

Humboldt State University

Digital Commons @ Humboldt State University

Botanical Studies

Open Educational Resources and Data

5-2019

Checklist of the Families and Genera of Vascular Plants of California

James P. Smith Jr

Humboldt State University, james.smith@humboldt.edu

John O. Sawyer Jr

Humboldt State University

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



Part of the [Botany Commons](#)

Recommended Citation

Smith, James P. Jr and Sawyer, John O. Jr, "Checklist of the Families and Genera of Vascular Plants of California" (2019). *Botanical Studies*. 88.

https://digitalcommons.humboldt.edu/botany_jps/88

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 CHECKLIST OF THE FAMILIES AND GENERA OF CALIFORNIA VASCULAR PLANTS

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

22 May 2019

My purpose is to provide an inventory of the families and genera of extant lycophytes (fern allies), ferns, gymnosperms, and flowering plants that are native or naturalized. I have also included plants whose historical occurrence is well documented, but that have not been collected in many years (typically 50 years) and are now best considered extinct or extirpated. Plants known only in cultivation as crops and ornamentals are excluded. The number of genera, species, and minimum ranked taxa is shown in parentheses at the end of each family. This checklist contains 212 families and 1447 genera. I estimate that they contain 7185 species and 8614 minimum ranked taxa. These numbers are noticeably higher than those reported in the second edition of *The Jepson Manual*, primarily because of my more inclusive criteria for inclusion.

This list is based on a number of sources, including:

- regional floras – Abrams (1923-1951), the *North American Flora*, and the *Flora of North America North of Mexico*;
- statewide floras – Brewer, Watson, & Gray (1880); Jepson (1909-1943 & 1923-1925); Munz (1959, 1968, 1974); Hickman (1993); and Baldwin et al. (2012);
- databases – the Consortium of California Herbaria, the Consortium of Pacific Northwest Herbaria; the U. S. D. A. Plants Database, Calflora, and the North American Plant Atlas of the Biota of North America Program;
- county and local floras;
- herbarium specimens, and
- recently published monographs, and reports, such as “Noteworthy Collections” in Madroño.

Family concepts follow more closely those adopted by Takhtajan, Heywood et al., Kubitzki, and many of the Angiosperm Phylogeny Group’s recommendations.

Significant departures in family concepts from the revised edition of *The Jepson Manual* include:

- retention of the traditional circumscription of Plantaginaceae;
- segregation of Ehretiaceae, Heliotropaceae, Hydrophyllaceae, and Namaceae from Boraginaceae;
- Orobanchaceae included in Scrophulariaceae;
- recognition of Buddlejaceae, Linderniaceae, and Myoporaceae
- retention of Lemnaceae;
- retention of Sterculiaceae;
- retention of Aceraceae;
- retention of Hippocastanaceae;
- recognition of Sambucaceae and Viburnaceae in place of Adoxaceae; and
- recognition of fewer segregates of Liliaceae, as per Christenhusz et al.

I ask that you bring errors and omissions to my attention at jps2@humboldt.edu.

