parviflora</i> | miner's lettuce | | | many locations |
| <i>Claytonia perfoliata</i> subsp. <i>mexicana</i> | angle-leaf miner's lettuce | | | near Sinawik Trail; locations not tracked |
| <i>Clematis lasiantha</i> | pipestems | | yes | largest plants felled by fallen pine; some individuals cut during fuel abatement; most in Dimond Canyon, 1 found in JM Park near Sinawik Trail |
| <i>Clinopodium douglasii</i> | yerba buena | | | many locations |
| <i>Collinsia heterophylla</i> var. <i>heterophylla</i> | Chinese houses | | yes | 1 moderate population near Palos Colorados Trail |
| <i>Corallorhiza maculata</i> var. <i>maculata</i> | spotted coralroot | A2 | yes | 1 small population near Sinawik Loop Trail |
| <i>Cornus sericea</i> subsp. <i>sericea</i> | western creek dogwood | C | | 1 large specimen, few other individuals on Cinderella Creek at Sunset Trail; small plants found near Ascot and on Larry Lane; earliest Dimond outplants from Dimond Park plant |
| <i>Corylus cornuta</i> subsp. <i>californica</i> | California hazelnut | | | many locations |
| <i>Cynoglossum grande</i> | hound's tongue | | | 3 known moderate populations, 2 in JM Park, 1 in Dimond Canyon, others scattered |

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| <i>Cyperus eragrostis</i> | tall nutsedge | | | many locations |
| <i>Daucus pusillus</i> | wild carrot | | yes | small population on Sanborn serpentine, at risk from off-trail cyclists |
| <i>Deschampsia cespitosa</i> subsp. <i>caespitosa</i> | tufted hairgrass | | yes | very small population in Fern Ravine wetland |
| <i>Dicentra formosa</i> | western bleeding hearts | A2 | yes | 1 small population near Ascot |
| <i>Dichelostemma capitatum</i> subsp. <i>capitatum</i> | blue dicks | | | most in grazed areas on Sanborn serpentine or in Sinawik Loop Trail meadow |
| <i>Dichondra donnelliana</i> | California ponysfoot | A1 | | one population in JM Park; anomalous location for this species; under investigation |
| <i>Dirca occidentalis</i> | western leatherwood | *A2 | yes | 1 population in heavy shade, one other plant near Sequoia-Bayview Trail; recent newly found site has as least 5 plants; CA Rank: S2S3; CNPS state rank: 1B.2, rare, fairly endangered |
| <i>Distichlis spicata</i> | salt grass | | yes | 1 small population at estuary |
| <i>Dodecatheon hendersonii</i> | shooting stars | | yes | 1 small population near Sinawik Loop Trail |
| <i>Drymocallis glandulosa</i> var. <i>glandulosa</i> | sticky cinquefoil | | yes | few individuals near Sequoia Arena |
| <i>Dryopteris arguta</i> | coastal wood fern | | | good populations at many locations |
| <i>Elymus glaucus</i> subsp. <i>glaucus</i> | blue wildrye | | | good populations at many locations |
| <i>Elymus multisetus</i> | big squirreltail | C | yes | 2 populations; on Sanborn serpentine or JM Rd & Skyline |
| <i>Epilobium brachycarpum</i> | annual fireweed | | | on Sanborn serpentine; distribution not known |
| <i>Epilobium canum</i> subsp. <i>canum</i> | California fuchsia | | | most plants in grazed areas |
| <i>Epilobium ciliatum</i> subsp. <i>ciliatum</i> | willow-herb | | | distribution not known; nursery "weed" |
| <i>Epilobium minutum</i> | little willowherb | | yes | small populations at 2 locations: Sanborn serpentine population at risk from off-trail cyclists; JM Rd & Skyline population at risk from fuel management |
| <i>Equisetum arvense</i> | common horsetail | | yes | small population near Cinderella Creek |
| <i>Equisetum hyemale</i> subsp. <i>affine</i> | scouring rush | | yes | 1 large population on private property above Beaconsfield; small population in JM Park near Cinderella Creek |
| <i>Equisetum telmateia</i> subsp. <i>braunii</i> | giant horsetail | | | widespread in riparian areas and seeps |
| <i>Eriogonum luteolum</i> var. <i>caninum</i> | Tiburon buckwheat | *A1 | yes | 2 populations; small population on Sanborn serpentine at risk from off-trail cyclists, population at JM Rd and Skyline almost extirpated by fuel management; CA Rank: S2; CNPS state rank: 1B.2, rare, fairly endangered |
| <i>Eriogonum nudum</i> var. <i>auriculatum</i> | eared buckwheat | | | mostly on serpentine or rock outcrops; most areas formerly grazed |

