

Humboldt State University

Digital Commons @ Humboldt State University

Botanical Studies

Open Educational Resources and Data

1-21-2020

A List of the Federal and State-listed Rare, Endangered, & Threatened Plants of California

James P. Smith

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



Part of the [Botany Commons](#)

Recommended Citation

Smith, James P., "A List of the Federal and State-listed Rare, Endangered, & Threatened Plants of California" (2020). *Botanical Studies*. 92.

https://digitalcommons.humboldt.edu/botany_jps/92

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.

CALIFORNIA'S FEDERAL AND STATE-LISTED RARE, ENDANGERED, & THREATENED PLANTS

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

21 January 2020

DEFINITIONS AND NAMES

Federally-listed Plants

Under the provisions of the Endangered Species Act, a plant is **endangered** if it is "in danger of extinction throughout all or a significant portion of its range." A species is **threatened** if it is "likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range."

FE Federally-listed as endangered
FT Federally-listed as threatened

State-listed Plants

The California Department of Fish & Game Code declares a plant **endangered** when "its prospects of survival and reproduction are in immediate jeopardy from one or more causes." A plant is **threatened** when "although not presently threatened with extinction, it is likely to become an endangered species in the foreseeable future in the absence of ... special protection and management efforts." A plant is **rare** when "although not presently threatened with extinction, it is in such small numbers throughout its range that it may become endangered if its present environment worsens."

SE State-listed as endangered
SR State-listed as rare
ST State-listed as threatened

Unfortunately there are differences in scientific names used by the U. S. Fish and Wildlife Service, the California Department of Fish and Wildlife, and the revised edition of The Jepson Manual. I have

used the names used by the California Natural Diversity Database.

CONIFERS

Cupressaceae

Hesperocyparis abramsiana var. abramsiana • FT - SE
Hesperocyparis abramsiana var. butanoensis • FT - SE
Hesperocyparis goveniana • FT

FLOWERING PLANTS

Amaranthaceae

Atriplex coronata var. notatior • FE
Atriplex tularensis • SE
Nitrophila mohavensis • FE - SE
Suaeda californica • FE

Amaryllidaceae

Allium munzii • FE - ST
Allium yosemitense • SR

Asparagaceae

Bloomeria humilis • SR
Brodiaea filifolia • FT - SE
Brodiaea insignis • SE
Brodiaea pallida • FT - SE
Brodiaea rosea • SE
Nolina interrata • SE

Berberidaceae

Berberis nevinii • FE • SE
Berberis pinnata ssp. insularis • FE - SE

Boraginaceae

Amsinckia grandiflora • FE - SE
Cryptantha roosiorum • SR

Plagiobothrys diffusus • SE
Plagiobothrys strictus • FE - ST

Cactaceae

Opuntia basilaris var. treleasei • FE - SE

Campanulaceae

Downingia concolor var. brevior • SE
Howellia aquatilis • FT
Nemacladus twisselmannii • SR

Caryophyllaceae

Arenaria paludicola • FE - SE
Eremogone ursina • FT
Silene campanulata ssp. campanulata • SE

Cistaceae

Helianthemum greenii • FT

Compositae (Asteraceae)

Ambrosia pumila • FE
Baccharis vanessae • FT - SE
Blennosperma bakeri • FE - SE
Blennosperma nanum var. robustum • SR
Cirsium ciliolatum • SE
Cirsium fontinale var. fontinale • FE - SE
Cirsium fontinale var. obispoense • FE - SE
Cirsium hydrophilum var. hydrophilum • FE
Cirsium rhotophilum • ST
Cirsium scariosum var. loncholepis • FE - ST
Deinandra arida • SR
Deinandra bacigalupii • SE
Deinandra conjugens • FT - SE
Deinandra increscens ssp. villosa • FE - SE
Deinandra minthornii • SR
Deinandra mohavensis • SE
Dieteria asteroides var. lagunensis • SR
Enceliopsis nudicaulis var. corrugata • FT
Erigeron parishii • FT
Eriophyllum congdonii • SR
Eriophyllum latilobum • FE - SE
Grindelia fraxinipratensis • FT
Hazardia orcuttii • ST
Helianthus niveus ssp. tephrodes • SE
Holocarpha macradenia • FT - SE
Lasthenia burkei • FE - SE
Lasthenia conjugens • FE
Layia carnosa • FE - SE
Lessingia germanorum • FE - SE
Malacothrix indecora • FE
Malacothrix squalida • FE
Monolopia congdonii • FE
Packera ganderi • SR
Packera layneae • FT - SR

