

Flora of Kings County, California

By David L. Magney

General Information

Kings County is located in the southern part of the San Joaquin Valley, which is part of the Central or Great Valley of California, as shown in Figure 1, General Location Map of Kings County. Kings County occupies 888,038.5 acres (359,377.9 hectares), 1,391 square miles (3,604 km²), ranging in elevation from 175 feet at the bed of the former Tulare Lake to 3,473 feet (1,059 m) on Table Mountain in the Diablo Range on the western boarder of the county. Kings County ranks 24th in geographic area compared to the 58 counties in California.

It is hot and dry in Kings County, with the average high temperature of 63°F and average low of 51°F, and average summer high temperature at 98°F. The majority of the precipitation falls during the winter and early spring, averaging just under 10 inches per year. Tule Fog dominates the valley floor portion of the county during the late winter/early spring.

The county got its name from the Kings River, which drains a small portion of the southern Sierra Nevada to the east into the former Tulare Lake. Tulare Lake also receives runoff from the Tule and Kaweah Rivers, although most of the flows from these three Sierra Nevada rivers never reach the lake bed, which has mostly been converted to farmland.

Kings County has a population of approximately 154,434. Hanford is the County Seat, with a population of approximately 38,000 people. Farming is the primary industry of the county, including dairy, cotton, grapes, almonds, cherries, apricots, nectarines, peaches, pistachios, plums, walnuts, alfalfa, barley, corn, oats, ryegrass, safflower, sorghum, Sudan Grass, wheat, garlic, melons, tomatoes, goats, hogs, and turkeys, occupying approximately 749,100 acres, mostly on the valley floor. Cattle and sheep ranching are also important agricultural commodities raised in Kings County. Agricultural commodities, in ranked in order of importance, of the 10 top commodities are: milk, cotton, cattle, tomatoes, pistachios, alfalfa, corn, walnuts, almonds, and grapes.

At total of 27,314 acres of the county is owned by the federal government, with 4,016 acres owned by the State of California. The State Corrections Department is a major employer in the County, to staff three state prisons.

Kings County is entirely within the California Floristic Province, with the western quarter of the county part of the Inner South Coast Ranges Subregion of the Central West Region. The rest of the county is within the Tulare Basin area of the San Joaquin Valley subregion of the Great Valley Region. The entire county drains to the Tulare Lake Bed, which has no outlet to the ocean. Nearly all of the San Joaquin Valley portion of the County has been converted from natural habitat to agricultural, urban, or commercial/industrial uses.

Kings County has three basic floristic/landform regions:

- Kings River floodplain (northern third of the county),
- Tulare Lake Bed (southeastern third of the county), and
- Inner South Coast Ranges consisting of parallel hills and valleys (southwestern third of county).

Kings River Floodplain

This landform is generally flat with well-developed alluvial/fluvial soils that has for the most part been converted to orchard and row crops. Only remnants of the riparian and associated wetland vegetation remain along the Kings River and its distributaries.

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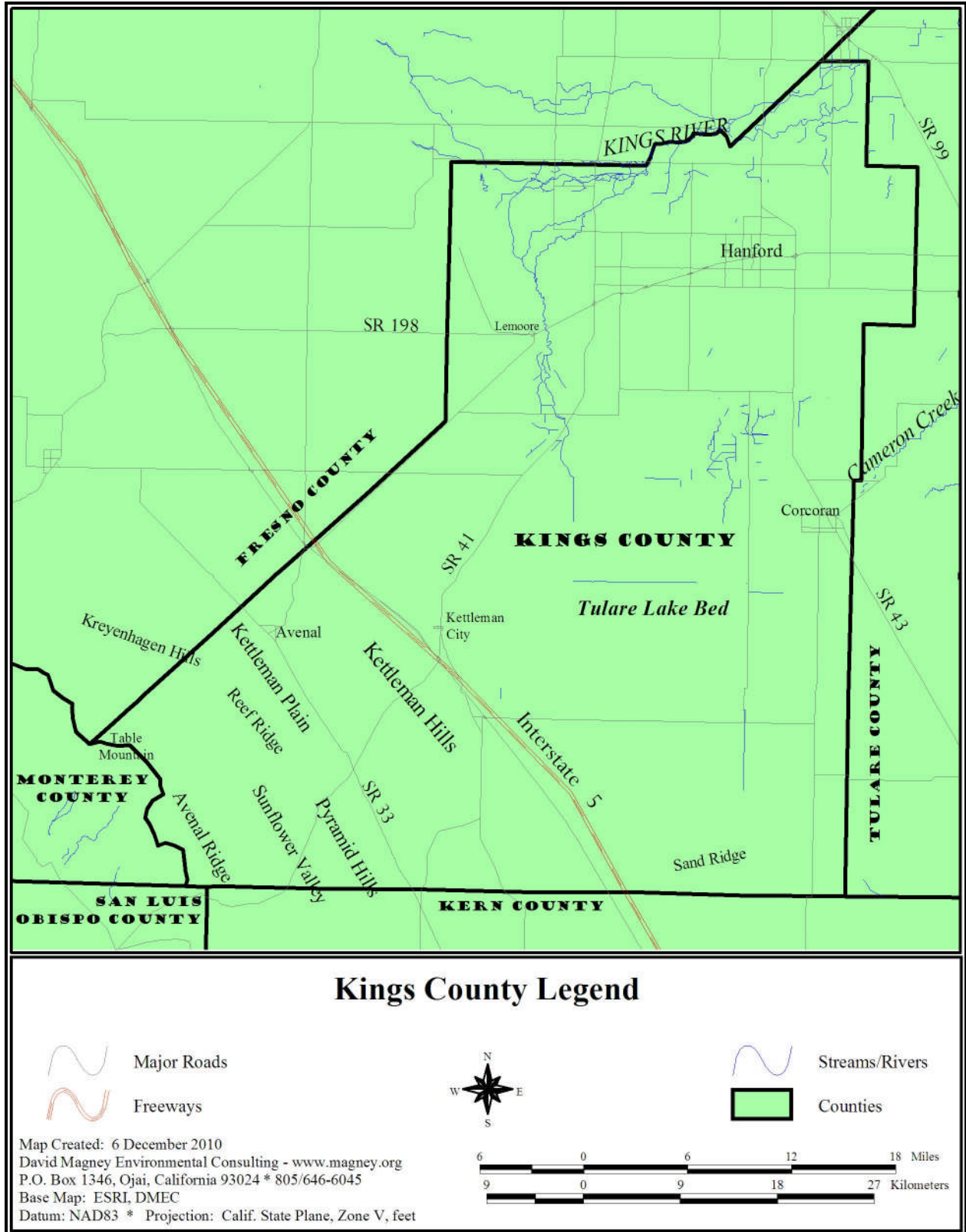
Figure 1. General Location Map of Kings County



