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CALIFORNIA VASCULAR PLANTS: ARE SOME OF THEM STILL OUT THERE?

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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

FERN S

Pteridaceae

Myriopteris x fibrillosa • 1882

FLOWERING PLANTS

Amaranthaceae

Atriplex tularensis • 1934

Guillemlia 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. obispoense • 1939 ✨

Umbelliferae (Apiaceae)

Eryngium petiolatum • 1893

Valerianaceae

Valeriana dioica var. sylvatica • 1940
Plectritis congesta ssp. nitida • 1973 ✨

Verbenaceae

Verbena x clemensiorum • 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

Alimataceae

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
Centaurea nigrescens • 1955
Cirsium scabrum • 1900
Cyclachaena xanthiifolia • 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
Mantiscalca 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
Ionopsidium 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 antheratus • 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 triphyllos • 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