

Humboldt State University

Digital Commons @ Humboldt State University

Botanical Studies

Open Educational Resources and Data

3-2020

A Checklist of Vascular Plants Endemic to California

James P. Smith Jr

Humboldt State University, james.smith@humboldt.edu

Follow this and additional works at: https://digitalcommons.humboldt.edu/botany_jps



Part of the [Botany Commons](#)

Recommended Citation

Smith, James P. Jr, "A Checklist of Vascular Plants Endemic to California" (2020). *Botanical Studies*. 42. https://digitalcommons.humboldt.edu/botany_jps/42

This Flora of California is brought to you for free and open access by the Open Educational Resources and Data at Digital Commons @ Humboldt State University. It has been accepted for inclusion in Botanical Studies by an authorized administrator of Digital Commons @ Humboldt State University. For more information, please contact kyle.morgan@humboldt.edu.

A LIST OF THE VASCULAR PLANTS ENDEMIC TO CALIFORNIA

Compiled By
 James P. Smith, Jr.
 Professor Emeritus of Botany
 Department of Biological Sciences
 Humboldt State University
 Arcata, California

13 February 2020

CONTENTS

Introduction	1
An Overview	2
Endemic Genera	2
Almost Endemic Genera	3
List of Endemic Plants	4
Plants Endemic to a Single County or Island	24
County and Channel Island Abbreviations . .	28
Bibliography	29

INTRODUCTION

Endemic may be an unfamiliar word. It comes from the Greek and means "in + people." I think we borrowed the term from medicine where it was used to describe a disease or condition that was common, characteristic, or restricted to a particular region or people; later in a broader sense to describe conditions such as poverty or complacency.

In botany and zoology, we use the term to describe a plant or animal that is native to a particular place or region and found naturally no where else.

Alice Eastwood (1947) observed that the single most striking feature of the California flora is its high number of endemics - plants that are native here and nowhere else. The primary purpose of this inventory is to catalog the endemic genera, species, subspecies, and varieties of vascular plants (lycophytes, ferns, gymnosperms, and flowering plants) found in California. I have included plants that are now presumed to be extinct.

I based this checklist on distribution information found in Jepson (1923-1925), Munz (1959, 1968, 1974), Hickman (1993), the *Flora North America North of Mexico* (1993 →), Baldwin et al. (2012), Kartesz (2016), the United States Department of Agriculture's Plants Database, and the Consortium of California Herbaria (my primary source). I have also used a number of recent papers and floras.

Willis Jepson (1923-1925) recognized that the assemblage of plants that characterized our flora excludes the desert province of southwest California and extends beyond its political boundaries to include southwestern Oregon, a small portion of western Nevada, and the northern portion of Baja California, Mexico. This expanded region became known as the California Floristic Province (CFP). Keep in mind that not all plants endemic to California lie within the CFP and others that are endemic to the CFP are not found in California.

There are degrees of endemism. A few plants are known only from the original collection; some from a single naturally occurring population. Others range over many counties. I have included a list of the plants that are restricted to a single county or to only one of the Channel Islands. Some perspective might be useful. San Bernardino County has an area of 20,105 square miles, which makes it larger than any of our nine smallest states and 71 countries. Our smallest county is San Francisco, with 47 square miles.

The first comprehensive statement regarding our state's endemic plants appears in the introductory material in Jepson (1923-1925). He noted that of the 3727 species native to California, 1416 (38%) were endemic. Jepson also explained that some of our endemics are relicts that once had much wider distributions, but now persist in more restricted favorable refugia, while others are more recently evolved and have not had time to expand their range.

HOW MANY ENDEMIC? A REVIEW

	Genera	Species	MRT
Jepson ¹	24	1440	2588
Munz (1959) ²	29	1414	2401
Raven & Axelrod	26	1517	☼
Hickman	25	1416	2153

Burge et al.	⊛	1697	2431
Baldwin et al.	⊛	1315	⊛
Harrison	59	1455	2264

1 - as reported in Howell (1956)
 2 - as reported in Noldeke & Howell (1960)
 MRT = minimum ranked taxa
 ⊛ = not indicated

AN OVERVIEW

My studies report that there are 37 genera, 1636 species, and 2356 minimum ranked taxa of vascular plants endemic to California. The totals are considerably higher than those of any other state. The number of minimum ranked taxa endemic California is only slightly smaller than that found in Florida, Hawaii, and Texas combined.

Using data presented in *The Jepson Manual*, 2.8% of our state's genera are endemic, as are 31% of all taxa, and 36.2% of the native taxa.

The five families with the highest number of endemic taxa are Compositae (332), Leguminosae (216), Scrophulariaceae (177), Polygonaceae (160), and Polemoniaceae (127).

The five genera with the highest number of endemic taxa are *Eriogonum* (108), *Lupinus* (82), *Arctostaphylos* (82), *Astragalus* (70), and *Clarkia* (49).

The five counties or Channel Islands with the highest number of plants restricted to a single county or island are Inyo (39), San Bernardino (36), San Luis Obispo (32), San Diego (25), and Kern (19).

There are 446 minimum rank taxa known from a single county or Channel Island.

NUMERICAL SUMMARY

	Genera	Species	Taxa
Lycophytes	0	1	1
Ferns	0	9	9
Gymnosperms	1	13	15
Flowering Plants	36	1613	2329
Totals	37	1638	2358

A REQUEST

Projects of this sort are subject to inherent difficulties. Authoritative sources differ in their

distribution data and new collections can mean that a plant is no longer endemic. There are judgement calls. Is an occurrence perhaps better treated as an escape from cultivation? Should a single collection from far out of range made decades ago be taken into account?

I ask that you bring errors of commission or omission to my attention at jps2@humboldt.edu.

ENDEMIC GENERA

Compositae

- Benittoa
- Blepharizonia
- Carlquistia
- Constancea
- Eastwoodia
- Harmonia
- Holocarpha
- Holozonia
- Jensia
- Monolopia
- Munzothamnus
- Orochaenactis
- Phalacroseris
- Pseudobahia
- Tracyina

Crassulaceae

- Sedella

Cruciferae

- Sibaropsis

Cupressaceae

- Sequoiadendron

Gramineae

- Neostapfia
- Swallenia

Hydrangeaceae

- Carpenteria

Hydrophyllaceae

- Draperia
- Howellanthus

Papaveraceae

- Hesperomecon

Polygonaceae

- Acanthoscyphus
- Aristocapsa
- Dedeckera
- Dodecahema
- Gilmania
- Hollisteria
- Mucronea
- Systemotheca

Rosaceae
Horkeliella
Lyonothamnus

Scrophulariaceae
Holmgrenanthe
Howelliella

Umbelliferae
Oreonana

ALMOST ENDEMIC GENERA

Using *Cycladenia* as an example, of the three taxa in that genus two are endemic to California and one is also found in Arizona and Utah.

Amaranthaceae
Aphanisma (1 of 1, Baja California)

Anacardiaceae
Malosma (1 of 1, Baja California)

Apocynaceae
Cycladenia (1 of 3 varieties, Arizona & Utah)

Asparagaceae
Bloomeria (2 of 3, Baja California)
Chlorogalum (2 of 5, Baja California & Oregon)
Hastingsia (2 of 2, Oregon)
Hesperocallis (1 of 1, Arizona)
Hesperoyucca (1 of 1, Baja California)
Hooveria (1 of 3, Baja California)
Muilla (2 of 3, Nevada)

Boraginaceae
Pholistoma (3 of 3, Arizona & Baja California)

Campanulaceae
Legenere (1 of 2, Chile)

Cleomaceae
Carsonia (1 of 1, Nevada)
Oxystylis (1 of 1, Nevada)

Compositae
Ambylopappus (1 of 1, Baja & S. America)
Blennosperma (1 of 3, Chile)
Centromadia ((2 of 4, Oregon, Baja California)
Cuniculotinus (1 of 1, Nevada)
Hemizonia (1 of 6 varieties, Oregon)
Kyhosia (1 of 1, Oregon & Nevada)
Lessingsia (1 of 12, Arizona)
Malperia (1 of 1, Mexico)
Pentachaeta (1 of 6, Baja California)
Venegasia (1 of 1, Baja California)
Viguiera (1 of 1, Baja California)

Cruciferae
Thysanocarpus (4 of 5, Mexico)

Cupressaceae

Sequoia (1 of 1, Oregon)

Ericaceae
Ornithostaphylos (1 of 1, Baja California)
Sarcodes (1 of 1, CFP)
Xylococcus (1 of 1, Baja California)

Fagaceae
Notholithocarpus (1 of 1, Oregon)

Gramineae
Orcuttia (1 of 5, Baja California)
Tuctoria (1 of 3, Baja California)

Hydrophyllaceae
Harpagonella (1 of 1, Arizona & Baja California)

Labiatae
Acanthomintha (1 of 4, Baja California)

Leguminosae
Pickeringia (1 of 2 varieties, Baja California)

Liliaceae
Scoliopus (1 of 2, Oregon)

Limnanthaceae
Limnanthes (1 of 7, Oregon)

Malvaceae
Malacothamnus (2 of 12, Baja California)

Palmae
Washingtonia (1 of 2, Arizona & Baja California)

Polygonaceae
Goodmania (1 of 1, Nevada)
Johanneshowellia (1 of 1, Utah)
Nemacaulis (1 of 1, Arizona & Baja California)
Sidotheca (1 of 3, Baja California)

Rosaceae
Adenostoma (2 of 2, Mexico)
Chamaebatia (1 of 2, Baja California)
Heteromeles (1 of 1, Mexico)
Neviusia (1 of 2, southeastern U. S.)

Rutaceae
Cneoridium (1 of 1, Baja California)

Sterculiaceae
Fremontodendron (2 of 3, Arizona & Baja)

Tecophilaeaceae
Odontostomum (1 of 1, Oregon)

Urticaceae
Hesperocnide (1 of 2, Hawai'i)

PLANTS BY GROUP AND FAMILY

The number of endemic species and minimum ranked taxa (including subspecies and varieties) is shown beside each family name. Three-letter abbreviations are shown for plants restricted to a single county or Channel Island. Dates are shown for taxa presumed to be extinct - not collected in the last fifty years. The symbol ✱ indicates that this plant is also known from other counties, where it is presumed extinct. I also treat as endemic to California a few plants that have been collected in southwestern Oregon and Baja California, but not in the last fifty years and are presumably extinct there.

The symbol † beside an entry indicates that because other subspecies or varieties occur outside California, the species itself is not endemic here.

LYCOPHYTES

Selaginellaceae (1 · 1)

Selaginella hansenii

FERNS

Dryopteridaceae (2 · 2)

Polystichum dudleyi
Polystichum imbricans ssp. curtum

Pteridaceae (7 · 7)

Adiantum shastense · SHA
Aspidotis carlotta-halliae
Cheilanthes cooperae
Cheilanthes x fibrillosa · 1882
Pellaea mucronata ssp. californica
Pentagramma pallida
Pentagramma triangularis ssp. semipallida

CONIFERS

Cupressaceae (6 · 7)

Cupressus abramsiana ssp. abramsiana
Cupressus abramsiana ssp. butanoensis · SMT
Cupressus goveniana · MNT
Cupressus macrocarpa · MNT
Cupressus nevadensis
Cupressus pygmaea
Sequoiadendron giganteum

Pinaceae (6 · 7)

Abies bracteata
Abies magnifica var. critchfieldii
Pinus balfouriana ssp. austrina
Pinus torreyana var. insularis · SRO
Pinus torreyana var. torreyana · SDO
Pseudotsuga macrocarpa

Taxaceae (1-1)

Torreya californica

FLOWERING PLANTS

Aceraceae (0 · 2)

Acer glabrum var. greenei †
Acer negundo var. californicum †

Alismataceae ((1 · 1)

Sagittaria sanfordii

Amaranthaceae (11-26)

Atriplex canescens var. macilenta †
Atriplex cordulata var. cordulata
Atriplex cordulata var. erecticaulis
Atriplex coronata var. coronata
Atriplex coronata var. notatior · RIV
Atriplex flavida
Atriplex fruticulosa
Atriplex joaquiniana
Atriplex lentiformis ssp. breweri †
Atriplex parishii var. depressa
Atriplex parishii var. minuscula
Atriplex parishii var. parishii
Atriplex parishii var. persistens
Atriplex serenana var. davidsonii †
Atriplex spinifera
Atriplex subtilis
Atriplex vallicola · CA
Chenopodium brandegeae//
Chenopodium eastwoodiae//
Chenopodium littoreum
Chenopodium luteum//
Chenopodium sandersii//
Chenopodium simpsonii//
Chenopodium twisselmannii//
Chenopodium wahlilii//
Salsola x ryanii
Suaeda californica

Amaryllidaceae (25 · 33)

Allium abramsii
Allium burlewii
Allium cratericola
Allium crispum
Allium denticulatum
Allium diabolense
Allium dichlamydeum
Allium fimbriatum var. mohavense
Allium fimbriatum var. purdyi
Allium hickmanii
Allium hoffmanii
Allium howellii var. clokeyi
Allium howellii var. howellii
Allium howellii var. sanbenitense · SBT (1962)
Allium hyalinum
Allium jepsonii
Allium lacunosum var. davisiae
Allium lacunosum var. kernensis
Allium lacunosum var. lacunosum
Allium lacunosum var. micranthum
Allium marvinii

Allium membranaceum
Allium monticola
Allium munzii · RIV
Allium obtusum var. *conspicuum*
Allium peninsulare var. *franciscanum* · SMT ✨ †
Allium sanbornii var. *congdonii* †
Allium serra
Allium sharsmithiae
Allium shevockii · KRN
Allium tribracteatum
Allium tuolumnense · TUO
Allium yosemitense · MPA

Apocynaceae (3 · 6)

Asclepias californica var. *californica*
Asclepias californica var. *greenei*
Asclepias solanoana
Asclepias vestita
Cycladenia humilis var. *humilis* †
Cycladenia humilis var. *venusta*

Aristolochiaceae (2 · 2)

Aristolochia californica
Asarum lemmonii

Asparagaceae (27 · 36)

Bloomeria crocea var. *aurea* †
Bloomeria crocea var. *montana*
Bloomeria humilis · SLO
Brodiaea appendiculata
Brodiaea filifolia
Brodiaea insignis · TUL
Brodiaea kinkiensis · SCM
Brodiaea leptandra
Brodiaea matsonii · SHA
Brodiaea minor
Brodiaea nana
Brodiaea orcuttii
Brodiaea pallida
Brodiaea rosea
Brodiaea santarosae
Brodiaea sierrae
Brodiaea stellaris
Brodiaea terrestris ssp. *kernensis*
Camassia quamash ssp. *linearis*
Chlorogalum pomeridianum var. *divaricatum* †
Chlorogalum pomeridianum var. *minus*
Chlorogalum purpureum var. *purpureum*
Chlorogalum purpureum var. *reductum* · SLO
Dichelostemma volubile
Dipterostemon capitatus ssp. *lacuna-vernalis* †
Nolina cismontana
Triteleia clementina · SCM
Triteleia dudleyi
Triteleia ixioides ssp. *cookii* †
Triteleia ixioides ssp. *ixioides*
Triteleia ixioides ssp. *unifolia*
Triteleia lilacina
Triteleia lugens
Triteleia montana
Triteleia piutensis · KRN
Triteleia x versicolor · MNT (1935)

Berberidaceae (4 · 4)

Mahonia amplexens
Mahonia dictyota
Mahonia nevinii
Mahonia pinnata ssp. *insularis* · SCZ ✨

Boraginaceae (45 · 56)

