



Wild Plants of Leona Canyon Regional Open Space Preserve

Common Name Version

A Photographic Guide

Sorted by Form, Color and Family
with Habitat Descriptions and Identification Notes



New Revised and Expanded Edition - Includes the latest
scientific names, habitat descriptions and identification notes

A Photographic Guide to the Wild Plants of Leona Canyon Regional Open Space Preserve

More than 2,000 species of native and naturalized plants grow wild in the San Francisco Bay Area. Most are very difficult to identify without the help of good illustrations. This is designed to be a simple, color photo guide to help you identify some of these plants. This guide is published electronically in Adobe Acrobat® format so that it can easily be updated as additional photographs become available. You have permission to freely download, distribute and print this guide for individual use. Photographs are © 2014 Wilde Legard, all rights reserved.

In this guide, the included plants are sorted first by form (Ferns & Fern-like, Grasses & Grass-like, Herbaceous, Woody), then by most common flower color, and finally by similar looking flowers (grouped by genus within each family). Each photograph has the following information, separated by '-':

COMMON NAME	According to <i>The Jepson Manual: Vascular Plants of California, Second Edition (JM2)</i> and other references (not standardized).
(Scientific Name)	According to <i>JM2</i> and <i>eFlora</i> (ucjeps.berkeley.edu/IJM.html).
Origin & Longevity	Native, Naturalized, or Waif (not reproducing without human care). Annual, Biennial, Perennial, or a combination.
Family Name	Common family name according to <i>JM2</i> ,
(Bloom date range)	Period during the year when the plant blooms, according to <i>JM2</i> and other sources. '-' if plant does not bloom (ie. Ferns).
Habitat	Habitat description according to <i>JM2</i> and other sources.
ID Characteristics	Plant description with identification characteristics and other notes, based on multiple sources including: <i>Annotated Checklist of the East Bay Flora, Second Edition (2013)</i> , <i>JM2</i> , <i>Plants of the San Francisco Bay Region (Revised Edition)</i> , and <i>Weeds of California and Other Western States</i> .
Additional notes	Occasionally, an additional note may appear (ie. NOXIOUS weed, INVASIVE weed, Fed & Calif. ENDANGERED, etc.).

Revision: 3/2/2014

Fern-like - Green/Brown

Wild Plants of Leona Canyon Regional Open Space Preserve - Sorted by Form, Color and Family

Page 1



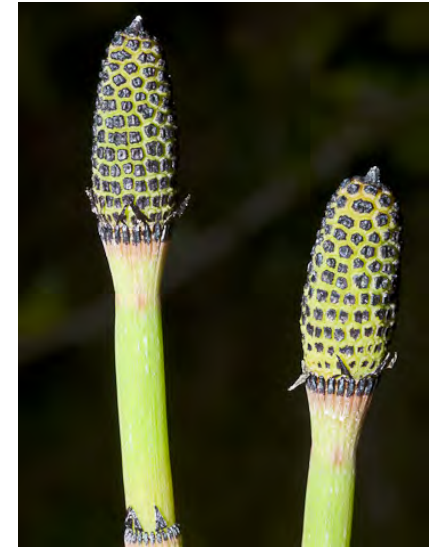
BRACKEN FERN (*Pteridium aquilinum* var. *pubescens*) Native Perennial - Bracken Family - - Pastures, woodland, meadows, hillsides, partial to full sun - Leaf blades widely-triangular, gen 0.5-5' long, gen 3x divided, hairy underneath.



CALIFORNIA MAIDENHAIR (*Adiantum jordanii*) Native Perennial - Brake Fern Family - - - Shaded hillsides, moist woodland - Leaves 8-28" long with many rounded symmetrical segments, each with < 4 irregular lobes. Cultivated. Sudden Oak Death carrier.



GOLDENBACK FERN (*Pentagramma triangularis* subsp. *triangularis*) Native Perennial - Brake Fern Family - - - Gen shaded, sometimes rocky or wooded areas - Leaves triangular, 1.2-4" long, undersides either granular green or powdery gold.



SMOOTH SCOURING RUSH (*Equisetum laevigatum*) Native Perennial - Horsetail Family - - - Moist, sandy or gravelly areas - Stems 1 kind only, 12-71" tall, unbranched. Sheath w/dark band only at the top.



POLYPODY FERN (*Polypodium calirhiza*) Native Perennial - Polypody Family - - - On plants, rocky cliffs or outcrops, roadcuts, often granitic or volcanic, rarely dunes - Leaf blades 4-8" long, often widest above base, deeply lobed.



COASTAL WOOD FERN (*Dryopteris arguta*) Native Perennial - Wood Fern Family - - - Locally common. Open, wooded slopes, caves - Leaf 12-24" long, 5-12" wide, divided 1-2 times. Segments generally with spine-tipped teeth.



WESTERN SWORD FERN (*Polystichum munitum*) Native Perennial - Wood Fern Family - - - Common. Wooded hillsides, shaded slopes, rarely cliffs, outcrops - Fronds gen 20-48" long, divided once. Segments usually separate, teeth point to tips, scaly rachis.



SILVER HAIR GRASS (*Aira caryophyllea*) Naturalized Annual - Grass Family - (Apr-Jun) - Sandy soils, open or disturbed sites - Flower cluster > 0.6" wide, diffuse with long slender branches. Spikelets about 0.1" long with 2 extended awns.



SLENDER WILD OAT (*Avena barbata*) Naturalized Annual - Grass Family - (Mar-Jun) - Disturbed sites - Plants gen 24-32". Spikelets 0.8-1.2" long. Awns 0.8-1.8" long. Lemma tip bristles >= 0.1" long. Seeds **EDIBLE** whole or ground for flour. **INVASIVE** weed.



LITTLE QUAKING GRASS (*Briza minor*) Naturalized Annual - Grass Family - (Apr-Jul) - Shaded or moist, open sites - Stem 3-20" tall. Spikelets 0.1-0.2" long, resemble tiny rattlesnake rattles.



CALIFORNIA BROME (*Bromus carinatus* var. *carinatus*) Native Perennial - Grass Family - (Apr-Aug) - Coastal prairies, openings in chaparral, plains, open oak and pine woodland - Plant 20-40" tall. Flower cluster 6-16" long. Spikelet 0.8-1.6" long. Lemma 0.5-0.8" long, hairy, awn 0.3-0.6" long.



RIPGUT GRASS (*Bromus diandrus*) Naturalized Annual - Grass Family - (Apr-Jul) - Open, gen disturbed areas - Plant 6-40" tall. Spikelet 1-2.8" long. Lemma body 0.8-1.2" long, awn > 1.2" long. Barbed seeds can stick in flesh of animals. **INVASIVE** weed.



