

Cal Poly Humboldt

Digital Commons @ Cal Poly Humboldt

Botanical Studies

Open Educational Resources and Data

2018

California Vascular Plants: Are Some of Them Still Out There?

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, "California Vascular Plants: Are Some of Them Still Out There?" (2018). *Botanical Studies*. 74.

https://digitalcommons.humboldt.edu/botany_jps/74

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

Humboldt State University

Digital Commons @ Humboldt State University

Botanical Studies

Open Educational Resources and Data

2018

California Vascular Plants: Are Some of Them Still Out There?

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, "California Vascular Plants: Are Some of Them Still Out There?" (2018). *Botanical Studies*. 74.

https://digitalcommons.humboldt.edu/botany_jps/74

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 VASCULAR PLANTS: ARE SOME OF THEM STILL OUT THERE?

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

Sixth Edition • 31 July 2018

There are a number of native and naturalized vascular plants that have been documented as occurring in California, but that have not been observed or collected recently (generally in several decades). Documentation consists of herbarium specimens, literature citations, and field reports by experienced individuals.

Confirming that a plant no longer exists here is more challenging. As historians often caution, the absence of evidence is not evidence of absence. The declaration that a plant no longer persists assumes a level of knowledge and certainty that may not be justified. This conclusion is typically arrived at because visits to known historical sites or to similar habitats where the plant in question might be found have not been fruitful.

Two terms are commonly used in the literature to characterize such plants. Extinct is the more widely known term. It implies that the plants are no longer in existence, that they have died out. Extirpated is applied when it appears that we have removed or attempted to totally destroy plants in specific areas. The word itself is from the Latin and translates roughly as "to pull up by the roots."

I have divided this compilation into two sections. First are the plants that are native to California, some of them endemic (indicated by the symbol ♀). Some of the List 1 plants are extinct in California, but are known to be alive and well elsewhere. Others are endemic to the state and presumed no longer extant here or elsewhere.

The second list is composed of naturalized plants that have been accidentally or purposely introduced into California, but that have not become established. They have not been seen in many years and are probably no longer a component of our flora. By definition, none of these plants is endemic.

The most recent collection dates are based on specimens shown at the Consortium of California Herbaria website.

This is a preliminary attempt. Additions and deletions are inevitable.

A NUMERICAL SUMMARY

	List 1	List 2
Lycophytes	0	0
Ferns	1	2
Gymnosperms	0	1
Flowering Plants	105	124
Total	106	127

LIST 1: NATIVE SPECIES

F E R N S

Pteridaceae

Myriopteris x fibrillosa • 1882

F L O W E R I N G P L A N T S

Amaranthaceae

Atriplex tularensis • 1934

Guillemina densa var. *aggregata* • 1965

Apocynaceae

Asclepias latifolia • 1912

Funastrum heterophyllum • 1941

Asparagaceae

Triteleia hendersonii

Triteleia x versicolor • 1966 ♀

Boraginaceae

Cryptantha hooveri • 1939 ♀

Myosotis verna • 1982

Plagiobothrys lithocaryus • 1899 ♀

Plagiobothrys mollis var. *vestitus* • 1880 ♀

Compositae (Asteraceae)