Amsinckia douglasiana
Amsinckia eastwoodiae
Amsinckia furcata
Amsinckia grandiflora · SJQ ✨
Amsinckia lunaris
Amsinckia tessellata var. *gloriosa*
Amsinckia vernicosa var. *vernicosa*
Cryptantha circumscissa var. *hispida* †
Cryptantha clokeyi
Cryptantha corollata
Cryptantha crinita
Cryptantha crymophila
Cryptantha dissita
Cryptantha excavata
Cryptantha glomeriflora
Cryptantha hispidula
Cryptantha hooveri · 1939
Cryptantha incana
Cryptantha mariposae
Cryptantha mohavensis
Cryptantha nemaclada
Cryptantha nubigena
Cryptantha rattanii
Cryptantha roosiorum · INY
Cryptantha similis
Cryptantha sparsiflora
Cryptantha spithamea · TUO ✨
Cryptantha traskiae
Hackelia amethystina
Hackelia bella
Hackelia brevicula
Plagiobothrys canescens var. *canescens*
Plagiobothrys canescens var. *catalinensis*
Plagiobothrys chorisianus var. *chorisianus*
Plagiobothrys chorisianus var. *hickmanii*
Plagiobothrys collinus var. *gracilis* †
Plagiobothrys collinus var. *ursinus*
Plagiobothrys diffusus
Plagiobothrys distantiflorus
Plagiobothrys glaber
Plagiobothrys glyptocarpus var. *modestus* †
Plagiobothrys humistratus
Plagiobothrys hystriculus
Plagiobothrys infectivus
Plagiobothrys lithocaryus · 1899
Plagiobothrys mollis var. *vestitus* · SON (1880) †
Plagiobothrys parishii
Plagiobothrys scriptus
Plagiobothrys strictus · NAP ✨
Plagiobothrys tener var. *subglaber* · NAP ✨
Plagiobothrys tener var. *tener* · NAP ✨
Plagiobothrys torreyi var. *difusus* †
Plagiobothrys torreyi var. *perplexans*
Plagiobothrys torreyi var. *torreyi*
Plagiobothrys uncinatus
Plagiobothrys undulatus

Cactaceae (6 · 8)

Coryphanthus alversonii
Cylindropuntia chuckwallensis
Cylindropuntia x fosbergii · SDO
Cylindropuntia ganderi
Opuntia basilaris var. *brachyclada*
Opuntia basilaris var. *treleasei* †
Opuntia x occidentalis
Opuntia x vaseyi

Callitrichaceae (1 · 1)

Callitriche longipedunculata

Campanulaceae (24 · 33)

Campanula angustiflora
Campanula californica
Campanula exigua
Campanula griffinii
Campanula sharsmithiae
Campanula shetleri
Campanula wilkinsiana
Downingia bella
Downingia bicornuta var. *picta* †
Downingia concolor var. *brevior*
Downingia concolor var. *concolor*
Downingia montana
Downingia ornatissima var. *eximia*
Downingia ornatissima var. *ornatissima*
Downingia pulchella
Githopsis diffusa ssp. *filicaulis* · SDO ✨
Githopsis diffusa ssp. *robusta*
Githopsis pulchella ssp. *campestris*
Githopsis pulchella ssp. *pulchella* var. *glabra*
Githopsis pulchella ssp. *pulchella* var. *pulchella*
Githopsis pulchella ssp. *serpentinicola*
Githopsis tenella
Nemacladus calcaratus
Nemacladus californicus
Nemacladus gracilis
Nemacladus interior
Nemacladus montanus
Nemacladus ramosissimus
Nemacladus secundiflorus var. *robbinsii*
Nemacladus secundiflorus var. *secundiflorus*
Nemacladus tenuis var. *albiformis*
Nemacladus tenuis var. *tenuis*
Nemacladus twisselmannii

Caprifoliaceae (1 · 2)

Lonicera subspicata var. *denudata*
Lonicera subspicata var. *subspicata*

Caryophyllaceae (18 · 23)

Eremogone congesta var. *suffrutescens* †
Eremogone macradenia var. *arcuifolia* †
Eremogone ursina · SBD ✨
Eremogone cliftonii
Minuartia decumbens
Minuartia rosei
Minuartia stolonifera · SIS
Paronychia ahartii
Pseudostellaria sierrae
Silene aperta
Silene bridgesii [OR-1887]

Silene campanulata ssp. *campanulata* †
Silene invisā
Silene krantzii · SBD
Silene marmorēnsis · SIS
Silene nelsonii
Silene occidentalis
Silene parishii
Silene salmonacea · TRI
Silene serpentinicola · DNT
Spergularia macrotheca var. *leucantha* †
Spergularia macrotheca var. *longistyla*
Stellaria littoralis

Celastraceae (0 · 1)

Euonymus occidentalis var. *parishii* †

Cistaceae (2 · 2)

Crocanthemum greenei
Crocanthemum suffrutescens

Cleomaceae (0 · 2)

Peritoma arborea var. *globosa* †
Wislizenia refracta ssp. *californica* †

Compositae [Asteraceae] (235 · 332)

Ageratina shastensis · SHA
Agnorhiza bolanderi
Agnorhiza elata
Agnorhiza invenusta
Agnorhiza reticulata · ELD
Agoseris aparioides var. *aparioides* †
Agoseris aparioides var. *eastwoodiae*
Agoseris heterophylla var. *cryptopleura* †
Agoseris hirsuta
Ancistrocarphus keillii · SBA
Anisocarpus scabridus
Antennaria sawyeri · TRI
Arnica dealbata
Arnica venosa
Artemisia nesiotica
Artemisia rothrockii
Artemisia tridentata ssp. *parishii* †
Baccharis malibuensis
Baccharis plummerae ssp. *glabrata*
Baccharis plummerae ssp. *pilularis*
Baccharis plummerae ssp. *plummerae*
Baccharis vanessae · SDO
Balsamorhiza macrolepis
Benitoa occidentalis
Blennosperma bakeri
Blennosperma nanum var. *nanum*
Blennosperma nanum var. *robustum*
Blepharizonia laxa
Blepharizonia plumosa
Calycadenia hooveri
Calycadenia micrantha
Calycadenia mollis
Calycadenia oppositifolia
Calycadenia pauciflora
Calycadenia spicata
Calycadenia villosa
Carlquistia muirii
Centromadia parryi ssp. *congdonii*
Centromadia parryi ssp. *parryi*

Centromadia parryi ssp. *rudis*
Chaenactis carphoclinia var. *peirsonii* †
Chaenactis glabruiscula var. *heterocarpha*
Chaenactis glabruiscula var. *lanosa*
Chaenactis glabruiscula var. *megacephala*
Chaenactis santolinoides
Chaenactis suffrutescens
Cirsium andrewsii
Cirsium crassicaule
Cirsium douglasii var. *douglasii* †
Cirsium fontinale var. *campylon*
Cirsium fontinale var. *fontinale* • SMT ✨
Cirsium fontinale var. *obispoense* • SLO
Cirsium hydrophilum var. *hydrophilum* • SOL
Cirsium hydrophilum var. *vaseyi* • MRN ✨
Cirsium occidentale var. *californicum* †
Cirsium occidentale var. *compactum*
Cirsium occidentale var. *coulteri*
Cirsium occidentale var. *lucianum* • SLO
Cirsium occidentale var. *occidentale*
Cirsium praeteriens • SCL (1901)
Cirsium quercetorum
Cirsium rorthophilum
Cirsium scariosum var. *citrinum* †
Cirsium scariosum var. *loncholepis*
Constancea nevinii
Coreopsis bigelovii
Coreopsis calliopsidea
Coreopsis douglasii
Coreopsis hamiltonii
Coreopsis stillmanii
Deinandra arida • KRN
Deinandra bacigalupii
Deinandra clementina
Deinandra corymbosa
Deinandra halliana
Deinandra increscens ssp. *increscens*
Deinandra increscens ssp. *villosa* • SBA
Deinandra lobbii
Deinandra minthornii
Deinandra mohavensis
Deinandra pallida
Deinandra pentactis
Dieteria canescens var. *zieglerei* • RIV †
Eastwoodia elegans
Enceliopsis covillei • INY
Ericameria cuneata var. *cuneata*
Ericameria cuneata var. *macrocephala* • SDO †
Ericameria ericoides
Ericameria fasciculata • MNT ✨
Ericameria gilmanii • INY ✨
Ericameria nauseosa var. *bernardina* †
Ericameria nauseosa var. *ceruminosa*
Ericameria ophitidis
Ericameria palmeri var. *pachylepis*
Ericameria parishii var. *parishii*
Ericameria parryi var. *imula* • SBD
Ericameria parryi var. *latior* †
Ericameria parryi var. *vulcanica*
Erigeron aequifolius
Erigeron barbellulatus
Erigeron biolettii
Erigeron blochmaniae
Erigeron breweri var. *bisanctus* †
Erigeron breweri var. *covillei*
Erigeron breweri var. *jacinteus*
Erigeron calvus • INY (1891)
Erigeron elmeri
Erigeron foliosus var. *franciscensis* †
Erigeron foliosus var. *hartwegii*
Erigeron greenii
Erigeron inornatus var. *calidipetris* †
Erigeron inornatus var. *keilii*
Erigeron kalmathensis
Erigeron lassenianus var. *deficiens*
Erigeron lassenianus var. *lassenianus*
Erigeron maniopotmanicus
Erigeron mariposanus • MPA (1900)
Erigeron mendocinensis
Erigeron miser
Erigeron multiceps
Erigeron parishii
Erigeron petrophilus var. *sierrensis*
Erigeron petrophilus var. *viscidulus*
Erigeron reductus var. *angustatus*
Erigeron reductus var. *reductus*
Erigeron robustior
Erigeron sanctarum
Erigeron serpentinus • SON
Erigeron supplex
Eriophyllum ambiguum var. *ambiguum* †
Eriophyllum confertiflorum var. *tanacetiflorum*
Eriophyllum congdonii • MPA ✨
Eriophyllum jepsonii
Eriophyllum lanatum var. *arachnoideum* †
Eriophyllum lanatum var. *croceum*
Eriophyllum lanatum var. *hallii*
Eriophyllum lanatum var. *obovatum*
Eriophyllum latilobum
Eriophyllum mohavense
Eriophyllum multicaule
Eriophyllum nubigenum • MPA
Grindelia hallii • SDO
Grindelia stricta var. *angustifolia* †
Grindelia stricta var. *platyphylla*
Harmonia doris-nilesiae
Harmonia guggolziorium • MEN
Harmonia hallii
Harmonia nutans
Harmonia stebbinsii
Hazardia detonsa
Hazardia squarrosa var. *obtusata*
Hazardia squarrosa var. *squarrosa*
Hazardia stenolepis
Hazardia whitneyi var. *whitneyi* †
Helianthella californica var. *californica* †
Helianthella californica var. *shastensis*
Helianthella castanea
Helianthus exilis
Helianthus inexpectatus • LAX
Helianthus nuttallii ssp. *parishii* • LAX ✨ †
Helianthus winteri
Hemizonia congesta ssp. *calyculata* †
Hemizonia congesta ssp. *congesta*
Hemizonia congesta ssp. *lutescens*
Hemizonia congesta ssp. *luzulaefolia*
Hemizonia congesta ssp. *tracyi*
Hesperievax acaulis var. *ambusticola* †

Hesperervax caulescens
Hesperervax sparsiflora var. *sparsiflora* †
Heterotheca monarchensis • FRE
Heterotheca oregona var. *compacta* †
Heterotheca psammophila
Heterotheca scaberrima
Heterotheca sessiliflora ssp. *bolanderi*
Heterotheca sessiliflora ssp. *echioides*
Heterotheca sessiliflora var. *fastigiata*
Heterotheca sessiliflora var. *sanjacintensis*
Heterotheca shevocki • KRN
Hieracium argutum
Holocarpha heermannii
Holocarpha macradenia
Holocarpha obconica
Holocarpha virgata ssp. *elongata*
Holocarpha virgata ssp. *virgata*
Holozonia filipes
Hulsea brevifolia
Hulsea californica • SDO
Hulsea vestita ssp. *callicarpa* †
Hulsea vestita ssp. *gabrielensis*
Hulsea vestita ssp. *parryi*
Hulsea vestita ssp. *pygmaea*
Hulsea vestita ssp. *vestita*
Isocoma acradenia var. *bracteosa*
Isocoma arguta • SOL ✨
Isocoma menziesii var. *diabolica*
Jensia rammii
Jensia yosemitana
Lagophylla diabolensis
Lagophylla dichotoma
Lagophylla glandulosa
Lagophylla minor
Lasthenia burkei
Lasthenia californica ssp. *bakeri* †
Lasthenia californica ssp. *macrantha*
Lasthenia chrysantha
Lasthenia conjugens
Lasthenia debilis
Lasthenia ferrisiae
Lasthenia fremontii
Lasthenia glabrata ssp. *coulteri*
Lasthenia glabrata ssp. *glabrata*
Lasthenia leptalea
Lasthenia microglossa
Lasthenia minor
Lasthenia platycarpa
Layia carnosa
Layia chrysanthemoides
Layia discoidea • SBT
Layia fremontii
Layia gaillardiioides
Layia heterotricha
Layia hieracioides
Layia jonesii • SLO
Layia leucopappa
Layia munzii
Layia pentachaeta ssp. *albida*
Layia pentachaeta ssp. *pentachaeta*
Layia septentrionalis
Lessingia arachnoidea
Lessingia germanorum
Lessingia glandulifera var. *peirsonii* †
Lessingia glandulifera var. *tomentosa*
Lessingia hololeuca
Lessingia leptoclada
Lessingia micradenia var. *glabrata*
Lessingia micradenia var. *micradenia*
Lessingia nana
Lessingia nemaclada
Lessingsia pectinata var. *pectinata*
Lessingsia pectinata var. *tenuipes*
Lessingia ramulosa
Lessingia tenuis
Lessingia virgata
Lorandersonia peirsonii
Madia anomala
Madia x citrigracilis
Madia radiata
Madia subspicata
Malacothrix foliosa ssp. *crispifolia* • ANA
Malacothrix foliosa ssp. *foliosa* • SCM
Malacothrix foliosa ssp. *philbrickii* • SBR
Malacothrix foliosa ssp. *polycephala* • SNI
Malacothrix incana
Malacothrix indecora
Malacothrix junakii • ANA
Malacothrix phaeocarpa
Malacothrix saxatilis var. *arachnoidea*
Malacothrix saxatilis var. *commutata*
Malacothrix saxatilis var. *implicata*
Malacothrix saxatilis var. *saxatilis*
Malacothrix saxatilis var. *tenuifolia*
Malacothrix squalida
Micropus amphibolus
Micropus californicus var. *subvestitus* †
Microseris campestris
Microseris douglasii ssp. *tenella* †
Microseris paludosa
Microseris sylvatica
Monolopia congdonii
Monolopia gracilens
Monolopia lanceolata
Monolopia major
Monolopia stricta
Munzothamnus blairii • SCM
Oreostemma elatum
Oreostemma peirsonii
Orochaenactis thysanocarpha
Packera bernardina
Packera breweri
Packera clevelandii
Packera eurycephala var. *lewisrosei* †
Packera ganderi • SDO
Packera greenii
Packera ionophylla
Packera layneae
Pentachaeta alsinoides
Pentachaeta aurea ssp. *allenii* • ORA
Pentachaeta bellidiflora • SMT ✨
Pentachaeta exilis ssp. *aeolica*
Pentachaeta exilis ssp. *exilis*
Pentachaeta fragilis
Pentachaeta lyonii
Perityle inyoensis • INY
Perityle megaloccephala var. *oligophylla* †
Perityle villosa • INY

Phalacroseris bolanderi
Pseudobahia bahiifolia
Pseudobahia heermannii
Pseudobahia peirsonii
Pseudognaphalium ramosissimum
Psilocarphus brevissimus var. *multiflorus* †
Pyrrocoma lucida
Pyrrocoma racemosa var. *pinetorum* †
Pyrrocoma uniflora var. *gossypina* • SBD †
Raillardella pringlei
Rudbeckia californica
Rudbeckia klamathensis
Senecio astephanus
Senecio blochmaniae
Senecio clarkianus
Sericocarpus oregonensis var. *californicus* †
Solidago confinis
Solidago guiradonis
Solidago spathulata
Stebbinsoseris decipiens
Stephanomeria cichoriacea
Stephanomeria exigua ssp. *carotifera* †
Stephanomeria exigua ssp. *macrocarpa*
Stylocline citroleum • KRN
Stylocline masonii
Symphyotrichum defoliatum
Symphyotrichum greatae • LAX ✨
Symphyotrichum lentum
Syntrichopappus lemmonii
Taraxacum californicum • SBD ✨
Tracyina rostrata
Wyethia glabra
Wyethia helenioides
Wyethia longicaulis
Xylorhiza cognata

Convolvulaceae (12 • 30)