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| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> | golden yarrow | | yes | mostly on Sanborn serpentine or at JM Rd and Skyline; most sites at risk from fuel management |
| <i>Erysimum capitatum</i> var. <i>capitatum</i> | western/foothill wallflower | C | yes | 1 very small population at JM Rd and Skyline at risk from fuel management |
| <i>Eschscholzia californica</i> | California poppy | | | good populations in scattered locations |
| <i>Euphorbia spathulata</i> | warty spurge | | yes | 1 population near Palos Colorados Trail |
| <i>Eurybia radulina</i> | rough-leaved aster | | | good populations in many locations |
| <i>Festuca californica</i> | California fescue | C | yes | 2 individuals near Sinawik Loop Trail |
| <i>Festuca microstachys</i> | Pacific fescue | | | on Sanborn serpentine; easily overlooked, population not assessed |
| <i>Fragaria vesca</i> | wood strawberry | | | many good populations at many locations |
| <i>Frangula californica</i> subsp. <i>californica</i> | California coffeeberry | | | many scattered individuals at many locations |
| <i>Fritillaria affinis</i> | checker lily | | yes | several small populations in JM Park, most grazed; near Sinawik Loop or Sanborn |
| <i>Galium aparine</i> | goose grass, bedstraw | | | many scattered populations, some very large |
| <i>Galium californicum</i> subsp. <i>californicum</i> | California bedstraw | | yes | few individuals plants in JM Park |
| <i>Galium porrigens</i> var. <i>porrigens</i> | climbing bedstraw | | | many plants in scattered locations |
| <i>Galium triflorum</i> | sweet-scented bedstraw | B | yes | location unknown; in M Lowe thesis |
| <i>Gamochaeta ustulata</i> | featherweed | | yes | small population near Castle Park Trail |
| <i>Garrya elliptica</i> | coast silk-tassle | B | yes | 2 locations along Bridgeview; 2 along Sinawik Trail, a few on Browning Hill; significant stand on private property |
| <i>Gaultheria shallon</i> | salal | A1 | yes | very small populations in 3 locations in JM Park redwoods & Redwood Park |
| <i>Gilia achilleifolia</i> subsp. <i>multicaulis</i> | California gilia | | yes | 1 very small populations in Sunset grassland; grazed; from M Lowe thesis, not recently found |
| <i>Gilia clivorum</i> | purplespot gilia | C | yes | 2 very small populations: Sanborn serpentine and JM Rd and Skyline; at risk from fuel management and grazing |
| <i>Grindelia hirsutula</i> | gumplant | C | yes | small populations on Sanborn serpentine and JM Rd and Skyline; JM Rd population at risk from fuel management |
| <i>Grindelia stricta</i> var. <i>angustifolia</i> | gumplant | C | yes | 2-3 plants at Oakland Estuary |
| <i>Gutierrezia californica</i> | matchweed | C | yes | 4-5 plants at JM Rd and Skyline at risk from fuel management |
| <i>Helenium puberulum</i> | sneezeweed | | yes | in M Lowe thesis, location not known |
| <i>Hemizonia congesta</i> subsp. <i>luzulifolia</i> | hayfield tarweed | | | good populations, mostly on Sanborn serpentine; mostly grazed; some at risk from veldt grass invasion |
| <i>Heracleum maximum</i> | cow parsnip | | | good populations in many locations |