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Figure 2. Map of Kings County



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Tulare Lake Bed

The Tulare Lake Bed is the lowest, and generally flat, area of the county, located in the southeastern portion of Kings County. Very little natural habitat remains in this region, most of it having been converted to cropland. Tulare Lake, having been effectively drained through water diversions for agriculture, only rarely reforms during extremely wet winters. It was once an extensive freshwater wetland that supported hundreds of acres of wetlands and thousands of waterfowl. Sand Ridge represents the southern edge of the Tulare Lake Bed, containing a remnant of the Chenopod/Alkali Sink Scrub vegetation that once was much more common in the San Joaquin Valley prior to conversion to croplands.

Inner South Coast Ranges

The southwestern third of Kings County contains a small portion of the Inner South Coast Ranges, which consists of a series of parallel ridges and valleys. It extends west from the Tulare Lake Bed, beginning with the Kettleman Hills, Kettleman Valley, Reef Ridge/Pyramid Hills, Sunflower Valley, and Avenal Ridge as you move westward. The western edge of this area contains Table Mountain, the highest point in the county.

Flora

The vascular plant flora of Kings County consists of approximately 350 native and naturalized taxa in 60 families. There are 209 genera, 342 species, including 99 subspecific (subspecies or variety) taxa, represented in the flora. Of the 351 taxa, 267 (76.1%) are native and 84 (23.9%) are naturalized nonnative taxa.

The Asteraceae is the family with the highest number of taxa/percentage of the flora at 61 taxa, representing 17.4%. The Poaceae is the next largest family with 46 taxa (13.1%), followed by the Boraginaceae (including the former Hydrophyllaceae) at 27 taxa (7.7%), Brassicaceae at 24 taxa (6.8%), Polygonaceae at 18 taxa (5.1%), Chenopodiaceae at 18 taxa (5.1%), and the Fabaceae at 17 taxa (4.8%). The genus with the most representatives is the *Atriplex* with 10 taxa.

This flora was determined by querying the Consortium of California Herbaria¹ and Calflora² online databases, on 15 September 2010 and 16 September 2010, respectively, the California Natural Diversity Database for 2010 (March), and roadside surveys on 20 September, 4 October, and 11 October 2010. Of the 350 taxa identified a being known from Kings County, 337 are supported by one or more voucher collections deposited at one or more California public herbaria. Certainly, there are dozens of taxa occurring in the County that have yet to be documented, so this checklist should be considered preliminary.

The checklist below lists all vascular plants known to occur within Kings County. The plants are listed alphabetically by scientific (botanical) name.

Checklist of Vascular Plants of Kings County

| Botanical Name | Common Name | Habit | Family |
|--|---------------------|-------|---------------|
| <i>Abronia pogonantha</i> | Desert Sand-verbena | PH | Nyctaginaceae |
| <i>Achillea millefolium</i> var. <i>gigantea</i> | Giant White Yarrow | PH | Asteraceae |
| <i>Achnatherum speciosum</i> | Desert Needlegrass | PG | Poaceae |
| <i>Acroptilon repens</i> [<i>Centaurea repens</i>] * | Russian Knapweed | AH | Asteraceae |

¹ Consortium of California Herbaria website: <http://ucjeps.berkeley.edu/consortium/>, accessed on 15 September 2010.