Pentachaeta bellidiflora • FE - SE
Pentachaeta lyonii • FE - SE
Pseudobahia bahiifolia • FE - SE
Pseudobahia peirsonii • FT - SE
Taraxacum californicum • FE
Verbesina dissita • FT - ST

Convolvulaceae

Calystegia stebbinsii • FE - SE

Crassulaceae

Dudleya abramsii ssp. parva • FT
Dudleya abramsii ssp. setchellii • FE
Dudleya brevifolia • SE
Dudleya cymosa ssp. agourensis • FT
Dudleya cymosa ssp. marescens • FT - SR
Dudleya cymosa ssp. ovatifolia • FT
Dudleya nesiotica • FT - SR
Dudleya parva • FT
Dudleya stolonifera • FT - ST
Dudleya traskiae • FE - SE
Dudleya verityi • FT
Sedella leiocarpa • FE - SE

Cruciferae (Brassicaceae)

Arabis macdonaldiana • FE - SE
Boechera hoffmannii • FE
Caulanthus californicus • FE - SE
Dithyrea maritima • ST
Erysimum capitatum ssp. angustatum • FE - SE
Erysimum menziesii • FE • SE
Erysimum teretifolium • FE - SE
Nasturtium gambellii • FE - ST
Noccaea fendleri ssp. californica • FE
Physaria kingii ssp. bernardina • FE
Rorippa subumbellata • SE
Sibara filifolia • FE
Streptanthus albidus ssp. albidus • FE
Streptanthus glandulosus ssp. niger • FE - SE
Thelypodium stenopetalum • FE - SE
Thysanocarpus conchuliferus • FE

Cyperaceae

Carex albida • FE - SE
Carex tompkinsii • SR

Ericaceae

Arctostaphylos bakeri ssp. bakeri • SR
Arctostaphylos bakeri ssp. sublaevis • SR
Arctostaphylos confertifolia • FE
Arctostaphylos densiflora • SE
Arctostaphylos franciscana • FE
Arctostaphylos glandulosa ssp. crassifolia • FE
Arctostaphylos hookeri ssp. hearstiorum • SE

Arctostaphylos imbricata • SE
Arctostaphylos montana ssp. *ravenii* • FE - SE
Arctostaphylos morroensis • FT
Arctostaphylos myrtifolia • FT
Arctostaphylos pacifica • SE
Arctostaphylos pallida • FT - SE
Ornithostaphylos oppositifolia • SE

Euphorbiaceae

Euphorbia hooveri • FT
Croton wigginsii • SR

Gramineae (Poaceae)

Alopecurus aequalis var. *sonomensis* • FE
Calamagrostis foliosa • SR
Neostapfia colusana • FT - SE
Orcuttia californica • FE - SE
Orcuttia inaequalis • FT - SE
Orcuttia pilosa • FE - SE
Orcuttia tenuis • FT - SE
Orcuttia viscida • FE - SE
Panicum acuminatum var. *thermale* • SE
Pleuropogon hooverianus • ST
Poa atropurpurea • FE
Poa napensis • FE - SE
Swallenia alexandrae • FT - SR
Tuctoria greenei • FE - SR
Tuctoria mucronata • FE - SE

Hydrangeaceae

Carpenteria californica • ST

Hydrophyllaceae

Eriodictyon altissimum • FE - SE
Eriodictyon capitatum • FE - SR
Phacelia insularis var. *insularis* • FE