Calystegia atriplicifolia ssp. *buttensis* †
Calystegia collina ssp. *apicum*
Calystegia collina ssp. *collina*
Calystegia collina ssp. *oxyphylla*
Calystegia collina ssp. *tridactylosa*
Calystegia collina ssp. *venusta*
Calystegia felix • SBD ✨
Calystegia macrostegia ssp. *amplissima*
Calystegia macrostegia ssp. *arida*
Calystegia macrostegia ssp. *cyclostegia*
Calystegia macrostegia ssp. *intermedia*
Calystegia malacophylla ssp. *malacophylla*
Calystegia malacophylla ssp. *pedicellata*
Calystegia occidentalis ssp. *fulcrata* †
Calystegia peirsonii
Calystegia purpurata ssp. *purpurata*
Calystegia purpurata ssp. *saxicola*
Calystegia sepium ssp. *binghamiae* • SBD (1965) †
Calystegia stebbinsi
Calystegia subacaulis ssp. *episcopalis*
Calystegia subacaulis ssp. *subacaulis*
Calystegia vanzuukiae
Cuscuta brachycalyx var. *apodanthera* †
Cuscuta brachycalyx var. *brachycalyx*
Cuscuta californica var. *californica* †
Cuscuta californica var. *papillosa*
Cuscuta howelliana

Cuscuta jepsonii
Cuscuta pacifica var. *papillata*
Cuscuta suksdorfii var. *subpedicellata* †

Cornaceae (1 • 1)

Cornus sessilis

Crassulaceae (31-47)

000

Dudleya abramsii ssp. *affinis* • SBD
Dudleya abramsii ssp. *bettinae* • SLO
Dudleya abramsii ssp. *murina* • SLO
Dudleya abramsii ssp. *setchellii*
Dudleya blochmaniae ssp. *insularis* • SRO
Dudleya brevifolia • SDO
Dudleya caespitosa
Dudleya calcicola ssp. *calcicola*
Dudleya candelabrum
Dudleya cymosa ssp. *agourensis* • LAX
Dudleya cymosa ssp. *costatifolia* • TUL
Dudleya cymosa ssp. *crebrifolia* • LAX
Dudleya cymosa ssp. *cymosa*
Dudleya cymosa ssp. *marcescens*
Dudleya cymosa ssp. *ovatifolia*
Dudleya cymosa ssp. *paniculata*
Dudleya cymosa ssp. *pumila*
Dudleya densiflora • LAX
Dudleya gnoma • SRO
Dudleya greenei
Dudleya multicaulis
Dudleya nesiotica • SCZ
Dudleya palmeri
Dudleya parva • VEN ✨
Dudleya saxosa ssp. *aloides*
Dudleya saxosa ssp. *saxosa* †
Dudleya stolonifera • ORA
Dudleya traskiae • SBA
Dudleya verityi • VEN
Dudleya virens ssp. *hassei* • SCT ✨
Dudleya virens ssp. *insularis*
Dudleya virens ssp. *virens*
Dudleya viscida
Sedella leiocarpa • LAK (1943)
Sedella pentandra
Sedella pumila • (1835 Oregon)
Sedum albomarginatum
Sedum citrinum • DNT
Sedum kiersteadiae
Sedum laxum ssp. *eastwoodiae* • MEN
Sedum laxum ssp. *flavidum*
Sedum laxum ssp. *latifolium*
Sedum marmorense • SIS
Sedum obtusatum ssp. *boreale* †
Sedum paradisum ssp. *paradisum*
Sedum paradisum ssp. *subroseum*
Sedum patens • DNT
Sedum radiatum ssp. *radiatum*
Sedum rubiginosum • TEH
Sedum sanhedrinum

Cruciferae [Brassicaceae] (73 • 88)

Arabis blepharophylla
Boechera arcuata
Boechera constancei
Boechera evadens • TUL

Boechera hoffmannii · SBA (1950)
Boechera johnstonii
Boechera parishii · SBD ✨
Boechera peirsonii · SBD
Boechera pygmaea
Boechera rollei · SIS
Boechera rubicundula · SCL (1908)
Boechera serpenticola
Boechera shevockii · TUL
Boechera tularensis
Boechera ultra-alsa · LAK
Boechera yorkii · INY
Cardamine pachystigma
Caulanthus amplexicaulis
Caulanthus anceps
Caulanthus californicus
Caulanthus coulteri
Caulanthus flavescens
Caulanthus inflatus
Caulanthus lemmonii
Caulanthus simulans
Draba carnosula
Draba cruciata
Draba incrassata · MNO
Draba lemmonii
Draba longisquamosa
Draba monoensis
Draba pterosperma · SIS
Draba saxosa · RIV ✨
Draba sharsmithii
Draba sierrae
Erysimum ammophilum
Erysimum franciscanum
Erysimum insulare
Erysimum menziesii
Erysimum suffrutescens
Erysimum teretifolium
Hesperidanthus jaegeri · INY (1954)
Lepidium jaredii
Lepidium oxycarpum
Noccaea fendleri ssp. *californica* †
Physaria kingii ssp. *bernardina* · SBD †
Sibara filifolia
Sibaropsis hammittii
Streptanthus anomalus · MRN
Streptanthus barbatus
Streptanthus barbiger
Streptanthus batrachopus
Streptanthus brachiatus
Streptanthus breweri
Streptanthus callistus · SCL
Streptanthus cordatus var. *piutensis* · KRN †
Streptanthus diversifolius
Streptanthus drepanoides
Streptanthus farnsworthianus
Streptanthus fenestratus
Streptanthus glandulosus ssp. *albidus* · SCL ✨ †
Streptanthus glandulosus ssp. *arkii*
Streptanthus glandulosus ssp. *glandulosus*
Streptanthus glandulosus ssp. *hoffmannii* · SON
Streptanthus glandulosus ssp. *niger*
Streptanthus glandulosus ssp. *pulchellus* · MRN
Streptanthus glandulosus ssp. *raichei*
Streptanthus glandulosus ssp. *secundus* · MRN

Streptanthus glandulosus ssp. *sonomensis*
Streptanthus gracilis
Streptanthus hesperidis
Streptanthus hispidus · CCA
Streptanthus insignis ssp. *insignis*
Streptanthus insignis ssp. *lyonii*
Streptanthus longisiliquus
Streptanthus morrisonii
Streptanthus oblaceolatus · TRI
Streptanthus polygaloides
Streptanthus tortuosus ssp. *truei* · NEV †
Streptanthus vernalis · LAK
Streptanthus vimineus
Thelypodium stenopetalum · SBD ✨
Thysanocarpus conchuliferus · SCZ
Thysanocarpus desertorum
Thysanocarpus laciniatus var. *rigidus*
Tropidocarpum californicum
Tropidocarpum capparideum
Tropidocarpum gracile

Cucurbitaceae (2 · 2)

Marah horrida
Marah watsonii

Cyperaceae (19 · 19)

Carex amplexens
Carex congdonii
Carex cryptosperma
Carex cyrtostachya
Carex globosa
Carex gracilior
Carex hirtissima
Carex lemmonii
Carex obispoensis
Carex orestera
Carex salinaeformis · MEN ✨
Carex sartwelliana
Carex schottii
Carex tompkinsii
Carex xerophila
Eleocharis torticulmis · PLU
Rhynchospora californica
Scirpus diffusus
Trichophorum clementis

Ericaceae (62 · 84)

Arctostaphylos andersonii
Arctostaphylos auriculata
Arctostaphylos bakeri ssp. *bakeri* · SON ✨
Arctostaphylos bakeri ssp. *sublaevis* · SON
Arctostaphylos canescens ssp. *sonomensis*
Arctostaphylos catalinae · SCT
Arctostaphylos confertiflora · SRO
Arctostaphylos crustacea ssp. *crinita*
Arctostaphylos crustacea ssp. *crustacea*
Arctostaphylos crustacea ssp. *eastwoodiana* · SBA
Arctostaphylos crustacea ssp. *insulicola*
Arctostaphylos crustacea ssp. *rosei*
Arctostaphylos crustacea ssp. *subcordata*
Arctostaphylos cruzensis
Arctostaphylos densiflora
Arctostaphylos edmundsii
Arctostaphylos franciscana · SFO (1942)

Arctostaphylos gabilanensis
 Arctostaphylos glandulosa ssp. gabriellensis †
 Arctostaphylos glandulosa ssp. howellii
 Arctostaphylos glandulosa ssp. mollis
 Arctostaphylos glutinosa
 Arctostaphylos x helleri
 Arctostaphylos hookeri ssp. hearstiorum • SLO
 Arctostaphylos hookeri ssp. hookeri
 Arctostaphylos hooveri
 Arctostaphylos imbricata
 Arctostaphylos insularis • SCZ
 Arctostaphylos x jepsonii
 Arctostaphylos klamathensis
 Arctostaphylos x laxiflora • (1940)
 Arctostaphylos luciana • SLO
 Arctostaphylos malloryi
 Arctostaphylos manzanita ssp. elegans
 Arctostaphylos manzanita ssp. glaucescens
 Arctostaphylos manzanita ssp. laevigata
 Arctostaphylos manzanita ssp. manzanita
 Arctostaphylos manzanita ssp. roofii
 Arctostaphylos manzanita ssp. wieslanderii
 Arctostaphylos mewukka ssp. mewukka
 Arctostaphylos mewukka ssp. truei
 Arctostaphylos montana ssp. montana • MRN
 Arctostaphylos montana ssp. ravenii • SFO
 Arctostaphylos montaraensis • SMT
 Arctostaphylos montereyensis
 Arctostaphylos morroensis • SLO ✨
 Arctostaphylos myrtifolia
 Arctostaphylos nevadensis ssp. knightii
 Arctostaphylos nisseniana
 Arctostaphylos nortensis • DNT
 Arctostaphylos nummularia ssp. mendocinoensis • MEN
 Arctostaphylos nummularia ssp. nummularia
 Arctostaphylos obispoensis
 Arctostaphylos ohloneana
 Arctostaphylos osoensis • SLO
 Arctostaphylos otayensis
 Arctostaphylos pacifica • SMT
 Arctostaphylos pajaroensis
 Arctostaphylos pallida
 Arctostaphylos parryana ssp. desertica
 Arctostaphylos parryana ssp. parryana
 Arctostaphylos parryana ssp. tumescens
 Arctostaphylos patula ssp. gankinii
 Arctostaphylos pechoensis
 Arctostaphylos pilosula
 Arctostaphylos pringlei ssp. drupacea
 Arctostaphylos pumila
 Arctostaphylos purissima ssp. globosa • SBA
 Arctostaphylos purissima ssp. purissima • SBA ✨
 Arctostaphylos rainbowensis
 Arctostaphylos refugioensis
 Arctostaphylos regismontana
 Arctostaphylos repens
 Arctostaphylos rudis
 Arctostaphylos sensitiva
 Arctostaphylos silvicola • SCR ✨
 Arctostaphylos stanfordiana ssp. decumbens
 Arctostaphylos stanfordiana ssp. raichei
 Arctostaphylos stanfordiana ssp. stanfordiana
 Arctostaphylos tomentosa ssp. bracteosa
 Arctostaphylos tomentosa ssp. daciticola

Arctostaphylos tomentosa ssp. hebeclada
 Arctostaphylos tomentosa ssp. tomentosa
 Arctostaphylos virgata • MRN
 Arctostaphylos viridissima
 Arctostaphylos viscida ssp. mariposa †
 Cassiope mertensiana ssp. cilliolata
 Comarostaphylos diversifolia ssp. planifolia
 Vaccinium shastense ssp. nevadense
 Vaccinium shastense ssp. shastense • SHA

Euphorbiaceae (4 • 5)

Euphorbia hooveri
 Euphorbia jaegeri
 Euphorbia ocellata ssp. rattanii †
 Euphorbia vallis-mortae
 Tetracoccus ilicifolius • INY

Fagaceae (17 • 20)

Quercus x alvordiana
 Quercus chrysolepis var. nana
 Quercus douglasii
 Quercus durata var. durata
 Quercus durata var. gabriellensis
 Quercus x eplingii • SON ✨
 Quercus x ganderi
 Quercus x grandidentata
 Quercus x howellii • SON ✨
 Quercus john-tuckeri
 Quercus x jolonensis
 Quercus lobata
 Quercus x macdonaldii
 Quercus x munzii
 Quercus pacifica
 Quercus parvula var. parvula
 Quercus parvula var. shrevei
 Quercus parvula var. tamalpaisensis
 Quercus x subconvexa
 Quercus x townei

Gentianaceae (4 • 4)

Frasera neglecta
 Frasera tubulosa
 Zeltnera davyi
 Zeltnera tricanthum

Geraniaceae (1 • 1)

Geranium californicum

Gramineae [Poaceae] (49 • 53)

Agrostis blasdalei
 Agrostis hooveri
 Agrostis lacuna-vernalis • MNT
 Alopecurus aequalis var. sonomensis • MRN ✨ †
 Bromus hallii
 Bromus pseudolaevipes
 Calamagrostis bolanderi
 Calamagrostis foliosa
 Calamagrostis muiriana
 Calamagrostis ophitidis
 Cinna bolanderi
 X Elyhordeum californicum
 Elymus californicus
 Elymus pacificus
 Elymus stebbinsii

Festuca brachyphylla ssp. *breviculmis*
Festuca californica ssp. *hitchcockiana* • SLO †
Festuca californica ssp. *parishii*
Hordeum brachyanthum ssp. *californicum*
Melica californica
Melica geyeri var. *aristulata*
Melica stricta var. *albicaulis*
Melica torreyana
Muhlenbergia californica
Muhlenbergia jonesii
Neostapfia colusana
Orcuttia inaequalis
Orcuttia pilosa
Orcuttia tenuis
Orcuttia viscida • SAC
Panicum acuminatum var. *thermale*
Phalaris californica
Phalaris lemmonii
Pleuropogon californicus var. *californicus*
Pleuropogon californicus var. *davyi*
Pleuropogon hooverianus
Poa atropurpurea
Poa diaboli • SLO
Poa douglasii
Poa keckii
Poa kelloggii
Poa napensis • NAP
Poa sierrae
Poa stebbinsii
Poa tenerrima
Puccinellia howellii • SHA
Stipa kingii
Stipa x latiglumis
Stipa lemmonii var. *pubescens*
Stipa stillmanii
Swallenia alexandrae • INY
Tuctoria greenei
Tuctoria mucronata

Grossulariaceae (10 • 14)

Ribes amarum
Ribes aureum var. *gracillimum*
Ribes californicum var. *californicum*
Ribes californicum var. *hesperium*
Ribes canthariforme
Ribes divaricatum var. *parishii* • 1963 †
Ribes malvaceum var. *malvaceum*
Ribes menziesii var. *ixoderme* †
Ribes roezlii var. *amictum* †
Ribes roezlii var. *roezlii*
Ribes sericeum
Ribes thacherianum • SCZ
Ribes tularense • TUL
Ribes victoris

Guttiferae (Hypericaceae) (1 • 1)

Hypericum concinnum

Hydrangeaceae (1 • 1)

Carpenteria californica

Hydrophyllaceae (42 • 55)

Draperia systyla
Emmenanthe penduliflora var. *rosea*

Howellanthus dalesianus
Nemophila hoplandensis • MEN
Nemophila menziesii var. *menziesii* †
Nemophila parviflora var. *quercifolia* †
Nemophila pulchella var. *fremontii*
Nemophila pulchella var. *gracilis*
Nemophila pulchella var. *pulchella*
Phacelia amabilis • SDO (1942) ☆
Phacelia breweri
Phacelia californica
Phacelia campanularia ssp. *campanularia* †
Phacelia campanularia ssp. *vasiformis*
Phacelia cicutaria var. *cicutaria* †
Phacelia ciliata var. *opaca*
Phacelia cinerea • SNI (1901)
Phacelia congdonii
Phacelia cookei • SIS
Phacelia davidsonii
Phacelia divaricata
Phacelia douglasii var. *douglasii*
Phacelia douglasii var. *petrophila*
Phacelia eisenii var. *brandegeana*
Phacelia eisenii var. *eisenii*
Phacelia exilis
Phacelia greenei • SIS ☆
Phacelia grisea
Phacelia hubbyi
Phacelia humilis var. *dudleyi* †
Phacelia imbricata ssp. *imbricata*
Phacelia insularis var. *continentis*
Phacelia insularis var. *insularis*
Phacelia inyoensis
Phacelia keckii • SDO ☆
Phacelia longipes
Phacelia lyonii
Phacelia marcescens
Phacelia mohavensis
Phacelia nashiana
Phacelia nemoralis ssp. *nemoralis* †
Phacelia novemmillensis
Phacelia orogenes
Phacelia perityloides var. *perityloides* • INY
Phacelia phacelioides
Phacelia platyloba
Phacelia pringlei
Phacelia purpusii
Phacelia quickii
Phacelia racemosa
Phacelia stebbinsii
Phacelia suaveolens
Phacelia vallicola
Phacelia viscida var. *albiflora*
Phacelia vallis-mortae var. *heliophila* †