SOFT CHESS (*Bromus hordeaceus*) Naturalized Annual - Grass Family - (Apr-Jul) - Fields, disturbed areas - Plant 4-26" tall. Leaf hairy. Flower cluster 1-5" long, dense, some stalks > spikelet. Spikelet 0.5-0.9". Lemma 0.26-0.4", awn 0.16-0.4". **INVASIVE weed.**



FOXTAIL CHESS (*Bromus madritensis* subsp. *madritensis*) Naturalized Annual - Grass Family - (Apr-Jan) - Disturbed areas, roadsides - Plants 4-20" tall. Stem and sheathes smooth. Flower cluster branches visible, lower spikelets erect, > stalk.



RED BROME (*Bromus madritensis* subsp. *rubens*) Naturalized Annual - Grass Family - (Mar-Jun) - Disturbed areas, roadsides - Plant 4-20". Flower cluster condensed, branches obscure, < spikelets. Stem & sheathes hairy. **INVASIVE weed.**



HAIRY PAMPAS GRASS (*Cortaderia jubata*) Naturalized Perennial - Grass Family - (Sep-Feb) - Disturbed sites, many habitats, esp coastal - Plant 6-23' tall. Leaf blades 0.1-0.5" wide, sheathes hairy. **NOXIOUS weed.**



ORCHARD GRASS (*Dactylis glomerata*) Naturalized Perennial - Grass Family - (May-Aug) - Disturbed, often moist sites - Stems 2-5, 12-79"+ tall. Leaf blade 0.12-0.24" wide. Flower cluster 1.6-8" long. Spikelets crowded on 1 side. Lemmas short-awned at tip. **INVASIVE weed.**



WESTERN WILD-RYE (*Elymus glaucus* subsp. *glaucus*) Native Perennial - Grass Family - (Jun-Aug) - Open areas, chaparral, woodland, forest - Tufted. Stem 12-55" tall. Leaf 0.2-0.5" wide, flat. Spikelets 0.3-0.6" long, 2-4 per node. Lemma awn 0.4-1.2" long.



BROME FESCUE (*Festuca bromoides*) Naturalized Annual - Grass Family - (May-Jun) - Uncommon. Dry, disturbed places, coastal-sage scrub, chaparral - Stem < 20". Inflor 0.6-6" tall, dense, lower branches erect. Spikelet 0.2-0.4" long, awn 0.1-0.3" long.



HAIRY FESCUE (*Festuca microstachys*) Native Annual - Grass Family - (Apr-Jun) - Disturbed, open, gen sandy soils - Stem 6-29". Spikelet 0.2-0.4" long, awn 0.1-0.5" long. Glumes & lemma smooth or hairy.



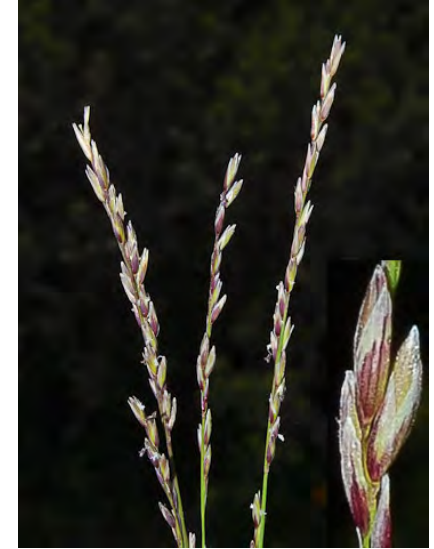
RYE GRASS (*Festuca perennis*) Naturalized Perennial - Grass Family - (May-Sep) - Dry to moist disturbed sites, abandoned fields - Stem 20-40" tall. Spikelet 0.2-0.9" long, > glume, awned or awnless. Sterile shoots at base. **INVASIVE weed.**



MEDITERRANEAN BARLEY (*Hordeum marinum* subsp. *gussoneanum*) Naturalized Annual - Grass Family - (Apr-Jun) - Dry to moist, disturbed sites - Stem 4-20". Leaf blades to 32" long, auricles < 0.08". Central lemma awn 0.25-0.7" long. **INVASIVE weed.**



HARE BARLEY (*Hordeum murinum* subsp. *leporinum*) Naturalized Annual - Grass Family - (Feb-May) - Moist, gen disturbed sites. Common - Stem 12-43" tall. Central spikelet stalk ~0.06" long. Central floret << lateral florets. **INVASIVE weed.**



TORREY'S MELIC (*Melica torreyana*) Native Perennial - Grass Family - (Mar-Jun) - Chaparral, conifer forest - Stem 12-40" tall. Leaf blade 0.04-0.1" wide. Spikelet 0.14-0.28" long w/1-2 florets; sterile tip widest above middle to 0.06", short-hairy lemmas.



HARDING GRASS (*Phalaris aquatica*) Naturalized Perennial - Grass Family - (Apr-Aug) - Disturbed areas, roadsides - Plant 16-79" tall, tufted. Flower cluster 0.6-6" long, unbranched. Lower florets 1 or more unequal. Glume wing untoothed. **INVASIVE weed.**



ANNUAL BLUE GRASS (*Poa annua*) Naturalized Annual - Grass Family - (Feb-Sep) - Abundant. Disturbed moist ground - Plant 1-8" tall. Leaf blade 0.04-0.12" wide, soft. Flower cluster 0.4-4" long, triangular. Lemmas 0.1-0.16" long.



RABBITFOOT GRASS (*Polyopogon monspeliensis*) Naturalized Annual - Grass Family - (Apr-Aug) - Moist places, along streams - Stem 8-39". Leaf 0.4-8" long, 0.16-0.24" wide. Flower cluster 0.4-6.7" long, plume-like. Glume awn > 0.14". Lemma awn gen < 0.1". **INVASIVE.**



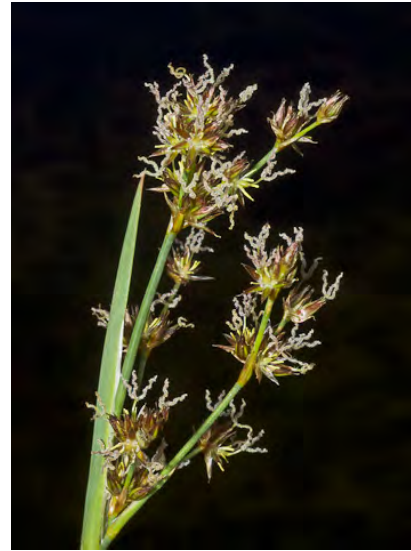
PURPLE NEEDLE GRASS (*Stipa pulchra*) Native Perennial - Grass Family - (Mar-Jun) - Oak woodland, chaparral, grassland - Stem 14-39" long. Leaf blade 4-8" long. Glumes 0.5-0.8" long, ~equal. Awn 1.6-4" long, last segment straight.



BALTIC RUSH (*Juncus balticus* subsp. *ater*) Native Perennial - Rush Family - (Jul–Nov) - Moist to ± dry sites - Stem 14-43" tall, round, not twisted. No leaf blade. Flowers generally 0.1-0.2" long.