² Calflora website: <http://www.calflora.org/>, accessed on 16 September 2010

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| Botanical Name | Common Name | Habit | Family |
|---|---------------------------------|-------|----------------|
| <i>Ailanthus altissima</i> * | Tree-of-Heaven | T | Simorubaceae |
| <i>Albago pseudalbagi</i> * | Camel Thorn | S | Fabaceae |
| <i>Allenrolfea occidentalis</i> | Iodine Bush | S | Chenopodiaceae |
| <i>Allium fimbriatum</i> var. <i>fimbriatum</i> | Fringed Onion | PG | Alliaceae |
| <i>Alopecurus carolinianus</i> | Tufted Foxtail | AG | Poaceae |
| <i>Alternanthera philoxeroides</i> * | Alligator Weed | PH | Amaranthaceae |
| <i>Amaranthus albus</i> * | Pigweed Amaranth | AH | Amaranthaceae |
| <i>Amaranthus blitoides</i> | Procumbent Pigweed | AH | Amaranthaceae |
| <i>Ambrosia acanthicarpa</i> | Annual Bur-sage | AH | Asteraceae |
| <i>Ammannia coccinea</i> | Long-leaved Purple Ammannia | AH | Lythraceae |
| <i>Amsinckia douglasiana</i> | Douglas Fiddleneck | AH | Boraginaceae |
| <i>Amsinckia menziesii</i> var. <i>intermedia</i> | Rancher's Fire | AH | Boraginaceae |
| <i>Amsinckia menziesii</i> var. <i>menziesii</i> | Common Fiddleneck | AH | Boraginaceae |
| <i>Amsinckia tessellata</i> var. <i>gloriosa</i> | Glorious Fiddleneck | AH | Boraginaceae |
| <i>Amsinckia tessellata</i> var. <i>tesselata</i> | Devil's Lettuce | AH | Boraginaceae |
| <i>Amsinckia vernicosa</i> var. <i>furcata</i> | Forked Fiddleneck | AH | Boraginaceae |
| <i>Amsinckia vernicosa</i> var. <i>vernicosa</i> | Vernal Fiddleneck | AH | Boraginaceae |
| <i>Anemopsis californica</i> | Yerba Mansa | PH | Saururaceae |
| <i>Arundo donax</i> * | Giant Reed | S | Poaceae |
| <i>Asclepias fascicularis</i> | Narrowleaf Milkweed | AH | Asclepidaceae |
| <i>Astragalus didymocarpus</i> var. <i>didymocarpus</i> | Two-sided Milkvetch | AH | Fabaceae |
| <i>Astragalus hornii</i> var. <i>hornii</i> | Horn's Milkvetch | AH | Fabaceae |
| <i>Astragalus lentiginosus</i> var. <i>nigricalycis</i> | Black-sepaled Freckled Locoweed | PH | Fabaceae |
| <i>Astragalus oxyphysus</i> | Diablo Locoweed | PH | Fabaceae |
| <i>Athysanus pusillus</i> | Dwarf Athysanus | AH | Brassicaceae |
| <i>Atriplex argentea</i> var. <i>mohavensis</i> | Mojave Silverscale | AH | Chenopodiaceae |
| <i>Atriplex coronata</i> var. <i>coronata</i> | Crownscale | AH | Chenopodiaceae |
| <i>Atriplex coronata</i> var. <i>vallicola</i> | Lost Hills Crownscale | AH | Chenopodiaceae |
| <i>Atriplex erecticaulis</i> | Earlimart Orache | AH | Chenopodiaceae |
| <i>Atriplex polycarpa</i> | Common Saltbush | S | Chenopodiaceae |
| <i>Atriplex semibaccata</i> * | Australian Saltbush | S | Chenopodiaceae |
| <i>Atriplex serenana</i> var. <i>serenana</i> | Bractscale | AH | Chenopodiaceae |
| <i>Atriplex spinifera</i> | Spiny Saltbush | S | Chenopodiaceae |
| <i>Atriplex suberecta</i> | Australian Annual Saltbush | AH | Chenopodiaceae |
| <i>Atriplex subtilis</i> | Deltoid Bract Saltbush | AH | Chenopodiaceae |
| <i>Avena barbata</i> * | Slender Wild Oats | AG | Poaceae |
| <i>Avena fatua</i> * | Wild Oats | AG | Poaceae |
| <i>Baccharis salicifolia</i> | Mulefat | S | Asteraceae |
| <i>Beta macrocarpa</i> * | Beet | AH | Chenopodiaceae |
| <i>Bidens laevis</i> | Bur-marigold | AH | Asteraceae |
| <i>Blepharizonia laxa</i> | Big Tarweed | AH | Asteraceae |
| <i>Bloomeria crocea</i> var. <i>crocea</i> | Golden Stars | PG | Themidaceae |
| <i>Bolboschoenus maritimus</i> var. <i>paludosus</i> | Alkali Bullrush | PG | Cyperaceae |
| <i>Brassica rapa</i> ssp. <i>sylvestris</i> * | Field Mustard | AH | Brassicaceae |
| <i>Brassica tournefortii</i> * | Saharan Mustard | AH | Brassicaceae |
| <i>Bromus arizonicus</i> | Arizona Brome | AG | Poaceae |
| <i>Bromus berterioanus</i> * | Chilean Chess | AG | Poaceae |
| <i>Bromus carinatus</i> var. <i>carinatus</i> | California Brome | PG | Poaceae |
| <i>Bromus catharticus</i> * | Rescue Grass | AG | Poaceae |

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| Botanical Name | Common Name | Habit | Family |
|--|-------------------------------|-------|-----------------|
| <i>Bromus diandrus</i> * | Ripgut Grass | AG | Poaceae |
| <i>Bromus hordeaceus</i> * | Soft Chess | AG | Poaceae |
| <i>Bromus madritensis</i> ssp. <i>rubens</i> * | Red Brome | AG | Poaceae |
| <i>Calandrinia ciliata</i> | Redmaids | AH | Portulacaceae |
| <i>California macrophylla</i> | Round-leaved Filaree | AH | Geraniaceae |
| <i>Camissonia boothii</i> ssp. <i>decorticans</i> | Booth Shredding Primrose | AH | Onagraceae |
| <i>Camissonia californica</i> | Mustard Primrose | AH | Onagraceae |
| <i>Camissonia campestris</i> ssp. <i>campestris</i> | Mojave Sun-cup | AH | Onagraceae |
| <i>Capsella bursa-pastoris</i> * | Shephard's Purse | AH | Brassicaceae |
| <i>Cardaria chalepensis</i> * | Lens-podded Hoary Cress | PH | Brassicaceae |
| <i>Cardaria draba</i> [<i>Lepidium draba</i>] * | Hoary Cress | PH | Brassicaceae |
| <i>Castilleja attenuata</i> | Attenuate Owl's Clover | AH | Orobanchaceae |
| <i>Castilleja brevistyla</i> | Short Style Owl's Clover | AH | Orobanchaceae |
| <i>Castilleja exserta</i> | Purple Owl's Clover | AH | Orobanchaceae |
| <i>Castilleja subinclusa</i> ssp. <i>subinclusa</i> | Long-leaved Indian Paintbrush | PH | Orobanchaceae |
| <i>Catalpa</i> sp. * | Catalpa | T | Bignoniaceae |
| <i>Caulanthus anceps</i> [<i>Guillenia lemmonii</i>] | Lemmon's Mustard | AH | Brassicaceae |
| <i>Caulanthus californicus</i> | California Jewelflower | AH | Brassicaceae |
| <i>Caulanthus coulteri</i> var. <i>lemmonii</i> | Lemmon's Jewelflower | AH | Brassicaceae |
| <i>Caulanthus inflatus</i> | Desert Candle | AH | Brassicaceae |
| <i>Centromadia pungens</i> ssp. <i>pungens</i> | Common Spikeweed | AH | Asteraceae |
| <i>Centrostegia thurberi</i> var. <i>macrotheca</i> | Thurber Spineflower | AH | Polygonaceae |
| <i>Cephalanthus occidentalis</i> | Buttonwillow Tree | T | Cephalanthaceae |
| <i>Chaenactis fremontii</i> | Fremont Pincushion | AH | Asteraceae |
| <i>Chamaesyce ocellata</i> ssp. <i>ocellata</i> | Little-eye Spurge | AH | Euphorbiaceae |
| <i>Chamomilla occidentalis</i> | Western Chamomile | AH | Asteraceae |
| <i>Chamomilla suaveolens</i> | Pineapple Weed | AH | Asteraceae |
| <i>Chenopodium album</i> * | Lambsquarters | AH | Chenopodiaceae |
| <i>Chenopodium strictum</i> var. <i>glaucophyllum</i> | Late-flowering Goosefoot | AH | Chenopodiaceae |
| <i>Chloris virgata</i> * | Feather Fingergrass | AG | Poaceae |
| <i>Chorispora tenella</i> * | Crossflower | AH | Brassicaceae |
| <i>Chorizanthe xanti</i> var. <i>xanti</i> | Riverside Spineflower | AH | Polygonaceae |
| <i>Cirsium crassicaule</i> | Slough Thistle | A/BH | Asteraceae |
| <i>Cirsium occidentale</i> var. <i>venustum</i> | Cobweb Thistle | A/BH | Asteraceae |
| <i>Clarkia tembloriensis</i> ssp. <i>tembloriensis</i> | Temblor Clarkia | AH | Onagraceae |
| <i>Claytonia parviflora</i> ssp. <i>parviflora</i> | Streambank Springbeauty | AH | Portulacaceae |
| <i>Convolvulus arvensis</i> * | Bindweed | PV | Convolvulaceae |
| <i>Conyza bonariensis</i> * | South American Horseweed | AH | Asteraceae |
| <i>Conyza canadensis</i> | Common Horseweed | AH | Asteraceae |
| <i>Coreopsis calliopsidea</i> | Leafstem Stickseed | AH | Asteraceae |
| <i>Cotula australis</i> * | Southern Brass-buttons | AH | Asteraceae |
| <i>Cressa truxillensis</i> | Spreading Alkaliweed | PH | Convolvulaceae |
| <i>Crypsis schoenoides</i> * | Swamp Pickle Grass | AG | Poaceae |
| <i>Cryptantha flaccida</i> | Weakstem Forget-Me-Not | AH | Boraginaceae |
| <i>Cryptantha intermedia</i> | Clearwater Forget-Me-Not | AH | Boraginaceae |
| <i>Cucumis myriocarpus</i> * | Paddy Melon | AH | Cucurbitaceae |
| <i>Cucurbita foetidissima</i> | Coyote Mellon | PV | Cucurbitaceae |
| <i>Cucurbita palmata</i> | Coyote Mellon | PV | Cucurbitaceae |
| <i>Cuscuta campestris</i> | Field Dodder | AV | Cuscutaceae |