Iridaceae (8 • 13)

Iris fernaldii
Iris hartwegii ssp. *australis* • SBD ☆
Iris hartwegii ssp. *columbiana*
Iris hartwegii ssp. *hartwegii*
Iris hartwegii ssp. *pinetorum*
Iris longipetala
Iris macrosiphon
Iris munzii
Iris purdyi

Iris tenax ssp. *klamathensis* †
Iris tenuissima ssp. *purdyiformis*
Iris tenuissima ssp. *tenuissima*
Sisyrinchium elmeri

Juglandaceae (2 · 2)

Juglans californica
Juglans hindsii

Juncaceae (2 · 2)

Juncus digitatus
Juncus duranii
Juncus leiospermus var. *ahartii*
Juncus leiospermus var. *leiospermus*
Juncus luciensis
Juncus macrandrus
Juncus phaeocephalus var. *paniculatus* †
Juncus textilis
Juncus triformis

Labiatae [Lamiaceae] (52 · 75)

Acanthomintha duttonii · SMT
Acanthomintha lanceolata
Acanthomintha obovata ssp. *cordata*
Acanthomintha obovata ssp. *obovata*
Agastache parvifolia
Clinopodium mimuloides
Lepechinia calycina
Lepechinia fragrans
Lepechinia rossii
Monardella australis ssp. *australis*
Monardella australis ssp. *cinerea*
Monardella australis ssp. *gabrielensis* · LAX
Monardella australis ssp. *jokersti* · SBD
Monardella australis ssp. *occidentalis* · VEN
Monardella beneolens
Monardella boydi · SBD
Monardella breweri ssp. *breweri* †
Monardella breweri ssp. *glandulifera*
Monardella candicans
Monardella douglasii
Monardella eremicola
Monardella exilis
Monardella follettii
Monardella hypoleuca ssp. *hypoleuca*
Monardella hypoleuca ssp. *intermedia*
Monardella hypoleuca ssp. *lanata*
Monardella leucocephala · (1941)
Monardella linoides ssp. *anemonoides* †
Monardella linoides ssp. *erecta*
Monardella linoides ssp. *oblonga*
Monardella macrantha ssp. *hallii*
Monardella palmeri
Monardella pringlei · (1921)
Monardella purpurea ssp. *neglecta* †
Monardella robisonii
Monardella saxicola
Monardella sinuata ssp. *gerryi* · VEN
Monardella sinuata ssp. *nigrescens*
Monardella sinuata ssp. *sinuata*
Monardella stebbinsii
Monardella undulata ssp. *arguelloensis* · SBA
Monardella undulata ssp. *crispa*

Monardella undulata ssp. *undulata*
Monardella venosa
Monardella villosa ssp. *franciscana* †
Monardella villosa ssp. *obispoensis*
Monardella villosa ssp. *subserata*
Monardella villosa ssp. *villosa*
Monardella viminea
Monardella viridis
Pogogyne abramsii · SDO
Pogogyne clareana · MNT
Pogogyne douglasii
Pogogyne serpylloides
Pycnanthemum californicum
Salvia funerea
Salvia greatae
Salvia x palmeri · SDO ✨
Salvia sonomensis
Salvia spathacea
Scutellaria bolanderi ssp. *austromontana*
Scutellaria bolanderi ssp. *bolanderi*
Scutellaria californica
Scutellaria siphocampyloides
Stachys bergii
Stachys bullata
Stachys chamissonis var. *chamissonis* †
Stachys pycnantha
Stachys stricta
Trichostema austromontanum ssp. *compactum* · RIV †
Trichostema laxum
Trichostema ovatum
Trichostema rubrisepalum
Trichostema ruygtii · NAP

Lauraceae (0 · 1)

Umbellularia californica var. *fresnensis* · FRE †

Leguminosae [Fabaceae] (123 · 216)

000

Amorpha californica var. *napensis* †
Astragalus agnicidus
Astragalus albens · SBD
Astragalus anxius · LAS
Astragalus asymmetricus
Astragalus atratus var. *mensanus* · INY †
Astragalus austinae
Astragalus bernardinus
Astragalus bicristatus
Astragalus brauntonii
Astragalus breweri
Astragalus cimae var. *sufflatus* · INY †
Astragalus clarianus · NAP ✨
Astragalus clevelandii
Astragalus congdonii
Astragalus curtipes
Astragalus deanei · SDO
Astragalus didymocarpus var. *dispersus* †
Astragalus didymocarpus var. *milesianus*
Astragalus douglasii var. *douglasii*
Astragalus douglasii var. *parishii*
Astragalus ertterae · KRN
Astragalus inversus
Astragalus inyoensis
Astragalus jaegerianus · SBD
Astragalus kentrophyta var. *danaus* †
Astragalus lentiformis · PLU ✨

Astragalus lentiginosus var. *albifolius* †
Astragalus lentiginosus var. *antonius*
Astragalus lentiginosus var. *coachellae* • RIV ✨
Astragalus lentiginosus var. *idriensis*
Astragalus lentiginosus var. *ineptus*
Astragalus lentiginosus var. *micans* • INY
Astragalus lentiginosus var. *nigricalycis*
Astragalus lentiginosus var. *piscinensis*
Astragalus lentiginosus var. *semotus*
Astragalus lentiginosus var. *sierrae* • SBD ✨
Astragalus lentiginosus var. *variabilis*
Astragalus leucolobus
Astragalus macrodon
Astragalus miquelensis
Astragalus mohavensis var. *mojavensis* †
Astragalus monoensis • MNO ✨
Astragalus nevinii • SCM ✨
Astragalus nutans • SBD
Astragalus nuttallii var. *nuttallii*
Astragalus nuttallii var. *virgatus*
Astragalus oocarpus
Astragalus oophorus var. *oophorus* †
Astragalus oxyphysus
Astragalus pachypus var. *jaegeri*
Astragalus pachypus var. *pachypus*
Astragalus panamintensis • INY
Astragalus pauperculus
Astragalus purshii var. *lectulus*
Astragalus pycnostachyus var. *lanosissimus* • VEN ✨
Astragalus pycnostachyus var. *pycnostachyus*
Astragalus rattanii var. *jepsonianus*
Astragalus rattanii var. *rattanii*
Astragalus ravenii
Astragalus sepultipes • INY
Astragalus shevockii • TUL
Astragalus subvestitus
Astragalus tener var. *ferrisiae*
Astragalus tener var. *tener*
Astragalus tener var. *titi* • MNT ✨
Astragalus traskiae
Astragalus tricarinatus
Astragalus trichopodus var. *phoxus*
Astragalus trichopodus var. *trichopodus*
Astragalus webberi • PLU
Hoita strobilina • SCL ✨
Lathyrus biflorus • HUM
Lathyrus glandulosus • HUM ✨
Lathyrus jepsonii ssp. *californicus*
Lathyrus jepsonii ssp. *jepsonii*
Lathyrus lanszwertii var. *tracyi* †
Lathyrus vestitus var. *alefeldii* †
Lathyrus vestitus var. *ochropetalus*
Lathyrus vestitus var. *vestitus*
Lotus argophyllus var. *adsurgens*
Lotus argophyllus var. *argenteus*
Lotus argophyllus var. *argophyllus*
Lotus argophyllus var. *fremontii*
Lotus argophyllus var. *niveus* • SCZ
Lotus argyraeus var. *multicaulis* • SBD †
Lotus argyraeus var. *notitius*
Lotus benthamii
Lotus cystoides
Lotus dendroideus var. *dendroideus*
Lotus dendroideus var. *traskiae* • SCM ✨

Lotus dendroideus var. *veatchii*
Lotus grandiflorus var. *grandiflorus*
Lotus grandiflorus var. *macranthus*
Lotus heermannii var. *heermannii*
Lotus heermannii var. *orbicularis*
Lotus incanus
Lotus junceus var. *biolettii*
Lotus junceus var. *junceus*
Lotus nevadensis var. *davidsonii* †
Lotus oblongifolius var. *cupreus* †
Lotus procumbens var. *jepsonii*
Lotus procumbens var. *procumbens*
Lotus rubriflorus
Lotus stipularis var. *ottleyi* †
Lotus stipularis var. *stipularis*
Lotus yollabolliensis
Lupinus adsurgens
Lupinus albifrons var. *abramsii* †
Lupinus albifrons var. *douglasii*
Lupinus angustiflorus
Lupinus antoninus
Lupinus apertus
Lupinus benthamii
Lupinus brevior • RIV ✨
Lupinus breweri var. *grandiflorus* †
Lupinus cervinus
Lupinus chamissonis
Lupinus citrinus var. *citrinus*
Lupinus citrinus var. *deflexus* • MPA
Lupinus congdonii
Lupinus constancei
Lupinus covillei
Lupinus croceus var. *croceus*
Lupinus croceus var. *pilosellus*
Lupinus culbertsonii ssp. *culbertsonii* †
Lupinus culbertsonii ssp. *hypolasius*
Lupinus dalesiae
Lupinus densiflorus var. *aureus* †
Lupinus densiflorus var. *austrocollium*
Lupinus densiflorus var. *glareosus*
Lupinus densiflorus var. *lacteus*
Lupinus densiflorus var. *palustris*
Lupinus duranii • MNO
Lupinus elatus
Lupinus elmeri
Lupinus excubitus var. *austromontanus* †
Lupinus excubitus var. *excubitus*
Lupinus excubitus var. *hallii*
Lupinus excubitus var. *johnstonii*
Lupinus excubitus var. *medius*
Lupinus eximius
Lupinus formosus var. *formosus* †
Lupinus formosus var. *robustus*
Lupinus fulcratus
Lupinus gracilentus
Lupinus grayi
Lupinus horizontalis var. *horizontalis*
Lupinus horizontalis var. *platypetalus*
Lupinus hyacinthinus
Lupinus lapidicola
Lupinus latifolius var. *barbatus* • MOD †
Lupinus latifolius var. *dudleyi*
Lupinus latifolius var. *parishii*
Lupinus latifolius var. *viridifolius*

Lupinus lepidus var. *culbertsonii* †
Lupinus lepidus var. *ramosus*
Lupinus longifolius
Lupinus ludovicianus · SLO
Lupinus magnificus var. *glarecola* · INY
Lupinus magnificus var. *hesperius* · INY (1942)
Lupinus magnificus var. *magnificus* · INY
Lupinus microcarpus var. *densiflorus*
Lupinus microcarpus var. *horizontalis*
Lupinus milo-bakeri · MEN
Lupinus nanus ssp. *latifolius*
Lupinus nanu
Lupinus nipomensis · SLO
Lupinus obtusilobus
Lupinus pachylobus
Lupinus padre-crowleyi
Lupinus peirsonii · LAX ✨
Lupinus pratensis var. *eriostachyus* · INY
Lupinus pratensis var. *pratensis*
Lupinus punto-reyesensis · MRN (1947)
Lupinus purpurascens · SHA (1905)
Lupinus ruber
Lupinus sericatus
Lupinus sparsiflorus ssp. *inopinatus* · RIV ✨ †
Lupinus sparsiflorus ssp. *pondii*
Lupinus sparsiflorus ssp. *sparsiflorus*
Lupinus spectabilis
Lupinus stiversii
Lupinus sublanatus · MNO (1936)
Lupinus subvexus var. *albilanatus* †
Lupinus subvexus var. *phoeniceus* · (1933)
Lupinus subvexus var. *subvexus*
Lupinus tidestromii
Lupinus versicolor
Pickeringia montana var. *montana*
Psoralea arborescens var. *simplifolius* †
Rupertia hallii
Thermopsis californica var. *argentata*
Thermopsis californica var. *californica*
Thermopsis californica var. *semota* · SDO ✨
Thermopsis macrophylla · SBA
Thermopsis robusta
Trifolium albopurpureum var. *columbinum*
Trifolium amoenum
Trifolium barbigerum var. *andrewsii* †
Trifolium bolanderi
Trifolium buckwestiorum
Trifolium depauperatum var. *amplectans* †
Trifolium depauperatum var. *diversifolium*
Trifolium depauperatum var. *stenophyllum*
Trifolium depauperatum var. *truncatum*
Trifolium grayi
Trifolium hydrophilum
Trifolium jokerstii · BUT
Trifolium kingii var. *dedeckeriae* †
Trifolium longipes ssp. *atrorubens* †
Trifolium longipes ssp. *shastense*
Trifolium monanthum ssp. *tenerum* †
Trifolium olivaceum
Trifolium piorkowskii · SHA
Trifolium polyodon
Trifolium trichocalyx

Liliaceae (53 · 63)

Calochortus albus
Calochortus amoenus
Calochortus argillosus
Calochortus catalinae
Calochortus clavatus var. *avius*
Calochortus clavatus var. *clavatus*
Calochortus clavatus var. *gracilis* · LAX
Calochortus clavatus var. *pallidus*
Calochortus clavatus var. *recurvifolius* · SLO
Calochortus coeruleus
Calochortus excavatus
Calochortus fimbriatus
Calochortus invenustus
Calochortus luteus · Oregon (1939)
Calochortus minimus
Calochortus monanthus · SIS (1876)
Calochortus obispoensis · SLO
Calochortus palmeri var. *munzii*
Calochortus palmeri var. *palmeri*
Calochortus plummerae
Calochortus pulchellus
Calochortus raichei · SON
Calochortus rustvoldii
Calochortus simulans
Calochortus superbus
Calochortus syntrophus
Calochortus tiburonensis · MRN
Calochortus umbellatus
Calochortus venustus
Calochortus vestae
Calochortus weedii var. *intermedius*
Calochortus westonii
Erythronium californicum
Erythronium citrinum var. *roderickii*
Erythronium helenae
Erythronium multiscapoideum
Erythronium pluriflorum · MAD
Erythronium purpurascens
Erythronium pusaterii · TUL
Erythronium shastense · SHA
Erythronium taylorii · TUO
Erythronium tuolumnense · TUO
Fritillaria agrestis
Fritillaria biflora var. *biflora*
Fritillaria biflora var. *ineziana* · SMT
Fritillaria brandegeei
Fritillaria falcata
Fritillaria liliacea
Fritillaria micrantha
Fritillaria ojaiensis
Fritillaria pinetorum
Fritillaria pluriflora
Fritillaria striata
Fritillaria viridea
Lilium humboldtii ssp. *humboldtii*
Lilium humboldtii ssp. *ocellatum*
Lilium kelleyanum
Lilium maritimum
Lilium pardalinum ssp. *pitkinense* · SON (1880) †
Lilium pardalinum ssp. *shastense*
Lilium parvum
Lilium rubescens
Lilium washingtonianum var. *washingtonianum* †

Limnanthaceae (3 · 11)

Limnanthes alba ssp. *parishii* †
Limnanthes alba ssp. *versicolor*
Limnanthes bakeri · MEN
Limnanthes douglasii ssp. *nivea* †
Limnanthes douglasii ssp. *ornduffii* · SMT
Limnanthes douglasii ssp. *rosea*
Limnanthes douglasii ssp. *striata*
Limnanthes douglasii ssp. *sulphurea*
Limnanthes floccosa ssp. *californica* †
Limnanthes montana
Limnanthes vinculans

Linaceae (12 · 12)

Hesperolinon adenophyllum
Hesperolinon bicarpellatum
Hesperolinon breweri
Hesperolinon californicum
Hesperolinon clevelandii
Hesperolinon congestum
Hesperolinon didymocarpum
Hesperolinon disjunctum
Hesperolinon drymarioides
Hesperolinon sharsmithiae
Hesperolinon spergulinum
Hesperolinon tehamense

