



**California Department of Fish and Wildlife
California Natural Diversity Database (CNDDDB)**



**SPECIAL VASCULAR PLANTS,
BRYOPHYTES, AND LICHENS LIST**

January 2018

Recommended Citation:

California Department of Fish and Wildlife, Natural Diversity Database. January 2018. Special Vascular Plants, Bryophytes, and Lichens List. Quarterly publication. 127 pp.

Table of Contents

Special Plants	iv
NatureServe Element Ranking For Plants	v
California Rare Plant Ranks.....	vii
Special Lichens	viii
Rare Plant Seed Banking.....	ix
Botanic Survey Protocols.....	x
Special Plants, Bryophytes, and Lichens List	xix

Special Plants

Last updated July, 2013

“Special Plants” is a broad term used to refer to all the plant taxa inventoried by the Department of Fish and Wildlife’s California Natural Diversity Database (CNDDDB), regardless of their legal or protection status. Special Plants include vascular plants and high priority bryophytes (mosses, liverworts, and hornworts). A few lichens are also tracked. Special Plant taxa are species, subspecies, or varieties that fall into one or more of the following categories:

- Officially listed by California or the Federal Government as Endangered, Threatened, or Rare;
- A candidate for state or federal listing as Endangered, Threatened, or Rare;
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the California Environmental Quality Act (CEQA) Guidelines; these taxa may indicate “None” under listing status, but note that all California Rare Plant Rank 1 and 2 and some Rank 3 and 4 plants may fall under Section 15380 of CEQA.
- A Bureau of Land Management, U.S. Fish and Wildlife Service, or U.S. Forest Service Sensitive Species;
- Taxa listed in the California Native Plant Society’s *Inventory of Rare and Endangered Plants of California*;
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range but not currently threatened with extirpation;
- Population(s) in California that may be peripheral to the major portion of a taxon’s range but are threatened with extirpation in California; and
- Taxa closely associated with a habitat that is declining in California at a significant rate (e.g. wetlands, riparian, vernal pools, old growth forests, desert aquatic systems, native grasslands, valley shrubland habitats, etc.).

This list contains taxa that are actively inventoried by the CNDDDB (Note: Taxa mapped in the GIS have a “yes” in the right column of the list) as well as an almost equal number of taxa (mostly Rare Plant Rank 3 and 4) which we track but for which we only currently have quad and county level geographic information. For the latter taxa, we maintain site and other information in manual files along with Internet access to the quad and county level information via our “*CNDDDB QuickView.*” These plants will be mapped as time permits or when we have enough information to determine that they fulfill our rarity and/or endangerment criteria. For more copies of this list or other CNDDDB information, call (916) 324-3812 or email CNDDDB Information Services, at BDB@wildlife.ca.gov.

NatureServe Element Ranking For Plants

Last updated July, 2013

All Heritage Programs, such as the California Natural Diversity Database (CNDDDB) use the same ranking methodology, originally developed by The Nature Conservancy and now maintained and recently revised by NatureServe. It includes a **Global rank** (G rank), describing the rank for a given taxon over its entire distribution and a **State rank** (S rank), describing the rank for the taxon over its state distribution. For subspecies and varieties, there is also a “T” rank describing the global rank for the subspecies. The next page of this document details the criteria used to assign element ranks, from G1 to G5 for the Global rank and from S1 to S5 for the State rank. Procedurally, state programs such as the CNDDDB develop the State ranks and the Global ranks collaboratively among states/provinces containing the species. NatureServe then checks for consistency and logical errors at the national level.

An element rank is assigned using standard criteria and rank definitions. This standardization makes the ranks comparable across organism and political boundaries. NatureServe has developed a “rank calculator” to help increase repeatability and transparency of the ranking process. The three main categories that are taken into consideration when assigning an element rank are rarity, threats, and trends. Within these three categories, various factors are considered including:

- Range extent, area of occupancy, population size, number of occurrences and number of good occurrences (ranked A or B). Environmental specificity can also be used if other information is lacking.
- Overall threat impact as well as intrinsic vulnerability (if threats are unknown).
- Long-term and short-term trends.

Detailed information on the newest element ranking methodology can be found here:

<http://natureserve.org/publications/library.jsp>

With the above considerations in mind, refer below for the numerical definitions for G1-5 and S1-5. An element’s ranking status may be adjusted up or down depending upon the considerations above.

Element Ranking

GLOBAL RANKING

The *global rank* (G-rank) is a reflection of the overall status of an element throughout its global range. **Both Global and State ranks represent a letter+number score that reflects a combination of Rarity, Threat and Trend factors, with weighting being heavier on Rarity than the other two.**

SPECIES OR NATURAL COMMUNITY LEVEL

- G1 = Critically Imperiled**—At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
- G2 = Imperiled**—At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.
- G3 = Vulnerable**—At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
- G4 = Apparently Secure**—Uncommon but not rare; some cause for long-term concern due to declines or other factors.
- G5 = Secure**—Common; widespread and abundant.

SUBSPECIES LEVEL

Subspecies receive a **T-rank** attached to the G-rank. With the subspecies, the G-rank reflects the condition of the entire species, whereas the T-rank reflects the global situation of just the subspecies or variety. For example: *Chorizanthe robusta* var. *hartwegii* is ranked G2T1. The G-rank refers to the whole species range i.e., *Chorizanthe robusta*. The T-rank refers only to the global condition of var. *hartwegii*.

STATE RANKING

The *state rank* (S-rank) is assigned much the same way as the global rank, but state ranks refer to the imperilment status only within California's state boundaries.

- S1 = Critically Imperiled**—Critically imperiled in the state because of extreme rarity (often 5 or fewer populations) or because of factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.
- S2 = Imperiled**—Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the state.
- S3 = Vulnerable**—Vulnerable in the state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation from the state.
- S4 = Apparently Secure**—Uncommon but not rare in the state; some cause for long-term concern due to declines or other factors.
- S5 = Secure**—Common, widespread, and abundant in the state.

Notes:

1.	Other considerations used when ranking a species or natural community include the pattern of distribution of the element on the landscape, fragmentation of the population/stands, and historical extent as compared to its modern range. It is important to take a bird's eye or aerial view when ranking sensitive elements rather than simply counting element occurrences.		3.	Other symbols: GH All sites are historical ; the element has not been seen for at least 20 years, but suitable habitat still exists (SH = All California sites are historical). GX All sites are extirpated ; this element is extinct in the wild (SX = All California sites are extirpated). GXC Extinct in the wild; exists in cultivation. G1Q The element is very rare, but there are taxonomic questions associated with it. T Rank applies to a subspecies or variety.
2.	Uncertainty about the rank of an element is expressed in two major ways: By expressing the ranks as a range of values: e.g., S2S3 means the rank is somewhere between S2 and S3. By adding a ? to the rank: e.g., S2? This represents more certainty than S2S3, but less certainty than S2.			

California Rare Plant Ranks¹

- 1A. Presumed extirpated in California and either rare or extinct elsewhere
- 1B. Rare or Endangered in California and elsewhere
- 2A. Presumed extirpated in California, but more common elsewhere
- 2B. Rare or Endangered in California, but more common elsewhere
- 3. Plants for which we need more information - Review list
- 4. Plants of limited distribution - Watch list

1A: Plants Presumed Extirpated in California and either rare or extinct elsewhere

The plants of Rank 1A are presumed extirpated because they have not been seen or collected in the wild in California for many years. This rank includes those plant taxa that are both presumed extinct, as well as those plants which are presumed extirpated in California and rare elsewhere. A plant is extinct if it no longer occurs anywhere. A plant that is extirpated from California has been eliminated from California, but may still occur elsewhere in its range.

1B: Plants Rare, Threatened, or Endangered in California and Elsewhere (Includes Rare Plant Ranks 1B.1, 1B.2, 1B.3)

The plants of Rank 1B are rare throughout their range with the majority of them endemic to California. Most of the plants that are ranked 1B have declined significantly over the last century. California Rare Plant Rank 1B plants constitute the majority of plant taxa tracked by the CNDDDB, with more than 1,000 plants assigned to this category of rarity.

2A: Plants Presumed Extirpated in California, but more common elsewhere

The plants of Rank 2A are presumed extirpated because they have not been seen or collected in the wild in California for many years. This rank includes only those plant taxa that are presumed extirpated in California, but that are more common elsewhere in their range. Note: Plants of both Rank 1A and 2A are presumed extirpated in California; the only difference is the status of the plants outside of the state.

2B: Plants Rare, Threatened, or Endangered in California, but More Common Elsewhere (Includes Rare Plant Ranks 2B.1, 2B.2, 2B.3)

The plants of Rank 2B are rare, threatened or endangered in California, but more common elsewhere. Plants common in other states or countries are not eligible for consideration under the provisions of the **Federal** Endangered Species Act; however they are eligible for consideration under the **California** Endangered Species Act. This rank is meant to highlight the importance of protecting the geographic range and genetic diversity of more widespread species by protecting those species whose ranges just extend into California. Note: Plants of both Rank 1B and 2B are rare, threatened or endangered in California; the only difference is the status of the plants outside of the state.

3: Plants About Which We Need More Information - A Review list (Includes Rare Plant Ranks 3, 3.1, 3.2, 3.3)

The plants that comprise Rank 3 are united by one common theme--we lack the necessary information to assign them to one of the other lists or to reject them. Nearly all of the plants remaining on Rank 3 are taxonomically problematic.

4: Plants of Limited Distribution - A Watch list (Includes Rare Plant Ranks 4.1, 4.2, 4.3)

The plants in this category are of limited distribution or infrequent throughout a broader area in California, and their vulnerability or susceptibility to threat appears low at this time. While we cannot call these plants “rare” from a statewide perspective, they are uncommon enough that their status should be monitored regularly. Should the degree of endangerment or rarity of a Rank 4 plant change, we will transfer it to a more appropriate rank or delete it from consideration.

Threat Ranks:

The California Rare Plant Ranks (CRPR) use a decimal-style threat rank. The threat rank is an extension added onto the CRPR and designates the level of threats by a 1 to 3 ranking with 1 being the most threatened and 3 being the least threatened. Most CRPRs read as 1B.1, 1B.2, 1B.3, etc. Note that some Rank 3 plants do not have a threat code extension due to difficulty in ascertaining threats. Rank 1A and 2A plants also do not have threat code extensions since there are no known extant populations in California.