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| <i>Hesperevax sparsiflora</i> var. <i>sparsiflora</i> | few-flowered evax | | yes | small population on Sanborn serpentine |
| <i>Heteromeles arbutifolia</i> | toyon | | | small stands and individuals in many locations |
| <i>Heterotheca sessiliflora</i> subsp. <i>bolanderi</i> | hairy golden aster | C | yes | small population on Sanborn serpentine; formerly grazed |
| <i>Heuchera micrantha</i> | alumroot | C | yes | small, scattered populations near Sequoia-Bayview Trail |
| <i>Holodiscus discolor</i> var. <i>discolor</i> | ocean spray | | | many scattered stands and individuals at many locations |
| <i>Hosackia stipularis</i> var. <i>stipularis</i> | balsam bird's-foot trefoil | A1 | yes | 1 very small population with brittleleaf manzanitas near Sequoia-Bayview Trail |
| <i>Iris douglasiana</i> | Douglas' iris | A2 | | 1 large original population near Chabot often cut by fuel management; some smaller satellite populations nearby sometimes cut; many strong outplantings |
| <i>Jaumea carnosa</i> | marsh jaumea | C | yes | small population at estuary |
| <i>Juncus bufonius</i> var. <i>bufonius</i> | toad rush | | yes | small population in Fern Ravine wetland; sporadic sitings in other wet areas |
| <i>Juncus effusus</i> subsp. <i>pacificus</i> | bog rush | | yes | 1 good population at Fern Ravine wetland at start of Fern Ravine Creek |
| <i>Juncus patens</i> | common rush | | | many populations and individuals at many locations |
| <i>Juncus xiphioides</i> | iris-leaf rush | | | scattered populations in many riparian and seep locations |
| <i>Koeleria macrantha</i> | junegrass | C | yes | scattered individuals and small populations, mostly on Sanborn serpentine and JM Rd and Skyline |
| <i>Lathyrus vestitus</i> var. <i>vestitus</i> | Pacific pea | | yes | scattered locations in JM Park and near Bridgeview Trail; not plentiful |
| <i>Lepidium nitidum</i> | shining pepperweed | | yes | 1 very small population on Sanborn serpentine |
| <i>Lepidium strictum</i> | upright pepperweed | | yes | 1 population on Sequoia-Bayview Trail; one plant in Sanborn pavement crack |
| <i>Logfia filaginoides</i> | California cottonrose | | yes | 1 small population at JM Rd and Skyline; at risk from fuel management |
| <i>Lomatium caruifolium</i> var. <i>caruifolium</i> | caraway-leaved lomatium | B | yes | 1 plant near Sinawik Loop Trail |
| <i>Lonicera hispidula</i> | California honeysuckle | | | good populations in many scattered locations |
| <i>Lonicera involucrata</i> var. <i>ledebourii</i> | black twinberry | B | | scattered small populations |
| <i>Lonicera subspicata</i> var. <i>denudata</i> | wild honeysuckle | B | | in M Lowe thesis, location not known |
| <i>Lupinus albifrons</i> var. <i>albifrons</i> | silver bush lupine | | | most plants on Sanborn serpentine, population recovering from former grazing; scattered others in JM Park; some in Shepherd Canyon on rocky outcrops at risk from fuel management |
| <i>Lupinus bicolor</i> | bicolored lupine | | yes | scattered small populations in JM Park |
| <i>Lupinus formosus</i> var. <i>formosus</i> | summer lupine | | | single plant on Sanborn serpentine; formerly grazed |
| <i>Lupinus succulentus</i> | arroyo lupine | | | large population on Sanborn serpentine; new moderate population found in Montclair Park |