TOAD RUSH (*Juncus bufonius* var. *bufonius*) Native Annual - Rush Family - (May–Sep) - Damp sunny ground, gen disturbed - Stem gen 1-4" tall, gen brached from base, ~0.04" wide. Flower cluster open. Flowers 0.16-0.3" long.



IRIS-LEAVED RUSH (*Juncus xiphioides*) Native Perennial - Rush Family - (Jul–Oct) - Wet places - Plant 16-32" tall. Leaf blades 0.2-0.5" wide, flat, Iris-like. Heads many, few-flowered. Anthers 6, < filaments, flowers self-pollinating.



TALL NUTSEDGE (*Cyperus eragrostis*) Native Perennial - Sedge Family - (May–Nov) - Vernal pools, streambanks - Leaves basal. Flower cluster bracts 4-8. Spikelets 0.2-0.8" long, oblong, in heads to 1.6" wide. Seeds short-stalked.



BROADLEAVED FORGET-ME-NOT (*Myosotis latifolia*) Naturalized Perennial - Borage Family - (Feb–Jul) - Moist, disturbed, shady places - Stem < 28" long, base woody. Leaves to 0.8" wide. Flowers light blue, 0.2-0.4" wide. **INVASIVE weed.**



BLUE DICKS (*Dichelostemma capitatum* subsp. *capitatum*) Native Perennial - Brodiaea Family - (Mar–Jun) - Open woodland, scrub, desert, grassland - Plant 2-28" tall. Flowers blue-purple, not narrowed in the middle. Stamens 6. Early spring bloomer.



GIANT TRILLIUM (*Trillium chloropetalum*) Native Perennial - Bunchflower Family - (Apr–May) - Edges of redwood forest, chaparral, gen moist slopes, canyon banks in alluvial soils - Flowers dark purple to white, sessile. Petals 2.6-4" long, odor rose-like or spicy.



COAST LARKSPUR (*Delphinium decorum* subsp. *decorum*) Native Perennial - Buttercup Family - (Mar–May) - Open coastal grassland, chaparral - Stems 3-14" tall. Leaves short-hairy under, with few-toothed lobes. Flowers few, dark blue-purple.



GREATER PERIWINKLE (*Vinca major*)
Naturalized Perennial - Dogbane Family -
(Mar-Jun(Jan)) - Coastal bluffs, sheltered places,
esp along stream beds - Plant sprawling. Leaf
blade ~ 2.8" long, oval. Flower purple-blue, 1.2-2"
wide at top. **INVASIVE weed.**



NARROW-LEAF FLAX (*Linum bienne*)
Naturalized Perennial - Flax Family - (Mar-Jun) -
Garden escape; grassland, woodland, disturbed
places, esp coastal - Plant 2.4-24" tall. Petals
light blue, 0.24-0.4" long. Fruit 0.16-0.24" wide.
Garden escape.



LONG-BEAKED FILAREE (*Erodium botrys*)
Naturalized Annual - Geranium Family -
(Mar-Jul) - Dry, open or disturbed sites - Stem
4-35" tall, coarse-hairy. Leaves lobed. Petals
pink, 0.3-0.5" long. Sepals w/reddish tip. Fruit
beak 2-4.7" long.



REDSTEM FILAREE (*Erodium cicutarium*)
Naturalized Annual - Geranium Family -
(Feb-Sep) - Open, disturbed sites, grassland,
scrub - Stem 4-20". Leaves compound, leaflets
dissected. Sepal tip bristly. Petal pink to purple.
Fruit beak 0.8-2". **INVASIVE.**



GREENSTEM FILAREE (*Erodium moschatum*)
Naturalized Annual - Geranium Family -
(Feb-Sep) - Open, disturbed sites - Stem 4-24",
short-hairy. Leaves compound, leaflets toothed.
Sepal tip glabrous. Petals 0.4-0.6" long, pink.
Fruit beak 0.8-1.6" long.



CUT-LEAVED GERANIUM (*Geranium
dissectum*) Naturalized Annual - Geranium
Family - (Mar-Jul) - Open, disturbed sites - Stem
3-28" tall, rough-hairy. Leaf blades deeply
divided. Petals violet-red, 0.1-0.25" long
w/notched tips. Flower stalk sticky. **INVASIVE.**



WESTERN BLUE-EYED-GRASS (*Sisyrinchium
bellum*) Native Perennial - Iris Family -
(Mar-May) - Common. Open, gen moist, grassy
areas, woodland - Stem < 25" tall. Leaves
iris-like. Petals 6, blue-purple with dark veins,
0.4-0.7" long.



BULL MALLOW (*Malva nicaeensis*) Naturalized
Annual - Mallow Family - (Mar-Jun) - Disturbed
places - Stem 0.7-2'. Leaf blade 1.2-4.7" wide,
5-7 shallow lobes. Bractlets
egg-shaped, 0.16-0.2" long. Petals pink to
blue-violet, 0.2-0.5" long.



RADISH (*Raphanus sativus*) Naturalized Annual - Mustard Family - (May-Jul) - Disturbed areas, fields - Stem 16-51" long. Petals 0.6-1" long, white to purple. Fruit a fat cylinder w/constrictions between seeds. **INVASIVE weed.**



SMALL-FLOWER LOTUS (*Acmispon parviflorus*) Native Annual - Pea Family - (Mar-May) - Abundant. Coastal bluffs to oak/pine or fir woodland, open or disturbed areas - Flowers pinkish, solitary, 0.2" long, on stalk with bracts. Not hairy.



PACIFIC PEA (*Lathyrus vestitus* var. *vestitus*) Native Perennial - Pea Family - (Feb-Jul) - North: Conifer forest. South: chaparral & oak woodland - Stem wings to 0.02" wide. Leaves gen elliptic. Flowers 0.5-0.7" long, pale lavender to purple.



ROSE CLOVER (*Trifolium hirtum*) Naturalized Annual - Pea Family - (Apr-May) - Disturbed areas, roadsides - Head with 1-2 bract-like leaves immed below. Flowers pink, 0.4-0.6" long, densely-bristly in fruit. **INVASIVE weed.**



NARROW-LEAVED VETCH (*Vicia sativa* subsp. *nigra*) Naturalized Annual - Pea Family - (Mar-Jun) - Roadsides, disturbed areas, grassland, open areas in oak and riparian woodlands - Flowers 1-2 at leaf bases, pink-purple to white, 0.4-0.7" long. Leaflets 0.2-0.3" wide.



SPRING VETCH (*Vicia sativa* subsp. *sativa*) Naturalized Annual - Pea Family - (Mar-Jun) - Roadsides, disturbed areas, grassland, open areas in oak and riparian woodlands - Flowers 1-2 at leaf bases, pink-purple to white, 0.7-1.2" long. Leaflets 0.16-0.4" wide.