Threat Code extensions and their meanings:

- .1- Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- .2- Moderately threatened in California (20-80% of occurrences threatened / moderate degree and immediacy of threat)
- .3- Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

¹ In March, 2010, the name “CNPS List” or “CNPS Ranks” was changed to “California Rare Plant Rank” (or CRPR).

In July 2013, CNPS revised the Rare Plant Ranks in order to better define and categorize rarity in California’s flora. In essence, Rank 2 was split into Rank 2A and Rank 2B to be complementary to the already existing 1A and 1B ranks. This split in Rank 2 plants resulted in five Rank 2 plants moving to Rank 2A and the remaining Rank 2 plants being re-classified as Rank 2B.

Special Lichens

Last updated July, 2014

Lichens are not plants, but a symbiotic relationship between a fungus and either green algae or cyanobacteria (aka bluegreen algae).

Many lichen taxa are under-studied and under-surveyed. For this reason, a detailed and cautious approach is taken when a lichen taxa is nominated as a potential species of conservation concern. In particular, special attention is paid to survey efforts and rate of occurrence discovery when deciding whether a lichen is of conservation concern.

There are a few lichens in California for which we have adequate information to place them on our Special Vascular Plants, Bryophytes, and Lichens list. They appear after the bryophytes at the beginning of the list. Lichen statuses are developed in coordination with the California Lichen Society (CALs) and relevant experts. Please visit the California Lichen Society webpage for additional information about sponsoring a lichen of conservation concern (<http://californialichens.org/>).

Rare Plant Seed Banking

Last updated July, 2014

As of July 2014, the CNDDDB is including within our database information on whether a particular CNDDDB-tracked taxon has been seed banked at an official seed banking institution. The institutions that we currently have information from are: Rancho Santa Ana Botanic Garden, Santa Barbara Botanic Garden, UC Berkeley Botanical Garden, US Department of Agriculture, and Berry Seed Bank. We will soon be receiving additional information from Kew Royal Botanic Gardens and the San Diego Zoo Conservation and Research for Endangered Species (CRES) Native Gene Seed Bank.

The Special Vascular Plants, Bryophytes, and Lichens List now contains a column for whether the taxon has been seed banked (Yes or No). For those with a subscription to the CNDDDB, additional information about which institution/organization houses the seed bank, as well as seed bank querying capabilities, will soon be available through RareFind.

CNDDDB is providing this seed bank information as a courtesy to our clients for use in their conservation activities. Seed banking is a long-term conservation strategy that can complement the *in situ* protection and conservation of rare plant populations. If a species is seed banked, it does not mean that the species is any less rare or of any less conservation concern. As with all information in CNDDDB, this seed bank information should be used with caution. It is essential that anyone who makes a seed collection be aware of seed collection and documentation guidelines. Please see Rancho Santa Ana Botanic Garden's webpage for some additional information on seed collections (<http://www.rsabg.org/seed-conservation-program>).

Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities

State of California
CALIFORNIA NATURAL RESOURCES AGENCY
Department of Fish and Game
November 24, 2009²

INTRODUCTION AND PURPOSE

The conservation of special status native plants and their habitats, as well as natural communities, is integral to maintaining biological diversity. The purpose of these protocols is to facilitate a consistent and systematic approach to the survey and assessment of special status native plants and natural communities so that reliable information is produced and the potential of locating a special status plant species or natural community is maximized. They may also help those who prepare and review environmental documents determine when a botanical survey is needed, how field surveys may be conducted, what information to include in a survey report, and what qualifications to consider for surveyors. The protocols may help avoid delays caused when inadequate biological information is provided during the environmental review process; assist lead, trustee and responsible reviewing agencies to make an informed decision regarding the direct, indirect, and cumulative effects of a proposed development, activity, or action on special status native plants and natural communities; meet California Environmental Quality Act (CEQA)³ requirements for adequate disclosure of potential impacts; and conserve public trust resources.

DEPARTMENT OF FISH AND GAME TRUSTEE AND RESPONSIBLE AGENCY MISSION

The mission of the Department of Fish and Game (DFG) is to manage California's diverse wildlife and native plant resources, and the habitats upon which they depend, for their ecological values and for their use and enjoyment by the public. DFG has jurisdiction over the conservation, protection, and management of wildlife, native plants, and habitat necessary to maintain biologically sustainable populations (Fish and Game Code §1802). DFG, as trustee agency under CEQA §15386, provides expertise in reviewing and commenting on environmental documents and makes protocols regarding potential negative impacts to those resources held in trust for the people of California.

Certain species are in danger of extinction because their habitats have been severely reduced in acreage, are threatened with destruction or adverse modification, or because of a combination of these and other factors. The California Endangered Species Act (CESA) provides additional protections for such species, including take prohibitions (Fish and Game Code §2050 *et seq.*). As a responsible agency, DFG has the authority to issue permits for the take of species listed under CESA if the take is incidental to an otherwise lawful activity; DFG has determined that the impacts of the take have been minimized and fully mitigated; and, the take would not jeopardize the continued existence of the species (Fish and

² This document replaces the DFG document entitled "Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened and Endangered Plants and Natural Communities."

³ <http://resources.ca.gov/ceqa>

Game Code §2081). Surveys are one of the preliminary steps to detect a listed or special status plant species or natural community that may be impacted significantly by a project.

DEFINITIONS

Botanical surveys provide information used to determine the potential environmental effects of proposed projects on all special status plants and natural communities as required by law (i.e., CEQA, CESA, and Federal Endangered Species Act (ESA)). Some key terms in this document appear in **bold font** for assistance in use of the document.

For the purposes of this document, **special status plants** include all plant species that meet one or more of the following criteria⁴:

- Listed or proposed for listing as threatened or endangered under ESA or candidates for possible future listing as threatened or endangered under the ESA (50 CFR §17.12).
- Listed⁵ or candidates for listing by the State of California as threatened or endangered under CESA (Fish and Game Code §2050 *et seq.*). A species, subspecies, or variety of plant is **endangered** when the prospects of its survival and reproduction in the wild are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, over-exploitation, predation, competition, disease, or other factors (Fish and Game Code §2062). A plant is **threatened** when it is likely to become endangered in the foreseeable future in the absence of special protection and management measures (Fish and Game Code §2067).
- Listed as rare under the California Native Plant Protection Act (Fish and Game Code §1900 *et seq.*). A plant is **rare** when, although not presently threatened with extinction, the species, subspecies, or variety is found in such small numbers throughout its range that it may be endangered if its environment worsens (Fish and Game Code §1901).
- Meet the definition of rare or endangered under CEQA §15380(b) and (d). Species that may meet the definition of rare or endangered include the following:
 - ◆ Species considered by the California Native Plant Society (CNPS) to be “rare, threatened or endangered in California” (Lists 1A, 1B and 2);
 - ◆ Species that may warrant consideration on the basis of local significance or recent biological information⁶;
 - ◆ Some species included on the California Natural Diversity Database’s (CNDDDB) *Special*

⁴ Adapted from the East Alameda County Conservation Strategy available at <http://www.eastalco-conservation.org/>

⁵ Refer to current online published lists available at: <https://www.wildlife.ca.gov/Data/CNDDDB>

⁶ In general, CNPS List 3 plants (plants about which more information is needed) and List 4 plants (plants of limited distribution) may not warrant consideration under CEQA §15380. These plants may be included on special status plant lists such as those developed by counties where they would be addressed under CEQA §15380. List 3 plants may be analyzed under CEQA §15380 if sufficient information is available to assess potential impacts to such plants. Factors such as regional rarity vs. statewide rarity should be considered in determining whether cumulative impacts to a List 4 plant are significant even if individual project impacts are not. List 3 and 4 plants are also included in the California Natural Diversity Database’s (CNDDDB) *Special Plants, Bryophytes, and Lichens List*. [Refer to the current online published list available at: <https://www.wildlife.ca.gov/Data/CNDDDB>.] Data on Lists 3 and 4 plants should be submitted to CNDDDB. Such data aids in determining or revising priority ranking.

Plants, Bryophytes, and Lichens List (California Department of Fish and Game 2008)⁷.

- Considered a **locally significant species**, that is, a species that is not rare from a statewide perspective but is rare or uncommon in a local context such as within a county or region (CEQA §15125 (c)) or is so designated in local or regional plans, policies, or ordinances (CEQA Guidelines, Appendix G). Examples include a species at the outer limits of its known range or a species occurring on an uncommon soil type.

Special status natural communities are communities that are of limited distribution statewide or within a county or region and are often vulnerable to environmental effects of projects. These communities may or may not contain special status species or their habitat. The most current version of the Department's *List of California Terrestrial Natural Communities*⁸ indicates which natural communities are of special status given the current state of the California classification.

Most types of wetlands and riparian communities are considered special status natural communities due to their limited distribution in California. These natural communities often contain special status plants such as those described above. These protocols may be used in conjunction with protocols formulated by other agencies, for example, those developed by the U.S. Army Corps of Engineers to delineate jurisdictional wetlands⁹ or by the U.S. Fish and Wildlife Service to survey for the presence of special status plants¹⁰.

BOTANICAL SURVEYS

Conduct botanical surveys prior to the commencement of any activities that may modify vegetation, such as clearing, mowing, or ground-breaking activities. It is appropriate to conduct a botanical field survey when:

- Natural (or naturalized) vegetation occurs on the site, and it is unknown if special status plant species or natural communities occur on the site, and the project has the potential for direct or indirect effects on vegetation; or
- Special status plants or natural communities have historically been identified on the project site; or
- Special status plants or natural communities occur on sites with similar physical and biological properties as the project site.

SURVEY OBJECTIVES

Conduct field surveys in a manner which maximizes the likelihood of locating special status plant species or special status natural communities that may be present. Surveys should be **floristic in nature**, meaning that every plant taxon that occurs on site is identified to the taxonomic level necessary to determine rarity and listing status. "Focused surveys" that are limited to habitats known to support special status species or are restricted to lists of likely potential species are not considered floristic in nature and are not adequate to identify all plant taxa on site to the level necessary to determine rarity and listing status. Include a list of plants and natural communities detected on the

⁷ Refer to current online published lists available at: <https://www.wildlife.ca.gov/Data/CNDDB>.

⁸ Available at <http://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=107303>

⁹ <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits/techbio.aspx>

¹⁰ U.S. Fish and Wildlife Service Survey Guidelines: http://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/es_survey.htm

site for each botanical survey conducted. More than one field visit may be necessary to adequately capture the floristic diversity of a site. An indication of the prevalence (estimated total numbers, percent cover, density, etc.) of the species and communities on the site is also useful to assess the significance of a particular population.