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| <i>Luzula comosa</i> var. <i>comosa</i> | common woodrush | | | moderate populations in JM Park; few locations (small cryptic plant) |
| <i>Madia elegans</i> | common madia | C | yes | 1 small population near JM Rd and Skyline |
| <i>Madia gracilis</i> | slender tarweed | | | 3 small populations; 2 on Sanborn serpentine, 1 near Sunset Trail |
| <i>Madia sativa</i> | coast tarweed | | | good population at Fern Ravine; other scattered locations in JM Park |
| <i>Maianthemum racemosum</i> | large false Solomon's seal | | yes | scattered individuals and stands in JM Park and Dimond Canyon; ivy competing with many |
| <i>Maianthemum stellatum</i> | small false Solomon's seal | | | many good populations in scattered locations; ivy competing with many |
| <i>Marah fabacea</i> | California man-root | | | many scattered locations |
| <i>Marah oregana</i> | coast man-root | C | | scattered locations |
| <i>Melica californica</i> | California melic | C | yes | small populations in scattered locations; most at risk from fuel management |
| <i>Melica torreyana</i> | Torrey's melic grass | | | many populations in many scattered locations |
| <i>Microseris douglasii</i> subsp. <i>douglasii</i> | Douglas' microseris | | yes | small populations at 2 locations on Sanborn serpentine |
| <i>Mimulus aurantiacus</i> var. <i>aurantiacus</i> | bush monkeyflower | | | many good populations in many locations |
| <i>Mimulus cardinalis</i> | red monkeyflower | C | yes | no sites currently known with natural occurrences in parks; 1 location known on private property |
| <i>Mimulus guttatus</i> | yellow monkeyflower | | | good populations on seeps and in riparian areas; mostly in JM Park and Dimond Canyon |
| <i>Monardella villosa</i> subsp. <i>villosa</i> | coyote mint | | yes | small populations in JM Park, most grazed |
| <i>Nasturtium officinale</i> | watercress | | | scattered riparian locations |
| <i>Navarretia mellita</i> | honeyscented pincushionplant | C | yes | small population near Sequoia-Bayview Trail |
| <i>Navarretia squarrosa</i> | skunkweed | | | small scattered populations |
| <i>Nemophila heterophylla</i> | small baby-blue eyes | | | good populations at 2-3 scattered locations |
| <i>Oemleria cerasiformis</i> | oso berry | | | 1 or 2 good stands in JM Park, many scattered individuals |
| <i>Oenanthe sarmentosa</i> | water parsley | | | good populations in Dimond Canyon riparian areas; one population known in JM Park |
| <i>Osmorhiza berteroi</i> | wood cicely | | | scattered in many locations in JM Park |
| <i>Oxalis oregana</i> | redwood sorrel | A1 | yes | 1 population in Dimond Canyon; many individuals; new site in JM Park may be planted |
| <i>Pellaea andromedifolia</i> | coffee fern | | yes | small scattered populations or individuals, most on serpentine or rock outcrops |
| <i>Pentagramma triangularis</i> subsp. <i>triangularis</i> | goldback fern | | | many scattered locations; good revival at ivy removal sites |