Loasaceae (8 · 9)

Mentzelia crocea
Mentzelia eremophila
Mentzelia gracilentia
Mentzelia lindleyi
Mentzelia monoensis · MNO
Mentzelia pectinata
Mentzelia ravenii
Mentzelia tridentata
Petalonyx thurberi ssp. *gilmanii* · INY †

Malvaceae (26 · 47)

Eremalche parryi ssp. *kernensis*
Eremalche parryi ssp. *parryi*
Malacothamnus abbottii · MNT
Malacothamnus aboriginum
Malacothamnus clementinus · SCM ✨
Malacothamnus davidsonii
Malacothamnus enigmaticus · SDO
Malacothamnus fasciculatus var. *catalinensis* · SCT †
Malacothamnus fasciculatus var. *nesioticus* · SCZ
Malacothamnus fasciculatus var. *nuttallii*
Malacothamnus fremontii
Malacothamnus hallii
Malacothamnus jonesii
Malacothamnus orbiculatus
Malacothamnus palmeri var. *involucratus*
Malacothamnus palmeri var. *palmeri*
Malva assurgentiflora
Sidalcea calycosa ssp. *calycosa*
Sidalcea calycosa ssp. *rhizomata*
Sidalcea celata
Sidalcea covillei
Sidalcea diploscypha
Sidalcea gigantea
Sidalcea hartwegii
Sidalcea hickmanii ssp. *anomala*

Sidalcea hickmanii ssp. *hickmanii*
Sidalcea hickmanii ssp. *napensis* · NAP
Sidalcea hickmanii ssp. *parishii*
Sidalcea hickmanii ssp. *pillsburiensis* · LAK
Sidalcea hickmanii ssp. *viridis*
Sidalcea hirsuta
Sidalcea keckii
Sidalcea malvaeflora ssp. *californica* †
Sidalcea malvaeflora ssp. *dolosa* · SBD ✨
Sidalcea malvaeflora ssp. *laciniata*
Sidalcea malvaeflora ssp. *malvaeflora*
Sidalcea malvaeflora ssp. *purpurea*
Sidalcea malvaeflora ssp. *rostrata*
Sidalcea oregana ssp. *eximia* †
Sidalcea oregana ssp. *hydrophila*
Sidalcea oregana ssp. *valida* · SON
Sidalcea pedata
Sidalcea ranunculacea
Sidalcea reptans
Sidalcea robusta
Sidalcea stipularis · NEV
Sphaeralcea rusbyi ssp. *eremicola* †

Melanthiaceae (6 · 8)

Trillium angustipetalum
Trillium chloropetalum var. *chloropetalum*
Trillium chloropetalum var. *giganteum*
Trillium ovatum ssp. *oettingeri* †
Veratrum fimbriatum
Zigadenus brevibracteatus
Zigadenus exaltatus
Zigadenus fontanus

Montiaceae (14 · 20)

Calyptridium parryi var. *hesseae* †
Calyptridium parryi var. *parryi*
Calyptridium pulchellum
Calyptridium pygmaeum
Calyptridium quadripetalum
Claytonia gypsophiloides
Claytonia obovata
Claytonia palustris
Claytonia parviflora ssp. *grandiflora* †
Claytonia peirsonii ssp. *bernardinus*
Claytonia peirsonii ssp. *californiacis* · SBD
Claytonia peirsonii ssp. *peirsonii*
Claytonia peirsonii ssp. *yorkii*
Lewisia cantelovii
Lewisia congdonii
Lewisia cotyledon var. *heckneri* · TRI †
Lewisia disepala
Lewisia glandulosa
Lewisia kelloggii ssp. *hutchisonii* †
Lewisia kelloggii ssp. *kelloggii*
Lewisia longipetala
Lewisia serrata · ELD
Lewisia stebbinsii · MEN

Myricaceae (1 · 1)

Myrica hartwegii

Namaceae (6 · 9)

Eriodictyon altissimum
Eriodictyon capitatum · SBA

Eriodictyon crassifolium var. crassifolium
Eriodictyon crassifolium var. nigrescens
Eriodictyon tomentosum
Eriodictyon traskiae var. smithii
Eriodictyon traskiae var. traskiae · SCT
Eriodictyon trichocalyx var. trichocalyx †
Nama demissum var. covillei

Nyctaginaceae (4 · 4)

Abronia alpina · TUL
Abronia x neurophylla · VEN (1901)
Anuloaulis annulatus
Mirabilis greenei

Oleaceae (0 · 1)

Menodora spinescens var. mohavensis · SBA †

Onagraceae (49 · 72)

Camissonia benitensis · SBT
Camissonia campestris ssp. obispoensis †
Camissonia cardiophylla ssp. robusta · INY †
Camissonia claviformis ssp. lancifolia †
Camissonia guadalupensis ssp. clementina · SCM
Camissonia hardhamiae
Camissonia integrifolia · KRN
Camissonia kernensis ssp. kernensis †
Camissonia lacustris
Camissonia luciae
Camissonia micrantha
Camissonia pallida ssp. hallii †
Camissonia sierrae ssp. alticola
Camissonia sierrae ssp. sierrae
Clarkia affinis
Clarkia amoena ssp. whitneyi †
Clarkia arcuata
Clarkia australis
Clarkia biloba ssp. australis
Clarkia biloba ssp. biloba
Clarkia biloba ssp. brandegeae
Clarkia borealis ssp. arida
Clarkia borealis ssp. borealis
Clarkia bottae
Clarkia breweri
Clarkia concinna ssp. automixa · SCL ✨
Clarkia concinna ssp. concinna
Clarkia concinna ssp. raichei · MRN
Clarkia cylindrica ssp. clavicularpa
Clarkia cylindrica ssp. cylindrica
Clarkia davyi
Clarkia dudleyana
Clarkia exilis
Clarkia franciscana
Clarkia gracilis ssp. albicaulis †
Clarkia gracilis ssp. tracyi
Clarkia imbricata · SON
Clarkia jolonensis · MNT
Clarkia lewisii
Clarkia lingulata
Clarkia mildrediae ssp. lutescens
Clarkia mildrediae ssp. mildrediae
Clarkia modesta
Clarkia mosquinii
Clarkia prostrata · MPA ✨
Clarkia rostrata · STA ✨

Clarkia rubicunda
Clarkia similis
Clarkia speciosa ssp. immaculata · SLO
Clarkia speciosa ssp. nitens
Clarkia speciosa ssp. polyantha
Clarkia speciosa ssp. speciosa
Clarkia springvillensis · TUL
Clarkia stellata
Clarkia tembloriensis ssp. calientensis · KRN
Clarkia tembloriensis ssp. longistyla
Clarkia tembloriensis ssp. tembloriensis
Clarkia unguiculata
Clarkia virgata
Clarkia williamsonii
Clarkia xantiana ssp. parviflora
Clarkia xantiana ssp. xantiana
Epilobium cleistogamum
Epilobium howellii
Epilobium nivium
Epilobium septentrionale
Gayophytum eriospermum
Gayophytum oligospermum
Oenothera californica ssp. eurekaensis · INY †
Oenothera deltoides ssp. cognata †
Oenothera deltoides ssp. howellii · CCA ✨
Oenothera elata ssp. hookeri

Orchidaceae (5 · 6)

Piperia colemanii
Piperia elegans ssp. decurtata · MRN †
Piperia michaelii
Piperia yadonii · MNT
Platanthera x lassenii · INY
Platanthera yosemitensis

Papaveraceae (16 · 19)

Argemone munita var. robusta
Canbya candida
Corydalis caseana ssp. caseana †
Dendromecon harfordii
Dicentra nevadensis
Ehrendorferia ochroleuca
Eschscholzia androuxii
Eschscholzia hypocoides
Eschscholzia lemmonii ssp. kernensis · KRN
Eschscholzia lemmonii ssp. lemmonii
Eschscholzia lobbii
Eschscholzia minutiflora ssp. twisselmannii · KRN †
Eschscholzia papastillii
Eschscholzia rhombipetala
Hesperomecon linearis
Meconella californica
Meconella denticulata
Papaver californicum
Platystemon californicus var. ciliatus · SBR (1940) †
Romneya coulteri

Plantaginaceae (0 · 1)

Plantago bigelovii ssp. californica †

Polemoniaceae (77 · 124)

Allophyllum divaricatum
Collomia diversifolia
Collomia rawsoniana

Check #

Collomia tracyi
Eriastrum abramsii
Eriastrum brandegeae
Eriastrum calocyanum
Eriastrum densifolium ssp. *austromontanum*
Eriastrum densifolium ssp. *densifolium*
Eriastrum densifolium ssp. *mohavense*
Eriastrum densifolium ssp. *patens* · SLO
Eriastrum densifolium ssp. *sanctorum* · SBD ✨
Eriastrum diffusum ssp. *coachellae*
Eriastrum ertterae · CCA
Eriastrum harwoodii
Eriastrum hooveri
Eriastrum luteum
Eriastrum pluriflorum ssp. *albifaux*
Eriastrum pluriflorum ssp. *pluriflorum*
Eriastrum pluriflorum ssp. *sherman-hoytia*
Eriastrum rosamondense · LAX
Eriastrum sapphirinum ssp. *brevibracteatum*
Eriastrum tracyi
Eriastrum virgatum
Gilia achilleifolia ssp. *achilleifolia*
Gilia austro-occidentalis
Gilia brecciarum ssp. *neglecta*
Gilia cana ssp. *bernardina* · SBD †
Gilia cana ssp. *cana*
Gilia cana ssp. *speciosa*
Gilia capitata ssp. *chamissonis* †
Gilia capitata ssp. *mediomontana*
Gilia capitata ssp. *pedemontana*
Gilia capitata ssp. *tomentosa*
Gilia interior
Gilia jacens
Gilia latiflora ssp. *cuyamensis* †
Gilia latiflora ssp. *davyi*
Gilia latiflora ssp. *elongata*
Gilia latiflora ssp. *latiflora*
Gilia leptantha ssp. *leptantha* · SBD
Gilia leptantha ssp. *pinetorum*
Gilia leptantha ssp. *purpusii*
Gilia leptantha ssp. *transversa*
Gilia ochroleuca ssp. *bizonata* †
Gilia ochroleuca ssp. *lanosa*
Gilia ochroleuca ssp. *minima*
Gilia ochroleuca ssp. *ochroleuca*
Gilia ochroleuca ssp. *vivida*
Gilia tenuiflora ssp. *amplifaucalis*
Gilia tenuiflora ssp. *arenaria* · MNT
Gilia tenuiflora ssp. *hoffmannii* · SRO
Gilia tenuiflora ssp. *tenuiflora*
Gilia tricolor ssp. *diffusa* †
Gilia tricolor ssp. *tricolor*
Gilia yorkii · FRE
Ipomopsis aggregata ssp. *bridgesii* †
Leptodactylon californicum
Leptodactylon jaegeri · RIV ✨
Leptosiphon acicularis
Leptosiphon ambiguus
Leptosiphon androsaceus
Leptosiphon breviculus
Leptosiphon chrysanthus ssp. *decorus*
Leptosiphon filipes
Leptosiphon floribundus ssp. *hallii* · RIV ✨
Leptosiphon grandiflorus

Leptosiphon jepsonii
Leptosiphon latisectus
Leptosiphon maculatus ssp. *emaculatus*
Leptosiphon montanus
Leptosiphon nudatus
Leptosiphon nuttallii ssp. *howellii* · TEH †
Leptosiphon oblanceolatus
Leptosiphon pygmaeus ssp. *continentalis*
Leptosiphon rattanii
Leptosiphon rosaceus · SMT ✨
Leptosiphon serrulatus
Linanthus bernardinus · SBD
Linanthus concinnus
Linanthus dichotomus ssp. *meridianus* †
Linanthus killipii · SBD
Linanthus maculatus ssp. *emaculatus*
Linanthus maculatus ssp. *maculatus*
Linanthus parryae
Navarretia cotulifolia
Navarretia crystallina
Navarretia eriocephala
Navarretia filicaulis
Navarretia gowenii
Navarretia hamata ssp. *parviloba*
Navarretia heterodoxa
Navarretia jepsonii
Navarretia leucocephala ssp. *bakeri* †
Navarretia leucocephala ssp. *pauciflora*
Navarretia leucocephala ssp. *plieantha*
Navarretia mellita
Navarretia mitracarpa
Navarretia miwukensis
Navarretia myersii ssp. *deminuta*
Navarretia myersii ssp. *myersii*
Navarretia nigelliformis ssp. *nigelliformis*
Navarretia nigelliformis ssp. *radians*
Navarretia ojaiensis
Navarretia paradoxiclara
Navarretia paraxoxinota
Navarretia prolifera ssp. *lutea* · ELD ✨
Navarretia prolifera ssp. *prolifera*
Navarretia prostrata
Navarretia rosulata
Navarretia setiloba
Navarretia sinistra ssp. *pinnatisecta* †
Navarretia viscidula ssp. *purpurea*
Navarretia viscidula ssp. *viscidula*
Phlox dispersa
Phlox dolichantha · SBD ✨
Phlox hirsuta · SIS
Polemonium chartaceum
Polemonium eddyense · SIS
Polemonium eximium
Polemonium pulcherrimum var. *shastense* †
Saltugilia latimeri
Saltugilia splendens ssp. *grantii*
Saltugilia splendens ssp. *splendens*

Polygalaceae (1 · 1)

Rhinotropis cornuta var. *cornuta*

Polygonaceae (77 · 122)

Acanthoscyphus parishii var. *abramsii*
Acanthoscyphus parishii var. *cienegensis* · SBD