SPARSELY HAIRY VETCH (*Vicia villosa* subsp. *varia*) Naturalized Annual-Biennial - Pea Family - (Mar-Jun) - Grassland, roadside, disturbed areas - Stems w/few hairs. Flowers 10-20, blue-purple to white, 0.4-0.55" long. Lower bract lobes 0.04-0.1" long.



RED SAND-SPURRY (*Spargularia rubra*) Naturalized Annual-Perennial - Pink Family - (Spring-fall) - Forest, meadows, mud flats, disturbed - Plant 1.6-10". Leaf non-fleshy, whorls w/large white bracts. Petals pink. Stamens 6-10. Sepals < 0.16".



ITALIAN THISTLE (*Carduus pycnocephalus* subsp. *pycnocephalus*) Naturalized Annual - Sunflower Family - (Mar-Jul) - Roadsides, pastures, disturbed areas - Stems 8-79", narrow spiny-wings. Lower leaves 4-10 lobed, heads 2-5, flower bracts woolly. NOXIOUS.



BULL THISTLE (*Cirsium vulgare*) Naturalized Biennial - Sunflower Family - (May-Oct) - Common. Disturbed areas - Plant 12-79" tall. Top of leaves bristly; leaf base forming decurrent wings on stem. Flowers purple, gen 1-2" wide. NOXIOUS weed.



WEEDY CUDWEED (*Pseudognaphalium luteoalbum*) Naturalized Annual - Sunflower Family - (Apr-Aug) - Disturbed sites, fields, streambeds - Heads 0.12-0.16" long, yellowish, female flowers < 0.08" long, pappus bristles connected.



MILK THISTLE (*Silybum marianum*) Naturalized Annual-Biennial - Sunflower Family - (Feb-Jun) - Roadsides, pastures, disturbed areas - Stem 1-10', stout. Leaves spiny, shiny green w/white veins and spots. Flowers red-purple. INVASIVE weed.



CURLY DOCK (*Rumex crispus*) Naturalized Perennial - Buckwheat Family - (All year) - Abundant. Disturbed places - Stem 16-39" tall. Flower cluster dense, valves 0.2-0.24", winged around tubercles, smooth edged. 1 tubercle enlarged. INVASIVE.



FIDDLE DOCK (*Rumex pulcher*) Naturalized Perennial - Buckwheat Family - (May-Sep) - Disturbed places, meadows, moist or dry habitats - Stem 8-24" long, branches widely spreading. Leaf blades 1.6-4" long, 1.2-2" wide. Valves w/2-5 teeth.



CHECKER LILY (*Fritillaria affinis*) Native Perennial - Lily Family - (Mar-Jun) - Common. Oak or pine scrub, grassland - Stem 4-47" tall. Leaves 1.6-6.3" long, whorled below. Petals mottled brown-purple and yellow-green, 0.4-1.6" long.



HOARY NETTLE (*Urtica dioica* subsp. *holosericea*) Native Perennial - Nettle Family - (Jun-Sep) - Meadows, seeps, springs, margins of marshes, streams, lakes, moist areas in chaparral, coastal scrub - Plant 3.3-9.8' tall, grayish, covered with stinging hairs.



COMMON PLANTAIN (*Plantago major*) Naturalized Annual-Perennial - Plantain Family - (Apr-Sep) - Disturbed areas - Leaves basal, blades 5-18 cm long, broadly oval, not hairy. Flowers + stem 2-24" tall, flower cluster gen 1.2-8" long.



MUGWORT (*Artemisia douglasiana*) Native Perennial - Sunflower Family - (May-Nov) - Common. Open to shady areas, often in drainages - Plant 20-60" tall. Leaves gen 0.4-4" long, densely hairy below, some 3-5 lobed. Flower bracts hairy.



DAGGERLEAF COTTONROSE (*Logfia gallica*) Naturalized Annual - Sunflower Family - (Mar-Jul) - Bare or grassy openings, burns - Plant 1-20" tall, gen cobwebby. Leaves awl-shaped, stiff, > flower heads. Flowers brown to yellow.



COMMON FIDDLENECK (*Amsinckia intermedia*) Native Annual - Borage Family - (Mar-Jun) - Abundant. Open, generally disturbed places - Plant 0.5-3' tall. Flowers orange with 5 red spots, 0.3-0.4" long, 0.2-0.4" wide, tube straight.



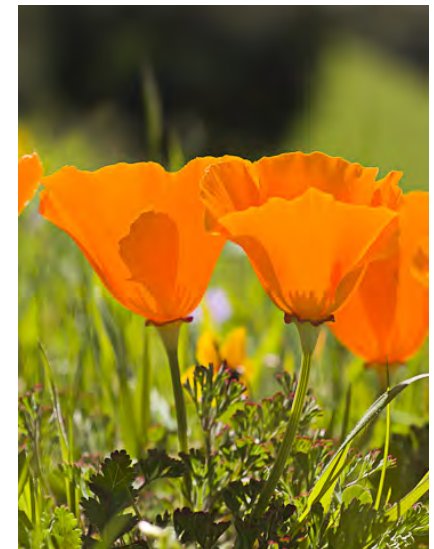
SHEEP SORREL (*Rumex acetosella*) Naturalized Perennial - Buckwheat Family - (Apr-Jul) - ± Disturbed, often acidic places - Stem < 16". Leaf gen basal, blade 0.8-2.4" long, lower arrowhead-shaped w/2 lobes. Flowers yellowish, turn reddish. INVASIVE.



SCARLET PIMPERNEL (*Anagallis arvensis*) Naturalized Annual - Myrsine Family - (Mar-May) - Common. Disturbed places, ocean beaches - Plants 2-16" tall. Flowers 0.2-0.3" long, salmon or occasionally blue. Leaves TOXIC, can cause dermatitis.



CRIMSON CLOVER (*Trifolium incarnatum*) Naturalized Annual - Pea Family - (May-Aug) - Uncommon. Disturbed areas - Hairy. Leaflets 0.6-0.8" long, wedge-shaped. Flower cluster 0.8-2.4" long, cylindrical. Flowers crimson or white, 0.4-0.6" long.



CALIFORNIA POPPY (*Eschscholzia californica*) Native Perennial - Poppy Family - (Feb-Sep) - Grassy, open areas - Plant 2-24" tall. Flower w/spreading rim <= 0.2". Petals 0.8-2.4" long, early spring = large and orange, fall = smaller and yellow.



CALIFORNIA FIGWORT (*Scrophularia californica*) Native Perennial - Snapdragon Family - (Mar-Jul) - Common; damp places, chaparral, roadsides - Stem 2.6-4' tall, square x-section. Leaves opposite, to 7" long, triangular, toothed. Flowers 0.3-0.5" long, upper lips red to maroon, lower paler or yellowish.



KNOTWEED (*Polygonum aviculare* subsp. *depressum*) Naturalized Annual - Buckwheat Family - (May-Nov) - Disturbed places - Stem 4-20", mat-forming. Flowers 2-8/leaf axil, ~0.1" long, fused 1/2 length, w/white or pink margins.