SURVEY PREPARATION

Before field surveys are conducted, compile relevant botanical information in the general project area to provide a regional context for the investigators. Consult the CNDDDB¹¹ and BIOS¹² for known occurrences of special status plants and natural communities in the project area prior to field surveys. Generally, identify vegetation and habitat types potentially occurring in the project area based on biological and physical properties of the site and surrounding ecoregion¹³, unless a larger assessment area is appropriate. Then, develop a list of special status plants with the potential to occur within these vegetation types. This list can serve as a tool for the investigators and facilitate the use of reference sites; however, special status plants on site might not be limited to those on the list. Field surveys and subsequent reporting should be comprehensive and floristic in nature and not restricted to or focused only on this list. Include in the survey report the list of potential special status species and natural communities, and the list of references used to compile the background botanical information for the site.

SURVEY EXTENT

Surveys should be comprehensive over the entire site, including areas that will be directly or indirectly impacted by the project. Adjoining properties should also be surveyed where direct or indirect project effects, such as those from fuel modification or herbicide application, could potentially extend offsite. Pre-project surveys restricted to known CNDDDB rare plant locations may not identify all special status plants and communities present and do not provide a sufficient level of information to determine potential impacts.

FIELD SURVEY METHOD

Conduct surveys using **systematic field techniques** in all habitats of the site to ensure thorough coverage of potential impact areas. The level of effort required per given area and habitat is dependent upon the vegetation and its overall diversity and structural complexity, which determines the distance at which plants can be identified. Conduct surveys by walking over the entire site to ensure thorough coverage, noting all plant taxa observed. The level of effort should be sufficient to provide comprehensive reporting. For example, one person-hour per eight acres per survey date is needed for a comprehensive field survey in grassland with medium diversity and moderate terrain¹⁴, with additional time allocated for species identification.

TIMING AND NUMBER OF VISITS

Conduct surveys in the field at the time of year when species are both evident and identifiable. Usually this is during flowering or fruiting. Space visits throughout the growing season to accurately

¹¹ Available <https://www.wildlife.ca.gov/Data/CNDDDB>

¹² <https://www.wildlife.ca.gov/Data/BIOS>

¹³ *Ecological Subregions of California*, available at <http://www.fs.fed.us/land/pubs/ecoregions/toc.html>

¹⁴ Adapted from U.S. Fish and Wildlife Service kit fox survey guidelines available at www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/es_survey.htm

determine what plants exist on site. Many times this may involve multiple visits to the same site (e.g. in early, mid, and late-season for flowering plants) to capture the floristic diversity at a level necessary to determine if special status plants are present¹⁵. The timing and number of visits are determined by geographic location, the natural communities present, and the weather patterns of the year(s) in which the surveys are conducted.

REFERENCE SITES

When special status plants are known to occur in the type(s) of habitat present in the project area, observe reference sites (nearby accessible occurrences of the plants) to determine whether those species are identifiable at the time of the survey and to obtain a visual image of the target species, associated habitat, and associated natural community.

USE OF EXISTING SURVEYS

For some sites, floristic inventories or special status plant surveys may already exist. Additional surveys may be necessary for the following reasons:

- Surveys are not current¹⁶; or
- Surveys were conducted in natural systems that commonly experience year to year fluctuations such as periods of drought or flooding (e.g. vernal pool habitats or riverine systems); or
- Surveys are not comprehensive in nature; or fire history, land use, physical conditions of the site, or climatic conditions have changed since the last survey was conducted¹⁷; or
- Surveys were conducted in natural systems where special status plants may not be observed if an annual above ground phase is not visible (e.g. flowers from a bulb); or
- Changes in vegetation or species distribution may have occurred since the last survey was conducted, due to habitat alteration, fluctuations in species abundance and/or seed bank dynamics.

NEGATIVE SURVEYS

Adverse conditions may prevent investigators from determining the presence of, or accurately identifying, some species in potential habitat of target species. Disease, drought, predation, or herbivory may preclude the presence or identification of target species in any given year. Discuss such conditions in the report.

The failure to locate a known special status plant occurrence during one field season does not constitute evidence that this plant occurrence no longer exists at this location, particularly if adverse conditions are present. For example, surveys over a number of years may be necessary if the species

¹⁵ U.S. Fish and Wildlife Service Survey Guidelines available at http://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/es_survey.htm

¹⁶ Habitats, such as grasslands or desert plant communities that have annual and short-lived perennial plants as major floristic components may require yearly surveys to accurately document baseline conditions for purposes of impact assessment. In forested areas, however, surveys at intervals of five years may adequately represent current conditions. For forested areas, refer to “Guidelines for Conservation of Sensitive Plant Resources Within the Timber Harvest Review Process and During Timber Harvesting Operations”, available at <https://www.wildlife.ca.gov/Data/CNDDDB>

¹⁷ U.S. Fish and Wildlife Service Survey Guidelines available at http://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/es_survey.htm

is an annual plant having a persistent, long-lived seed bank and is known not to germinate every year. Visits to the site in more than one year increase the likelihood of detection of a special status plant especially if conditions change. To further substantiate negative findings for a known occurrence, a visit to a nearby reference site may ensure that the timing of the survey was appropriate.

REPORTING AND DATA COLLECTION

Adequate information about special status plants and natural communities present in a project area will enable reviewing agencies and the public to effectively assess potential impacts to special status plants or natural communities¹⁸ and will guide the development of minimization and mitigation measures. The next section describes necessary information to assess impacts. For comprehensive, systematic surveys where no special status species or natural communities were found, reporting and data collection responsibilities for investigators remain as described below, excluding specific occurrence information.

SPECIAL STATUS PLANT OR NATURAL COMMUNITY OBSERVATIONS

Record the following information for locations of each special status plant or natural community detected during a field survey of a project site.

- A detailed map (1:24,000 or larger) showing locations and boundaries of each special status species occurrence or natural community found as related to the proposed project. Mark occurrences and boundaries as accurately as possible. Locations documented by use of global positioning system (GPS) coordinates must include the datum¹⁹ in which they were collected;
- The site-specific characteristics of occurrences, such as associated species, habitat and microhabitat, structure of vegetation, topographic features, soil type, texture, and soil parent material. If the species is associated with a wetland, provide a description of the direction of flow and integrity of surface or subsurface hydrology and adjacent off-site hydrological influences as appropriate;
- The number of individuals in each special status plant population as counted (if population is small) or estimated (if population is large);
- If applicable, information about the percentage of individuals in each life stage such as seedlings vs. reproductive individuals;
- The number of individuals of the species per unit area, identifying areas of relatively high, medium and low density of the species over the project site; and
- Digital images of the target species and representative habitats to support information and descriptions.

FIELD SURVEY FORMS

When a special status plant or natural community is located, complete and submit to the CNDDDB a California Native Species (or Community) Field Survey Form²⁰ or equivalent written report,

¹⁸ Refer to current online published lists available at: <https://www.wildlife.ca.gov/Data/CNDDDB>. For Timber Harvest Plans (THPs) please refer to the “Guidelines for Conservation of Sensitive Plant Resources Within the Timber Harvest Review Process and During Timber Harvesting Operations”, available at <https://www.wildlife.ca.gov/Data/CNDDDB>

¹⁹ NAD83, NAD27 or WGS84

²⁰ <https://www.wildlife.ca.gov/Data/CNDDDB>

accompanied by a copy of the relevant portion of a 7.5 minute topographic map with the occurrence mapped. Present locations documented by use of GPS coordinates in map and digital form. Data submitted in digital form must include the datum²¹ in which it was collected. If a potentially undescribed special status natural community is found on the site, document it with a Rapid Assessment or Relevé form²² and submit it with the CNDDDB form.

VOUCHER COLLECTION

Voucher specimens provide verifiable documentation of species presence and identification as well as a public record of conditions. This information is vital to all conservation efforts. Collection of voucher specimens should be conducted in a manner that is consistent with conservation ethics, and is in accordance with applicable state and federal permit requirements (e.g. incidental take permit, scientific collection permit). Voucher collections of special status species (or suspected special status species) should be made only when such actions would not jeopardize the continued existence of the population or species.

Deposit voucher specimens with an indexed regional herbarium²³ no later than 60 days after the collections have been made. Digital imagery can be used to supplement plant identification and document habitat. Record all relevant permittee names and permit numbers on specimen labels. A collecting permit is required prior to the collection of State-listed plant species²⁴.

BOTANICAL SURVEY REPORTS

Include reports of botanical field surveys containing the following information with project environmental documents:

- **Project and site description**
 - ◆ A description of the proposed project;
 - ◆ A detailed map of the project location and study area that identifies topographic and landscape features and includes a north arrow and bar scale; and,
 - ◆ A written description of the biological setting, including vegetation²⁵ and structure of the vegetation; geological and hydrological characteristics; and land use or management history.
- **Detailed description of survey methodology and results**
 - ◆ Dates of field surveys (indicating which areas were surveyed on which dates), name of field investigator(s), and total person-hours spent on field surveys;

²¹ NAD83, NAD27 or WGS84

²² <https://www.wildlife.ca.gov/Data/VegCAMP>

²³ For a complete list of indexed herbaria, see: Holmgren, P., N. Holmgren and L. Barnett. 1990. Index Herbariorum, Part 1: Herbaria of the World. New York Botanic Garden, Bronx, New York. 693 pp. Or: <http://www.nybg.org/bsci/ih/ih.html>

²⁴ Refer to current online published lists available at: <https://www.wildlife.ca.gov/Data/CNDDDB>

²⁵ A vegetation map that uses the Survey of California Vegetation (SCV) classification and highlights any special status natural communities. If another vegetation classification system is used, the report should reference the system, provide the reason for its use, and provide a crosswalk to the SCV. The current SCV classification is embodied in the Manual of California Vegetation Online (<http://vegetation.cnps.org/>).