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|--|--------------------------|-------|----------------|
| <i>Cynara cardunculus</i> * | Artichoke Thistle | PH | Asteraceae |
| <i>Cynodon dactylon</i> * | Bermuda Grass | PG | Poaceae |
| <i>Cyperus erythrorhizos</i> | Redroot Flatsedge | PG | Cyperaceae |
| <i>Cyperus esculentus</i> | Yellow Nutsedge | PG | Cyperaceae |
| <i>Cyperus rotundus</i> | Nutgrass | PG | Cyperaceae |
| <i>Cyperus squarrosus</i> | Bearded Flatsedge | PG | Cyperaceae |
| <i>Cyperus strigosus</i> | False Flatsedge | PG | Cyperaceae |
| <i>Cyperus virens</i> | Green Flatsedge | PG | Cyperaceae |
| <i>Cypselea humifusa</i> * | Panal | PH | Aizoaceae |
| <i>Datura stramonium</i> * | Jimson Weed | AH | Solanaceae |
| <i>Datura wrightii</i> | Jimson Weed | AH | Solanaceae |
| <i>Deinandra kelloggii</i> | Kellogg's Tarplant | AH | Asteraceae |
| <i>Deinandra pallida</i> | Kern Tarplant | AH | Asteraceae |
| <i>Deinandra pentactis</i> | Salinas River Tarplant | AH | Asteraceae |
| <i>Delphinium gypsophilum</i> ssp. <i>gypsophilum</i> | Gypsum Larkspur | PH | Ranunculaceae |
| <i>Delphinium recurvatum</i> | Byron Larkspur | PH | Ranunculaceae |
| <i>Deschampsia danthonioides</i> | Annual Hairgrass | AG | Poaceae |
| <i>Dichelostemma capitatum</i> ssp. <i>capitatum</i> | Blue Dicks | PG | Themidaceae |
| <i>Digitalis purpurea</i> ssp. <i>purpurea</i> * | Purple Foxglove | BH | Plantaginaceae |
| <i>Digitaria sanquinalis</i> * | Crabgrass | PG | Poaceae |
| <i>Distichlis spicata</i> | Saltgrass | PG | Poaceae |
| <i>Downingia bella</i> | Hoover's Calicoflower | AH | Campanulaceae |
| <i>Eastwoodia elegans</i> | Yellow Aster | S | Asteraceae |
| <i>Echinochloa colona</i> * | Jungle Rice | AG | Poaceae |
| <i>Echinodorus berteroi</i> | Upright Burhead | AG | Alismataceae |
| <i>Eclipta prostrata</i> | False Daisy | AH | Asteraceae |
| <i>Eleocharis macrostachya</i> | Pale Spikerush | PG | Cyperaceae |
| <i>Epilobium</i> sp. | a Willow-herb | AH | Onagraceae |
| <i>Equisetum laevigatum</i> | Smooth Scouring-rush | PF | Equisetaceae |
| <i>Eragrostis hypnoides</i> | Teal Lovegrass | AG | Poaceae |
| <i>Eragrostis lutescens</i> | Sixweeks Lovegrass | AG | Poaceae |
| <i>Eragrostis mexicana</i> ssp. <i>virescens</i> | Mexican Lovegrass | AG | Poaceae |
| <i>Eragrostis pectinacea</i> var. <i>pectinacea</i> | Tufted Lovegrass | AG | Poaceae |
| <i>Eremalche parryi</i> ssp. <i>parryi</i> | Parry Mallow | AH | Malvaceae |
| <i>Eremocarpus setigerus</i> | Dove Weed | AH | Euphorbiaceae |
| <i>Eriastrum pluriflorum</i> ssp. <i>pluriflorum</i> | Tehachapi Woolly Star | AH | Polemoniaceae |
| <i>Ericameria cuneata</i> var. <i>cuneata</i> | Cliff Goldenbush | S | Asteraceae |
| <i>Ericameria linearifolia</i> | Narrowleaf Goldenbush | S | Asteraceae |
| <i>Eriochloa acuminata</i> var. <i>acuminata</i> | Tapertip Cupgrass | AG | Poaceae |
| <i>Eriodictyon californicum</i> | California Yerba Santa | S | Boraginaceae |
| <i>Eriodictyon tomentosum</i> | Woolly Yerba Santa | S | Boraginaceae |
| <i>Eriogonum angulosum</i> | Anglestem Buckwheat | AH | Polygonaceae |
| <i>Eriogonum fasciculatum</i> var. <i>polifolium</i> | Desert Wild Buckwheat | S | Polygonaceae |
| <i>Eriogonum gossypinum</i> | Cottony Buckwheat | AH | Polygonaceae |
| <i>Eriogonum gracillimum</i> | Rose and White Buckwheat | AH | Polygonaceae |
| <i>Eriogonum roseum</i> | Wand Buckwheat | AH | Polygonaceae |
| <i>Eriogonum temblorense</i> | Temblor Buckwheat | AG | Polygonaceae |
| <i>Eriogonum viridescens</i> | Twotooth Buckwheat | AH | Polygonaceae |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> | Golden Yarrow | S | Asteraceae |