COMMON STAR LILY (*Toxicoscordion fremontii*) Native Perennial - Bunchflower Family - (Feb-Jun) - Grassy or wooded slopes, outcrops - Stem 16-35" tall. Flower cluster branched or unbranched. Petals 6, white to yellowish, 0.2-0.6" long, > stamens.



STARRY FALSE SOLOMON'S SEAL (*Maianthemum stellatum*) Native Perennial - Butcher's Broom Family - (Apr-Jun) - Moist woodland, streambanks, open slopes - Stem 12-28" long. Leaf 2-7" long. Flowers 5-15/cluster. Petals white, 0.16-0.28" long.



BANEERRY (*Actaea rubra*) Native Perennial - Buttercup Family - (May-Sep) - Deep soils, moist, open to shaded sites, mixed-evergreen or conifer forests - Plant 8-40" tall. Flowers white. Fruits shiny red or white, 0.2-0.4" long. All plant parts **TOXIC** to humans.



BUR-CHERVIL (*Anthriscus caucalis*) Naturalized Annual - Carrot Family - (Apr-Jun) - Generally shady places - Plant 18-40" tall. Flowers white; flower stalk >= fruit length. Fruits 0.1-0.2" long with curved "velcro" bristles. Leaves fern-like, triangular outline.



WESTERN WATER-HEMLOCK (*Cicuta douglasii*) Native Perennial - Carrot Family - (Jun-Sep) - Wet places, gen aquatic - Plants 5-10' tall. Leaves 1-3x divided, leaflets 1-10, serrate edges. Flowers white. Fruits round. The most lethally **TOXIC** native plant.



POISON HEMLOCK (*Conium maculatum*) Naturalized Biennial - Carrot Family - (Apr-Jul) - Common. Moist, esp disturbed places - Plants 2-10' tall. Stems purple-spotted. Leaves fern-like, gen 2x divided. Flowers white. **TOXIC. INVASIVE** weed.



COW PARSNIP (*Heracleum maximum*) Native Perennial - Carrot Family - (Apr-Jul) - Moist places, wooded or open - Plants 1-3 m tall, woolly-hairy. Leaflets 3, maple-lobed, 4-16" wide. Petals white, outermost longest. Juice causes dermatitis.



SWEET-CICELY (*Osmorhiza berteroi*) Native Perennial - Carrot Family - (Apr-Jul) - Conifer forest, woodland, disturbed areas - Plant 12-47". Leaflets in 3s, serrate to irreg lobed. Flower white. Fruit 0.5-1", upward pointing barbs, splitting apart below.



WAVYLEAF SOAP PLANT (*Chlorogalum pomeridianum* var. *pomeridianum*) Native Perennial - Century Plant Family - (May-Aug) - Common. Open grassland, chaparral, woodland - Plant 1-8' tall, flowers at night. Bulb juices lather in water.



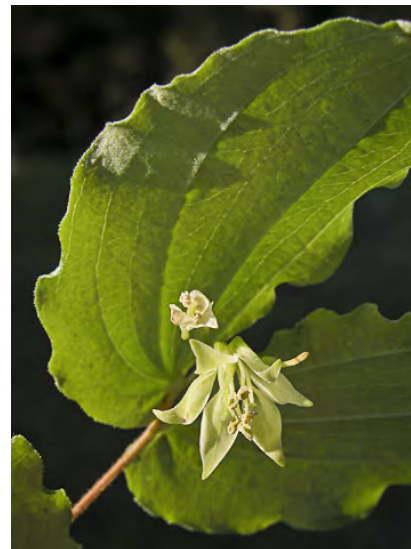
DENSE-FLOWER WILLOWHERB (*Epilobium densiflorum*) Native Annual - Evening Primrose Family - (May-Oct) - Streambanks, outwashes, seasonal moist flats - Plant 2-60" tall, soft-hairy. Petals 0.1-0.4", rose-purple to white. Fruit not tapered.



CALIFORNIA MAN-ROOT (*Marah fabacea*) Native Perennial - Gourd Family - (Feb-Apr) - Streamsides, washes, shrubby open areas - Vine 6-20' long. Leaves moderately lobed. Flowers cream or white, < 0.3" wide. Fruit spiny all over.



OAKLAND STAR-TULIP (*Calochortus umbellatus*) Native Perennial - Lily Family - (Mar-May) - Open chaparral or woodland, gen on serpentine - Stem 3-10". Petals white or pink, 0.5-0.7" long, square tip, purple-spotted base. CNPS: FAIRLY ENDANGERED.



HOOKER FAIRY BELLS (*Prosartes hookeri*) Native Perennial - Lily Family - (Mar-Jun) - Montane conifer, mixed-evergreen forest, exposed roadside - Stem 12-32" tall. Leaf 1.2-6" long. Flower 0.3-0.6" long, white, hanging below the leaves, stamens > petals.



GOOSE GRASS (*Galium aparine*) Native Annual - Madder Family - (Apr-Jun) - Grassy, ± shady places - Stem 12-35" long, weak, brittle. Leaves 0.5-1.6" long, in whorls of 6-8. Flowers white, 4-lobed. Fruits covered w/short, hooked hairs.



COMMON MINER'S LETTUCE (*Claytonia perfoliata* subsp. *perfoliata*) Native Annual - Miner's Lettuce Family - (Jan–May) - Vernal moist, often shady or disturbed sites - Basal leaf length <3x width. Stem leaf gen not angled. Seeds shiny w/large appendage.



SHORT-SPIKED HEDGE-NETTLE (*Stachys pycnantha*) Native Perennial - Mint Family - (Jun–Oct) - Streambanks, springs, pine/oak forest - Plant 12-39", densely glandular, aromatic. Flower cluster < 2", no spaces. Petals white to pink, ~0.3" long.



HEDGE BINDWEED (*Calystegia sepium* subsp. *limnophila*) Native Perennial - Morning-glory Family - (May–Jul) - Marshes, riverbanks - Stem climbing, < 13', smooth (hairy). Flower 1.2-2.4" long, white to pink-tinged. Bractlets concealing flower bracts.



WATER CRESS (*Nasturtium officinale*) Native Perennial - Mustard Family - (Mar–Nov) - Streams, springs, marshes, lake margins, swamps - Stem 4-43" long. Leaflets 3-9, 0.3-1" wide. Petals white, 0.12-0.18" long. **EDIBLE** leaves.



SMALL-FLOWERED NIGHTSHADE (*Solanum americanum*) Native Annual-Perennial - Nightshade Family - (Apr–Nov) - Open, often disturbed places - Flower 0.12-0.24" wide w/3mm lobes, white, anthers ~0.07". Seeds ~0.05". Bracts 0.04-0.08", curled back in fruit.



THREE CORNERED LEEK (*Allium triquetrum*) Naturalized Perennial - Onion or Garlic Family - (Mar–Apr) - Locally common. Shady ± disturbed places - Stem 4-16", sharply 3-angled. Flowers white, 3-15, 0.4-0.7" long, nodding. Escaped ornamentals.