Acanthoscyphus parishii var. *goodmaniana* • SBD
Acanthoscyphus parishii var. *parishii*
Aristocapsa insignis • SLO ✨
Chorizanthe angustifolia
Chorizanthe aphanantha • SLO
Chorizanthe biloba var. *biloba*
Chorizanthe biloba var. *immemora* • SBT ✨
Chorizanthe blakleyi • SBA
Chorizanthe breweri
Chorizanthe clevelandii
Chorizanthe cuspidata var. *cuspidata*
Chorizanthe cuspidata var. *villosa*
Chorizanthe diffusa
Chorizanthe douglasii
Chorizanthe howellii • MEN
Chorizanthe minutiflora • MNT
Chorizanthe obovata
Chorizanthe orcuttiana • SDO
Chorizanthe palmeri
Chorizanthe parryi var. *fernandina*
Chorizanthe parryi var. *parryi*
Chorizanthe polygonoides var. *polygonoides*
Chorizanthe pungens var. *hartwegiana* • SCR ✨
Chorizanthe pungens var. *pungens*
Chorizanthe rectispina
Chorizanthe robusta var. *hartwegii*
Chorizanthe robusta var. *robusta*
Chorizanthe spinosa
Chorizanthe staticoides
Chorizanthe stellulata
Chorizanthe uniaristata
Chorizanthe valida • MRN ✨
Chorizanthe ventricosa
Chorizanthe wheeleri
Chorizanthe xanti var. *leucotheca* • RIV
Chorizanthe xanti var. *xanti*
Dedeckera eurekaensis • INY
Dodecahema leptoceras
Eriogonum alpinum
Eriogonum angulosum
Eriogonum apiculatum
Eriogonum apricum var. *apricum* • AMA
Eriogonum apricum var. *prostratum* • AMA
Eriogonum arborescens
Eriogonum argillosum • SBT ✨
Eriogonum x blissianum • SBA
Eriogonum breedlovei var. *breedlovei* • KRN
Eriogonum breedlovei var. *shevockii*
Eriogonum butterworthianum • MNT
Eriogonum callistum • KRN
Eriogonum cedrorum • SON
Eriogonum cinereum
Eriogonum cithariforme var. *agninum*
Eriogonum cithariforme var. *cithariforme*
Eriogonum congdonii
Eriogonum covilleianum
Eriogonum crocatum • Ventura
Eriogonum dasyanthemum
Eriogonum eastwoodianum • FRE
Eriogonum elegans
Eriogonum eremicola • INY ✨
Eriogonum giganteum var. *compactum* • SBR
Eriogonum giganteum var. *formosum* • SCL
Eriogonum giganteum var. *giganteum* • SCT
Eriogonum gilmanii • INY
Eriogonum gossypinum
Eriogonum gracillimum
Eriogonum grande var. *grande*
Eriogonum grande var. *rubescens*
Eriogonum grande var. *timorum* • SNI
Eriogonum heermannii var. *heermannii*
Eriogonum heermannii var. *occidentale*
Eriogonum hirtellum • SIS
Eriogonum hirtiflorum
Eriogonum hoffmannii var. *hoffmannii* • INY
Eriogonum hoffmannii var. *robustius* • INY
Eriogonum inerme var. *hispidulum*
Eriogonum intrafractum • INY ✨
Eriogonum kelloggii • MEN
Eriogonum kennedyi var. *alpinum* ‡
Eriogonum kennedyi var. *austromontanum* • SBD
Eriogonum kennedyi var. *kennedyi*
Eriogonum kennedyi var. *pinicola* • KRN
Eriogonum libertini
Eriogonum luteolum var. *caninum* ‡
Eriogonum luteolum var. *pedunculatum*
Eriogonum luteolum var. *saltuorum* • TUO
Eriogonum marifolium var. *cupulatum* • SIS ‡
Eriogonum microthecum var. *alpinum* ‡
Eriogonum microthecum var. *corymbosoides*
Eriogonum microthecum var. *johnstonii*
Eriogonum microthecum var. *lacus-ursi* • SBD
Eriogonum microthecum var. *panamintense* • INY
Eriogonum mohavense
Eriogonum molestum
Eriogonum nervulosum
Eriogonum nortonii
Eriogonum nudum var. *auriculatum* ‡
Eriogonum nudum var. *decurrens*
Eriogonum nudum var. *indictum*
Eriogonum nudum var. *murinum* • TUL
Eriogonum nudum var. *psychicola* • CCA
Eriogonum nudum var. *regirivum* • FRE
Eriogonum nudum var. *scapigerum*
Eriogonum nudum var. *westonii*
Eriogonum ordii
Eriogonum ovalifolium var. *monarchense* • FRE ‡
Eriogonum ovalifolium var. *vineum* • SBD
Eriogonum parvifolium
Eriogonum polypodum • TUL ✨
Eriogonum prattenianum var. *avium*
Eriogonum prattenianum var. *prattenianum*
Eriogonum siskiyouense
Eriogonum spectabile • PLU
Eriogonum spergulinum var. *pratense* ‡
Eriogonum spergulinum var. *spergulinum*
Eriogonum strictum var. *greenii* ‡
Eriogonum temblorense
Eriogonum thornei • SBD
Eriogonum tripodum
Eriogonum truncatum • CCA (1936)
Eriogonum twisselmannii • TUL
Eriogonum umbellatum var. *ahartii* • BUT ‡
Eriogonum umbellatum var. *bahiiforme*
Eriogonum umbellatum var. *canifolium*
Eriogonum umbellatum var. *chlorothamnus*
Eriogonum umbellatum var. *covillei*
Eriogonum umbellatum var. *humistratum*

Eriogonum umbellatum var. *lautum* • SIS
Eriogonum umbellatum var. *minus*
Eriogonum umbellatum var. *munzii*
Eriogonum umbellatum var. *nelsonianum*
Eriogonum umbellatum var. *polyanthum*
Eriogonum umbellatum var. *smallianum*
Eriogonum umbellatum var. *speciosum*
Eriogonum umbellatum var. *torreyanum*
Eriogonum ursinum var. *erubescens*
Eriogonum ursinum var. *ursinum*
Eriogonum vestitum
Eriogonum viridescens
Eriogonum wrightii var. *olanchense* • TUL †
Eriogonum wrightii var. *subscaposum*
Eriogonum wrightii var. *trachygonum*
Gilmania luteola • INY
Hollisteria lanata
Mucronea californica
Mucronea perfoliata
Polygonum bidwelliae
Polygonum bolanderi
Polygonum hickmanii
Polygonum marinense
Sidotheca caryophylloides
Sidotheca emarginata • RIV
Systenotheca vortriedei

Primulaceae (3 • 4)

Dodecatheon clevelandii ssp. *patulum*
Dodecatheon clevelandii ssp. *sanctarum*
Dodecatheon subalpinum
Primula suffrutescens

Ranunculaceae (20 • 36)

Aquilegia eximia
Delphinium antoninum
Delphinium bakeri
Delphinium californicum ssp. *californicum*
Delphinium californicum ssp. *interius*
Delphinium decorum ssp. *decorum* †
Delphinium decorum ssp. *tracyi*
Delphinium gracilentum
Delphinium gypsophilum ssp. *gypsophilum*
Delphinium gypsophilum ssp. *parviflorum*
Delphinium hansenii ssp. *ewanianum*
Delphinium hansenii ssp. *hansenii*
Delphinium hansenii ssp. *kernense*
Delphinium hesperium ssp. *cuyamacae* • SDO ✨
Delphinium hesperium ssp. *hesperium*
Delphinium hesperium ssp. *palescens*
Delphinium hutchinsoniae • MNT
Delphinium inopinum
Delphinium luteum
Delphinium parishii ssp. *pallidum* †
Delphinium parryi ssp. *blochmaniae*
Delphinium parryi ssp. *eastwoodiae* • SLO
Delphinium parryi ssp. *purpureum*
Delphinium patens ssp. *montanum*
Delphinium patens ssp. *patens*
Delphinium purpusii
Delphinium recurvatum
Delphinium uliginosum
Delphinium umbraculorum
Delphinium variegatum ssp. *kinkiense* • LAX

Delphinium variegatum ssp. *thornei* • SCM
Delphinium variegatum ssp. *variegatum*
Enemion occidentale
Ranunculus canus var. *canus* †
Ranunculus canus var. *ludovicianus*
Ranunculus hystriculus

Rhamnaceae (35 • 57)

000

Ceanothus confusus
Ceanothus x connivens • AMA ✨
Ceanothus crassifolius var. *planus*
Ceanothus cuneatus var. *fascicularis* †
Ceanothus cuneatus var. *ramulosus*
Ceanothus cuneatus var. *rigidus*
Ceanothus decornutus • MRN
Ceanothus dentatus
Ceanothus divergens
Ceanothus diversifolius
Ceanothus ferrisiae • SCL ✨
Ceanothus x flexilis
Ceanothus foliosus var. *foliosus*
Ceanothus foliosus var. *medius*
Ceanothus foliosus var. *viejensis* • SDO
Ceanothus foliosus var. *vineatus* • SON
Ceanothus fresnensis
Ceanothus gloriosus var. *exaltatus*
Ceanothus gloriosus var. *gloriosus*
Ceanothus gloriosus var. *porrectus* • MRN ✨
Ceanothus griseus
Ceanothus hearstiorum • SLO
Ceanothus impressus var. *impressus* • SBA
Ceanothus impressus var. *nipomensis* • SLO
Ceanothus incanus
Ceanothus jepsonii var. *albiflorus*
Ceanothus jepsonii var. *jepsonii*
Ceanothus lemmonii
Ceanothus x lobbianus • MNT (1964)
Ceanothus x lorenzenii
Ceanothus maritimus • SLO
Ceanothus masonii • MRN
Ceanothus megacarpus var. *insularis*
Ceanothus megacarpus var. *megacarpus*
Ceanothus x mendocinensis • MEN (1941)
Ceanothus oliganthus var. *oliganthus*
Ceanothus oliganthus var. *sorediatus*
Ceanothus ophiochilus • RIV
Ceanothus parvifolius
Ceanothus pendletonensis • SDO
Ceanothus pinetorum
Ceanothus prostratus var. *occidentalis* †
Ceanothus purpureus
Ceanothus roderickii • ELD
Ceanothus x rugosus • MOD (1894)
Ceanothus x serrulatus • ELD (1926)
Ceanothus sonomensis
Ceanothus tomentosus var. *tomentosus* †
Ceanothus thrysiflorus var. *obispoensis* • SLO
Ceanothus x vanrensselaeri • SFO (1964)
Frangula californica ssp. *californica* †
Frangula californica ssp. *crassifolia*
Frangula californica ssp. *cuspidata*
Frangula purshiana ssp. *ultramafica* • PLU †
Frangula rubra ssp. *modocensis* †
Frangula rubra ssp. *yosemitana*

Rhamnus pilosa

Rosaceae (44 · 63)

000

Acaena pinnatifida var. californica
Adenostoma fasciculatum var. prostratum · SRO ✨ †
Cercocarpus betuloides var. traskiae · SCT †
Chamaebatia foliolosa
Drymocallis cuneifolia var. cuneifolia · SBD
Drymocallis cuneifolia var. ewanii · LAX
Drymocallis cuneifolia var. viscida
Drymocallis hansenii
Drymocallis pseudorupestris var. crumiana †
Horkelia bolanderi
Horkelia californica ssp. californica
Horkelia californica ssp. elata
Horkelia californica ssp. frondosa
Horkelia cuneata ssp. cuneata
Horkelia cuneata ssp. puberula
Horkelia cuneata ssp. sericea
Horkelia daucifolia var. indicta †
Horkelia fusca var. tenella †
Horkelia marinensis
Horkelia parryi
Horkelia rydbergii
Horkelia tenuiloba
Horkelia tridentata var. flavescens · OR (1933) † †
Horkelia tularensis · TUL
Horkelia wilderae · SBD
Horkelia yadonii
Horkeliella congdonis
Horkeliella purpurascens
Ivesia aperta var. canina · SIE ✨
Ivesia argyrocoma var. argyrocoma · SBD
Ivesia callida · RIV
Ivesia campestris
Ivesia longibracteata · SHA
Ivesia lycopodioides ssp. megalopetala †
Ivesia lycopodioides ssp. scandularis
Ivesia muirii
Ivesia paniculata · LAS
Ivesia patellifera · SBD
Ivesia pickeringii
Ivesia pygmaea
Ivesia santolinoides
Ivesia saxosa
Ivesia sericoleuca
Ivesia unguiculata
Lyonothamnus floribundus
Neviusia cliftonii · SHA
Petrophytum caespitosum ssp. acuminatum †
Potentilla acuminata · RIV (1901)
Potentilla amaricum
Potentilla cristae
Potentilla grayi
Potentilla hickmanii
Potentilla morefieldii
Potentilla multijuga · LAX (1893)
Potentilla pseudosericea
Potentilla uliginosa · SON (1947)
Potentilla wheeleri
Prunus eremophila · SBD
Prunus fasciculata var. punctata †
Rosa bridgesii · Oregon (1931)
Rosa pinetorum

Rosa woodsii var. glabrata

Rubiaceae (16 · 44)

Galium ambiguum ssp. ambiguum †
Galium andrewsii ssp. gatense
Galium andrewsii ssp. intermedium
Galium angustifolium ssp. borregoense · SDO
Galium angustifolium ssp. foliosum
Galium angustifolium ssp. gabrielense
Galium angustifolium ssp. gracillimum
Galium angustifolium ssp. jacinticum
Galium angustifolium ssp. nudicaule
Galium angustifolium ssp. onycense · KRN ✨
Galium argense · INY ✨
Galium bolanderi
Galium buxifolium
Galium californicum ssp. californicum †
Galium californicum ssp. flaccidum
Galium californicum ssp. luciense · MNT ✨
Galium californicum ssp. maritimum
Galium californicum ssp. miguelense
Galium californicum ssp. primum · RIV ✨
Galium californicum ssp. sierrae · ELD
Galium catalinense ssp. acrispum · SCM
Galium catalinense ssp. catalinense · SCT
Galium clementis · MNT
Galium cliftonsmithii
Galium glabrescens ssp. glabrescens †
Galium glabrescens ssp. modocense · MOD
Galium grande · LAX
Galium grayanum var. grayanum †
Galium hallii
Galium hardhamiae
Galium hilendiae ssp. carneum †
Galium hilendiae ssp. hilendiae
Galium hypotrachium ssp. ebbettsense †
Galium hypotrachium ssp. hypotrachium
Galium hypotrachium ssp. inyoense · INY
Galium hypotrachium ssp. subalpinum
Galium hypotrachium ssp. tomentellum
Galium jepsonii
Galium johnstonii
Galium matthewsii
Galium nuttallii ssp. insulare
Galium serpenticum ssp. scotticum †
Galium sparsiflorum ssp. glabrius
Galium sparsiflorum ssp. sparsiflorum

Rutaceae (1 · 1)

Ptelea crenulata

Salicaceae (1 · 1)

Salix breweri

Santalaceae (0 · 3)

Arceuthobium campylopodum ssp. campylopodum †
Arceuthobium campylopodum ssp. littorum
Arceuthobium campylopodum ssp. occidentale

Saxifragaceae (14 · 15)

Bolandra californica
Boykinia rotundifolia · Baja California (1901)
Heuchera abramsii
Heuchera brevistaminea · SDO

Heuchera caespitosa
Heuchera elegans
Heuchera hirsutissima
Heuchera maxima
Heuchera micrantha var. *erubescens*
Heuchera parishii
Jepsonia heterandra
Lithophragma bolanderi †
Lithophragma cymbalaria
Lithophragma maximum · SCT
Lithophragma trifoliatum

Scrophulariaceae (133 · 177)

Aphyllon epigalium ssp. *notocalifornicum*
Castilleja affinis ssp. *neglecta* †
Castilleja ambigua var. *humboldtiensis* †
Castilleja ambigua var. *insalutata*
Castilleja ambigua var. *meadii*
Castilleja applegatei ssp. *breweri*
Castilleja brevistyla
Castilleja campestris ssp. *succulenta* †
Castilleja cinerea · SBD
Castilleja densiflora ssp. *densiflora*
Castilleja densiflora ssp. *obispoensis* · SLO
Castilleja disticha
Castilleja exserta ssp. *latifolia* †
Castilleja exserta ssp. *venusta*
Castilleja gleasonii · LAX ✨
Castilleja grisea
Castilleja hololeuca
Castilleja lasiorhyncha · SBD ✨
Castilleja latifolia
Castilleja leschkeana · MRN (1960)
Castilleja lineariiloba
Castilleja minor var. *spiralis* †
Castilleja mollis
Castilleja montigena · SBD
Castilleja nana
Castilleja plagiotoma
Castilleja praeterita
Castilleja rubicundula ssp. *rubicundula* †
Castilleja subinclusa ssp. *franciscana*
Castilleja uliginosa · SON
Castilleja wightii
Chloropyron molle ssp. *hispidum*
Chloropyron molle ssp. *molle*
Chloropyron palmata
Collinsia antonina · MNT
Collinsia bartsiiifolia var. *bartsiiifolia*
Collinsia bartsiiifolia var. *davidsonii*
Collinsia bartsiiifolia var. *hirsuta* · SCR ✨
Collinsia bartsiiifolia var. *stricta* · MAD ✨
Collinsia callosa
Collinsia childii
Collinsia corymbosa · MEN ✨
Collinsia greenei
Collinsia heterophylla var. *austromontana*
Collinsia multicolor
Collinsia parryi
Collinsia sparsiflora var. *collina* †
Collinsia tinctoria
Collinsia wrightii
Cordylanthus eremicus ssp. *eremicus*
Cordylanthus eremicus ssp. *kernensis*

Cordylanthus nidularius · CCA
Cordylanthus pilosus ssp. *pilosus*
Cordylanthus pilosus ssp. *trifidus*
Cordylanthus pringlei
Cordylanthus rigidus ssp. *brevibracteatus*
Cordylanthus rigidus ssp. *littoralis*
Cordylanthus rigidus ssp. *rigidus*
Cordylanthus tenuis ssp. *barbatus* · FRE ✨ †
Cordylanthus tenuis ssp. *brunneus*
Cordylanthus tenuis ssp. *palescens* · SIS
Cordylanthus tenuis ssp. *tenuis*
Diplacus angustatus
Diplacus aridus
Diplacus bicolor
Diplacus calycinus
Diplacus compactus
Diplacus congdonii
Diplacus constrictus
Diplacus fremontii
Diplacus grandiflorus
Diplacus grantinicola
Diplacus johnstonii
Diplacus layneae
Diplacus linearis
Diplacus mohavensis · SBD ✨
Diplacus parviflorus
Diplacus pictus
Diplacus pulchellus
Diplacus rattanii
Diplacus rupicola · INY
Diplacus rutilus
Diplacus thompsonii
Diplacus torreyi
Diplacus traskiae · SCT (1901)
Diplacus vandenbergensis · SBA
Diplacus viscidus
Erythranthe acutidens
Erythranthe androsaceus
Erythranthe arenaria
Erythranthe arenicola
Erythranthe barbata
Erythranthe bicolor
Erythranthe calcicola · INY
Erythranthe discolor
Erythranthe filicaulis
Erythranthe filicifolia
Erythranthe geniculata
Erythranthe glaucescens
Erythranthe gracilipes
Erythranthe grayi
Erythranthe hardhamiae
Erythranthe howaldiae · MNO
Erythranthe inconspicua
Erythranthe laciniata
Erythranthe linearifolia
Erythranthe montoides
Erythranthe norrisii · TUL
Erythranthe nudata
Erythranthe palmeri
Erythranthe pardalis
Erythranthe percaulis · PLU
Erythranthe rhodopetra · KRN
Erythranthe shevockii · KRN