- ◆ A discussion of how the timing of the surveys affects the comprehensiveness of the survey;
 - ◆ A list of potential special status species or natural communities;
 - ◆ A description of the area surveyed relative to the project area;
 - ◆ References cited, persons contacted, and herbaria visited;
 - ◆ Description of reference site(s), if visited, and phenological development of special status plant(s);
 - ◆ A list of all taxa occurring on the project site. Identify plants to the taxonomic level necessary to determine whether or not they are a special status species;
 - ◆ Any use of existing surveys and a discussion of applicability to this project;
 - ◆ A discussion of the potential for a false negative survey;
 - ◆ Provide detailed data and maps for all special plants detected. Information specified above under the headings “Special Status Plant or Natural Community Observations,” and “Field Survey Forms,” should be provided for locations of each special status plant detected;
 - ◆ Copies of all California Native Species Field Survey Forms or Natural Community Field Survey Forms should be sent to the CNDDDB and included in the environmental document as an Appendix. It is not necessary to submit entire environmental documents to the CNDDDB; and,
 - ◆ The location of voucher specimens, if collected.
- **Assessment of potential impacts**
 - ◆ A discussion of the significance of special status plant populations in the project area considering nearby populations and total species distribution;
 - ◆ A discussion of the significance of special status natural communities in the project area considering nearby occurrences and natural community distribution;
 - ◆ A discussion of direct, indirect, and cumulative impacts to the plants and natural communities;
 - ◆ A discussion of threats, including those from invasive species, to the plants and natural communities;
 - ◆ A discussion of the degree of impact, if any, of the proposed project on unoccupied, potential habitat of the species;
 - ◆ A discussion of the immediacy of potential impacts; and,
 - ◆ Recommended measures to avoid, minimize, or mitigate impacts.

QUALIFICATIONS

Botanical consultants should possess the following qualifications:

- Knowledge of plant taxonomy and natural community ecology;
- Familiarity with the plants of the area, including special status species;
- Familiarity with natural communities of the area, including special status natural communities;
- Experience conducting floristic field surveys or experience with floristic surveys conducted

under the direction of an experienced surveyor;

- Familiarity with the appropriate state and federal statutes related to plants and plant collecting; and,
- Experience with analyzing impacts of development on native plant species and natural communities.

SUGGESTED REFERENCES

- Barbour, M., T. Keeler-Wolf, and A. A. Schoenherr (eds.). 2007. Terrestrial vegetation of California (3rd Edition). University of California Press.
- Bonham, C.D. 1988. Measurements for terrestrial vegetation. John Wiley and Sons, Inc., New York, NY.
- California Native Plant Society. Most recent version. Inventory of rare and endangered plants (online edition). California Native Plant Society, Sacramento, CA. Online URL <http://www.cnps.org/inventory>.
- California Natural Diversity Database. Most recent version. Special vascular plants, bryophytes and lichens list. Updated quarterly. Available at www.dfg.ca.gov.
- Elzinga, C.L., D.W. Salzer, and J. Willoughby. 1998. Measuring and monitoring plant populations. BLM Technical Reference 1730-1. U.S. Dept. of the Interior, Bureau of Land Management, Denver, Colorado.
- Leppig, G. and J.W. White. 2006. Conservation of peripheral plant populations in California. *Madroño* 53:264-274.
- Mueller-Dombois, D. and H. Ellenberg. 1974. Aims and methods of vegetation ecology. John Wiley and Sons, Inc., New York, NY.
- U.S. Fish and Wildlife Service. 1996. Guidelines for conducting and reporting botanical inventories for federally listed plants on the Santa Rosa Plain. Sacramento, CA.
- U.S. Fish and Wildlife Service. 1996. Guidelines for conducting and reporting botanical inventories for federally listed, proposed and candidate plants. Sacramento, CA.
- Van der Maarel, E. 2005. Vegetation Ecology. Blackwell Science Ltd., Malden, MA.

Special Vascular Plants, Bryophytes, and Lichens List

The remainder of this document contains the CNDDDB's Special Vascular Plants, Bryophytes, and Lichens List current as of the date on the title page of this document. While the CNDDDB and CNPS strive to remain consistent in the taxa we track and the ranks assigned to those taxa, there can be discrepancies usually due to lag time between when a plant species undergoes review in CNPS and when it gets added to the CNDDDB. However, all species tracked by CNPS are also tracked by the CNDDDB.

For additional information on how CNDDDB determines what species to track on our Special Vascular Plants, Bryophytes, and Lichens List, please see the document "How Revisions Are Made to the Special Plants, Bryophytes, and Lichens List" on the [CNDDDB webpage](#).

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Bryophytes

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Anomobryum julaceum</i> slender silver moss	NBMUS80010	None	None	G5?/S2	4.2		No	Yes
<i>Bruchia bolanderi</i> Bolander's bruchia	NBMUS13010	None	None	G3G4/S3	4.2	USFS:S	No	Yes
<i>Bryum chryseum</i> brassy bryum	NBMUS1A430	None	None	G5/S3	4.3		No	No
<i>Buxbaumia viridis</i> buxbaumia moss	NBMUS1B040	None	None	G4G5/S1	2B.2	BLM:S USFS:S	No	Yes
<i>Campylopodia stenocarpa</i> flagella-like atractylocarpus	NBMUS84010	None	None	G5/S1?	2B.2		No	Yes
<i>Climacium dendroides</i> tree climacium moss	NBMUS1T020	None	None	G5/S1	2B.1		No	Yes
<i>Coscinodon arctolimnius</i> ssp. <i>higuchii</i> Higuchi's sieve-tooth moss	NBMUS96032	None	None	GUTU/S1S3	4.2		No	No
<i>Dacryophyllum falcifolium</i> tear drop moss	NBMUS8Z010	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Didymodon californicus</i> California beard-moss	NBMUS2C0N0	None	None	G2G3/S2S3	4.2		No	No
<i>Discelium nudum</i> naked flag moss	NBMUS2E010	None	None	G4G5/S1	2B.2		No	Yes
<i>Entosthodon kochii</i> Koch's cord moss	NBMUS2P050	None	None	G1/S1	1B.3		No	Yes
<i>Fissidens aphelotaxifolius</i> brook pocket moss	NBMUS2W290	None	None	G3G4/S1	2B.2	USFS:S	No	Yes
<i>Fissidens pauperculus</i> minute pocket moss	NBMUS2W0U0	None	None	G3?/S2	1B.2	USFS:S	No	Yes
<i>Geothallus tuberosus</i> Campbell's liverwort	NBHEP1C010	None	None	G1/S1	1B.1		No	Yes
<i>Grimmia torenii</i> Toren's grimmia	NBMUS32330	None	None	G2/S2	1B.3		No	Yes
<i>Grimmia vaginulata</i> vaginulate grimmia	NBMUS32340	None	None	G2G3/S1	1B.1		No	Yes
<i>Haplodontium tehamense</i> Lassen Peak copper moss	NBMUS4Q030	None	None	G2/S2	1B.3		No	Yes
<i>Helodium blandowii</i> Blandow's bog moss	NBMUS3C010	None	None	G4/S2	2B.3	USFS:S	No	Yes
<i>Jaffuelobryum raii</i> Rau's jaffuelobryum moss	NBMUS97010	None	None	G4?/S2?	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Jaffuelobryum wrightii</i> Wright's jaffuelobryum moss	NBMUS97020	None	None	G4G5/S2?	2B.3		No	Yes
<i>Meesia longiseta</i> long seta hump moss	NBMUS4L010	None	None	G5/S2	2B.3		No	Yes
<i>Meesia triquetra</i> three-ranked hump moss	NBMUS4L020	None	None	G5/S4	4.2		No	Yes
<i>Meesia uliginosa</i> broad-nerved hump moss	NBMUS4L030	None	None	G5/S3	2B.2	USFS:S	No	Yes
<i>Mielichhoferia elongata</i> elongate copper moss	NBMUS4Q022	None	None	G5/S4	4.3	USFS:S	No	Yes
<i>Mielichhoferia mielichhoferiana</i> Mielichhofer's copper moss	NBMUS4Q020	None	None	G4/S1	2B.3		No	Yes
<i>Mielichhoferia shevockii</i> Shevock's copper moss	NBMUSA1010	None	None	G2/S2	1B.2		No	Yes
<i>Myurella julacea</i> small mousetail moss	NBMUS4U010	None	None	G5/S2	2B.3		No	Yes
<i>Nardia hiroshii</i> Hiroshi's flapwort	NBHEP2A080	None	None	G5/S1	2B.3		No	Yes
<i>Orthotrichum holzingeri</i> Holzinger's orthotrichum moss	NBMUS560E0	None	None	G3/S2	1B.3		No	Yes
<i>Orthotrichum kellmanii</i> Kellman's bristle moss	NBMUS56190	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Orthotrichum spjutii</i> Spjut's bristle moss	NBMUS56160	None	None	G1/S1	1B.3		No	Yes
<i>Plagiobryoides vinosula</i> wine-colored tufa moss	NBMUS0Y090	None	None	G3G4/S2	4.2		No	No
<i>Pleuridium mexicanum</i> Mexican earthmoss	NBMUS5M080	None	None	G5/S1	2B.1		No	Yes
<i>Pohlia flexuosa</i> flexuose threadmoss	NBMUS5S1D0	None	None	G5/S1	2B.1		No	Yes
<i>Pohlia tundrae</i> tundra thread moss	NBMUS5S1B0	None	None	G3/S3	2B.3		No	Yes
<i>Ptilidium californicum</i> Pacific fuzzwort	NBHEP2U010	None	None	G4G5/S3S4	4.3	BLM:S	No	Yes
<i>Riella americana</i> American riella	NBHEP31020	None	None	G3?/S1	2B.2		No	Yes
<i>Scopelophila cataractae</i> tongue-leaf copper moss	NBMUS6U010	None	None	G3G4/S1	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Sphaerocarpos drewei</i> bottle liverwort	NBHEP35030	None	None	G1/S1	1B.1		No	Yes
<i>Tortella alpicola</i> alpine crisp-moss	NBMUS7K090	None	None	G5?/S1	2B.3		No	Yes
<i>Tortula californica</i> California screw moss	NBMUS7L090	None	None	G2G3/S2S3	1B.2	BLM:S	No	Yes
<i>Trichodon cylindricus</i> cylindrical trichodon	NBMUS7N020	None	None	G4/S2	2B.2		No	Yes
<i>Triquetrella californica</i> coastal triquetrella	NBMUS7S010	None	None	G2/S2	1B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Lichens