LYCOPHYTES**Isoëtaceae**
Isoëtes**Lycopodiaceae**
Lycopodium
Lycopodiella**Selaginellaceae**
Selaginella**FERNS****Aspleniaceae**
Asplenium**Athyriaceae**
Athyrium**Blechnaceae**
Struthiopteris
Woodwardia**Cyathaeaceae**
Sphaeropteris**Cystopteridaceae**
Cystopteris**Dennstaedtiaceae**
Pteridium**Dryopteridaceae**
Cyrtomium
Dryopteris
Polystichum**Equisetaceae**
Equisetum**Marsileaceae**
Marsilea
Pilularia**Nephrolepidaceae**
Nephrolepis**Ophioglossaceae**
Botrychium
Botrypus
Ophioglossum
Sceptridium**Aponogetonaceae**
Aponogeton**Aquifoliaceae**
Ilex**Araceae**
Arum
Calla
Dracunculus**Parkeriaceae**
Ceratopteris**Polypodiaceae**
Polypodium**Psilotaceae**
Psilotum**Pteridaceae**
Adiantum
Argyrochosma
Aspidotis
Astrolepis
Cheilanthes**Cryptogramma**
Myriopteris
Notholaena
Pellaea
Pentagramma
Pteris**Salviniaceae**
Azolla
Salvinia**Thelypteridaceae**
Thelypteris**Woodsiaceae**
Woodsia**GYMNOSPERMS****Cupressaceae**
Calocedrus
Chamaecyparis
Cupressus
Juniperus
Sequoia
Sequoiadendron
Thuja**Ephedraceae**
Ephedra**Pinaceae**
Abies
Cedrus
Picea
Pinus
Pseudotsuga
Tsuga**Taxaceae**
Lysichiton
Peltandra
Pinellia
Pistia
Zantedeschia**Araliaceae**
Aralia
HederaTaxus
Torreya**FLOWERING PLANTS****Acanthaceae**
Acanthus
Carlowrightia
Justicia**Aceraceae**
Acer**Acoraceae**
Acorus †**Aizoaceae**
Aptenia
Carpobrotus
Conicosia
Cypselea
Delosperma
Disphyma
Drosanthemum
Galenia
Lampranthus
Malephora
Mesembryanthemum
Sesuvium
Tetragonia
Trianthema**Alismataceae**
Alisma
Damasonium
Echinodorus
Sagittaria**Amaranthaceae**
Allenrolfea
Alternanthera
Amaranthus
Aphanisma
Arthrocnemum
Atriplex
Bassia
BetaCeratoides
Chenopodium
Corispermum
Cycloloma
Dysphania
Enchylaena**Aristolochiaceae**
Aristolochia
Asarum**Asparagaceae**
Agave
Androstephium
Asparagus
Bloomeria
BrodiaeaFroelichia
Grayia
Guilleminea
Halogeton
Kochia
Micromonolepis
Monolepis
Nitrophila
Salicornia
Salsola
Sarcocornia
Spinacia
Suaeda
Tidestromia**Amaryllidaceae**
Agapanthus
Allium
Amaryllis
Leucojum
Narcissus
Pancratium
Nothoscordum
Tristagma**Anacardiaceae**
Lithrea
Malosma
Pistacia
Rhus
Schinus
Searsia
Toxicodendron**Apocynaceae**
Amsonia
Apocynum
Araujia
Asclepias
Calotropis
Catharanthus
Cycladenia
Cynanchum
Funastrum
Matelea
Nerium
Vallesia
Vinca**Apodanthaceae**
PilosylesCamassia
Chorogalum
Chlorophytum
Cordyline
Dichelostemma
Dipterostemon
Hastingia
Hesperocallis
Hyacinthoides
Hyacinthus