Erythranthe sierrae
Erythranthe taylorii · SHA
Erythranthe trinitensis
Erythranthe willisii · PLU
Holmgrenanthe petrophila
Howelliella ovata
Keckiella breviflora ssp. *breviflora* †
Keckiella corymbosa
Keckiella rothrockii ssp. *jacintensis* · RIV †
Keckiella ternata ssp. *septentrionalis*
Orobanche californica ssp. *condensa* †
Orobanche californica ssp. *grandis*
Orobanche californica ssp. *jepsonii*
Orobanche robbinsii
Orobanche valida ssp. *howellii*
Orobanche valida ssp. *valida*
Orobanche vallicola
Orthocarpus pachystachyus
Pedicularis dudleyi
Pedicularis rigginsiae · SLO
Penstemon azureus ssp. *angustissimus*
Penstemon caesius
Penstemon calcareus
Penstemon clevelandii ssp. *connatus*
Penstemon clevelandii ssp. *mohavensis*
Penstemon x dubius
Penstemon filiformis
Penstemon fruticiformis ssp. *fruticiformis* †
Penstemon grinnellii
Penstemon heterodoxus var. *cephalophorus*
Penstemon heterodoxus var. *shastensis*
Penstemon heterophyllus var. *australis*
Penstemon heterophyllus var. *heterophyllus*
Penstemon heterophyllus var. *purdyi*
Penstemon incertus
Penstemon laetus ssp. *laetus* †
Penstemon laetus ssp. *leptosepalus*
Penstemon monoensis
Penstemon neotericus
Penstemon newberryi ssp. *sonomensis*
Penstemon papillatus
Penstemon x parishii
Penstemon x peirsonii · VEN (1923)
Penstemon personatus
Penstemon purpusii
Penstemon rattanii ssp. *kleei*
Penstemon scapoides · INY
Penstemon spectabilis ssp. *subviscosus*
Penstemon stephensii
Penstemon tracyi
Sairocarpus cornutus ssp. *cornutus*
Sairocarpus cornutus ssp. *leptaleus*
Sairocarpus elmeri · (1903)
Sairocarpus multiflorus
Sairocarpus subcordatus
Sairocarpus vexillocalyculatus ssp. *intermedius* †
Sairocarpus vexillocalyculatus ssp. *v.*
Sairocarpus virga
Scrophularia atrata
Triphysaria eriantha ssp. *rosea* †
Triphysaria floribunda
Triphysaria micrantha
Veronica copelandii

Smilacaceae (1 · 1)

Smilax jamesii

Solanaceae (4 · 8)

Lycium brevipes var. *hassei*
Lycium verrucosum · VEN (1901)
Nicotiana quadrivalvis var. *wallacei* · SBD
Solanum clokeyi · SBA
Solanum umbelliferum var. *incanum* †
Solanum xanti var. *hoffmannii* †
Solanum xanti var. *intermedium*
Solanum xanti var. *obispoense* · SLO (1939)

Staphyleaceae (1 · 1)

Staphylea bolanderi

Sterculiaceae (1 · 1)

Fremontodendron decumbens

Thymelaeaceae

Dirca occidentalis

Umbelliferae [Apiaceae] (47 · 55)

Angelica californica
Angelica callii
Cymopterus deserticola
Cymopterus panamintensis var. *acutifolius* †
Cymopterus panamintensis var. *panamintensis*
Eryngium aristulatum var. *aristulatum*
Eryngium aristulatum var. *hooveri*
Eryngium armatum
Eryngium castrense
Eryngium constancei
Eryngium jepsonii
Eryngium mathiasiae
Eryngium pendletonense · SDO
Eryngium pinnatisectum
Eryngium racemosum
Eryngium spinosepalum
Eryngium vaseyi var. *vallicola*
Eryngium vaseyi var. *vaseyi*
Lilaeopsis masonii
Lomatium caruifolium var. *caruifolium*
Lomatium caruifolium var. *denticulatum*
Lomatium ciliolatum
Lomatium congdonii
Lomatium dasycarpum ssp. *tomentosum*
Lomatium hooveri
Lomatium koghliini · MEN
Lomatium marginatum var. *marginatum* †
Lomatium marginatum var. *purpureum*
Lomatium observatorium
Lomatium parvifolium
Lomatium repostum
Lomatium rigidum
Lomatium shevockii · KRN
Lomatium stebbinsii
Lomatium torreyi
Lomatium tracyi
Oreonana clementis
Oreonana purpurascens · TUL
Oreonana vestita
Perideridia bacigalupii
Perideridia bolanderi ssp. *involucrata* †

Perideridia californica
Perideridia gairdneri ssp. *gairdneri* †
Perideridia kelloggii
Perideridia leptocarpa
Perideridia pringlei
Podistera nevadensis
Sanicula bipinnata
Sanicula hoffmannii
Sanicula maritima
Sanicula saxatilis
Sanicula tracyi
Spermolepis infernensis • SDO ✨
Tauschia hartwegii
Tauschia parishii

Valerianaceae (1 • 1)

Plectritis congesta ssp. *nitida*

Verbenaceae (2 • 2)

Verbena abramsii • SDO
Verbena californica • TUO
Verbena x clemensiorum • AMA

Violaceae (4 • 6)

Viola californica • HUM (1946)
Viola pedunculata ssp. *tenuifolia*
Viola pinetorum ssp. *grisea*
Viola pinetorum ssp. *pinetorum*
Viola purpurea ssp. *mesophyta* †
Viola tomentosa

PLANTS ENDEMIC TO A SINGLE COUNTY OR CHANNEL ISLAND

Amador County (2)

Eriogonum apricum var. *apricum*
Eriogonum apricum var. *prostratum*
Verbena x clemensiorum

Butte County (1)

Trifolium jokerstii

Calaveras County (1)

Ceanothus x connivens

Contra Costa County (6)

Cordylanthus nidularis
Eriastrum ertterae
Eriogonum nudum var. *psychicola*
Eriogonum truncatum
Oenothera deltoides ssp. *howellii*
Streptanthus hispidus

Del Norte County (4)

Arctostaphylos nortensis
Sedum citrinum
Sedum patens
Silene serpentinicola

El Dorado County (6)

Ceanothus roderickii
Ceanothus x serrulatus
Galium californicum ssp. *sierrae*

Lewisia serrata
Navarretia prolifera ssp. *lutea*
Wyethia reticulata

Fresno County (8)

Cordylanthus tenuis ssp. *barbatus*
Eriogonum nudum var. *regirivum*
Eriogonum ovalifolium var. *monarchense*
Gilia yorkii
Helianthus winteri
Heterotheca monarchensis
Streptanthus fenestratus
Umbellularia californica var. *fresnensis*

Humboldt County (2)

Lathyrus biflorus
Lupinus constancei

Inyo County (39)

Astragalus atratus var. *mensanus*
Astragalus cimae var. *sufflatus*
Astragalus lentiginosus var. *micans*
Astragalus panamintensis
Astragalus sepultipes
Boechera yorkii
Camissonia cardiophylla ssp. *robusta*
Cryptantha roosiorum
Enceliopsis covillei
Erigeron calvus
Eriogonum eremicola
Eriogonum hoffmannii var. *hoffmannii*
Eriogonum hoffmannii var. *robustius*
Eriogonum intrafractum
Eriogonum microthecum var. *panamintense*
Erythranthe calcicola
Galium hypotrichium ssp. *inyoense*
Galium hypotrichium ssp. *tomentellum*
Gilmania luteola
Hesperidanthus jaegeri
Lomatium rigidum
Lupinus magnificus var. *glarecola*
Lupinus magnificus var. *hesperius*
Lupinus magnificus var. *magnificus*
Lupinus pratensis var. *eriostachyus*
Mimulus rupicola
Oenothera californica ssp. *eurekensis*
Penstemon scapoides
Perityle inyoensis
Perityle villosa
Petalonyx thurberi ssp. *gilmanii*
Phacelia perityloides var. *perityloides*
Physocarpus annulatus var. *alternans*
Physocarpus annulatus var. *panamintensis*
Platanthera x lassenii
Sidalcea covillei
Swallenia alexandrae
Tetracoccus ilicifolius
Trifolium kingii var. *dedeckerae*

Kern County (19)

Allium shevockii
Astragalus ertterae
Camissonia integrifolia
Clarkia tembloriensis ssp. *calientensis*

Deinandra arida
Eremalche parryi ssp. kernensis
Eriogonum breedlovei var. breedlovei
Eriogonum callistum
Erythranthe rhodopetra
Eschscholzia lemmonii ssp. kernensis
Eschscholzia minutiflora ssp. twisselmannii
Galium angustifolium ssp. onycense
Heterotheca shevockii
Layia leucopappa
Lomatium shevockii
Mimulus shevockii
Streptanthus cordatus var. piutensis
Stylocline citroleum
Triteleia piutensis

Lake County (7)

Boechera ultra-alsa
Camissonia lacustris
Ceanothus divergens var. occidentalis
Plagiobothrys lithocaryus
Sedella leiocarpa
Sidalcea hickmanii ssp. pillsburiensis
Streptanthus vernalis

Lassen County (2)

Astragalus anxius
Ivesia paniculata

Los Angeles County (13)

Astragalus lentiginosus var. albiflorus
Calochortus clavatus var. gracilis
Delphinium variegatum ssp. kinkiense
Drymocallis cuneifolia var. ewanii
Dudleya cymosa ssp. agouriensis
Dudleya cymosa ssp. crebrifolia
Dudleya densiflora
Galium grande
Helianthus inexpectatus
Lupinus excubitus var. johnstonii
Lupinus peirsonii
Monardella australis ssp. gabrielensis
Potentilla multijuga

Madera County (1)

Erythronium pluriflorum

Marin County (17)

Arctostaphylos montana ssp. montana
Arctostaphylos virgata
Calochortus tiburonensis
Castilleja leschkeana
Ceanothus decornutus
Ceanothus gloriosus var. porrectus
Ceanothus masonii
Chorizanthe valida
Cirsium hydrophilum var. vaseyi
Clarkia concinna ssp. raichei
Lessingia micradenia var. micradenia
Lupinus punto-reyensis
Melica geyeri var. aristulata
Piperia elegans ssp. decurtata
Streptanthus anomalus
Streptanthus glandulosus ssp. pulchellus

Streptanthus glandulosus ssp. secundus

Mariposa County (6)

Allium yosemitense
Clarkia rostrata
Erigeron mariposanus
Eriophyllum congdonii
Eriophyllum nubigenum
Lupinus citrinus var. deflexus

Mendocino County (12)

Arctostaphylos nummularia ssp. mendocinoensis
Ceanothus x mendocinensis
Chorizanthe howellii
Eriogonum kelloggii
Harmonia guggolziorium
Lewisia stebbinsii
Limnanthes bakeri
Lomatium kogholiini
Lupinus milo-bakeri
Nemophila hoplandensis
Pinus contorta ssp. bolanderi
Sedum eastwoodiae

Merced County (2)

Phacelia ciliata var. opaca
Streptanthus insignis ssp. lyonii

Modoc County (2)

Galium glabrescens ssp. modocense
Lupinus latifolius var. barbatus

Mono County (6)

Draba incrassata
Draba monoensis
Erythranthe howaldiae
Lupinus duranii
Lupinus sublanatus
Mentzelia monoensis

Monterey County (18)

Agrostis lacuna-vernalis
Arctostaphylos montereyensis
Arctostaphylos tomentosa ssp. bracteosa
Ceanothus x lobbianus
Clarkia jolonensis
Collinsia antonina
Cupressus goveniana
Cupressus macrocarpa
Delphinium hutchinsoniae
Ericameria fasciculata
Eriogonum butterworthianum
Galium californicum ssp. luciense
Galium clementis
Gilia tenuiflora ssp. arenaria
Malacothamnus abbottii
Piperia yadonii
Pogogyne clareana
Triteleia x versicolor

Napa County (4)

Castilleja ambigua ssp. meadii
Poa napensis
Sidalcea hickmanii ssp. napensis

Trichostema ruygtii

Nevada County (2)

Sidalcea stipularis
Streptanthus tortuosus ssp. *truei*

Orange County (2)

Pentachaeta aurea ssp. *allenii*
Dudleya stolonifera

Plumas County (5)

Eleocharis torticulmis
Eriogonum spectabile
Erythranthe percaulis
Monardella stebbinsii
Pedicularis densiflora ssp. *aurantica*

Riverside County (16)

Allium munzii
Astragalus lentiginosus var. *coachellae*
Atriplex coronata var. *notatior*
Boechera johnstonii
Ceanothus ophiochilus
Dieteria canescens var. *ziegleri*
Draba saxosa
Galium angustifolium ssp. *primum*
Ivesia callida
Keckiella rothrockii ssp. *jacintensis*
Leptodactylon jaegeri
Leptosiphon floribundus ssp. *hallii*
Lupinus sparsiflorus ssp. *inopinatus*
Oxytheca emarginata
Potentilla acuminata
Trichostema austromontanum ssp. *compactum*

Sacramento County (1)

Orcuttia viscida

San Benito County (2)

Layia discoidea
Mimulus cleistogamous

San Bernardino County (33)

Acanthoscyphus parishii var. *cienegensis*
Acanthoscyphus parishii var. *goodmaniana*
Boechera parishii
Astragalus albens
Astragalus jaegerianus
Castilleja cinerea
Castilleja lasiornychna
Castilleja montigena
Drymocallis cuneifolia var. *cuneifolia*
Dudleya abramsii ssp. *affinis*
Eriastrum densifolium ssp. *sanctorum*
Ericameria parryi var. *imula*
Eriogonum microthecum var. *lacus-ursi*
Eriogonum thornei
Gilia cana ssp. *bernardina*
Gilia leptantha ssp. *leptantha*
Horkelia wilderae
Ivesia argyrocoma var. *argyrocoma*
Ivesia patellifera
Linanthus bernardinus
Linanthus killipii

Lotus argyraeus var. *multicaulis*
Mimulus mohavensis
Monardella australis ssp. *jokerstii*
Monardella boydii
Packera bernardina
Phlox dolicantha
Physaria kingii ssp. *bernardina*
Prunus eremophila
Pyrrocoma uniflora var. *gossypina*
Silene krantzii
Taraxacum californicum
Thelypodium stenopetalum

San Diego County (23)

Astragalus deanei
Baccharis vanessae
Ceanothus x otayensis
Ceanothus pendletonensis
Ceanothus viejasensis
Chorizanthe orcuttiana
Cupressus stephensonii [RIV ?]
Cylindropuntia x fosbergii
Dudleya brevifolia
Ericameria cuneata var. *macrocephala*
Eryngium pendletonensis
Galium angustifolium ssp. *borregoense*
Grindelia hallii
Heuchera brevistaminea
Hulsea californica
Lessingia glandulifera var. *tomentosa*
Malacothamnus enigmaticus
Packera ganderi
Pinus torreyana var. *torreyana*
Pogogyne abramsii
Ribes canthariforme
Salvia x palmeri
Spermolepis infernensis
Thermopsis californica var. *semota*

San Francisco County (3)

Arctostaphylos franciscana
Arctostaphylos montana ssp. *ravenii*
Ceanothus x vanrensselerai

San Luis Obispo County (31)