Labiatae (Lamiaceae)

Acanthomintha duttonii • FE - SE
Acanthomintha ilicifolia • FT - SE
Monardella viminea • FE - SE
Pogogyne abramsii • FE - SE
Pogogyne clareana • SE
Pogogyne nudiuscula • FE - SE

Leguminosae (Fabaceae)

Acmispon argophyllus var. *adsurgens* • SE
Acmispon argophyllus var. *niveus* • SE
Acmispon dendroideus var. *traskiae* • FT - SE
Astragalus agnicidus • SE
Astragalus albens • FE
Astragalus brauntonii • FE
Astragalus clarianus • FE - ST
Astragalus jaegerianus • FE

Astragalus johannis-howellii • SR
Astragalus lentiginosus var. *coachellae* • FE
Astragalus lentiginosus var. *piscinensis* • FT
Astragalus lentiginosus var. *sesquimetralis* • SE
Astragalus magdalenae var. *piersonii* • FT - SE
Astragalus monoensis • SR
Astragalus pycnostachys var. *lanosissimus* • FE - SE
Astragalus tener var. *titi* • FE - SE
Astragalus traskiae • SR
Astragalus tricarinatus • FE
Lupinus citrinus var. *deflexus* • ST
Lupinus constancei • SE
Lupinus milo-bakeri • ST
Lupinus nipomensis • FE - SE
Lupinus padrae-crowleyi • SR
Lupinus tidestromii • FE - SE
Thermopsis macrophylla • SR
Trifolium amoenum • FE
Trifolium polyodon • SR
Trifolium trichocalyx • FE - SE

Liliaceae

Calochortus dunnii • SR
Calochortus persistens • SR
Calochortus tiburonensis • FT - ST
Chlorogalum purpureum var. *purpureum* • FT
Chlorogalum purpureum var. *reductum* • FT - SR
Fritillaria gentneri • FE
Fritillaria roderickii • SE
Fritillaria striata • ST
Lilium occidentale • FE - SE
Lilium pardalinum ssp. *pitkinense* • FE - SE

Limnanthaceae

Limnanthes alba ssp. *parishii* • SE
Limnanthes bakeri • SR
Limnanthes douglasii ssp. *sulphurea* • SE
Limnanthes floccosa ssp. *californica* • FE - SE
Limnanthes vinculans • FE - SE

Linaceae

Hesperolinon congestum • FT - ST
Hesperolinon didymocarpum • SE

Malvaceae

Eremalche kernensis • FE
Fremontodendron decumbens • FE - SR
Fremontodendron mexicanum • FE - SR
Malacothamnus clementinus • FE - SE
Malacothamnus fasciculatus var. *nesioticus* • FE - SE
Sidalcea covillei • SE
Sidalcea hickmanii ssp. *anomala* • SR
Sidalcea hickmanii ssp. *parishii* • SR
Sidalcea keckii • FE

Sidalcea oregana ssp. *valida* • FE - SE
Sidalcea pedata • FE - SE
Sidalcea stipularis • SE

Montiaceae

Calyptridium pulchellum • FT
Lewisia congdonii • SR

Onagraceae

Camissonia benitensis • FT
Clarkia franciscana • FE - SE
Clarkia imbricata • FE - SE
Clarkia lingulata • SE
Clarkia speciosa ssp. *immaculata* • FE - SR
Clarkia springvillensis • FT - SE
Oenothera californica ssp. *eurekaensis* • FE - SR
Oenothera deltoides ssp. *howellii* • FE - SE

Orchidaceae

Piperia yadonii • FE

Polemoniaceae

Eriastrum densifolium var. *sanctorum* • SE
Eriastrum tracyi • SR
Gilia tenuiflora ssp. *arenaria* • FE - ST
Gilia tenuiflora ssp. *hoffmannii* • FE
Leptosiphon croceus • SE
Navarretia fossalis • FT
Navarretia leucocephala ssp. *pauciflora* • FE - ST
Navarretia leucocephala ssp. *pleiantha* • FE - SE
Phlox hirsuta • FE - SE