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Bryoria pseudocapillaris</i> false gray horsehair lichen	NLTEST5420	None	None	G3/S2	3.2		No	No
<i>Bryoria spiralifera</i> twisted horsehair lichen	NLTEST5460	None	None	G3/S1S2	1B.1		No	Yes
<i>Calicium adpersum</i> spiral-spored gilded-head pin lichen	NLT0005640	None	None	G3G4/S1?	2B.2	USFS:S	No	Yes
<i>Cladonia firma</i> popcorn lichen	NLT0008460	None	None	G4/S1	2B.1		No	Yes
<i>Graphis saxorum</i> Baja rock lichen	NLTES29470	None	None	G2?/S1	3		No	Yes
<i>Hypogymnia schizidiata</i> island tube lichen	NLT0032640	None	None	G1/S1	1B.3		No	Yes
<i>Mobergia calculiformis</i> light gray lichen	NLT0018660	None	None	G3/S1	3		No	Yes
<i>Peltigera gowardii</i> western waterfan lichen	NLVER00460	None	None	G3G4/S3	4.2	USFS:S	No	Yes
<i>Ramalina thrausta</i> angel's hair lichen	NLLEC3S340	None	None	G5/S2?	2B.1		No	Yes
<i>Solorina spongiosa</i> fringed chocolate chip lichen	NLT0028030	None	None	G4G5/S1	2B.2		No	Yes
<i>Sulcaria isidiifera</i> splitting yarn lichen	NLTEST0020	None	None	G1/S1	1B.1		No	Yes
<i>Texosporium sancti-jacobi</i> woven-spored lichen	NLTEST7980	None	None	G3/S1	3		No	Yes
<i>Thamnotia vermicularis</i> whiteworm lichen	NLTES43860	None	None	G3G5/S1	2B.1		No	Yes
<i>Usnea longissima</i> Methuselah's beard lichen	NLLEC5P420	None	None	G4/S4	4.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Vascular Plants