Agoseris x dasycarpa • 1893

Artemisia arctica ssp. *arctica* • 1963

Artemisia ludoviciana ssp. *mexicana* • 1938

Brickellia longifolia var. *longifolia* • 1961

- Cirsium praeteriens* • 1901
Erigeron calvus • 1891 ♀
Erigeron mariposanus • 1900 ♀
Grindelia ciliata • 1962
Malacothrix similis • 1925 ♀
Stephanomeria runcinata • 1958
Stylocline sonorensis • 1930
Thelesperma megapotamicum • 1969
- Convolvulaceae**
- Calystegia sepium* ssp. *binghamiae* • 1965 ♀
Cuscuta cephalanthi • 1967
Cuscuta otusiflora var. *glandulosa* • 1948
Cuscuta veatchii • 1961
- Crassulaceae**
- Sedella leiocarpa* • 1963
- Cruciferae (Brassicaceae)**
- Arabis arcuata* var. *rubicunda* • 1908
Arabis hoffmannii • 1950
Hesperidanthus jaegeri • 1954 ♀
- Ericaceae**
- Arctostaphylos franciscana* • 1942 ♀
- Eriocaulaceae**
- Eriocaulon microcephalum* • 1857-58
- Geraniaceae**
- Geranium texanum* • 1973
- Gramineae (Poaceae)**
- Calamagrostis crassiglumis* • 1966
- Grossulariaceae**
- Ribes divaricatum* var. *parishii* • 1963 ♀
- Hydrocotylaceae**
- Hydrocotyle prolifera* • 1882
- Hydrophyllaceae**
- Phacelia amabilis* • 1942 [1971] ♀
- Iridaceae**
- Sisyrinchium hitchcockii* • 1938
- Juncaceae**
- Luzula glabrata* • 1966
Luzula piperi • 1966
- Labiatae (Lamiaceae)**
- Monarda pectinata* • 1932
Monardella leucocephala • 1941 ♀
Monardella pringlei • 1921 ♀
Poliomintha incana • 1938
Scutellaria angustifolia • 1948
- Leguminosae (Fabaceae)**
- Astragalus tephrodes* var. *brachylobus* • 1884
Lathyrus japonicus var. *maritimus* • 1928
Lupinus x cymba-egressus • 1950
Lupinus magnificus var. *hesperius* • 1942 ♀
Lupinus punto-reyesensis • 1947 ♀
Lupinus purpurascens • 1905 ♀
Indigofera sphaerocarpa • 1973
Lupinus sublanatus • 1968 ♀
- Lupinus subvexus* var. *phoeniceus* • 1947
Lupinus tidestromii var. *layneae* • 1925
Trifolium mucronatum ssp. *lacerum* • 1940
Trifolium siskiyouense • 1892 ♀
- Liliaceae**
- Calochortus monanthus* • 1876 ♀
Lilium pardalinum ssp. *pitkinense* • 1880 ♀
- Malvaceae**
- Gossypium barbadense* • 1920
Iliamna rivularis • 1949
- Nyctaginaceae**
- Abronia minor* • 1876
Abronia x neurophylla • 1901 ♀
- Oleaceae**
- Fraxinus coriacea* • 1922
- Onagraceae**
- Oenothera pubescens* • 1884
- Orchidaceae**
- Cypripedium parviflorum* ssp. *makasin* • 1892
- Polygonaceae**
- Eriogonum polycladon* • 1970
Eriogonum truncatum • 1936 ♀
Polygonum nuttallii • 1910
Polygonum polygaloides ssp. *polygaloides* • 1958
- Rhamnaceae**
- Ceanothus x lobbianus* • 1964 ♀
Ceanothus x mendocinensis • 1941 ♀
Ceanothus x rugosus • 1894 ♀
Ceanothus x serrulatus • 1926 ♀
Ceanothus x vanrensselaeri • 1964 ♀
- Rosaceae**
- Horkelia congesta* ssp. *nemorosa* • 1935
Physocarpus alternans ssp. *annulatus* • 1926 ♀
Potentilla multijuga • 1893 ♀
Potentilla uliginosa • 1947 ♀
- Rubiaceae**
- Diodia teres* var. *teres* • 1880
- Salicaceae**
- Salix bebbiana* • 1911 ♀
Salix commutata • 1969
- Scrophulariaceae**
- Antirrhinum elmeri* • 1903 ♀
Castilleja chrymactis • 1947
Castilleja lassensis • 1931 ♀
Castilleja uliginosa • 1971 ♀
Maurandya wislizeni • 1884
Mimulus brandegeei • 1888
Mimulus cleistogamous • 1937 ♀
Mimulus latifolius • 1963
Mimulus moschatus var. *sessiliflorus* • 1955
Mimulus platycalyx • 1940 ♀
Mimulus traskiae • 1901 ♀
Orobanche Robbinsii • 1966 ♀
Penstemon x peirsonii • 1923 ♀

Solanaceae

- Lycium verrucosum* • 1901 ♀
Physalis cinerascens • 1943
Solanum xanti var. *glabrescens* • 1949
Solanum xanti var. *obispense* • 1939 ♀

Umbelliferae (Apiaceae)

- Eryngium petiolatum* • 1893

Valerianaceae

- Valeriana dioica* var. *sylvatica* • 1940
Plectritis congesta ssp. *nitida* • 1973 ♀

Verbenaceae

- Verbena x clemensorium* • 1920
Verbena neomexicana var. *xylopoda* • 1969

Violaceae

- Viola californica* • 1946

SECTION II: NATURALIZED PLANTS**F E R N S****Blechnaceae**

- Woodwardia radicans* • 1957

Parkeriaceae

- Ceratopteris thalictroides* • 1970

C O N I F E R S**Ephedraceae**

- Ephedra altissima* • 1974

F L O W E R I N G P L A N T S**Acoraceae**

- Acorus calamus* • 1959

Aizoaceae

- Lampranthus roseus* • 1934
Lampranthus zeyhen • 1954

Alismataceae

- Alisma subcordata* • 1935

Amaranthaceae

- Amaranthus spinosus* • 1971
Atriplex vesicaria • 1974

Amaryllidaceae

- Allium ampeloprasum* • 1974
Narcissus x incomparabilis • 1965

Anacardiaceae

- Lithrea molleoides* • 1965

Araceae

- Pinellia ternata* • 1935

Berberidaceae

- Berberis vulgaris* • 1952

Boraginaceae

- Anchusa arvensis* • 1918
Anchusa azurea • 1965
Lappula squarrosa • 1941
Myosotis arvensis • 1938