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| <i>Perideridia kelloggii</i> | yampah | | | 3 small to moderate populations, some scattered individuals; sometimes grazed |
| <i>Phacelia californica</i> | California phacelia | | | good populations at scattered locations |
| <i>Phacelia imbricata</i> subsp. <i>imbricata</i> | imbricate phacelia | | | scattered populations in JM Park, most on serpentine or rock outcrops; moderate populations in/near Beaconsfield |
| <i>Pholistoma auritum</i> var. <i>auritum</i> | fiesta flower | B | yes | seen below Bridgeview Trail by Chris Thayer; location/population unknown; possibly extirpated |
| <i>Physocarpus capitatus</i> | ninebark | C | | large healthy stands along Palo Seco Creek; some near Cinderella Creek; some in Beaconsfield recovering from fuel management |
| <i>Piperia elegans</i> | rein orchid | B | yes | from M Lowe thesis; not recently located |
| <i>Piperia elongata</i> | dense flowered rein orchid | A2 | yes | 1 population of about 30 plants near Sequoia Arena; 1 plant near Sequoia-Bayview Trail |
| <i>Piperia transversa</i> | royal rein orchid | B | yes | 2 very small populations; Wild Rose Trail and Sequoia-Bayview Trail |
| <i>Plantago erecta</i> | California plantain | | | all on Sanborn serpentine; good populations, some at risk from grazing |
| <i>Polypodium calirhiza</i> | licorice fern | | | many good populations at scattered locations; some at risk from ivy |
| <i>Polypodium scouleri</i> | leather fern | A1 | yes | 1 population at Exeter chaparral area |
| <i>Polystichum munitum</i> | western sword fern | | | many good populations at many locations |
| <i>Populus trichocarpa</i> | black cottonwood | C | | Beaconsfield Canyon and upstream; many trees |
| <i>Prosartes hookeri</i> | fairy bells | C | | good scattering of plants along Palos Colorados trail; others scattered in JM Park and Dimond Canyon; some in Shepherd Canyon |
| <i>Prunus ilicifolia</i> subsp. <i>ilicifolia</i> | hollyleaf cherry | C | yes | 1 or 2 plants near Sequoia Point |
| <i>Pseudognaphalium beneolens</i> | cudweed | C | | small population near West Ridge Trail |
| <i>Pseudognaphalium biolettii</i> | cudweed | A2 | | from M Lowe thesis; not recently located |
| <i>Pseudognaphalium californicum</i> | California cudweed | | | a few scattered small populations in JM Park on Sanborn serpentine and near Fern Ravine |
| <i>Pseudognaphalium ramosissimum</i> | pink everlasting | | | a few scattered populations in JM Park, one large |
| <i>Pteridium aquilinum</i> var. <i>pubescens</i> | bracken fern | | | good populations at many locations |
| <i>Quercus agrifolia</i> var. <i>agrifolia</i> | coast live oak | | | throughout watershed; at risk from Sudden Oak Death |
| <i>Quercus chrysolepis</i> | canyon live oak | A2 | yes | 1 location along Cinderella Trail, several trees |
| <i>Quercus parvula</i> var. <i>shrevei</i> | Shreve oak | A2 | yes | Exeter chaparral area; number unknown, very few plants |
| <i>Quercus wislizeni</i> var. <i>wislizeni</i> | interior live oak | | yes | 1 location, several trees on Sinawik Loop Trail |
| <i>Quercus X morehus</i> | oracle oak | | yes | 1 plant on Sequoia-Bayview Trail; Q. kelloggii/Q. wislizenii hybrid |
| <i>Rafinesquia californica</i> | California chicory | B | yes | not currently found in the 2 previous known locations in JM Park |
| <i>Ranunculus californicus</i> var. <i>californicus</i> | California buttercup | | | almost all areas grazed, but large populations in scattered locations in JM Park and Dimond Canyon |
| <i>Rhamnus crocea</i> | redberry buckthorn | C | yes | 1 small population in Castle Canyon at risk from fuel management |