Leucocrinum		Grusonia	Dianthus
Maianthemum		Lophocereus	Eremogone
Muilla		Mammillaria	Gypsophila
Muscari		Opuntia	Herniaria
Nolina		Sclerocactus	Holosteum
Ornithogalum			Loeflingia
Triteleia		Callitrichaceae	Minuartia
Yucca		Callitriche	Moenchia
Asphodelaceae	Boraginaceae		Paronychia
Aloë	Amsinckia	Calycanthaceae	Petrorhagia
Hemerocallis	Anchusa	Calycanthus	Polycarpon
Kniphofia	Asperugo		Pseudostellaria
	Borago	Campanulaceae	Sagina
	Buglossoides	Asyneuma	Saponaria
	Cryptantha	Campanula	Scleranthus
	Cynoglossum	Downingia	Scopolophila
	Echium	Githopsis	Silene
	Hackelia	Heterocodon	Spergula
	Harpagonella	Howellia	Spergularia
	Lappula	Legene	Stellaria
	Lithospermum	Legousia	Vaccaria
Avicenniaceae	Mertensia	Lobelia	Velezia
Avicennia	Myosotis	Nemacladus	
	Pectocarya	Palmerella	Casuarinaceae
Balsaminaceae	Pentaglottis	Porterella	Casuarina
Impatiens	Plagiobothrys	Triodanis	
	Symphytum		Celastraceae
		Cannabaceae	Euonymus
Basellaceae	Bromeliaceae	Cannabis	Maytenus
Anredera	Billbergia	Humulus	Mortonia
	Tillandsia		Parnassia
Bataceae		Caprifoliaceae	Paxistima
Batis	Buddlejaceae	Abelia	
	Buddleja	Leycesteria	Celtidaceae
Berberidaceae		Linnaea	Celtis
Achlys	Burseraceae	Lonicera	
Alloberberis	Bursera	Symphoricarpos	Ceratophyllaceae
Berberis			Ceratophyllu
Mahonia	Cabombaceae	Caryophyllaceae	Cistaceae
Vancouveria	Brasenia	Achyronychia	Cistus
	Cabomba	Agrostemma	Crocanthemum
Betulaceae		Arenaria	Halimium
Alnus	Cactaceae	Cardionema	Tuberaria
Betula	Bergerocactus	Cerastium	Centromadia
Corylus	Carnegia	Atrichoseris	Chaenactis
	Coryphantha	Baccharis	Chaetadelpha
Bignoniaceae	Cylindropuntia	Bahiopsis	Chaetopappa
Campsis	Echinocactus	Bailey	Chamaemelum
Catalpa	Echinocereus	Balsamorhiza	Chloracantha
Chilopsis	Echinomastus	Bebbia	Chondrilla
Jacaranda	Ferocactus	Bellis	Chorisiva
Tecomaria	Adenophyllum	Benitoa	Chrysothamnus
	Ageratina	Bidens	Cichorium
Cleomaceae	Ageratum	Blennosperma	Cirsium
Carsonia	Agoseris	Blepharipappus	Constancea
Cleomella	Almutaster	Blepharizonia	Conyza
Oxystylis	Amberboa	Brickellia	Coreopsis
Peritoma	Amblyopappus	Cacaliopsis	Corethrogyne
Polanisia	Ambrosia	Calendula	Cosmos
Tarenaya	Amphipappus	Calycadenia	Cota
Wislizenia	Anaphalis	Calycoseris	Cotula
	Ancistrocarphus	Carduus	Crepis
Commelinaceae	Anisocarpus	Carlquistia	Crocidium
Commelina	Anisocoma	Carthamus	Crupina
Tradescantia	Antennaria	Centaurea	
	Anthemis		
Compositae	Arctium		
(Asteraceae)	Arctotheca		
Acamptopappus	Arctotis		
Achillea	Argyranthemum		
Achyrrachaena	Arnica		
Acourtia	Artemisia		
Adenocaulon			

Cuniculotinus	Glyptopleura	Jaumea	Oncosiphon
Cyclachaena	Gnaphalium	Jensia	Onopordum
Cynara	Grindelia	Kyhosia	Oreostemma
Deinandra	Guizotia	Lactuca	Orochaenactis
Delairea	Gutierrezia	Laënnecia	Osmaenia
Diaperia	Harmonia	Lagophylla	Osteospermum
Dicoria	Hazardia	Lapsana	Oxytenia
Dieteria	Hecastocleis	Lasiospermum	Packera
Dimeresia	Hedypnois	Lasthenia	Palafoxia
Dimorphotheca	Helenium	Layia	Pallenis
Dittrichia	Helianthella	Leontodon	Pectis
Dyssodia	Helianthus	Lepidospartum	Pentachaeta
Eastwoodia	Helichrysum	Lessingia	Pericallis
Eatonella	Heliomeris	Leucanthemum	Pericome
Echinops	Helminthotheca	Logfia	Perityle
Eclipta	Hemizonella	Luina	Petasites
Encelia	Hemizonia	Machaeranthera	Petradoria
Enceliopsis	Hesperervax	Madia	Peucephyllum
Ericameria	Heteranthemis	Malacothrix	Phalacroseris
Erigeron	Heterotheca	Malperia	Picradeniopsis
Eriophyllum	Hieracium	Mantisalca	Plectostachys
Eucephalus	Holocarpa	Matricaria	Pleiacanthus
Euchiton	Holozonia	Mauranthemum	Pleurocornonis
Eurybia	Hulsea	Melampodium	Pluchea
Euthamia	Hymenopappus	Micropus	Porophyllum
Filago	Hymenothrix	Microseris	Prenanthea
Flaveria	Hymenoxys	Monolopia	Psathyrotes
Gaillardia	Hypochaeris	Monoptilon	Pseudobahia
Galinsoga	Inula	Mulgedium	Pseudognaphalium
Gamochaeta	Ionactis	Munzothamnus	Psilocarphus
Gazania	Ismelia	Nesotus	Psilostrophe
Geraea	Isocoma	Nicolletia	Pulicaria
Glebionis	Iva	Nothocalais	Pyrocoma
Rafinesquia	Thymophylla		Carrichtera
Raillardella	Tolpis	Crassulaceae	Caulanthus
Raillardiodopsis	Tonestus	Aeonium	Chorispora
Ratibida	Townsendia	Cotyledon	Cochlearia
Rhagadiolus	Tracyina	Crassula	Coicya
Rhodanthe	Tragopogon	Dudleya	Conringia
Rigiopappus	Trichocoronis	Rhodiola	Cusickiella
Rudbeckia	Trichoptilium	Sedella	Descurainia
Santolina	Tripleurospermum	Sedum	Diptotaxis
Sanvitalia	Trixis		Dithyrea
Saussurea	Uropappus	Crossosomataceae	Draba
Scolymus	Urospermum	Crossosoma	Eruca
Scorzonera	Venegasia	Glossopetalon	Erucastrum
Senecio	Verbesina		Erysimum
Sericocarpus	Viguiera	Cruciferae	Euclidium
Silybum	Volutaria	(Brassicaceae)	Halimolobos
Solidago	Wyethia	Alyssum	Hesperis
Soliva	Xanthisma	Anelsonia	Hirschfeldia
Sonchus	Xanthium	Arabidopsis	Hornungia
Sphaeromeria	Xylorhiza	Arabis	Iberis
X Stebbinsoseris		Armoracia	Idaho
Stenotus		Athysanus	Ionopsidium †
Stephanomeria	Convolvulaceae	Aubrieta	Isatis
Stylocline	Calystegia	Aurinia	Lepidium
Symphotrichum	Convolvulus	Barbarea	Lobularia
Syntrichopappus	Cressa	Berteroa	Lunaria
Tagetes	Cuscuta	Boecheria	Lyrocarpa
Tanacetum	Dichondra	Brassica	Matthiola
Taraxacum	Ipomoea	Cakile	Nasturtium
Tetradymia		Camelina	Noccaea
Tetraneuris	Cornaceae	Capsella	Phoenicaulis
Thelesperma	Cornus	Cardamine	Physaria