Polygonaceae

Acanthoscypha parishii var. *goodmaniana* • FE
Chorizanthe howellii • FE - ST
Chorizanthe orcuttiana • FE - SE
Chorizanthe parryi var. *fernandina* • SE
Chorizanthe pungens var. *hartwegiana* • FE
Chorizanthe pungens var. *pungens* • FT
Chorizanthe robusta var. *hartwegii* • FE
Chorizanthe robusta var. *robusta* • FE
Chorizanthe valida • FE - SE
Dedeckera eurekaensis • SR
Dodecahema leptoceras • FE - SE
Eriogonum alpinum • SE
Eriogonum apricum var. *apricum* • FE - SE
Eriogonum apricum var. *prostratum* • FE - SE
Eriogonum butterworthianum • SR
Eriogonum crocatum • SR
Eriogonum giganteum var. *compactum* • SR
Eriogonum grande var. *timorum* • SE
Eriogonum kelloggii • SE
Eriogonum kennedyi var. *austromontanum* • FT
Eriogonum ovalifolium var. *vineum* • FE

Eriogonum thornei • SE
Eriogonum twisselmannii • SR
Polygonum hickmanii • FE - SE

Ranunculaceae

Delphinium bakeri • FE - SE
Delphinium hesperium ssp. *cuyamaca* • SR
Delphinium luteum • FE - SR
Delphinium variegatum ssp. *kinkiense* • FE - SE

Rhamnaceae

Ceanothus ferrisiae • FE
Ceanothus hearstiorum • SR
Ceanothus maritimus • SR
Ceanothus masonii • SR
Ceanothus ophiochilus • FT - SE
Ceanothus roderickii • FE - SR

Rosaceae

Cercocarpus traskiae • FE - SE
Ivesia callida • SR
Ivesia webberi • FT
Potentilla hickmanii • FE - SE
Rosa minutifolia • SE

Rubiaceae

Galium angustifolium ssp. *borregoense* • SR
Galium buxifolium • FE - SR
Galium californicum ssp. *sierrae* • FE - SR
Galium catalinense ssp. *acrispum* • SE

Saxifragaceae

Bensoniella oregona • SR
Lithophragma maximum • FE - SE

Scrophulariaceae

Castilleja affinis ssp. *neglecta* • FE - ST
Castilleja campestris ssp. *succulenta* • FT - SE
Castilleja cinerea • FT
Castilleja gleasonii • SR
Castilleja grisea • FT - SE
Castilleja mollis • FE
Castilleja uliginosa • SE
Chloropyron maritimum ssp. *maritimum* • FE - SE
Chloropyron molle ssp. *molle* • FE - SR
Chloropyron palmatum • FE - SE
Cordylanthus nidularis • SR
Cordylanthus rigidus ssp. *littoralis* • SE
Cordylanthus tenuis ssp. *capillaris* • FE - SR
Diplacus vandenbergensis • FE
Gratiola heterosepala • SE
Holmgrenanthe petrophila • SR
Pedicularis dudleyi • SR

Umbelliferae (Apiaceae)

Eryngium aristulatum var. parishii • FE - SE

Eryngium constancei • FE - SE

Eryngium racemosum • SE

Lilaeopsis masonii • SR

Sanicula maritima • SR

Sanicula saxatilis • SR

Verbenaceae

Verbena californica • FT - ST

NUMERICAL SUMMARY

State Listed • Endangered • 136

State Listed • Rare • 64

State Listed • Threatened • 22

Total • 222

Federally Listed • Endangered • 134

Federally Listed • Threatened • 52

Total • 186

SOURCES

State of California. Department of Fish and Wildlife. California Natural Diversity Database. 2020. State and federally listed endangered, threatened, and rare plants of California.

www.wildlife.ca.gov/DATA/CNDDDB