STICKY MOUSE-EAR CHICKWEED (*Cerastium glomeratum*) Naturalized Annual - Pink Family - (Spring) - Dry hillsides, grassland, chaparral, disturbed areas - Flowers 0.1-0.2" long, white, sticky-hairy. Flower bract hairs extend beyond tip; bracts herbaceous.



SMALL-FLOWER CATCHFLY (*Silene gallica*) Naturalized Annual - Pink Family - (Spring–early summer) - Fields, disturbed areas - Plant 4-16". Leaves < 1.4" long. Flower cluster short-hairy, bracts sticky-hairy, petal blade 0.2-0.5" long, smooth to notched, white to pink.



COMMON CHICKWEED (*Stellaria media*) Naturalized Annual - Pink Family - (Feb–Sep) - Oak woodland, meadows, disturbed areas - Plant 2.8-20" tall. Stem w/line of hairs on 1 side. Sepals 0.12-0.18" long. Petals white, 2-lobed, 0.7-0.9x sepals.



ENGLISH PLANTAIN (*Plantago lanceolata*) Naturalized Annual - Plantain Family - (Apr–Aug) - Common. Disturbed areas - Leaves basal, hairy, 2-10" long, <= 1" wide. Flowers + stem 8-31" tall, flower cluster 0.8-3" long. **INVASIVE**, lawn weed.



STICKY CINQUEFOIL (*Drymocallis glandulosa* var. *wrangelliana*) Native Perennial - Rose Family - (May–Jul) - Gen ± shady or moist areas - Stem 8-28". Flower 0.2-0.25" long, pale yellow to cream. Terminal leaflet distinct, unlobed.



WOOD STRAWBERRY (*Fragaria vesca*) Native Perennial - Rose Family - (Jan–Jul) - Gen partial shade in forest - Stem gen 1.2-6" long. Leaflets 3, thin. Central leaflet gen w/12-21 teeth. Flower white, gen 0.6" wide, often above leaves. Fruit a strawberry.



YARROW (*Achillea millefolium*) Native Perennial - Sunflower Family - (Apr–Sep) - Many habitats - Plant 4"-7" tall. Stem white-hairy. Leaves finely dissected. Flower cluster flat-topped. Flowers white to pink. Widely used in folk medicine.



MAYWEED (*Anthemis cotula*) Naturalized Annual - Sunflower Family - (Apr–Aug) - Common. Disturbed areas, fields, coastal dunes, chaparral, oak woodland - Leaves finely divided into thread-like lobes. Flowers > 0.6" wide, many on top of a well-branched stem.



COMMON CALIFORNIA-ASTER (*Corethrogyne filaginifolia*) Native Perennial - Sunflower Family - (Jul–Nov) - Coastal scrub, chaparral, grassland, foothill woodland, forest - Heads 3-20+, calyx length 2x width. Rays white to pink-purple.



FOOTHILL MEADOW-RUE (*Thalictrum fendleri* var. *polycarpum*) Native Perennial - Buttercup Family - (Mar–Jun) - Moist, open to shaded places, woodland, forest - Plant 2-6"+ tall, male or female. Leaf 1-4x divided, 3-18" long, segments 0.3-0.8" long. No petals.



PACIFIC WOODLAND SANICLE (*Sanicula crassicaulis*) Native Perennial - Carrot Family - (Mar–May) - Open slopes, ravines, woodland - Plants stout, 9–47". Leaves 1–5" across with 3–5 deep, palmate lobes and serrate edges. Flowers yellow.



GOLDEN EGGS SUNCUP (*Taraxia ovata*) Native Perennial - Evening Primrose Family - (Mar–Jun) - Grassy fields, gen clay soil - Stemless. Leaf blade oval, 1.2–6" long w/long stalks. Flower stalks leafless. Petals yellow, 0.3–0.9" long. Ovary hidden.



GOLDEN MONKEYFLOWER (*Mimulus guttatus*) Native Perennial - Lopsed Family - (Mar–Aug) - Common. Wet places, gen terrestrial, occ emergent or floating in mats - Plant 0.8–60". Flower yellow, gen > 0.8" long; mature bracts flattened sideways, inflated in fruit.



ERECT-POD WINTER CRESS (*Barbarea orthoceras*) Native Perennial - Mustard Family - (Mar–Jul) - Meadows, streambanks, moist woodland, grassland - Stem 8–24". Lower leaves w/large terminal lobe, upper clasping stem. Petals bright yellow, 0.2–0.3" long.



BLACK MUSTARD (*Brassica nigra*) Naturalized Annual - Mustard Family - (Apr–Sep) - Common. Disturbed areas, fields - Plant 1–6' tall. Petals bright yellow, 0.3–0.4" long. Fruit upright, pressed against stem. **INVASIVE weed.**



HEDGE MUSTARD (*Sisymbrium officinale*) Naturalized Annual - Mustard Family - (Apr–Sep) - Disturbed areas, fields, pastures - Stem 10–22" tall, thin, wiry. Petals 0.1–0.16" long, pale yellow. Fruit 0.4–0.55" long, awl-shaped, appressed.



CALIFORNIA BURCLOVER (*Medicago polymorpha*) Naturalized Annual - Pea Family - (Mar–Jul) - Common. Chaparral, oak woodland, streambanks, roadsides, disturbed areas - Stem 4–20". Flower yellow, 0.14–0.24" long. Spiny spiral fruits. **INVASIVE.**



SOURCLOVER (*Melilotus indicus*) Naturalized Annual-Biennial - Pea Family - (Apr–Oct) - Open, disturbed areas - Stem 4–24" long. Leaflets 3, 0.4–1" long. Flowers yellow, ~0.1" long.



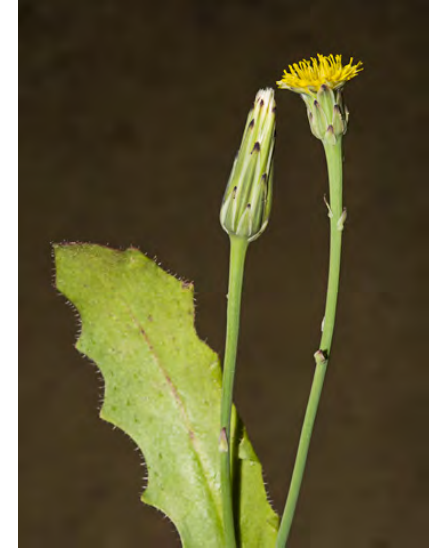
LITTLE HOP CLOVER (*Trifolium dubium*)
Naturalized Annual - Pea Family - (Spring) -
Agricultural, disturbed areas, lawns - Heads
0.16-0.3" wide. Flowers bright yellow, age brown,
quickly reflex, smooth.