Planodes	Cucurbitaceae	Eriophorum	Droseraceae
Polycytenium	Brandegea	Fimbristylis	Drosera
Raphanus	Bryonia	Isolepis	Ebenaceae
Rapistrum	Citrullus	Kobresia	Diospyros
Rorippa	Cucumis	Kyllinga	Ehretiaceae
Sibara	Cucurbita	Lipocarpa	Tiquilia
Sibaropsis	Marah	Rhynchospora	Elaeagnaceae
Sinapis	Cymodoceaceae	Schoenoplectus	Elaeagnus
Sisymbrium	Halodule †	Schoenus	Shepherdia
Smelowskia	Cyperaceae	Scirpus	Elaeocarpaceae
Stanleya	Amphiscirpus	Trichophorum	Aristotelia
Streptanthella	Bolboschoenus	Datisceae	Elatinaceae
Streptanthus	Bulbostylis	Datisca	Bergia
Strigosella	Calliscirpus	Didiereaceae	Elatine
Subularia	Carex	Portulacaria	Ericaceae
Teesdalia	Cladium	Dipsacaceae	Allotropa
Thelypodium	Cyperus	Dipsacus	Distichlis
Thlaspi	Dulichium	Scabiosa	Echinochloa
Thysanocarpus	Eleocharis	Aegilops	Ehrharta
Transberingia	Triadica	X Agropogon	Eleusine
Tropidocarpum	Fagaceae	Agropyron	X Elyhordeum
Arbutus	Castanea	Agrostis	Elymus
Arctostaphylos	Chrysolepis	Aira	Enneapogon
Cassiope	Notholithocarpus	Alopecurus	Eragrostis
Chimaphila	Quercus	Ammophila	Eremochloa
Comarostaphylis	Fouquieriaceae	Ampelodesmos	Eriochloa
Empetrum	Fouquieria	Amphibromus	Erioneuron
Erica	Francoaceae	Andropogon	Eustachys
Gaultheria	Francoa	Anthoxanthum	Festuca
Hemitomes	Melianthus	Apera	Gastridium
Kalmia	Frankeniaceae	Aristida	Gaudinia
Leucothoë	Frankenia	Arrhenatherum	Glyceria
Menziesia	Garryaceae	Arundo	Hainardia
Moneses	Garrya	Avena	Heteropogon
Monotropa	Gentianaceae	Axonopus	Hilaria
Ornithostaphylos	Centaurium	Bambusa	Holcus
Orthilia	Cicendia	Beckmannia	Hordeum
Phyllodoce	Eustoma	Blepharidachne	Hyparrhenia
Pityopus	Frasera	Bothriochloa	Imperata
Pleuricospora	Gentiana	Bouteloua	Kikuyochloa
Pterospora	Gentianella	Brachypodium	Koeleria
Pyrola	Gentianopsis	Briza	Lagurus
Rhododendron	Swertia	Bromidium	Lamarckia
Sarcodes	Zeltnera	Bromus	Leersia
Vaccinium	Geraniaceae	Calamagrostis	Leptochloa
Xylococcus	Erodium	Catapodium	Lolium
Eriocaulaceae	Geranium	Cenchrus	Lycurus
Eriocaulon †	Pelargonium	Chloris	Melica
Escalloniaceae	Goodeniaceae	Cinna	Melinis
Escallonia	Scaevola	Cortaderia	Miscanthus
Euphorbiaceae	Gramineae	Crypsis	Monanthochloë
Acalypha	(Poaceae)	Cynodon	Muhlenbergia
Argythamnia	Acrachne	Cynosurus	Munroa
Bernardia	Geraniaceae	Dactylis	Neostapfia
Croton	Erodium	Danthonia	Orcuttia
Euphorbia	Geranium	Dasyochloa	Oryza
Mercurialis	Pelargonium	Deschampsia	Panicum
Ricinus	Goodeniaceae	Digitaria	Parapholis
Stillingia	Scaevola	Dinebra	Paspalum
Tetracoccus	Gramineae	Dissanthelium	
Tragia	(Poaceae)		
	Acrachne		