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Abies amabilis</i> Pacific silver fir	PGPIN01010	None	None	G5/S2	2B.3		No	Yes
<i>Abies bracteata</i> bristlecone fir	PGPIN01030	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Abies lasiocarpa</i> var. <i>lasiocarpa</i> subalpine fir	PGPIN01072	None	None	G5T5/S3	2B.3		No	Yes
<i>Abronia alpina</i> Ramshaw Meadows abronia	PDNYC01020	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Abronia maritima</i> red sand-verbena	PDNYC010E0	None	None	G4/S3?	4.2		Yes	No
<i>Abronia nana</i> var. <i>covillei</i> Coville's dwarf abronia	PDNYC010H1	None	None	G4T3/S3	4.2	USFS:S	Yes	No
<i>Abronia umbellata</i> var. <i>breviflora</i> pink sand-verbena	PDNYC010N4	None	None	G4G5T2/S1	1B.1	BLM:S	No	Yes
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	PDNYC010P1	None	None	G5T2T3/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Abutilon abutiloides</i> shrubby Indian mallow	PDMAL02010	None	None	G5/S1	2B.1		No	Yes
<i>Abutilon parvulum</i> dwarf abutilon	PDMAL020F0	None	None	G5/S2S3	2B.3		No	Yes
<i>Acanthomintha duttonii</i> San Mateo thorn-mint	PDLAM01040	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Acanthomintha ilicifolia</i> San Diego thorn-mint	PDLAM01010	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Acanthomintha lanceolata</i> Santa Clara thorn-mint	PDLAM01020	None	None	G4/S4	4.2		Yes	No
<i>Acanthomintha obovata</i> ssp. <i>cordata</i> heart-leaved thorn-mint	PDLAM01033	None	None	G4T3/S3	4.2		Yes	No
<i>Acanthomintha obovata</i> ssp. <i>obovata</i> San Benito thorn-mint	PDLAM01032	None	None	G4T3T4/S3S4	4.2		No	No
<i>Acanthoscyphus parishii</i> var. <i>abramsii</i> Abrams' oxytheca	PDPGN0J041	None	None	G4? T1T2/S1S2	1B.2	USFS:S	No	Yes
<i>Acanthoscyphus parishii</i> var. <i>cienegensis</i> Cienega Seca oxytheca	PDPGN0J042	None	None	G4?T2/S2	1B.3	USFS:S	No	Yes
<i>Acanthoscyphus parishii</i> var. <i>goodmaniana</i> Cushenbury oxytheca	PDPGN0J043	Endangered	None	G4?T1/S1	1B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Acanthoscyphus parishii</i> var. <i>parishii</i> Parish's oxytheca	PDPGN0J044	None	None	G4? T3T4/S3S4	4.2		No	No
<i>Acleisanthes longiflora</i> angel trumpets	PDNYC02040	None	None	G5/S1	2B.3		No	Yes
<i>Acleisanthes nevadensis</i> desert wing-fruit	PDNYC0F040	None	None	G4?/S1	2B.1		No	Yes
<i>Acmispon argophyllus</i> var. <i>adsurgens</i> San Clemente Island bird's-foot trefoil	PDFAB2A041	None	Endangered	G5T2/S2	1B.1		Yes	Yes
<i>Acmispon argophyllus</i> var. <i>niveus</i> Santa Cruz Island bird's-foot trefoil	PDFAB2A048	None	Endangered	G5T3/S3	4.3		Yes	Yes
<i>Acmispon argyraeus</i> var. <i>multicaulis</i> scrub lotus	PDFAB2A052	None	None	G4?T2/S2	1B.3	BLM:S	Yes	Yes
<i>Acmispon argyraeus</i> var. <i>notitius</i> Providence Mountains lotus	PDFAB2A053	None	None	G4?T2/S2	1B.3		No	Yes
<i>Acmispon dendroideus</i> var. <i>dendroideus</i> island broom	PDFAB2A1G1	None	None	G4T3/S3	4.2		Yes	No
<i>Acmispon dendroideus</i> var. <i>traskiae</i> San Clemente Island lotus	PDFAB2A1G2	Threatened	Endangered	G4T3/S3	1B.3		Yes	Yes
<i>Acmispon dendroideus</i> var. <i>veatchii</i> San Miguel Island deerweed	PDFAB2A1G3	None	None	G4T3/S3	4.3		Yes	No
<i>Acmispon haydonii</i> pygmy lotus	PDFAB2A0H0	None	None	G3/S3	1B.3		Yes	Yes
<i>Acmispon prostratus</i> Nuttall's acmispon	PDFAB2A0V0	None	None	G1G2/S1	1B.1		Yes	Yes
<i>Acmispon rubriflorus</i> red-flowered bird's-foot-trefoil	PDFAB2A150	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Adiantum shastense</i> Shasta maidenhair fern	PPADI030W0	None	None	G3/S3	4.3		No	No
<i>Adolphia californica</i> California adolphia	PDRHA01010	None	None	G3/S2	2B.1		Yes	Yes
<i>Agave shawii</i> var. <i>shawii</i> Shaw's agave	PMAGA010P1	None	None	G2G3T2/S1	2B.1		No	Yes
<i>Agave utahensis</i> var. <i>eborispina</i> ivory-spined agave	PMAGA010S1	None	None	G4T3T4/S2	1B.3	BLM:S	Yes	Yes
<i>Agave utahensis</i> var. <i>nevadensis</i> Clark Mountain agave	PMAGA010S3	None	None	G4T4?/S3	4.2		No	No
<i>Ageratina herbacea</i> desert ageratina	PDASTBX0J0	None	None	G5/S2S3	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ageratina shastensis</i> Shasta ageratina	PDASTBX0R0	None	None	G3/S3	1B.2		No	Yes
<i>Agrostis blasdalei</i> Blasdale's bent grass	PMPOA04060	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Agrostis hendersonii</i> Henderson's bent grass	PMPOA040K0	None	None	G2Q/S2	3.2		No	Yes
<i>Agrostis hooveri</i> Hoover's bent grass	PMPOA040M0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Agrostis humilis</i> mountain bent grass	PMPOA040P0	None	None	G4Q/S2	2B.3		No	Yes
<i>Agrostis lacuna-vernalis</i> vernal pool bent grass	PMPOA041N0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Aliciella ripleyi</i> Ripley's aliciella	PDPLM041E0	None	None	G3/S2	2B.3		No	Yes
<i>Aliciella triodon</i> coyote gilia	PDPLM041T0	None	None	G5/S2	2B.2		No	Yes
<i>Alisma gramineum</i> grass alisma	PMALI01010	None	None	G5/S3	2B.2		No	Yes
<i>Allium abramsii</i> Abrams' onion	PMLIL02360	None	None	G3/S3	1B.2		No	Yes
<i>Allium atrorubens</i> var. <i>atorubens</i> Great Basin onion	PMLIL02061	None	None	G4T4/S2	2B.3		No	Yes
<i>Allium atrorubens</i> var. <i>cristatum</i> Inyo onion	PMLIL02063	None	None	G4T4/S4	4.3		No	No
<i>Allium fimbriatum</i> var. <i>purdyi</i> Purdy's onion	PMLIL020Y7	None	None	G4G5T3/S3	4.3		No	No
<i>Allium hickmanii</i> Hickman's onion	PMLIL02140	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Allium hoffmanii</i> Beegum onion	PMLIL02150	None	None	G4/S4	4.3		No	No
<i>Allium howellii</i> var. <i>clokeyi</i> Mt. Pinos onion	PMLIL02161	None	None	G4T2/S2	1B.3	USFS:S	Yes	Yes
<i>Allium howellii</i> var. <i>howellii</i> Howell's onion	PMLIL02162	None	None	G3G4T3/S3	4.3		No	No
<i>Allium howellii</i> var. <i>sanbenitense</i> San Benito onion	PMLIL02163	None	None	G3G4T3/S3	1B.3		No	Yes
<i>Allium jepsonii</i> Jepson's onion	PMLIL022V0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Allium marvinii</i> Yucaipa onion	PMLIL02330	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Allium munzii</i> Munz's onion	PMLIL022Z0	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Allium nevadense</i> Nevada onion	PMLIL021J0	None	None	G4/S3	2B.3		No	Yes
<i>Allium parishii</i> Parish's onion	PMLIL021N0	None	None	G3/S3	4.3		No	No
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	PMLIL021R1	None	None	G5T1/S1	1B.2		No	Yes
<i>Allium punctum</i> dotted onion	PMLIL021Y0	None	None	G3/S1	2B.2		No	Yes
<i>Allium sanbornii</i> var. <i>congdonii</i> Congdon's onion	PMLIL02211	None	None	G4T3/S3	4.3		No	No
<i>Allium sanbornii</i> var. <i>sanbornii</i> Sanborn's onion	PMLIL02212	None	None	G4T3T4/S3S4	4.2		No	No
<i>Allium sharsmithiae</i> Sharsmith's onion	PMLIL02310	None	None	G2/S2	1B.3		No	Yes
<i>Allium shevockii</i> Spanish Needle onion	PMLIL022M0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Allium siskiyouense</i> Siskiyou onion	PMLIL02280	None	None	G4/S4	4.3		No	No
<i>Allium tribracteatum</i> three-bracted onion	PMLIL022D0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Allium tuolumnense</i> Rawhide Hill onion	PMLIL022W0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Allium yosemitense</i> Yosemite onion	PMLIL022L0	None	Rare	G3/S3	1B.3	USFS:S	No	Yes
<i>Almutaster pauciflorus</i> alkali marsh aster	PDASTEL010	None	None	G4/S1S2	2B.2		No	Yes
<i>Alopecurus aequalis</i> var. <i>sonomensis</i> Sonoma alopecurus	PMPOA07012	Endangered	None	G5T1/S1	1B.1		Yes	Yes
<i>Aloysia wrightii</i> Wright's beebrush	PDVER02040	None	None	G5/S4	4.3		No	No
<i>Amaranthus watsonii</i> Watson's amaranth	PDAMA04170	None	None	G5?/S3	4.3		No	No
<i>Ambrosia chenopodiifolia</i> San Diego bur-sage	PDAST0C080	None	None	G2G3/S1	2B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ambrosia monogyra</i> singlewhorl burrobrush	PDAST50010	None	None	G5/S2	2B.2		No	Yes
<i>Ambrosia pumila</i> San Diego ambrosia	PDAST0C0M0	Endangered	None	G1/S1	1B.1		No	Yes
<i>Amorpha californica</i> var. <i>napensis</i> Napa false indigo	PDFAB08012	None	None	G4T2/S2	1B.2		Yes	Yes
<i>Amsinckia douglasiana</i> Douglas' fiddleneck	PDBOR01010	None	None	G4/S4	4.2		No	No
<i>Amsinckia furcata</i> forked fiddleneck	PDBOR010D1	None	None	G4/S4	4.2		Yes	No
<i>Amsinckia grandiflora</i> large-flowered fiddleneck	PDBOR01050	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	PDBOR01070	None	None	G2G3/S2S3	1B.2	BLM:S	No	Yes
<i>Ancistrocarphus keilii</i> Santa Ynez groundstar	PDASTD5020	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Androsace elongata</i> ssp. <i>acuta</i> California androsace	PDPRI02031	None	None	G5? T3T4/S3S4	4.2		Yes	No
<i>Androsace filiformis</i> slender-stemmed androsace	PDPRI02040	None	None	G3G4/S1	2B.3		No	Yes
<i>Androstephium breviflorum</i> small-flowered androstephium	PMLIL06010	None	None	G4/S2	2B.2		No	Yes
<i>Anemone multifida</i> var. <i>multifida</i> cut-leaf anemone	PDRAN040E6	None	None	G5T5/S1S2	2B.2		No	No
<i>Angelica callii</i> Call's angelica	PDAP107060	None	None	G3/S3	4.3		No	No
<i>Angelica kingii</i> King's angelica	PDAP1070D0	None	None	G4/S3	4.2		No	No
<i>Angelica lucida</i> sea-watch	PDAP1070G0	None	None	G5/S3	4.2		Yes	No
<i>Anisocarpus scabridus</i> scabrid alpine tarplant	PDASTDU020	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Antennaria flagellaris</i> stoloniferous pussy-toes	PDAST0H0W0	None	None	G4/S3	4.2		No	Yes
<i>Antennaria marginata</i> white-margined everlasting	PDAST0H1G0	None	None	G4G5/S1	2B.3	USFS:S	No	Yes
<i>Antennaria pulchella</i> beautiful pussy-toes	PDAST0H1H0	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Antennaria sawyeri</i> Sawyer's pussy-toes	PDAST0H1S0	None	None	G1/S1	1B.2		No	Yes
<i>Antennaria suffrutescens</i> evergreen everlasting	PDAST0H0S0	None	None	G4/S4?	4.3		No	No
<i>Anthoxanthum nitens ssp. nitens</i> vanilla-grass	PMPOA0F041	None	None	G5/S2	2B.3		No	Yes
<i>Antirrhinum ovatum</i> oval-leaved snapdragon	PDSCR2K010	None	None	G3/S3	4.2		No	Yes
<i>Antirrhinum subcordatum</i> dimorphic snapdragon	PDSCR2S070	None	None	G3/S3	4.3	USFS:S	No	Yes
<i>Antirrhinum virga</i> twig-like snapdragon	PDSCR2S090	None	None	G3?/S3?	4.3		No	No