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|---|-----------------------------------|-------|-----------------|
| <i>Erodium brachycarpum</i> * | Short-fruit Filaree | AH | Geraniaceae |
| <i>Erodium cicutarium</i> * | Redstem Filaree | AH | Geraniaceae |
| <i>Erodium moschatum</i> * | Whitestem Filaree | AH | Geraniaceae |
| <i>Erodium texanum</i> | Texas Filaree | AH | Geraniaceae |
| <i>Erysimum capitatum</i> ssp. <i>capitatum</i> | Western Wallflower | BH | Brassicaceae |
| <i>Erysimum moniliforme</i> | Yellow-flowered Wallflower | BH | Brassicaceae |
| <i>Eschscholzia californica</i> | California Poppy | AH | Papaveraceae |
| <i>Eschscholzia crocea</i> | Tufted Poppy | AH | Papaveraceae |
| <i>Eschscholzia lemmonii</i> var. <i>lemmonii</i> | Lemmon Poppy | AH | Papaveraceae |
| <i>Eucalyptus camaldulensis</i> * | River Red Gum | T | Myrtaceae |
| <i>Euthamia occidentalis</i> | Western Goldenrod | PH | Asteraceae |
| <i>Fimbristylis vahlii</i> | Vahl's Fimbristylis | AG | Cyperaceae |
| <i>Foeniculum vulgare</i> * | Sweet Fennel | S | Apiaceae |
| <i>Galium trifidum</i> ssp. <i>columbianum</i> | Threepedal Bedstraw | PV | Rubiaceae |
| <i>Gilia minor</i> | Little Gilia | AH | Polemoniaceae |
| <i>Glycyrrhiza glabra</i> | Licorice Plant | PH | Fabaceae |
| <i>Gnaphalium palustre</i> | Lowland Cudweed | AH | Asteraceae |
| <i>Grindelia hirsutula</i> var. <i>hirsutula</i> | Hairy Gumweed | S | Asteraceae |
| <i>Gutierrezia californica</i> | California Matchweed | S | Asteraceae |
| <i>Gypsophila paniculata</i> * | Baby's Breath | PH | Caryophyllaceae |
| <i>Hazardia stenolepis</i> | Serpentine Bristleweed | S | Asteraceae |
| <i>Helianthus annuus</i> | Common Sunflower | AH | Asteraceae |
| <i>Heliotropium curassavicum</i> ssp. <i>oculatum</i> | Wild Heliotrope | PH | Boraginaceae |
| <i>Heterotheca grandiflora</i> | Telegraph Weed | BH | Asteraceae |
| <i>Hirschfeldia incana</i> * | Summer Mustard | BH | Brassicaceae |
| <i>Hollisteria lanata</i> | False Spikeflower | AH | Polygonaceae |
| <i>Hordeum depressum</i> | Dwarf Barley | AG | Poaceae |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> * | Mediterranean Barley | AG | Poaceae |
| <i>Hordeum murinum</i> ssp. <i>glaucum</i> * | Smooth Barley | AG | Poaceae |
| <i>Hordeum murinum</i> ssp. <i>leporinum</i> * | Hare Barley | AG | Poaceae |
| <i>Hordeum vulgare</i> * | Barley | AG | Poaceae |
| <i>Hydrocotyle verticillata</i> | Whorled Marshpennywort | PH | Araliaceae |
| <i>Isocoma acradenia</i> var. <i>bracteosa</i> | Alkali Goldenbush | S | Asteraceae |
| <i>Juncus balticus</i> | Baltic Rush | PG | Juncaceae |
| <i>Kyllinga brevifolia</i> * | Shortleaf Spikesedge | AG | Cyperaceae |
| <i>Lactuca serriola</i> * | Prickly Wild Lettuce | AH | Asteraceae |
| <i>Laennecia coulteri</i> [<i>Conyza coulteri</i>] | Coulter's Horseweed | AH | Asteraceae |
| <i>Lamium maculatum</i> * | Spotted Henbit | AH | Lamiaceae |
| <i>Lastarriaea coriacea</i> | Leather Spineflower | AH | Polygonaceae |
| <i>Lasthenia californica</i> ssp. <i>californica</i> | California Goldfields | AH | Asteraceae |
| <i>Lasthenia chrysantha</i> | Alkalisink Goldfields | AH | Asteraceae |
| <i>Lasthenia ferrisiae</i> | Ferris Goldfields | AH | Asteraceae |
| <i>Lasthenia gracilis</i> | Needle Goldfields | AH | Asteraceae |
| <i>Lasthenia leptalea</i> | Salinas Valley Goldfields | AH | Asteraceae |
| <i>Lasthenia microglossa</i> | Smallray Goldfields | AH | Asteraceae |
| <i>Lasthenia minor</i> | Coastal Goldfields | AH | Asteraceae |
| <i>Layia glandulosa</i> ssp. <i>glandulosa</i> | Whitedaisy Tidytip | AH | Asteraceae |
| <i>Layia heterotricha</i> | Paleyellow Tidytip | AH | Asteraceae |
| <i>Layia pentachaeta</i> ssp. <i>albida</i> | Sierra Tidytip | AH | Asteraceae |