Phalaris	Saccharum	Sphenopholis	Urochloa
Phleum	Schedonnardus †	Sporobolus	Ventenata
Phragmites	Schismus	Stenotaphrum	Zizania
Phyllostachys	Schizachyrium	Stipa	Zoysia
Pleuropogon	Sclerochloa	Swallenia	
Poa	Scleropogon	Torreyochloa	Grossulariaceae
Polypogon	Scribneria	Tribolium	Ribes
Pseudosasa	Secale	Tridens	
Puccinellia	Setaria	Trisetum	Gunneraceae
Rottboellia	Sorghum	Triticum	Gunnera
Rytidosperma	Spartina	Tuctoria	
Guttiferae	Iridaceae	Mentha	Laburnum
Hypericum	Chasmanthe	Molucella	Lathyrus
	Crocsmia	Monarda	Leucaena
Haloragaceae	Dietes	Monardella	Lotus
Haloragis	Freesia	Nepeta	Lupinus
Myriophyllum	Gladiolus	Origanum	Marina
	Iris	Phlomis	Medicago
Hamamelidaceae	Ixia	Pogogyne	Melilotus
Hamamelis	Libertia	Poliomintha	Olneya
Liquidambar	Moraea	Prunella	Onobrychis
	Olysinium	Pycnanthemum	Ononis
Heliotropaceae	Romulea	Salvia	Ornithopus
Heliotropium	Sisyrinchium	Scutellaria	Otholobium
	Sparaxis	Stachys	Oxytropis
Hippocastanaceae	Watsonia	Teucrium	Paraserianthes
Aesculus		Trichostema	Parkinsonia
	Juglandaceae	Vitex	Pediomelum
Hippuridaceae	Carya		Peteria
Hippuris	Juglans	Lauraceae	Phaseolus
		Cinnamomum	Pickeringia
Hydrangeaceae	Juncaceae	Laurus	Pisum
Carpenteria	Juncus	Persea	Pithecellobium
Fendlerella	Luzula	Umbellularia	Prosopis
Jamesia			Psorothamnus
Philadelphus	Juncaginaceae	Leguminosae	Retama
Whipplea	Triglochin	(Fabaceae)	Robinia
		Acacia	Rupertia
Hydrocharitaceae	Koberliniaceae	Aeschynomene	Securigera
Egeria	Koeberlinia	Albizia	Senna
Elodea		Alhagi	Sesbania
Hydrilla	Krameriaceae	Amorpha	Sophora
Limnobium	Krameria	Anthyllis	Spartium
Najas		Astragalus	Sphaerophysa
Ottelia	Labiatae	Bauhinia	Thermopsis
Vallisneria	(Lamiaceae)	Bituminaria	Trifolium
	Acanthomintha	Caesalpinia	Trigonella
Hydrocotylaceae	Agastache	Calliandra	Ulex
Hydrocotyle	Calamintha	Caragana	Vachellia
	Cedronella	Ceratonia	Vicia
Hydrophyllaceae	Clinopodium	Cercis	Vigna
Draperia	Condea	Clitoria	
Emmenanthe	Galeopsis	Colutea	Lemnaceae
Eucrypta	Glechoma	Coronilla	Lemna
Hesperochiron	Hedeoma	Cytisus	Spirodela
Howellanthus	Hyssopus	Dalea	Wolffia
Hydrophyllum	Lamiastrum	Dipogon	Wolffiella
Nemophila	Lamium	Dorycnium	
Phacelia	Lavandula	Erythrina	Lennoaceae
Pholistoma	Leonotis	Genista	Pholisma
Romanzoffia	Leonurus	Gleditsia	
Tricardia	Lepechinia	Glycyrrhiza	Lentibulariaceae
Turricula	Lycopus	Halimodendron	Pinguicula
Wigandia	Marrubium	Hoffmannseggia	Utricularia
	Melissa	Hoita	