BLOW WIVES (*Achyrachaena mollis*) Native
Annual - Sunflower Family - (Mar-Jun) -
Common. Grassy sites, often clay soils - Plant
2-24" tall, soft-hairy. Flowers yellow turning red,
0.1-0.5" wide, extend < 0.1" beyond green
bracts. Showy, flat scales attached to seeds.



BRISTLY OX-TONGUE (*Helminthotheca
echioides*) Naturalized Annual-Biennial -
Sunflower Family - (All year) - Common.
Disturbed areas - Stem 1-6.5' tall, bristly. Leaf
2-8" long, covered with prickly bumps. Flower
heads 0.8-1.6" wide. **INVASIVE weed.**



SMOOTH CAT'S-EAR (*Hypochaeris glabra*)
Naturalized Annual - Sunflower Family -
(Mar-Jun) - Common. Disturbed areas,
grassland, open woodland - Plant 4-24" tall,
smooth. Rays 0.2-0.3" long, barely > head bracts.
Only inner fruit beaked. **INVASIVE.**



ROUGH CAT'S-EAR (*Hypochaeris radicata*)
Naturalized Perennial - Sunflower Family -
(Apr-Jul) - Disturbed areas, grassland, open
woodland - Plant 4-32" tall, rough-hairy. Rays
0.4-0.6" long, well exceeding head bracts. Fruits
all beaked. **INVASIVE weed.**



PINEAPPLE WEED (*Matricaria discoidea*)
Naturalized Annual - Sunflower Family -
(Feb-Aug) - Abundant. Disturbed sites,
riverbanks - Plant 4-12" tall, sweet-scented.
Heads pineapple-shaped, ~ 0.4" wide; head stalk
to 0.6" long.



COMMON GROUNDSEL (*Senecio vulgaris*)
Naturalized Annual - Sunflower Family -
(Feb-Jul) - Common. Disturbed areas - Plant
4-24" tall, not hairy, w/1-10+ stems. Flower head
bracts with black-tips. Milky sap.



PRICKLY SOW THISTLE (*Sonchus asper* subsp.
asper) Naturalized Annual - Sunflower Family -
(All year) - Common. Slightly moist disturbed
sites, along streams - Plant 4-48". Leaf teeth
prickly. Basal lobes of upper leaves rounded,
curving downward.



COMMON DANDELION (*Taraxacum officinale*) Naturalized Biennial-Perennial - Sunflower Family - (All year) - Abundant. Esp disturbed areas - Stem hollow. Leaves bright green with sharp down-pointing lobes. Outer head bracts reflexed. Fruit ~ brown.



JIM BRUSH (*Ceanothus oliganthus* var. *sorediatus*) Native Perennial - Buckthorn Family - (Jan-May) - Slopes, ridges, chaparral, conifer forest - Shrub/tree < 11.5' tall. Twigs red-brown. Leaves alternate, 3 main veins. Flowers blue, purple-blue or whitish.



CALIFORNIA HUCKLEBERRY (*Vaccinium ovatum*) Native Perennial - Heath Family - (Mar-May) - Edges, clearings in conifer forest - Shrub 1.6-10' tall. Leaf 1-2" long, evergreen. Flowers pink, < 0.3" long, 3-10/group. Fruit black, 0.24-0.35" diam.



HAIRY VINE HONEYSUCKLE (*Lonicera hispidula*) Native Perennial - Honeysuckle Family - (May-June) - Canyons, streamsides, woodland - Shrub sprawling-climbing, 6-10' long, short-hairy. Flower cluster densely sticky. Flowers pink, 0.5-0.6" long, sticky-hairy.



SNOWBERRY (*Symphoricarpos albus* var. *laevigatus*) Native Perennial - Honeysuckle Family - (May-July) - Shady woodland, streambanks, N. slopes - Shrub 20-71" tall. Flowers > 8/cluster, pink, 0.16-0.24" long, bell-shaped, swollen on 1 side.



CREeping SNOWBERRY (*Symphoricarpos mollis*) Native Perennial - Honeysuckle Family - (Apr-May) - Ridges, slopes, open places in woodland - Shrub 6-24" tall, sprawling. Flowers < 8/cluster, pink + often red outside, 0.16" long, bell-shaped, symmetrical.



WOOD ROSE (*Rosa gymnocarpa* var. *gymnocarpa*) Native Perennial - Rose Family - ((Feb)Apr-Jul) - Common. Gen in shade of forest, scrub - Shrub w/straight thorns. Flowers gen solitary, stalks sticky, fruit smooth, sepals deciduous.



WHITE ALDER (*Alnus rhombifolia*) Native Perennial - Birch Family - (Apr-June) - Along permanent streams - Tree. Leaves flat, not rusty underneath, margins serrate, not rolled under. Female flowers cone-like. Wood used for furniture and for smoking meats.



CALIFORNIA HAZELNUT (*Corylus cornuta* subsp. *californica*) Native Perennial - Birch Family - (Jan-Mar) - Common. Many habitats, esp moist, shady places - Shrub, small tree < 13' tall. Leaf velvety-hairy. Fruits 0.8-1.2" long in papery bracts, 1-2/group.



CALIFORNIA COFFEE BERRY (*Frangula californica* subsp. *californica*) Native Perennial - Buckthorn Family - (May-Jul) - Coastal-sage scrub, chaparral, forest, woodland - Shrub < 16' tall. Flowers greenish. Leaves smooth beneath.



COAST LIVE OAK (*Quercus agrifolia* var. *agrifolia*) Native Perennial - Oak Family - (Mar-Apr) - Valleys, slopes, mixed-evergreen forest, woodland - Tree 30-80'. Leaves convex, hair-tuft below in vein axils. Acorns on 1st year twigs, shell glabrous inside.



MONTEREY PINE (*Pinus radiata*) Native Perennial - Pine Family - - Closed-cone-pine forest, oak woodland - Tree < 125' tall. Mature bark black, deep-grooved. Needles 3 per bundle, 2.4-5.9" long. Seed cone 2.4-6" long, asymmetric, opening 2nd year.



WESTERN POISON OAK (*Toxicodendron diversilobum*) Native Perennial - Sumac Family - (Apr-Jun) - Canyons, slopes, chaparral, coastal scrub, oak woodland - Shrub or vine. Leaflets 3, red in fall, mid leaflet stalked. Flowers green. Fruits white. TOXIC.



CALIFORNIA SAGEBRUSH (*Artemisia californica*) Native Perennial - Sunflower Family - (Aug-Nov) - Coastal scrub, chaparral, open woodland - Shrub 2-8.5' tall, rounded. Leaves 0.4-4", hairy, thread-like. It green to gray. Flower heads < 5 mm wide. Sage-scented.



WESTERN AMERICAN DOGWOOD (*Cornus sericea* subsp. *occidentalis*) Native Perennial - Dogwood Family - (May-Jul) - Generally moist places - Shrub 5-13' tall. Leaf blades gen 2-4" long, rough-hairy below, veins in 4-7 pairs. Petals white, 0.1-0.2" long.