<i>Aphanisma blitoides</i> aphanisma	PDCHE02010	None	None	G3G4/S2	1B.2		No	Yes
<i>Arabis aculeolata</i> Waldo rockcress	PDBRA06010	None	None	G4/S2	2B.2		Yes	Yes
<i>Arabis blepharophylla</i> coast rockcress	PDBRA06040	None	None	G4/S4	4.3		No	No
<i>Arabis mcdonaldiana</i> McDonald's rockcress	PDBRA06150	Endangered	Endangered	G3/S3	1B.1		Yes	Yes
<i>Arabis modesta</i> modest rockcress	PDBRA06180	None	None	G3/S3	4.3		No	No
<i>Arabis oregana</i> Oregon rockcress	PDBRA061A0	None	None	G3G4Q/S3	4.3		No	No
<i>Arabis repanda var. greenei</i> Greene's rockcress	PDBRA061Q1	None	None	G5T3Q/S3	3.3		No	No
<i>Arabis rigidissima var. demota</i> Galena Creek rockcress	PDBRA061R1	None	None	G3T3Q/S1	1B.2	USFS:S	No	Yes
<i>Arabis rigidissima var. rigidissima</i> Trinity Mountains rockcress	PDBRA061R2	None	None	G3T3/S3	1B.3		No	Yes
<i>Arctomecon merriamii</i> white bear poppy	PDPAP02030	None	None	G3/S3	2B.2		Yes	Yes
<i>Arctostaphylos andersonii</i> Anderson's manzanita	PDERI04030	None	None	G2/S2	1B.2		Yes	Yes
<i>Arctostaphylos auriculata</i> Mt. Diablo manzanita	PDERI04040	None	None	G2/S2	1B.3		No	Yes
<i>Arctostaphylos bakeri ssp. bakeri</i> Baker's manzanita	PDERI04221	None	Rare	G2T1/S1	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Arctostaphylos bakeri</i> ssp. <i>sublaevis</i> The Cedars manzanita	PDERI04222	None	Rare	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos catalinae</i> Santa Catalina Island manzanita	PDERI04070	None	None	G2?/S2?	1B.2		Yes	Yes
<i>Arctostaphylos confertiflora</i> Santa Rosa Island manzanita	PDERI040A0	Endangered	None	G2/S2	1B.2		Yes	Yes
<i>Arctostaphylos crustacea</i> ssp. <i>eastwoodiana</i> Eastwood's brittle-leaf manzanita	PDERI041H4	None	None	G4T2/S2	1B.1		No	Yes
<i>Arctostaphylos crustacea</i> ssp. <i>insulicola</i> island manzanita	PDERI041H5	None	None	G4T3/S3	4.2		No	No
<i>Arctostaphylos crustacea</i> ssp. <i>subcordata</i> Santa Cruz Island manzanita	PDERI041H7	None	None	G4T3/S3	4.2		No	No
<i>Arctostaphylos cruzensis</i> Arroyo de la Cruz manzanita	PDERI040B0	None	None	G1G2/S1S2	1B.2	BLM:S USFS:S	No	Yes
<i>Arctostaphylos densiflora</i> Vine Hill manzanita	PDERI040C0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos edmundsii</i> Little Sur manzanita	PDERI04260	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Arctostaphylos franciscana</i> Franciscan manzanita	PDERI040J3	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Arctostaphylos gabilanensis</i> Gabilan Mountains manzanita	PDERI042X0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> Del Mar manzanita	PDERI040E8	Endangered	None	G5T2/S2	1B.1		No	Yes
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i> San Gabriel manzanita	PDERI042P0	None	None	G5T3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Arctostaphylos glutinosa</i> Schreiber's manzanita	PDERI040G0	None	None	G1/S1	1B.2		Yes	Yes
<i>Arctostaphylos hispidula</i> Howell's manzanita	PDERI04230	None	None	G4/S3	4.2		No	No
<i>Arctostaphylos hookeri</i> ssp. <i>hearstiorum</i> Hearsts' manzanita	PDERI040J4	None	Endangered	G3T2/S2	1B.2		No	Yes
<i>Arctostaphylos hookeri</i> ssp. <i>hookeri</i> Hooker's manzanita	PDERI040J1	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos hooveri</i> Hoover's manzanita	PDERI040K0	None	None	G3/S3	4.3	USFS:S	Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Arctostaphylos imbricata</i> San Bruno Mountain manzanita	PDERI040L0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos klamathensis</i> Klamath manzanita	PDERI041R0	None	None	G3?/S3?	1B.2	BLM:S	Yes	Yes
<i>Arctostaphylos luciana</i> Santa Lucia manzanita	PDERI040N0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Arctostaphylos malloryi</i> Mallory's manzanita	PDERI042V0	None	None	G3/S3	4.3		No	No
<i>Arctostaphylos manzanita ssp. elegans</i> Konocti manzanita	PDERI04271	None	None	G5T3/S3	1B.3		No	Yes
<i>Arctostaphylos manzanita ssp. laevigata</i> Contra Costa manzanita	PDERI04273	None	None	G5T2/S2	1B.2		No	Yes
<i>Arctostaphylos mewukka ssp. truei</i> True's manzanita	PDERI040Q2	None	None	G4?T3/S3	4.2		No	No
<i>Arctostaphylos montana ssp. montana</i> Mt. Tamalpais manzanita	PDERI040J5	None	None	G3T3/S3	1B.3		No	Yes
<i>Arctostaphylos montana ssp. ravenii</i> Presidio manzanita	PDERI040J2	Endangered	Endangered	G3T1/S1	1B.1		No	Yes
<i>Arctostaphylos montaraensis</i> Montara manzanita	PDERI042W0	None	None	G1/S1	1B.2		Yes	Yes
<i>Arctostaphylos montereyensis</i> Toro manzanita	PDERI040R0	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Arctostaphylos morroensis</i> Morro manzanita	PDERI040S0	Threatened	None	G1/S1	1B.1		No	Yes
<i>Arctostaphylos myrtifolia</i> Ione manzanita	PDERI04240	Threatened	None	G1G2/S1S2	1B.2		No	Yes
<i>Arctostaphylos nissenana</i> Nissenan manzanita	PDERI040V0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Arctostaphylos nortensis</i> Del Norte manzanita	PDERI04092	None	None	G2/S2	4.3		No	No
<i>Arctostaphylos nummularia ssp. mendocinoensis</i> pygmy manzanita	PDERI04280	None	None	G3?T1/S1	1B.2		No	Yes
<i>Arctostaphylos obispoensis</i> Bishop manzanita	PDERI040X0	None	None	G3/S3	4.3	USFS:S	No	No
<i>Arctostaphylos ohloneana</i> Ohlone manzanita	PDERI042Y0	None	None	G1/S1	1B.1		Yes	Yes
<i>Arctostaphylos osoensis</i> Oso manzanita	PDERI042S0	None	None	G1/S1	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Arctostaphylos otayensis</i> Otay manzanita	PDERI040Y0	None	None	G1/S1	1B.2	BLM:S	Yes	Yes
<i>Arctostaphylos pacifica</i> Pacific manzanita	PDERI040Z0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos pajaroensis</i> Pajaro manzanita	PDERI04100	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Arctostaphylos pallida</i> pallid manzanita	PDERI04110	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Arctostaphylos parryana</i> ssp. <i>tumescens</i> interior manzanita	PDERI042A1	None	None	G4T3T4/S3S4	4.3	USFS:S	No	No
<i>Arctostaphylos pechoensis</i> Pecho manzanita	PDERI04140	None	None	G2/S2	1B.2		No	Yes
<i>Arctostaphylos pilosula</i> Santa Margarita manzanita	PDERI042Z0	None	None	G2?/S2?	1B.2	BLM:S USFS:S	Yes	Yes
<i>Arctostaphylos pumila</i> sandmat manzanita	PDERI04180	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Arctostaphylos purissima</i> La Purisima manzanita	PDERI041A0	None	None	G2/S2	1B.1		Yes	Yes
<i>Arctostaphylos rainbowensis</i> Rainbow manzanita	PDERI042T0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Arctostaphylos refugioensis</i> Refugio manzanita	PDERI041B0	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Arctostaphylos regismontana</i> Kings Mountain manzanita	PDERI041C0	None	None	G2/S2	1B.2		No	Yes
<i>Arctostaphylos rudis</i> sand mesa manzanita	PDERI041E0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Arctostaphylos silvicola</i> Bonny Doon manzanita	PDERI041F0	None	None	G1/S1	1B.2		No	Yes
<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i> Rincon Ridge manzanita	PDERI041G4	None	None	G3T1/S1	1B.1		No	Yes
<i>Arctostaphylos stanfordiana</i> ssp. <i>raichei</i> Raiche's manzanita	PDERI041G2	None	None	G3T2/S2	1B.1		Yes	Yes
<i>Arctostaphylos tomentosa</i> ssp. <i>daciticola</i> dacite manzanita	PDERI041HD	None	None	G4T1/S1	1B.1		No	Yes
<i>Arctostaphylos virgata</i> Marin manzanita	PDERI041K0	None	None	G2/S2	1B.2		Yes	Yes
<i>Arctostaphylos viridissima</i> white-haired manzanita	PDERI041L0	None	None	G4/S4	4.2		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Arenaria lanuginosa</i> var. <i>saxosa</i> rock sandwort	PDCAR040E4	None	None	G5T5/S2	2B.3	USFS:S	Yes	Yes
<i>Arenaria paludicola</i> marsh sandwort	PDCAR040L0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Argyrochosma limitanea</i> ssp. <i>limitanea</i> southwestern false cloak-fern	PPADI0N051	None	None	G4G5T3T4/S1	2B.1		No	Yes
<i>Aristocapsa insignis</i> Indian Valley spineflower	PDPGN0U010	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Arnica cernua</i> serpentine arnica	PDAST0Q040	None	None	G5/S4	4.3		No	No
<i>Arnica fulgens</i> hillside arnica	PDAST0Q090	None	None	G5/S3	2B.2		No	Yes
<i>Arnica spathulata</i> Klamath arnica	PDAST0Q0M0	None	None	G3?/S3	4.3		No	No
<i>Arnica venosa</i> Shasta County arnica	PDAST0Q0Q0	None	None	G3/S3	4.2		No	No
<i>Arnica viscosa</i> Mt. Shasta arnica	PDAST0Q0R0	None	None	G4/S3	4.3		No	No
<i>Artemisia nesiotica</i> island sagebrush	PDAST0S120	None	None	G3/S3	4.3		No	No
<i>Artemisia palmeri</i> San Diego sagewort	PDAST0S160	None	None	G3?/S3?	4.2		No	Yes
<i>Artemisia tripartita</i> ssp. <i>tripartita</i> threetip sagebrush	PDAST0S1S2	None	None	G5T4T5/S2	2B.3		No	Yes
<i>Asarum marmoratum</i> marbled wild-ginger	PDARI02070	None	None	G4?/S2	2B.3		No	Yes
<i>Asclepias asperula</i> ssp. <i>asperula</i> antelope-horns	PDASC02051	None	None	G5T5/S3	4.3		No	No
<i>Asclepias nyctaginifolia</i> Mojave milkweed	PDASC02190	None	None	G4G5/S2	2B.1		No	Yes
<i>Asclepias solanoana</i> serpentine milkweed	PDASC021R0	None	None	G3/S3	4.2		Yes	No
<i>Aspidotis carlotta-halliae</i> Carlotta Hall's lace fern	PPADI07020	None	None	G3/S3	4.2		No	No
<i>Asplenium septentrionale</i> northern spleenwort	PPASP021F0	None	None	G4G5/S3	2B.3		No	Yes
<i>Asplenium trichomanes</i> ssp. <i>trichomanes</i> maidenhair spleenwort	PPASP021K2	None	None	G5T5/S1	2B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Asplenium vesperinum</i> western spleenwort	PPASP021P0	None	None	G4/S4	4.2		No	No
<i>Asplenium viride</i> green spleenwort	PPASP02250	None	None	G5?/S1	2B.3		No	Yes
<i>Astragalus agnicidus</i> Humboldt milk-vetch	PDFAB0F080	None	Endangered	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Astragalus agrestis</i> field milk-vetch	PDFAB0F090	None	None	G5/S2	2B.2	BLM:S	No	Yes
<i>Astragalus albens</i> Cushenbury milk-vetch	PDFAB0F0A0	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Astragalus allochrous</i> var. <i>playanus</i> playa milk-vetch	PDFAB0F0C1	None	None	G4T4/S2	2B.2		No	Yes
<i>Astragalus anxius</i> Ash Valley milk-vetch	PDFAB0FB0D0	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Astragalus argophyllus</i> var. <i>argophyllus</i> silver-leaved milk-vetch	PDFAB0F0S1	None	None	G5T4/S2	2B.2	BLM:S	No	Yes
<i>Astragalus atratus</i> var. <i>mensanus</i> Darwin Mesa milk-vetch	PDFAB0F0Z3	None	None	G4G5T2/S2	1B.1	BLM:S	No	Yes