Liliaceae	Malvella	Corymbia	Orchidaceae
Calochortus	Modiola	Eucalyptus	Calypto
Clintonia	Sida	Leptospermum	Cephalanthera
Erythronium	Sidalcea	Luma †	Corallorhiza
Fritillaria	Sphaeralcea	Melaleuca	Cypripedium
Lilium	Martyniaceae	Metrosideros	Epipactis
Prosartes	Ibicella	Myrtus	Goodyera
Scoliopus	Proboscidea	Psidium	Malaxis
Streptopus		Syzygium	Neottia
Tulipa			Piperia
			Platanthera
			Spiranthes
Limnanthaceae	Melanthiaceae	Namaceae	Oxalidaceae
Floerkea	Stenanthium	Eriodictyon	Oxalis
Limnanthes	Trillium	Nama	
	Veratrum		Paeoniaceae
	Xerophyllum		Paeonia
	Zigadenus		
Linaceae	Meliaceae	Nartheciaceae	Palmae
Hesperolinon	Melia	Narthecium	(Arecaceae)
Linum			Phoenix
Sclerolinon		Nelumbonaceae	Syagrus
		Nelumbo	Washingtonia
Linderniaceae	Menyanthaceae	Nitrariaceae	Papaveraceae
Lindernia	Menyanthes	Peganum	Arctomecon
	Nymphoides		Argemone
		Nyctaginaceae	Canbya
Loasaceae	Molluginaceae	Abronia	Corydalis
Eucnide	Glinus	Acleisanthes	Dendromecon
Mentzelia	Mollugo	Allionia	Dicentra
Petalonyx		Anulocaulis	Ehrendorferia
		Boerhavia	Eschscholzia
		Mirabilis	Fumaria
		Tripterocalyx	Glucium
Lythraceae	Montiaceae	Nymphaeaceae	Hesperomecon
Ammannia	Calandrinia	Nuphar	Hunnemannia
Lythrum	Calyptridium	Nymphaea	Meconella
Punica	Cistanthe		Papaver
Rotala	Claytonia		Platystemon
	Lewisia		Romneya
	Montia		
Magnoliaceae	Moraceae	Oleaceae	Passifloraceae
Magnolia	Fatoua	Forestiera	Passiflora
	Ficus	Fraxinus	
Malvaceae	Maclura	Ligustrum	Pedaliaceae
Abutilon	Morus	Menodora	Sesamum
Alcea		Olea	
Alyogyne	Moringaceae	Syringa	
Anisodonteia	Moringa		
Anoda		Onagraceae	
Eremalche	Myoporaceae	Camissonia	
Gossypium	Myoporum	Chamerion	
Herissantia		Circaea	
Hibiscus	Myricaceae	Clarkia	
Horsfordia	Myrica	Epilobium	
Iliamna		Fuchsia	
Lagunaria	Myrtaceae	Gayophytum	Phytolaccaceae
Lavatera	Callistemon	Ludwigia	Phytolacca
Malacothamnus	Chamelaucium	Oenothera	
Malva	Armeria	Ipomopsis	
Pittosporaceae	Limonium	Langloisia	
Billardiera	Plumbago	Lathrocasis	
Pittosporum		Leptodactylon	
	Polemoniaceae	Leptosiphon	
Plantaginaceae	Aliciella	Linanthus	
Plantago	Allophyllum	Loeseliastrum	
	Collomia	Microsteris	Polygalaceae
Platanaceae	Eriastrum	Navarretia	Polygala
Platanus	Gilia	Phlox	Rhinotropis
	Gymnosteris	Polemonium	
Plumbaginaceae			
			Polygonaceae
			Acanthoscyphus
			Aristocapsa
			Centrostegia
			Chorizanthe