Cactaceae

- Opuntia tomentosa* • 1962

Campanulaceae

- Legousia speculum-veneris* • 1912

Caprifoliaceae

- Lonicera etrusaca* • 1948
Lonicera tatarica • 1959

Caryophyllaceae

- Silene coeli-rosea* • 1967

Cistaceae

- Halimium lasianthum* • 1949

Compositae (Asteraceae)

- Arctotis fastuosa* • 1889
Centaurea cinerea • 1974
Centaura nigrescens • 1955
Cirsium scabrum • 1900
Cyclachaena xanthiiifolia • 1975
Dimorphotheca pluvialis • 1962
Echinops sphaerocephalus • 1952
Euchiton involucratus • 1948
Galinsoga quadriradiata • 1975
Grindelia ciliata • 1962
Heliomeris hispida • 1889
Ismelia carinata • 1967
Leontodon autumnalis ssp. *autumnalis* • 1963
Leucanthemum lacustre • 1963
Mantisalca salmantica • 1897
Melampodium perfoliatum • 1935
Stephanomeria runcinata • 1958
Symphyotrichum novae-angliae • 1966
Tanacetum balsamita • 1936

Convolvulaceae

- Convolvulus althaeoides* • 1950
Cuscuta obtusiflora var. *glandulosa* • 1948
Cuscuta reflexa • 1969
Cuscuta suaveolens • 1918
Ipomoea batata • 1968

Cruciferae (Brassicaceae)

- Draba nemorosa* • 1910
Ionopsis acaule • 1933

Cucurbitaceae

- Cucumis anguria* • 1939
Cucurbita ficifolia • 1968

Cymodoceaceae

- Halodulce wrightii* • 1962

Cyperaceae

- Carex mesochorea* • 1929
Eleocharis tenuis var. *tenuis* • 1957

Dipsacaceae

- Scabiosa stellata* • 1893

Eriocaulaceae
Eriocaulon cinereum • 1947

Euphorbiaceae
Euphorbia davidii • 1970
Euphorbia pulcherrima • 1967

Geraniaceae
Erodium cygnorum • 1925
Geranium solanderi • 1954
Pelargonium inodorum • 1956
Pelargonium zonale • 1968

Gramineae (Poaceae)
Agrostis nebulosa • 1889
Axonopus fissifolius • 1958
Bambusa multiplex • 1961
Bromus scoparius • 1892
Cenchrus latifolius • 1969
Cynodon plectostachyus • 1957
Digitaria bicornis • 1926
Digitaria eriantha ssp. e. • 1939
Eremochloa ciliaris • 1880
Erioneuron avenaceum • 1880
Eustachys distichophylla • 1941
Hordeum bulbosum • 1946
Oryza rufipogon • 1922
Paspalum boscianum • 1934
Polypogon fugax • 1879
Pseudosasa japonica • 1967
Trisetum flavescens • 1917

Iridaceae
Freesia alba • 1947
Ixia maculata • 1966
Libertia formosa • 1943
Moraea polystachya • 1971
Sisyrinchium minus • 1944

Juncaceae
Juncus anthelatus • 1951

Labiatae (Lamiaceae)
Galeopsis tetrahit • 1947
Mentha x gracilis • 1968
Mentha longifolia • 1963
Moluccella laevis • 1969
Salvia officinalis • 1894
Salvia verbenacea • 1936

Leguminosae (Fabaceae)
Caragana arborescens • 1967
Cytisus x dallmorei • 1963
Genista stenopetala • 1967
Halimodendron halodendron • 1972
Indigofera hirsuta • 1969
Otholobium fruticans • 1877
Phaseolus vulgaris • 1967
Prosopis strombulifera • 1965
Trigonella corniculata • 1938

Malvaceae
Sidal rhomboidea • 1964

Moraceae
Morus nigra • 1970
Morus rubra • 1963

Myrtaceae
Luma apiculata • 1957

Nyctaginaceae
Mirabilis nyctaginea • 1919

Nymphaeaceae
Nelumbo nucifera • 1967

Papaveraceae
Hunnemannia fumariifolia • 1975

Plantaginaceae
Plantago firma • 1957

Polygonaceae
Polygonum x bohemicum • 1958

Resedaceae
Reseda odorata • 1951

Rosaceae
Agrimonia striata • 1909
Photinia davidiana • 1958
Rubus allegheniensis ssp. *allegheniensis* • 1932

Salicaceae
Salix purpurea • 1920

Scrophulariaceae
Veronica x franciscana • 1958
Veronica triphylllos • 1973

Solanaceae
Cestrum aurantiacum • 1933
Nicotiana alata • 1960
Physalis viscosa • 1945
Solanum dimidiatum • 1974
Solanum jasminoides • 1936
Solanum sisymbriifolium • 1961
Solanum tuberosum • 1893

Umbelliferae (Apiaceae)
Torilis japonica • 1974

Verbenaceae
Phyla caespitosa • 1962
Verbena neomexicana • 1969