Arctostaphylos hookeri ssp. *hearstiorum*
Arctostaphylos luciana
Arctostaphylos morroensis
Arctostaphylos osoensis
Arctostaphylos pilosula
Arctostaphylos tomentosa ssp. *daciticola*
Bloomeria humilis
Calochortus clavatus var. *recurvifolius*
Calochortus obispoensis
Carex obispoensis
Ceanothus hearstiorum
Ceanothus impressus var. *nipomensis*
Ceanothus maritimus
Ceanothus pendletonensis
Ceanothus thyrsiflorus var. *obispoensis*
Chlorogalum purpureum var. *reductum*
Cirsium fontinale var. *obispoense*
Cirsium occidentale var. *lucianum*
Clarkia speciosa ssp. *immaculata*

Delphinium parryi ssp. *eastwoodiae*
Dudleya abramsii ssp. *bettinae*
Dudleya abramsii ssp. *murina*
Eriastrum densifolium ssp. *patens*
Festuca californica ssp. *hitchcockiana*
Layia jonesii
Lupinus ludovicianus
Lupinus nipomensis
Monardella undulata ssp. *undulata*
Pedicularis rigginsiae
Poa diaboli
Solanum xanti var. *obispoense*

San Mateo County (7)

Acanthomintha duttonii
Arctostaphylos montaraensis
Arctostaphylos pacifica
Cirsium fontinale var. *fontinale*
Cupressus abramsiana ssp. *butanoensis*
Lessingia arachnoidea
Lupinus eximius

Santa Barbara County (17)

Ancistrocarpus keillii
Arctostaphylos crustacea ssp. *eastwoodiana*
Arctostaphylos crustacea ssp. *insulicola*
Arctostaphylos purissima ssp. *globosa*
Arctostaphylos purissima ssp. *purissima*
Arctostaphylos refugioensis
Ceanothus impressus var. *impressus*
Chorizanthe blakeyi
Deinandra increscens ssp. *villosa*
Dudleya traskiae
Eriodictyon capitatum
Eriogonum blissianum
Menodora spinescens var. *mohavensis*
Mimulus fremontii var. *vandenbergensis*
Monardella undulata ssp. *arguelloensis*
Solanum clokeyi
Thermopsis macrophylla

Santa Clara County (6)

Boechera rubicunda
Ceanothus ferrisiae
Cirsium praeteriens
Clarkia concinna ssp. *automixa*
Streptanthus callistus
Streptanthus glandulosus ssp. *albidus*

Santa Cruz County (4)

Arctostaphylos silvicola
Chorizanthe pungens var. *hartwegiana*
Collinsia bartesiifolia var. *hirsuta*
Cupressus abramsiana ssp. *abramsiana*

Shasta County (11)

Adiantum shastensis
Ageratina shastensis
Brodiaea matsonii
Erythranthe taylori
Erythronium shastense
Eupatorium shastense
Ivesia longibracteata
Lupinus purpurascens

Neviusia cliftonii
Puccinellia howellii
Vaccinium shastense ssp. *shastense*

Sierra County (1)

Ivesia aperta var. *canina*

Siskiyou County (16)

Boechera rollei
Calochortus monanthus
Calochortus persistens
Cordylanthus tenuis ssp. *pallescens*
Draba pterosperma
Eriogonum hirtellum
Eriogonum marifolium var. *cupulatum*
Eriogonum umbellatum var. *lautum*
Erythronium citrinum var. *roderickii*
Minuartia stolonifera
Orthocarpus pachystachyus
Phacelia cookei
Phacelia greenei
Phlox hirsuta
Polemonium eddyense
Sedum marmorense

Solano County (1)

Cirsium hydrophilum var. *hydrophilum*

Sonoma County (14)

Arctostaphylos bakeri ssp. *bakeri*
Arctostaphylos bakeri ssp. *sublaevis*
Calochortus raichei
Carex albida
Castilleja uliginosa
Clarkia imbricata
Cordylanthus tenuis ssp. *capillaris*
Erigeron serpentinus
Eriogonum cedrorum
Lilium pardalinum ssp. *pitkinense*
Plagiobothrys mollis var. *vestitus*
Potentilla uliginosa
Sidalcea oregana ssp. *valida*
Streptanthus glandulosus ssp. *sonomensis*

Tehama County (2)

Leptosiphon nuttallii ssp. *howellii*
Sedum rubiginosum

Trinity County (3)

Antennaria sawyeri
Silene salmonacea
Streptanthus oblanceolatus

Tulare County (16)

Abronia alpina
Astragalus shevockii
Boechera shevockii
Brodiaea insignis
Clarkia springvillensis
Dudleya abramsii ssp. *costatifolia*
Eriogonum nudum var. *murinum*
Eriogonum polypodium
Eriogonum twisselmannii
Eriogonum wrightii var. *olanchense*

Horkelia tularensis
Iris munzii
Lotus oblongifolius var. cupreus
Mimulus norrisii
Oreonana purpurascens
Ribes tularense

Tuolumne County (6)

Allium tuolumnense
Eriogonum luteum var. salutarium
Erythronium taylori
Erythronium tuolumnense
Iris hartwegii ssp. columbiana
Verbena californica

Ventura County (5)

Abronia x neurophylla
Dudleya parva
Dudleya verityi
Lycium verrucosum
Penstemon x peirsonii

Eriogonum giganteum var. giganteum
Galium catalinense ssp. catalinense
Lyonothamnus floribundus ssp. floribundus
Malacothamnus fasciculatus var. catalinensis
Mimulus traskiae

Santa Cruz Island (8)

Arctostaphylos insularis
Arctostaphylos viridissima
Boechera hoffmanii
Dudleya nesiotica
Lotus argophyllus var. niveus
Malacothamnus fasciculatus var. nesioticus
Ribes thacheriana
Thysanocarpus conchuliferus

Santa Rosa Island (5)

Arctostaphylos confertiflora
Dudleya blochmaniae ssp. insularis
Dudleya gnoma
Gilia tenuiflora ssp. hoffmannii
Pinus torreyana var. insularis

CHANNEL ISLANDS

Anacapa Island (2)

Malacothrix foliosa ssp. crispifolia
Malacothrix junakii

San Clemente Island (13)

Astragalus nevinii
Brodiaea kinkiensis
Camissonia guadalupensis ssp. clementina
Castilleja grisea
Delphinium variegatum ssp. kinkiense
Delphinium variegatum ssp. thornei
Eriogonum giganteum var. formosum
Galium catalinense ssp. acrispum
Lithophragma maximum
Malacothamnus clementina
Munzothamnus blairii
Stephanomeria blairii
Triteleia clementina

San Miguel Island (1)

Lotus dendroideus var. veatchii

San Nicolas Island (3)

Eriogonum grande var. timorum
Lycium verrucosum
Malacothrix foliosa ssp. polycephala

Santa Barbara Island (4)

Dudleya traskiae
Eriogonum giganteum var. compactum
Malacothrix foliosa ssp. philbrickii
Platystemon californicus var. ciliatus

Santa Catalina Island (9)

Arctostaphylos catalinae
Cercocarpus traskiae
Dudleya virens ssp. hassei
Eriodictyon traskiae var. traskiae

COUNTY AND CHANNEL ISLAND CODES

COUNTIES

ALA • Alameda
ALP • Alpine
AMA • Amador
BUT • Butte
CAL • Calaveras
CCA • Contra Costa
COL • Colusa
DNT • Del Norte
ELD • El Dorado
FRE • Fresno
GLE • Glenn
HUM • Humboldt
IMP • Imperial
INY • Inyo
KNG • Kings
KRN • Kern
LAK • Lake
LAS • Lassen
LAX • Los Angeles
MAD • Madera
MEN • Mendocino
MER • Merced
MNO • Mono

MNT • Monterey
MOD • Modoc
MPA • Mariposa
MRN • Marin
NAP • Napa
NEV • Nevada
ORA • Orange
PLA • Placer
PLU • Plumas
RIV • Riverside
SAC • Sacramento
SBA • Santa Barbara
SBD • San Bernardino
SBT • San Benito
SCL • Santa Clara
SCR • Santa Cruz
SDO • San Diego
SFO • San Francisco
SHA • Shasta
SIE • Sierra
SIS • Siskiyou
SJQ • San Joaquin
SLO • San Luis Obispo
SMT • San Mateo

SOL • Solano
SON • Sonoma
STA • Stanislaus
SUT • Sutter
TEH • Tehama
TRI • Trinity
TUL • Tulare
TUO • Tuolumne
VEN • Ventura
YOL • Yolo
YUB • Yuba

CHANNEL ISLANDS

ANA • Anacapa (VEN)
FAR • Farallon Isls. (SFO)
SBR • Santa Barbara (SBA)
SCM • San Clemente (LAX)
SCT • Santa Catalina (LAX)
SCZ • Santa Cruz (SBA)
SMI • San Miguel (SBA)
SNI • San Nicolas (VEN)
SRO • Santa Rosa (SBA)

B I B L I O G R A P H Y

- Abrams, L. R. 1925. The origin and geographic affinities of the flora of California. *Ecology* 6: 1-6.
- Abrams, L. R. 1929. Endemism and its significance in the California flora. *Proc. Internat. Congress Plant Sci.* 2: 1520-1523.
- Abrams, L. R. 1923-1960. Illustrated flora of the Pacific states, Washington, Oregon, and California. Four volumes. Stanford Univ. Press. Stanford, CA.
- Alverson, E. 2016. Shasta County endemics: *Discovery Day*, Shasta County, California, 3 April 2015. *Fremontia* 44(2): 8-13.
- Baldwin, B. G. 2014. Origins of plant diversity in the California Floristic Province. *Ann. Rev. Ecol., Evol., Syst.* 45: 347-369.
- Baldwin, B. G., S. Boyd, B. J. Ertter, R. W. Patterson, T. J. Rosatti, & D. H. Wilken. 2002. The Jepson desert manual. Univ. California Press. Berkeley. 624 pp.
- Burge, D. O. et al. 2016. Plant diversity and endemism in the California Floristic Province. *Madroño* 63(2): 1-206.
- CalFlora: calflora.org
- California Native Plant Society. Rare Plant Program. 2018. Inventory of rare and endangered plants of California (on-line edition, v8). rareplants.cnps.org
- Consortium of California Herbaria. ucjeps.berkeley.edu/consortium/
- Consortium of Pacific Northwest Herbaria. pnwherbaria.org
- Crampton, B. 1961. The endemic grasses of the California floral province. *Leaflets West. Bot.* 9(9/10): 154-158.
- Cronquist, A., A. H. Holmgren, N. H. Holmgren, & J. L. Reveal. 1972-2012. Intermountain flora: vascular plants of the Intermountain West, U. S. A. Hafner Publ. Co., New York Bot. Gard., & Columbia Univ. Press.
- Eastwood, A. 1947. Endemism in the flora of California. *Contr. Gray Herb.* 165: 55-62.
- Flora North America Editorial Committee. 1993 →. *Flora of North America north of Mexico*. Oxford Univ. Press. New York, NY.
- Harrison, S. P. 2013. Plant and animal endemism in California. Univ. California Press. Berkeley. 189 pp.
- Hickman, J. C. (editor). 1993. The Jepson manual: higher plants of California. Univ. California Press. Berkeley. 1400 pp.
- Hitchcock, A. S. 1951. *Manual of the grasses of the United States*. Misc. Publ. No. 200. U. S. Dept. Agriculture. Washington, D. C. 1051 pp.
- Hitchcock, C. L., A. Cronquist, M. Ownbey, & J. W. Thompson. 1955-1969. Vascular plants of the Pacific Northwest. Univ. Washington Press. Seattle. Five volumes.
- Hoover, R. F. 1937. Endemism in the flora of the Great Valley of California. Ph. D. dissertation. Univ. California, Berkeley. 76 pp.
- Howell, J. T. 1955. A tabulation of California endemics. *Leaflets West. Bot.* 7(11): 257-264.
- Howell, J. T. 1956. The numerical summary of California plants and endemism. *Leaflets West. Bot.* 8: 59, 60.
- Howell, J. T. 1957. The California floral province and its endemic genera. *Leaflets West. Bot.* 8(5): 138-141.
- Howell, J. T. 1960. The endemic pteridophytes of the California floral province. *American Fern J.* 50(1): 15-25.
- Isely, D. 1998. Native and naturalized Leguminosae (Fabaceae) of the United States (exclusive of Alaska and Hawaii). Monte L. Bean Life Science Mus. Brigham Young Univ. Provo, UT. 1007 pp.
- Jepson, W. L. 1923-1925. A manual of the flowering plants of California. Univ. California Press. Berkeley. Pp. 11-14.
- Jepson Flora Project: <http://ucjeps.berkeley.edu>
- Kartesz, J. T. 1987. A flora of Nevada. Ph. D. dissertation. Univ. Nevada, Reno. 1729 pp.
- Kartesz, J. T. 2018. The biota of North America program. North American vascular flora. bonap.org
- Meyers, S. C., T. Jaster, K. E. Mitchell, & L. K. Hardison (editors). 2015. *Flora of Oregon*. Vol. I. Pteridophytes, gymnosperms, and monocots. BRIT Press. Fort Worth, TX. 592 pp.
- Morefield, J. D. 2001. Nevada rare plant atlas. U. S. Fish and Wildlife Service. Portland, OR and Reno, NV.
- Morefield, J. D. & T. A. Knight (editors). 1992. *Endangered, threatened, and sensitive vascular plants of Nevada*. Nevada State Office. Bureau of Land Management. Reno. 46 pp.

- Mullens, L. & R. Showalter. 2007. Rare plants of southwest Oregon. Bureau of Land Management & U. S. Forest Service. Grants Pass Interagency Office. Grants Pass, OR. 298 pp.
- Munz, P. A. 1959. A California flora. In collaboration with D. D. Keck. Univ. California Press. Berkeley. 1681 pp.
- Munz, P. A. 1968. Supplement to a California flora. Univ. California Press. Berkeley. 224 pp.
- Munz, P. A. 1974. A flora of southern California. Univ. California Press. Berkeley. 1086 pp.
- Noldeke, A. M. & J. T. Howell. 1960. Endemism and a California flora. Leaflets West. Bot. 9(8): 124-127.
- Oberbauer, T. A. 2002. Analysis of vascular plant species diversity of the Pacific Coast islands of Alta and Baja California. In, Browne, D. R. et al. (editors). Proc. Fifth California Islands Symposium. Santa Barbara Mus. Nat. Hist. Santa Barbara, CA. Pp. 201-211
- Oregon Flora Project. oregonflora.org
- Oregon State University Herbarium:
www.oregonstate.edu/dept/botany/herbarium
- Peck, M. E. 1960. A manual of the higher plants of Oregon. Second edition. Oregon State Univ. Press. Corvallis. 936 pp.
- Raven, P. H. & D. I. Axelrod. 1978. Origin and relationships of the California flora. Univ. California Pub. Bot. 71: 1-134.
- Rebman, J. P., J. Gibson, & K. Rich. 2016. Annotated checklist of the vascular plants of Baja California, Mexico. Prof. San Diego Soc. Nat. Hist. 45: 1-352.
- Safford, H. D., J. H. Viers, & S. P. Harrison. 2005. Serpentine endemism in the California flora: a database of serpentine affinity. *Madroño* 52(4): 222-257.
- Smith, G. L. & A. M. Noldeke. 1960. A statistical report on a California flora. *Leaflets West. Bot.* 9: 117-132.
- Smith, J. P., Jr. & J. O. Sawyer, Jr. 1988. Endemic vascular plants of northwest California and southwest Oregon. *Madroño* 35(1): 54-69.
- Smith, J. P., Jr. & J. O. Sawyer, Jr. 2017. The endemic vascular plants of northwest California and southwest Oregon. Department of Biological Sciences. Humboldt State University. 5 pp.
- Stebbins, G. L. & J. Major. 1965. Endemism and speciation in the California flora. *Ecol. Monogr.* 35: 1-35.
- Thorne, J. H., J. H. Viers, J. Price, & D. M. Stoms. 2009. Spatial patterns of endemic plants in California. *Natural Areas J.* 29(4): 344-366.
- United States Department of Agriculture. Natural Resources Conservation Service. Plants database: www.plants.usda.gov
- Wiggins, I. L. 1980. Flora of Baja California. Stanford Univ. Press. Stanford, CA. 1025 pp.