Flora of Kings County, California

By David L. Magney

| Botanical Name | Common Name | Habit | Family |
|---|-----------------------------------|-------|-----------------|
| <i>Layia platyglossa</i> | Coastal Tidytops | AH | Asteraceae |
| <i>Lepidium appelinum</i> [<i>Cardaria pubescens</i>] * | White-top | PH | Brassicaceae |
| <i>Lepidium dictyotum</i> var. <i>dictyotum</i> | Alkali Peppergrass | AH | Brassicaceae |
| <i>Lepidium latifolium</i> * | Broad-leaved Peppergrass | PH | Brassicaceae |
| <i>Lepidium nitidum</i> var. <i>nitidum</i> | Shining Peppergrass | AH | Brassicaceae |
| <i>Leptochloa fusca</i> ssp. <i>fascicularis</i> | Bearded Sprangletop | PG | Poaceae |
| <i>Leptochloa fusca</i> ssp. <i>uninervia</i> | Mexican Sprangletop | PG | Poaceae |
| <i>Leptosiphon liniflorus</i> | Narrowleaf Flaxflower | AH | Polemoniaceae |
| <i>Leptosiphon parviflorus</i> | Variable Linanthus | AH | Polemoniaceae |
| <i>Lessingia glandulifera</i> var. <i>glandulifera</i> | Valley Lessingia | AH | Asteraceae |
| <i>Lessingia pectinata</i> var. <i>tenuipes</i> | Banded-throat Lessingia | AH | Asteraceae |
| <i>Linanthus dichotomus</i> | Evening Snow | AH | Polemoniaceae |
| <i>Lindernia dubia</i> var. <i>anagallidea</i> | Yellowseed False Pimpernel | AH | Plantaginaceae |
| <i>Loeflingia squarrosa</i> var. <i>squarrosa</i> | Spreading Pygmyleaf | AH | Polemoniaceae |
| <i>Loeseliastrum schottii</i> | Scott's Calico | AH | Polemoniaceae |
| <i>Logfia filaginoides</i> [<i>Filago californica</i>] | California Filago | AH | Asteraceae |
| <i>Lolium multiflorum</i> * | Italian Ryegrass | AG | Poaceae |
| <i>Lolium temulentum</i> ssp. <i>temulentum</i> * | Darnel Ryegrass | AG | Poaceae |
| <i>Lotus purshianus</i> var. <i>purshianus</i> | Spanish Clover | AH | Fabaceae |
| <i>Lotus wrangelianus</i> | Chilean Birds-foot Trefoil | AH | Fabaceae |
| <i>Ludwigia palustris</i> | Marsh Seedbox | PH | Onagraceae |
| <i>Ludwigia peploides</i> ssp. <i>peploides</i> | Floating Seedbox | PH | Onagraceae |
| <i>Lupinus bicolor</i> | Miniature Lupine | AH | Fabaceae |
| <i>Lupinus microcarpus</i> var. <i>horizontalis</i> | Sunset Lupine | AH | Fabaceae |
| <i>Lupinus nanus</i> ssp. <i>menkeriae</i> | Menker's Lupine | AH | Fabaceae |
| <i>Lupinus nanus</i> ssp. <i>nanus</i> | Sky Lupine | AH | Fabaceae |
| <i>Maclura pomifera</i> * | Osage Orange | T | Moraceae |
| <i>Madia radiata</i> | Showy Golden Madia | AH | Asteraceae |
| <i>Malacothamnus aboriginum</i> | Indian Valley Bushmallow | S | Malvaceae |
| <i>Malacothrix coulteri</i> | Snakeheads | AH | Asteraceae |
| <i>Malacothrix glabrata</i> | Smooth Desertdandelion | AH | Asteraceae |
| <i>Malva nicaeensis</i> * | Bull Mallow | AH | Malvaceae |
| <i>Malva parviflora</i> * | Cheeseweed | AH | Malvaceae |
| <i>Malvella leprosa</i> | Alkali Mallow | PH | Malvaceae |
| <i>Marah fabaceus</i> [var. <i>agrestis</i>] | California Man-root | PV | Cucurbitaceae |
| <i>Marsilea vestita</i> ssp. <i>vestita</i> | Hairy Waterclover | PF | Marsileaceae |
| <i>Medicago sativa</i> * | Alfalfa | PH | Fabaceae |
| <i>Melia azedarach</i> * | Chinaberrytree | T | Meliaceae |
| <i>Mentha xpiperita</i> * | Peppermint | PH | Lamiaceae |
| <i>Mentzelia affinis</i> | Yellowcomet | AH | Loasaceae |
| <i>Minuartia californica</i> | California Sandwort | AH | Caryophyllaceae |
| <i>Monardella diabolii</i> | Avenal Coyote Mint | AH | Lamiaceae |
| <i>Monolopia congdonii</i> [<i>Lembertia c.</i>] | San Joaquin Woolly Threads | AH | Asteraceae |
| <i>Monolopia lanceolata</i> | Common Hillside Daisy | AH | Asteraceae |
| <i>Monolopia stricta</i> | Crum's Hillside Daisy | AH | Asteraceae |
| <i>Mucronea perfoliata</i> | Perfoliate Spineflower | AH | Polygonaceae |
| <i>Myosurus minimus</i> ssp. <i>minimus</i> | Tiny Mousetail | AH | Ranunculaceae |
| <i>Myriophyllum aquaticum</i> | Parrot Feather Watermilfoil | PH | Myriophyllaceae |
| <i>Myriophyllum spicatum</i> ssp. <i>spicatum</i> | Eurasian Watermilfoil | PH | Myriophyllaceae |