| New Jepson Name | Common Name | EBCNPS Rank | Rare in Sausal | Location Notes |
|--|------------------------|-------------|----------------|--|
| <i>Ribes californicum</i> var. <i>californicum</i> | hillside gooseberry | | yes | scattered individuals in JM Park and Dimond Canyon |
| <i>Ribes divaricatum</i> var. <i>pubiflorum</i> | straggly gooseberry | B | yes | scattered individuals in JM Park and Beaconsfield |
| <i>Ribes menziesii</i> | canyon gooseberry | | yes | a few scattered individuals in JM Park and Dimond Canyon |
| <i>Ribes sanguineum</i> var. <i>glutinosum</i> | pink-flowering currant | C | | scattered individuals and populations in many locations |
| <i>Rosa californica</i> | California wild rose | | yes | 2 small stands in JM Park plus 1 large healthy stand near Sequoia Arena |
| <i>Rosa gymnocarpa</i> var. <i>gymnocarpa</i> | wood rose | | | good populations in many scattered locations |
| <i>Rosa spithamea</i> | ground rose | C | | good populations near Sinawik Loop Trail |
| <i>Rubus parviflorus</i> | thimbleberry | | | good populations in many locations |
| <i>Rubus ursinus</i> | California blackberry | | | good populations in many locations |
| <i>Rupertia physodes</i> | California tea | | yes | 1 small population near Sinawik Loop Trail; 1 small population in Shepherd Canyon |
| <i>Sagina apetala</i> | dwarf pearlwort | | yes | growing in crack in parking lot pavement, Sanborn Dr |
| <i>Salicornia</i> sp. | pickleweed | | | small population at estuary |
| <i>Salix laevigata</i> | red willow | | yes | 1 in Dimond Park; 1-2 in Beaconsfield |
| <i>Salix lasiolepis</i> | arroyo willow | | | few original plants; most Dimond Canyon willows are clones; small populations in JM Park, Shepherd Canyon; scattered other occurrences |
| <i>Sambucus nigra</i> subsp. <i>caerulea</i> | blue elderberry | | | many scattered individuals at many locations |
| <i>Sambucus racemosa</i> var. <i>racemosa</i> | red elderberry | A1 | yes | several plants along Cinderella Creek & tributaries; scattered plants in Beaconsfield and upstream |
| <i>Sanicula bipinnatifida</i> | poison sanicle | | yes | small scattered population on Sanborn serpentine; sometimes grazed |
| <i>Sanicula crassicaulis</i> | Pacific sanicle | | | many scattered small populations in JM Park; scattered populations in Dimond Canyon and Shepherd Canyon |
| <i>Sanicula laciniata</i> | coastal blacksnakeroot | A2 | yes | 1 small population with brittleleaf manzanitas near Sequoia-Bayview Trail |
| <i>Sanicula tuberosa</i> | tuberous sanicle | C | yes | 1 very small population on Sanborn serpentine |
| <i>Scirpus microcarpus</i> | small-fruited bulrush | C | yes | in Larry Lane flood-control basin; large population at risk from silt, flood management |
| <i>Scrophularia californica</i> | bee plant | | | many scattered plants and populations in many locations |
| <i>Sequoia sempervirens</i> | coast redwood | B | | large stands of second and third growth in JM Park and Dimond Canyon |
| <i>Sidalcea malviflora</i> subsp. <i>laciniata</i> | checker mallow | C | yes | few scattered individuals or small populations on Sanborn serpentine; sometimes grazed |
| <i>Silene laciniata</i> subsp. <i>californica</i> | Indian pink | B | yes | about 10 plants in 1 location near Sinawik Loop Trail |