Dedeckera
Dodecahema
Emex
Eriogonum
Fagopyrum
Gilmania
Goodmania
Hollisteria
Johanneshowellia
Lastarriaea
Mucronea
Muehlenbeckia
Nemacaulis
Oxyria
Oxytheca
Polygonum
Pterostegia
Rumex
Systemotheca

Pontederiaceae

Eichhornia
Heteranthera
Monochoria
Pontederia

Portulacaceae

Portulaca

Potamogetonaceae

Potamogeton
Stuckenia
Zannichellia

Primulaceae

Anagallis
Androsace
Dodecatheon
Glaux
Lysimachia
Primula
Samolus
Trientalis

Saururaceae

Anemopsis

Saxifragaceae

Bensoniella
Bolandra
Boykinia
Chrysosplenium
Darmera
Heuchera
Jepsonia
Lithophragma
Mitella
Saxifraga
Saxifragopsis
Suksdorfia
Tellima
Tiarella
Tolmiea

Scheuchzeriaceae

Scheuchzeria

Proteaceae

Grevillea
Hakea

Ranunculaceae

Acontium
Actaea
Adonis
Anemone
Aquilegia
Caltha
Clematis
Consolida
Coptis
Delphinium
Enemion
Myosurus
Nigella
Ranunculus
Thalictrum
Trautvetteria

Resedaceae

Oligomeris
Reseda

Rhamnaceae

Adolphia
Ceanothus
Colubrina
Condalia
Frangula
Rhamnus
Ziziphus

Rosaceae

Acaena
Adenostoma
Agrimonia
Amelanchier
Aphanes
Aruncus

Scrophulariaceae

Anarrhinum
Antirrhinum
Bacopa
Bellardia
Boschniakia
Castilleja
Collinsia
Cordylanthus
Cymbalaria
Digitalis
Diplacus
Dopatrium
Erythranthe
Gambelia
Gratiola
Holmgrenanthe
Howelliella
Keckiella
Kickxia
Limnophila

Cercocarpus
Chaenomeles
Chamaebatia
Chamaebatiaria

Coleogyne
Comarum
Cotoneaster
Crataegus
Cydonia
Dasiphora
Drymocalis
Duchesnea
Eriobotrya
Fallugia
Filipendula
Fragaria
Geum
Heteromeles
Holodiscus
Horkelia
Horkelliella
Ivesia
Leutkea
Lyonothamnus
Malus
Neviusia
Oemleria
Peraphyllum
Petrophytum
Photinia
Physocarpus
Potentilla
Prunus
Pseudocydonia
Purshia
Pyracantha
Pyrus
Rosa
Rubus
Sanguisorba
Sibbaldia
Sorbaria
Sorbus
Limosella
Linaria
Maurandella
Mimulus
Misopates
Mohavea
Nothochelone
Nuttallanthus
Orobanche
Orthocarpus
Parentucellia
Pedicularis
Penstemon
Pseudorontium
Stemodia
Synthyris
Tonella
Triphysaria
Verbascum
Veronica