Flora of Kings County, California

By David L. Magney

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|--|-----------------------------------|-------|-----------------|
| <i>Nama stenocarpum</i> | Mud Fiddleleaf | AH | Boraginaceae |
| <i>Navarretia mitracarpa</i> ssp. <i>mitracarpa</i> | Mitrifruit Pincushion Flower | AH | Polemoniaceae |
| <i>Navarretia nigelliformis</i> | Adobe Navarretia | AH | Polemoniaceae |
| <i>Nymphaea mexicana</i> * | Mexican Water Lily | PH | Nymphaeaceae |
| <i>Oenothera deltoides</i> ssp. <i>cognata</i> | Birdcage Evening Primrose | BH | Onagraceae |
| <i>Parnassia palustris</i> var. <i>californica</i> | California Grass-of-Parnassis | PH | Parnasiaceae |
| <i>Pectocarya anisocarpa</i> | Kettleman City Combseed | AH | Boraginaceae |
| <i>Pectocarya heterocarpa</i> | Chuckwalla Combseed | AH | Boraginaceae |
| <i>Pectocarya linearis</i> ssp. <i>ferocula</i> | Sagebrush Combseed | AH | Boraginaceae |
| <i>Pectocarya setosa</i> | Moth Combseed | AH | Boraginaceae |
| <i>Phacelia ciliata</i> var. <i>ciliata</i> | Great Valley Phacelia | AH | Boraginaceae |
| <i>Phacelia distans</i> | Distant Phacelia | AH | Boraginaceae |
| <i>Phacelia douglasii</i> var. <i>douglasii</i> | Douglas Phacelia | AH | Boraginaceae |
| <i>Phacelia fremontii</i> | Fremont Phacelia | AH | Boraginaceae |
| <i>Phacelia tanacetifolia</i> | Lacy Phacelia | AH | Boraginaceae |
| <i>Phalaris arundinacea</i> * | Reed Canarygrass | PG | Poaceae |
| <i>Phalaris lemmonii</i> | Lemmon's Canarygrass | AG | Poaceae |
| <i>Phlox gracilis</i> | Slender Phlox | AH | Polemoniaceae |
| <i>Pholistoma membranaceum</i> | White Fiestaflower | AH | Boraginaceae |
| <i>Phoradendron macrophyllum</i> | Bigleaf Mistletoe | PH | Viscaceae |
| <i>Phyla lanceolata</i> | Lanceleaf Frogfruit | PH | Verbenaceae |
| <i>Phytolacca americana</i> | Pokeberry | S | Phytolaccaceae |
| <i>Pistacea vera</i> * | Pistachio | T | Anacardiaceae |
| <i>Plagiobothrys arizonicus</i> | Arizona Popcornflower | AH | Boraginaceae |
| <i>Plagiobothrys canescens</i> var. <i>canescens</i> | Valley Popcornflower | AH | Boraginaceae |
| <i>Plagiobothrys infectivus</i> | Dye Popcornflower | AH | Boraginaceae |
| <i>Plagiobothrys leptocladus</i> | Finebranched Popcornflower | AH | Boraginaceae |
| <i>Plantago elongata</i> ssp. <i>elongata</i> | Prairie Plantain | AH | Plantaginaceae |
| <i>Plantago erecta</i> | Dotseed Plantain | AH | Plantaginaceae |
| <i>Plantago ovata</i> | Desert Indianwheat | AH | Plantaginaceae |
| <i>Plantago virginica</i> * | Virginia Plantain | AH | Plantaginaceae |
| <i>Platystemon californicus</i> | California Creamcups | AH | Papaveraceae |
| <i>Plectritis ciliosa</i> ssp. <i>insignis</i> | Longspur Seablush | AH | Valeraniaceae |
| <i>Plectritis macrocera</i> ssp. <i>macrocera</i> | Longhorn Plectritis | AH | Valeraniaceae |
| <i>Pluchea sericea</i> | Arrowweed | S | Asteraceae |
| <i>Poa annua</i> | Annual Bluegrass | AG | Poaceae |
| <i>Poa secunda</i> ssp. <i>secunda</i> | One-sided Bluegrass | PG | Poaceae |
| <i>Polygonum argyrocoleon</i> | Silversheath Knotweed | AH | Polygonaceae |
| <i>Polygonum hydropiperoides</i> | Swamp Smartweed | PH | Polygonaceae |
| <i>Polygonum lapathifolium</i> | Willow Water-weed | PH | Polygonaceae |
| <i>Polygonum punctatum</i> var. <i>punctatum</i> | Dotted Smartweed | PH | Polygonaceae |
| <i>Populus fremontii</i> | Fremont Cottonwood | T | Salicaceae |
| <i>Prosopis glandulosa</i> | Honey Mesquite | S | Fabaceae |
| <i>Pseudognaphalium luteoalbum</i> * | Cudweed Everlasting | PH | Asteraceae |
| <i>Quercus douglasii</i> | Blue Oak | T | Fagaceae |
| <i>Quercus lobata</i> | Valley Oak | T | Fagaceae |
| <i>Quercus wislizenii</i> var. ? | Interior Live Oak | T | Fagaceae |
| <i>Ranunculus cymbalaria</i> [var. <i>saximontanus</i>] | Alkali Buttercup | PG | Ranunculaceae |
| <i>Ribes quercetorum</i> | Rock Gooseberry | S | Grossulariaceae |