| New Jepson Name | Common Name | EBCNPS Rank | Rare in Sausal | Location Notes |
|--|------------------------|-------------|----------------|---|
| <i>Sisyrinchium bellum</i> | blue-eyed grass | | | 3 significant populations in JM Park, all on serpentine; 2 formerly grazed; one at risk from broom and star thistle; one often cut or grazed; other scattered individuals and small populations |
| <i>Solanum americanum</i> | common nightshade | | | scattered individuals and populations in many locations |
| <i>Solanum umbelliferum</i> | blue witch | | yes | few scattered individuals in JM Park and near Bridgeview Trail |
| <i>Solidago velutina subsp. californica</i> | California goldenrod | | | scattered populations, most grazed |
| <i>Stachys rigida var. quercetorum</i> | wood mint | | | many large populations in many locations |
| <i>Stipa lepida</i> | foothill needlegrass | C | | good populations in Sunset grasslands, Sanborn serpentine, and at JM Rd and Skyline; some in Shepherd Canyon and Beaconsfield |
| <i>Stipa pulchra</i> | purple needlegrass | C | | good populations in Sunset grasslands, Sanborn serpentine, and at JM Rd and Skyline; some in Shepherd Canyon and Beaconsfield |
| <i>Streptanthus glandulosus subsp. glandulosus</i> | jewelflower | B | yes | very small population near Sunset Trail; most of area grazed; high risk of extirpation |
| <i>Stylocline gnaphaloides</i> | everlasting nest straw | A2 | yes | small population on Sanborn serpentine |
| <i>Symphoricarpos albus var. laevigatus</i> | snowberry | | | many good populations at scattered locations |
| <i>Symphoricarpos mollis</i> | creeping snowberry | | | mostly on or near Sanborn serpentine in wooded areas; good populations |
| <i>Symphyotrichum chilense</i> | common aster | | | small populations on and near Sanborn serpentine; grazing reductions have improved stand size |
| <i>Taraxia ovata</i> | suncups | C | yes | 2 small populations: West Trail and Castle Park Trail |
| <i>Tellima grandiflora</i> | fringe cups | B | | scattered populations in JM Park |
| <i>Thalictrum fendleri var. polycarpum</i> | meadow-rue | | yes | one location reported in M Lowe thesis but not re-located; 2nd population near Bridgeview Trail often cut by PG&E |
| <i>Toxicodendron diversilobum</i> | poison oak | | | it's everywhere! |
| <i>Toxicoscordion fremontii</i> | death camas, star lily | | yes | 1 small population plus scattered individuals; good population on private property near Bridgeview Trail |
| <i>Trifolium albopurpureum var. albopurpureum</i> | Indian clover | C | yes | small population along Palos Colorados Trail |
| <i>Trillium chloropetalum</i> | giant trillium | | | 3 good populations in 3 scattered locations; other small populations and individuals |
| <i>Trifolium ciliolatum</i> | ciliate clover | | yes | in M Lowe thesis but not recently found |
| <i>Trifolium gracilentum</i> | pinpoint clover | | yes | two small populations in JM Park: 1 near Sunset Trail; 1 near Sanborn |
| <i>Trientalis latifolia</i> | star flower | C | | scattered populations, some very large, in JM Park |
| <i>Trifolium microcephalum</i> | small-head clover | | yes | in M Lowe thesis but not recently found |
| <i>Trifolium willdenovii</i> | tomcat clover | | yes | in M Lowe thesis but not recently found |
| <i>Trillium ovatum subsp. ovatum</i> | white trillium | A2 | | 1 good population in Fern Ravine; other small populations and individuals in JM Park |
| <i>Triteleia laxa</i> | Ithuriel's spear | | | most in grazed areas on Sanborn serpentine or in Sinawik Loop Trail meadow |

| New Jepson Name | Common Name | EBCNPS Rank | Rare in Sausal | Location Notes |
|---|------------------------|-------------|----------------|--|
| <i>Typha latifolia</i> | broad-leaved cattail | | yes | good population at Fern Ravine wetland; sporadic appearances in seeps and leaks in JM Park |
| <i>Umbellularia californica</i> | California bay | | | throughout watershed |
| <i>Uropappus lindleyi</i> | silver puffs | | yes | all on serpentine or rock outcrops in JM Park |
| <i>Urtica dioica subsp. holosericea</i> | stinging nettle | | | good populations in scattered riparian locations and seeps |
| <i>Vaccinium ovatum</i> | California huckleberry | B | | widespread in upper JM Park, 1 known plant in Shepherd Canyon; small population in Beaconsfield |
| <i>Veronica americana</i> | American brooklime | C | yes | original find in Dimond Canyon; current locations not known; badly affected by heavy creek flows |
| <i>Vicia americana subsp. americana</i> | American vetch | C | yes | reported in M Lowe thesis, current locations unknown |
| <i>Vicia gigantea</i> | giant vetch | C | | many scattered creekside locations; some populations very healthy; some very small |
| <i>Viola glabella</i> | stream violet | A2 | yes | 1 small population near Chabot |
| <i>Viola sempervirens</i> | evergreen violet | A1 | yes | 2-3 small to moderate populations in JM Park redwoods |
| <i>Woodwardia fimbriata</i> | giant chain fern | | yes | 2 locations, 1 in Shepherd Canyon near Escher, 1 in JM Park near Cinderella Creek, very few plants |
| <i>Wyethia angustifolia</i> | narrowleaf mule-ears | | yes | all on serpentine or rock outcrops near Sanborn; sometimes grazed |