Simaroubaceae

Spiraea

Rubiaceae

Cephalanthus
Coprosma
Crucianella
Diodia
Galium
Kelloggia
Rubia
Sherardia

Ruppiaceae

Ruppia

Rutaceae

Cneoridium
Ptelea
Ruta
Thamnosma

Salicaceae

Populus
Salix

Sambucaceae

Sambucus

Santalaceae

Comandra

Sapindaceae

Cardiospermum
Cupaniopsis
Dodonaea
Koeleruteria

Sarcobataceae

Sarcobatus

Sarraceniaceae

Darlingtonia
Sarracenia
Ailanthus
Castela

Simmondsiaceae

Simmondsia

Smilacaceae

Smilax

Solanaceae

Brugmansia
Calibrachoa
Capsicum
Cestrum
Chamaesaracha
Datura
Hyoscyamus
Leucophysalis
Lycianthes
Lycium
Nicandra
Nicotiana

Nierembergia	Typhaceae	Oenanthe	Verbenaceae
Oryctes	Sparganium	Oreonana	Aloysia
Petunia	Typha	Orogenia	Duranta
Physalis		Osmorhiza	Glandularia
Quincula	Ulmaceae	Oxypolis	Lantana
Salpichroa	Ulmus	Pastinaca	Phyla
Solanum		Perideridia	Verbena
Staphyleaceae	Umbelliferae	Petroselinum	Viburnaceae
Staphylea	(Apiaceae)	Podistera	Viburnum
	Ammi	Sanicula	
Sterculiaceae	Anethum	Scandix	Violaceae
Ayenia	Angelica	Sium	Viola
Brachychiton	Anthriscus	Spermolepis	
Fremontodendron	Apiastrum	Sphenosciadium	Viscaceae
Styracaceae	Apium	Tauschia	Arceuthobium
Styrax	Berula	Torilis	Phoradendron
	Bowlesia	Vesper	Viscum
Tamaricaceae	Bupleurum	Yabea	
Tamarix	Cicuta		Vitaceae
Tecophilaeaceae	Conioselinum	Urticaceae	Ampelopsis
Odontostomum	Conium	Boehmeria	Cissus
	Coriandrum	Hesperocnide	Parthenocissus
Thymelaeaceae	Cyclospermum	Parietaria	Vitis
Dirca	Cymopterus	Soleirolia	
	Daucus	Urtica	Zingiberaceae
Tofieldiaceae	Eryngium		Hedychium
Triantha	Foeniculum	Valerianaceae	Zosteraceae
	Glehnia	Centranthus	Nanozostera
Tropaeolaceae	Heracleum	Plectritis	Phyllospadix
Tropaeolum	Ligusticum	Valeriana	Zostera
	Lilaeopsis	Valerianella	
Zygophyllaceae	Lomatium		
Fagonia			
Kallstroemia			
Larrea			
Tribulus			
Zygophyllum			

BIBLIOGRAPHY

- Abrams, L. 1923-1960. Illustrated flora of the Pacific states. Four vols.
 Angiosperm Phylogeny Group. 2016. An update of the ... classification ... of flowering plants. APG IV. Bot. J. Linnean Soc. 181: 1-20.
 Baldwin, B. et al. (editors). 2012. The Jepson manual: vascular plants of California. Second edition.
 Kartesz, J. Biota of North America Program bonap.org
 Brewer, W. et al. 1876. Geological survey of California Botany. Two vols. CalFlora. calflora.org
 Christenhusz, M. et al. 2017. An illustrated encyclopedia of vascular plants. Consortium of California Herbaria. ucjeps.berkeley.edu/consortium
 Flora North America Editorial Committee 1993 →. Flora of North American north of Mexico. Gymnosperm Database. conifers.org
 Heywood, V. et al. 2007. Flowering plant families of the world.
 Hickman, J. (editor). 1993. The Jepson manual: higher plants of California.
 International Plant Names Index. ipni.org
 Jepson, W. L. 1924-1925. Manual of the flowering plants of California
 Kubitzki, K. et al. (editors). 1990 →. The families and genera of vascular plants.
 Mabberley, D. 2008. Mabberley's plant-book. Third edition.
 Munz, P. 1959. A California flora.
 Munz, P. 1968. Supplement to a California flora.
 Munz, P. A. 1974. A flora of southern California.
 Pteridophyte Phylogeny Group. 2016. J. Syst. Evol. 546: 563-603.
 Takhtajan, A. 2009. Flowering plants.
 U. S. D. A., N. R. C. S. 2018. The plants database. <http://plants.usda.gov>