Flora of Kings County, California

By David L. Magney

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|---|------------------------------|-------|------------------|
| <i>Rubus ursinus</i> | Pacific Blackberry | PV | Rosaceae |
| <i>Rumex salicifolius</i> var. <i>salicifolius</i> | Willow Dock | PH | Polygonaceae |
| <i>Rumex violascens</i> | Violet Dock | PH | Polygonaceae |
| <i>Sagina apetala</i> | Annual Pearlwort | AH | Rosaceae |
| <i>Salix exigua</i> var. <i>hindsiana</i> | Narrowleaf Willow | S | Salicaceae |
| <i>Salix gooddingii</i> | Black Willow | T | Salicaceae |
| <i>Salix lasiolepis</i> var. <i>lasiolepis</i> | Arroyo Willow | T | Salicaceae |
| <i>Salsola australis</i> * | Australian Thistle | AH | Chenopodiaceae |
| <i>Salsola tragus</i> * | Prickly Russian Thistle | AH | Chenopodiaceae |
| <i>Salvia carduacea</i> | Thistle Sage | AH | Lamiaceae |
| <i>Salvia columbariae</i> | Chia | AH | Lamiaceae |
| <i>Schismus arabicus</i> * | Arabian Grass | AG | Poaceae |
| <i>Schismus barbatus</i> * | Abu Mashī | AG | Poaceae |
| <i>Schoenoplectus acutus</i> var. <i>occidentalis</i> | Tule | S | Cyperaceae |
| <i>Sesuvium verrucosum</i> | Western Sea-purslane | PH | Aizoaceae |
| <i>Setaria sphacelata</i> * | Brittlegrass | PG | Poaceae |
| <i>Sisymbrium altissimum</i> * | Tall Tumblemustard | AH | Brassicaceae |
| <i>Sisymbrium irio</i> * | London Rocket | S | Brassicaceae |
| <i>Sisymbrium orientale</i> * | Oriental Hedge Mustard | AH | Brassicaceae |
| <i>Solanum americanum</i> | American Black Nightshade | PH | Solanaceae |
| <i>Solanum elaeagnifolium</i> * | Silverleaf Nightshade | PH | Solanaceae |
| <i>Solanum rostratum</i> * | Buffalobur Nightshade | PH | Solanaceae |
| <i>Solanum umbelliferum</i> var. <i>umbelliferum</i> | Bluwitch Nightshade | PH | Solanaceae |
| <i>Sorghum bicolor</i> * | Sorghum | AG | Poaceae |
| <i>Sorghum halepense</i> * | Johnsongrass | AG | Poaceae |
| <i>Spergularia marina</i> | Media Sandspurry | AH | Caryophyllaceae |
| <i>Spergularia salina</i> | Salt Sandspurry | AH | Caryophyllaceae |
| <i>Sphaerophysa salsula</i> * | Austrian Peaweed | PH | Fabaceae |
| <i>Stellaria media</i> * | Common Chickweed | AH | Caryophyllaceae |
| <i>Stephanomeria pauciflora</i> var. <i>pauciflora</i> | Brownplume Wirelettuce | AH | Asteraceae |
| <i>Stephanomeria virgata</i> var. <i>pleurocarpa</i> | Twiggy Wreath Plant | AH | Asteraceae |
| <i>Stylomecon heterophylla</i> | Wind Poppy | AH | Papaveraceae |
| <i>Suaeda moquinii</i> | Mojave Seablite | S | Chenopodiaceae |
| <i>Suaeda nigra</i> | Bush Seepweed | S | Chenopodiaceae |
| <i>Tamarix aphylla</i> * | Athel Tamarisk | T | Tamaricaceae |
| <i>Trianthema portulacastrum</i> [<i>Sesuvium</i> p.] | Shoreline Seapurslane | PH | Aizoaceae |
| <i>Tribulus terrestris</i> * | Puncture Vine | AH | Zygophyllaceae |
| <i>Trichostema lanceolatum</i> | Vinegar Weed | AH | Lamiaceae |
| <i>Trichostema ovatum</i> | San Joaquin Bluecurls | AH | Lamiaceae |
| <i>Trifolium albopurpureum</i> var. <i>albopurpureum</i> | Rancheria Clover | AH | Fabaceae |
| <i>Trifolium gracilentum</i> var. <i>gracilentum</i> | Pinpoint Clover | AH | Fabaceae |
| <i>Trifolium willdenovii</i> | Tomcat Clover | AH | Fabaceae |
| <i>Tropidocarpum californicum</i> [<i>Twisselmannia</i> c.] | King's Gold | AH | Brassicaceae |
| <i>Tropidocarpum gracile</i> | Dobie Pod | AH | Brassicaceae |
| <i>Typha domingensis</i> | Southern Cattail | PG | Typhaceae |
| <i>Uropappus lindleyi</i> | Silverpuffs | AH | Asteraceae |
| <i>Urtica dioica</i> | Giant Creek Nettle | PH | Urticaceae |
| <i>Verbascum virgatum</i> * | Mullen | BH | Scrophulariaceae |
| <i>Verbena bracteata</i> | Bigbract Verbena | PH | Verbenaceae |

Flora of Kings County, California

By David L. Magney

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|---|------------------|-------|--------------|
| <i>Vulpia microstachys</i> var. <i>ciliata</i> | Eastwood Fescue | AG | Poaceae |
| <i>Vulpia microstachys</i> var. <i>confusa</i> | Confusing Fescue | AG | Poaceae |
| <i>Vulpia microstachys</i> var. <i>pauciflora</i> | Pacific Fescue | AG | Poaceae |
| <i>Vulpia myuros</i> var. <i>hirsuta</i> * | Rattail Fescue | AG | Poaceae |
| <i>Washingtonia robusta</i> * | Mexican Fan Palm | T | Araceae |
| <i>Yabea microcarpa</i> | False Carrot | AH | Brassicaceae |

Notes: Scientific nomenclature follows Flora of North America Committee (1993-2010), Bailey and Bailey (1976)

for ornamentals, and CNPS (2010) for special-status species (**bold typeface**).

Plants in smaller font are not supported by a voucher collection.

An * indicates non-native taxa that have become naturalized or persist without cultivation.

A + indicates ornamental or agricultural plant species that are actively cultivated.

Common names follow Abrams and Ferris (1960), Bailey and Bailey (1976) for ornamentals, and Hickman (1993),

Niehaus and Ripper (1976), DeGarmo (1980), and Weeden (1986) for natives; some are devised by the author.

Sources: List compiled based on searches of the Consortium of California Herbaria (15 Sep. 2010) and Calflora

(16 Sep. 2010) online databases, and field surveys on 20 September, 4 October, and 11 October 2010.

Growth habit definitions:

AF = annual fern or fern ally.

AG = annual grass or graminoid.

AH = annual herb.

AV = annual vine.

BH = biennial herb.

PF = perennial fern or fern ally.

PG = perennial grass or graminoid.

PH = perennial herb.

PV = perennial vine.

S = shrub.

T = tree.

Please send any new records, especially if they are supported by a voucher collection, to the author at the following address:

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