Rare in Sausal/JM Park

129 (count of "yes" cells)

Summary of East Bay CNPS Ranks

| Rank | Count | Criteria |
|--------------|-----------|--|
| *A1 | 2 | Listed as rare, threatened or endangered statewide by federal or state agencies or by the state level of CNPS, known from 1 or 2 regions in Alameda and Contra Costa counties |
| *A2 | 2 | Listed as rare, threatened or endangered statewide by federal or state agencies or by the state level of CNPS; known from 3 or more regions in the two counties |
| A1 | 9 | Known from 1 or 2 regions in the two counties |
| A2 | 14 | Known from 3 to 5 regions in the two counties, or, if more, meeting other important criteria such as small populations, stressed or declining populations, small geographical range, limited or threatened habitat, etc. |
| B | 23 | Watch list B: occurs in 6 to 9 regions in the two counties or are otherwise subject to threat |
| C | 45 | Watch List C: occurs in 10 or more regions here but has potential threats |
| Total | 95 | |

Park, trail, creek and street names can be found by looking at the *Trails and Tributaries* map:

http://www.sausalcreek.org/pdf/Trails-Tributaries-Sausal_2010.pdf

| Key to locations and abbreviations in the notes: | |
|---|--|
| Chabot | Chabot Space and Science Center |
| Estuary | The mouth of Sausal Creek, next to the Fruitvale Bridge |
| Exeter chaparral | Hillside near Exeter Drive and Chelton |
| Fern Ravine | Wetland and creek headwaters located near entrance to Sequoia Arena |
| JM Park | Joaquin Miller Park |
| JM Road | Joaquin Miller Road |
| Roberts | Roberts Recreation Area, EBRPD |
| Sanborn serpentine | Area of JM Park surrounding Sanborn Dr. Serpentine stretches from Browning Monument to JM Rd; most of this area, including the nursery, is in the Peralta Creek watershed |
| Sunset grassland | Western end of Sunset Tr; some serpentine and rock outcrops |
| M Lowe thesis | Thesis by Martha Lowe, June 2000, <i>The Upper Sausal Creek Watershed (Oakland, California): Historical and Contemporary Ecology, Watershed Assessment, and Recommendations for Ecosystem Restoration and Management</i> , Sonoma State University. Plant list: http://www.sausalcreek.org/sausal/nature_pdf/plant_species.pdf |

Information on the size and populations of rare plants covered in this chart comes from many observers. Martha Lowe's thesis on the watershed provided the basis. The seed-collection crew, active for over 10 years, has provided many details. Other information comes from CNPS members, herbarium and Calflora records, and most especially from Jeffrey Greenhouse, who is compiling a list of all the plants of Joaquin Miller Park. He's been especially helpful in finding many of the smallest plants in the park.

Most observations were made from hiking trails; there are certainly a few species and many populations still unknown in offtrail areas, especially on the steepest hills and densest understory areas. The "yes" in the "Rare in Sausal" column is based on observations of currently know distributions and populations sizes. FOSC has collected seed and planted thousands of natives throughout the watershed. The location and population data includes only natural occurrences of the species, and not the outplanted populations.

This list was compiled by Karen Paulsell, with assistance from Dianne Lake, Jeffrey Greenhouse and Nancy Jones.

Please provide any feedback, especially information on new locations for rare plant species to:

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East Bay CNPS Ranks