CANYON GOOSEBERRY (*Ribes menziesii* var. *menziesii*) Native Perennial - Gooseberry Family - (Feb-Apr) - Common. Forest openings, chaparral - Shrub < 10', prickly. Leaves sticky below. Styles glabrous, anthers exerted, sepals purplish.



EASTWOOD MANZANITA (*Arctostaphylos glandulosa* subsp. *glandulosa*) Native Perennial - Heath Family - (Jan-Apr) - Chaparral, conifer forest - Shrub 3-13' tall. Twigs w/gland-tipped hairs, leafy bracts, 0.1-0.2" leaf stalk, burl. Upper leaf surface not shiny.



BLUE ELDERBERRY (*Sambucus nigra* subsp. *caerulea*) Native Perennial - Muskroot Family - (Mar-Sep) - Common. Streambanks, open places in forest - Shrub 7-26' tall. Flower cluster flat-topped, 1.6-13" diam, petals spreading. Fruits waxy blue-black.



OCEANSPRAY (*Holodiscus discolor* var. *discolor*) Native Perennial - Rose Family - (May-Aug) - Moist woodland edges, rocky slopes - Shrub 5-20' tall. Leaf blade 0.6-3.1" long, toothed at end. Flower cluster 0.8-10" long. Petals white, ~0.07" long.



OSO BERRY (*Oemleria cerasiformis*) Native Perennial - Rose Family - (Feb-Apr) - Chaparral, canyons, streambanks, lowland wet to dry open woodland, coast to shaded conifer forest - Shrub 3-20'. Leaf 2-5" long. Flower cluster 1.2-4". Petals white, 0.12-0.24".



PACIFIC NINEBARK (*Physocarpus capitatus*) Native Perennial - Rose Family - (May-Jul) - Moist banks, n-facing slopes, mixed-conifer forest - Shrub 3.3-8'. Leaf blades gen < 4" wide, 3-5 lobed. Petals white, ~0.1" long. Fruits reddish, 0.3-0.4" long.



HIMALAYAN BLACKBERRY (*Rubus armeniacus*) Naturalized Perennial - Rose Family - (Mar-Jun) - Common. Disturbed areas, roadsides - Shrub w/thorny 5-angled stem. Leaflets 3-5, white-hairy beneath. Blackberry-type fruit. **INVASIVE.**



THIMBLEBERRY (*Rubus parviflorus*) Native Perennial - Rose Family - (Mar-Aug) - Common; moist semi-shaded areas, esp edges of woodland - Shrub 0.5-2 m tall, not prickly. Petals 0.5-0.9" long, white. Leaves simple, 3-5 lobed. Raspberry-type fruit.



CALIFORNIA BLACKBERRY (*Rubus ursinus*) Native Perennial - Rose Family - (Mar-Jul) - Open, disturbed areas - Stem round, bristly/prickly. Leaves simple to 3 leaflets, underside green. Plants unisexual. Petals 0.24-0.6" long, white. Blackberry-type fruit.



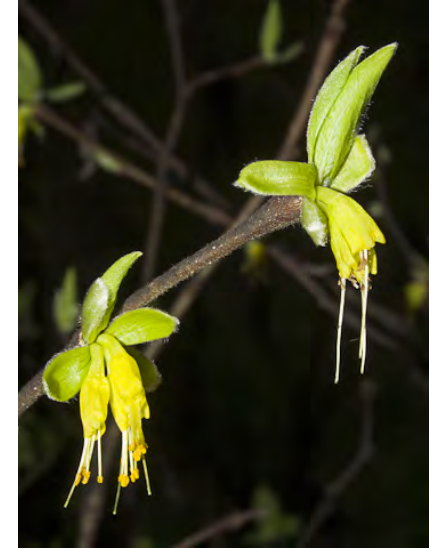
CALIFORNIA BUCKEYE (*Aesculus californica*)
Native Perennial - Soapberry Family - (May-Jun)
- Dry slopes, canyons, borders of streams - Large
shrub or tree 13-39' tall. 5-7 leaflets. Flowers
white to pale rose. Large seeds toxic but edible
after leaching out saponins.



COYOTE BRUSH (*Baccharis pilularis* subsp.
consanguinea) Native Perennial - Sunflower
Family - (Jul-Dec) - Coastal bluffs, woodland,
grassland, disturbed sites, occ on serpentine -
Shrub < 15' tall, brittle, common. Leaves gen
0.6-1.6" long.



SHINYLEAF OREGON-GRAPE (*Berberis pinnata*
subsp. *pinnata*) Native Perennial - Barberry
Family - (Feb-May) - Rocky slopes, conifer
forest, oak woodland, chaparral - Shrub < 7'.
Leaflets w/15-23 spiny teeth, spines < 0.1" long.
Flowers yellow.



WESTERN LEATHERWOOD (*Dirca occidentalis*)
Native Perennial - Daphne Family - (Nov-Mar) -
Gen n facing slopes, mixed-evergreen forest to
chaparral, gen fog belt - Shrub 3-10'. Flowers
yellow, 1-4 per group, open before/with leaves.
CNPS: Fairly ENDANGERED.



CALIFORNIA BAY (*Umbellularia californica*)
Native Perennial - Laurel Family - (Nov-May) -
Common. Canyons, valleys, chaparral - Tree <
150' tall. Leaf 1.2-4", 0.6-1.2" wide, aromatic.
Cluster of 5-10 small, yellow or yellow-green
flowers. Fruit 0.8-1" diam.



BUSH MONKEYFLOWER (*Mimulus aurantiacus*
var. *aurantiacus*) Native Perennial - Lopseed
Family - (Mar-Jun) - Disturbed areas, coastal
cliffs, canyon sides - Shrub 4-60". Flowers yellow,
orange or red; 1-2.3" long; bract tube glabrous.



FRENCH BROOM (*Genista monspessulana*)
Naturalized Perennial - Pea Family - (Mar-Jun) -
Common. Disturbed places. - Shrub < 10' tall,
evergreen. Stems 8-10 ridged, leafy. Flowers
yellow, 4-10 at branch tips, banner 0.4-0.6" long.
NOXIOUS.



GOLDEN-YARROW (*Eriophyllum confertiflorum*
var. *confertiflorum*) Native Perennial - Sunflower
Family - (Apr-Aug) - Many dry habitats -
Shrubby, 8-28" tall. Leaves 0.4-2" long, deeply
3-5 lobed. Flowers yellow; rays 4-6, 0.08-0.2"
long; head bracts 4-7.



ARROYO WILLOW (*Salix lasiolepis*) Native
Perennial - Willow Family - (Jan-Jun) - Common.
Shores, marshes, meadows, etc - Shrub-tree,
bark smooth. Leaf-like stipules. Leaf egg-shaped,
waxy below. Fruit smooth, bract persistent, dark,
stamens 2.