<i>Astragalus austiniae</i> Austin's astragalus	PDFAB0F120	None	None	G2G3/S2S3	1B.3		No	Yes
<i>Astragalus bernardinus</i> San Bernardino milk-vetch	PDFAB0F190	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus bicristatus</i> crested milk-vetch	PDFAB0F1A0	None	None	G3/S3	4.3	USFS:S	No	No
<i>Astragalus brauntonii</i> Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Astragalus breweri</i> Brewer's milk-vetch	PDFAB0F1J0	None	None	G3/S3	4.2		No	No
<i>Astragalus cimae</i> var. <i>cimae</i> Cima milk-vetch	PDFAB0F231	None	None	G3T3/S2?	1B.2		Yes	Yes
<i>Astragalus cimae</i> var. <i>sufflatus</i> inflated Cima milk-vetch	PDFAB0F232	None	None	G3T3/S3	1B.3	USFS:S	No	Yes
<i>Astragalus claranus</i> Clara Hunt's milk-vetch	PDFAB0F240	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Astragalus clevelandii</i> Cleveland's milk-vetch	PDFAB0F250	None	None	G4/S4	4.3		No	No
<i>Astragalus crotalariae</i> Salton milk-vetch	PDFAB0F2K0	None	None	G4G5/S4	4.3		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Astragalus deanei</i> Dean's milk-vetch	PDFAB0F2R0	None	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Astragalus didymocarpus</i> var. <i>milesianus</i> Miles' milk-vetch	PDFAB0F2X3	None	None	G5T2/S2	1B.2		No	Yes
<i>Astragalus douglasii</i> var. <i>perstrictus</i> Jacumba milk-vetch	PDFAB0F303	None	None	G5T3?/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus ertterae</i> Walker Pass milk-vetch	PDFAB0FB30	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Astragalus funereus</i> black milk-vetch	PDFAB0F3K0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Astragalus geyeri</i> var. <i>geyeri</i> Geyer's milk-vetch	PDFAB0F3M1	None	None	G4T4/S2	2B.2		No	Yes
<i>Astragalus gilmanii</i> Gilman's milk-vetch	PDFAB0F3R0	None	None	G2/S2	1B.2		No	Yes
<i>Astragalus hornii</i> var. <i>hornii</i> Horn's milk-vetch	PDFAB0F421	None	None	G4G5T1T2/S1	1B.1	BLM:S	No	Yes
<i>Astragalus insularis</i> var. <i>harwoodii</i> Harwood's milk-vetch	PDFAB0F491	None	None	G5T4/S2	2B.2		Yes	Yes
<i>Astragalus inversus</i> Susanville milk-vetch	PDFAB0F4A0	None	None	G4/S4	4.3		No	No
<i>Astragalus inyoensis</i> Inyo milk-vetch	PDFAB0F4B0	None	None	G3/S3	4.2		Yes	No
<i>Astragalus iodanthus</i> var. <i>diaphanoides</i> snake milk-vetch	PDFAB0F4C3	None	None	G4T4/S3	4.3		No	No
<i>Astragalus jaegerianus</i> Lane Mountain milk-vetch	PDFAB0F4F0	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Astragalus johannis-howellii</i> Long Valley milk-vetch	PDFAB0F4H0	None	Rare	G2/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus kentrophyta</i> var. <i>danaus</i> Sweetwater Mountains milk-vetch	PDFAB0F4J2	None	None	G5T4/S4	4.3		No	No
<i>Astragalus kentrophyta</i> var. <i>elatus</i> spiny-leaved milk-vetch	PDFAB0F4J4	None	None	G5T4/S2	2B.2		No	Yes
<i>Astragalus kentrophyta</i> var. <i>ungulatus</i> spiny milk-vetch	PDFAB0F4JB	None	None	G5T3T4/S1	2B.2		No	Yes
<i>Astragalus lemmonii</i> Lemmon's milk-vetch	PDFAB0F4N0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus lentiformis</i> lens-pod milk-vetch	PDFAB0F4P0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Astragalus lentiginosus</i> var. <i>antonius</i> San Antonio milk-vetch	PDFAB0FB92	None	None	G5T2/S2	1B.3	USFS:S	Yes	Yes
<i>Astragalus lentiginosus</i> var. <i>borreganus</i> Borrego milk-vetch	PDFAB0FB95	None	None	G5T5?/S4	4.3		Yes	No
<i>Astragalus lentiginosus</i> var. <i>coachellae</i> Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	G5T1/S1	1B.2		Yes	Yes
<i>Astragalus lentiginosus</i> var. <i>kernensis</i> Kern Plateau milk-vetch	PDFAB0FB98	None	None	G5T2?/S2	1B.2	USFS:S	No	Yes
<i>Astragalus lentiginosus</i> var. <i>micans</i> shining milk-vetch	PDFAB0FB9C	None	None	G5T1/S1	1B.2		Yes	Yes
<i>Astragalus lentiginosus</i> var. <i>piscinensis</i> Fish Slough milk-vetch	PDFAB0FB9E	Threatened	None	G5T1/S1	1B.1		Yes	Yes
<i>Astragalus lentiginosus</i> var. <i>sesquimetalis</i> Sodaville milk-vetch	PDFAB0FB9K	None	Endangered	G5T1/S1	1B.1		No	Yes
<i>Astragalus lentiginosus</i> var. <i>sierrae</i> Big Bear Valley milk-vetch	PDFAB0FB9L	None	None	G5T2/S2	1B.2	USFS:S	Yes	Yes
<i>Astragalus leucolobus</i> Big Bear Valley woollypod	PDFAB0F4T0	None	None	G2/S2	1B.2		Yes	Yes
<i>Astragalus macrodon</i> Salinas milk-vetch	PDFAB0F520	None	None	G4/S4	4.3		No	No
<i>Astragalus magdalenae</i> var. <i>peirsonii</i> Peirson's milk-vetch	PDFAB0F532	Threatened	Endangered	G3G4T2/S1	1B.2		Yes	Yes
<i>Astragalus miguelensis</i> San Miguel Island milk-vetch	PDFAB0F5C0	None	None	G4/S4	4.3		Yes	No
<i>Astragalus mohavensis</i> var. <i>hemigyryus</i> curved-pod milk-vetch	PDFAB0F5J1	None	None	G3G4T2T3/S1	1B.1	BLM:S	No	Yes
<i>Astragalus monoensis</i> Mono milk-vetch	PDFAB0F5N0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Astragalus nevinii</i> San Clemente Island milk-vetch	PDFAB0F5X0	None	None	G3/S3	1B.2		Yes	Yes
<i>Astragalus nutans</i> Providence Mountains milk-vetch	PDFAB0F620	None	None	G3/S3	4.3		No	No
<i>Astragalus nuttallii</i> var. <i>nuttallii</i> ocean bluff milk-vetch	PDFAB0F641	None	None	G4T4/S4	4.2		No	No
<i>Astragalus nyensis</i> Nye milk-vetch	PDFAB0F660	None	None	G3?/S1	1B.1	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Astragalus oocarpus</i> San Diego milk-vetch	PDFAB0F6B0	None	None	G2?/S2?	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus oophorus</i> var. <i>lavinii</i> Lavin's milk-vetch	PDFAB0F6C4	None	None	G4T2/S1	1B.2	BLM:S	No	Yes
<i>Astragalus oophorus</i> var. <i>oophorus</i> egg milk-vetch	PDFAB0F6C6	None	None	G4T4?/S3S4	4.3		No	No
<i>Astragalus pachypus</i> var. <i>jaegeri</i> Jaeger's milk-vetch	PDFAB0F6G1	None	None	G4T2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Astragalus pauperculus</i> depauperate milk-vetch	PDFAB0F6N0	None	None	G4/S4	4.3		No	No
<i>Astragalus platytropis</i> broad-keeled milk-vetch	PDFAB0F6X0	None	None	G5/S3	2B.2		No	Yes
<i>Astragalus preussii</i> var. <i>laxiflorus</i> Lancaster milk-vetch	PDFAB0F721	None	None	G4T2/S1	1B.1		No	Yes
<i>Astragalus preussii</i> var. <i>preussii</i> Preuss' milk-vetch	PDFAB0F722	None	None	G4T4/S1	2B.1		No	Yes
<i>Astragalus pseudiodanthus</i> Tonopah milk-vetch	PDFAB0F750	None	None	G2Q/S2	1B.2	BLM:S	No	Yes
<i>Astragalus pulsiferae</i> var. <i>coronensis</i> Modoc Plateau milk-vetch	PDFAB0F784	None	None	G4T3/S3	4.2	USFS:S	No	No
<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i> Pulsifer's milk-vetch	PDFAB0F783	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus pulsiferae</i> var. <i>suksdorfii</i> Suksdorf's milk-vetch	PDFAB0F782	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> Ventura Marsh milk-vetch	PDFAB0F7B1	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i> coastal marsh milk-vetch	PDFAB0F7B2	None	None	G2T2/S2	1B.2	BLM:S	Yes	Yes
<i>Astragalus rattanii</i> var. <i>jepsonianus</i> Jepson's milk-vetch	PDFAB0F7E1	None	None	G4T3/S3	1B.2	BLM:S	No	Yes
<i>Astragalus rattanii</i> var. <i>rattanii</i> Rattan's milk-vetch	PDFAB0F7E2	None	None	G4T4/S4	4.3		No	No
<i>Astragalus ravenii</i> Raven's milk-vetch	PDFAB0F7F0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Astragalus sabulonum</i> gravel milk-vetch	PDFAB0F7R0	None	None	G4G5/S2	2B.2		No	Yes
<i>Astragalus serenoii</i> var. <i>shockleyi</i> Shockley's milk-vetch	PDFAB0F802	None	None	G4T3/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Astragalus shevockii</i> Shevock's milk-vetch	PDFAB0F850	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Astragalus subvestitus</i> Kern County milk-vetch	PDFAB0F8M0	None	None	G3/S3	4.3		No	No
<i>Astragalus tener</i> var. <i>ferrisiae</i> Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1/S1	1B.1	BLM:S	No	Yes
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T2/S2	1B.2		No	Yes
<i>Astragalus tener</i> var. <i>titi</i> coastal dunes milk-vetch	PDFAB0F8R2	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Astragalus tidesstromii</i> Tidestrom's milk-vetch	PDFAB0F8X0	None	None	G3/S2	2B.2	USFS:S	Yes	Yes
<i>Astragalus traskiae</i> Trask's milk-vetch	PDFAB0F910	None	Rare	G3/S3	1B.2		No	Yes
<i>Astragalus tricarinatus</i> triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	G2/S2	1B.2		Yes	Yes
<i>Astragalus umbraticus</i> Bald Mountain milk-vetch	PDFAB0F990	None	None	G4/S2	2B.3		No	Yes
<i>Astragalus webberi</i> Webber's milk-vetch	PDFAB0F9J0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Astragalus whitneyi</i> var. <i>lenophyllus</i> woolly-leaved milk-vetch	PDFAB0F9L6	None	None	G5T4/S4	4.3		No	No
<i>Astrolepis cochisensis</i> ssp. <i>cochisensis</i> scaly cloak fern	PPADI0P013	None	None	G5?T4/S2	2B.3		Yes	Yes
<i>Atriplex argentea</i> var. <i>hillmanii</i> Hillman's silverscale	PDCHE04055	None	None	G5T4/S2	2B.2		No	Yes
<i>Atriplex argentea</i> var. <i>longitrichoma</i> Pahrump orache	PDCHE04056	None	None	G5T2/S2	1B.1	BLM:S	Yes	Yes
<i>Atriplex cordulata</i> var. <i>cordulata</i> heartscale	PDCHE040B0	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Atriplex cordulata</i> var. <i>erecticaulis</i> Earlimart orache	PDCHE042V0	None	None	G3T1/S1	1B.2	BLM:S	No	Yes
<i>Atriplex coronata</i> var. <i>coronata</i> crownscale	PDCHE040C3	None	None	G4T3/S3	4.2		No	No
<i>Atriplex coronata</i> var. <i>notatior</i> San Jacinto Valley crownscale	PDCHE040C2	Endangered	None	G4T1/S1	1B.1		Yes	Yes
<i>Atriplex coronata</i> var. <i>vallicola</i> Lost Hills crownscale	PDCHE04250	None	None	G4T2/S2	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Atriplex coulteri</i> Coulter's saltbush	PDCHE040E0	None	None	G3/S1S2	1B.2		Yes	Yes
<i>Atriplex depressa</i> brittlescale	PDCHE042L0	None	None	G2/S2	1B.2		No	Yes
<i>Atriplex gardneri</i> var. <i>falcata</i> falcate saltbush	PDCHE040J0	None	None	G4T4Q/S2S3	2B.2		No	Yes
<i>Atriplex minuscula</i> lesser saltscale	PDCHE042M0	None	None	G2/S2	1B.1		No	Yes
<i>Atriplex pacifica</i> south coast saltscale	PDCHE041C0	None	None	G4/S2	1B.2		No	Yes
<i>Atriplex parishii</i> Parish's brittlescale	PDCHE041D0	None	None	G1G2/S1	1B.1	USFS:S	No	Yes
<i>Atriplex persistens</i> vernal pool smallscale	PDCHE042P0	None	None	G2/S2	1B.2		No	Yes
<i>Atriplex pusilla</i> smooth saltbush	PDCHE041P0	None	None	G4/SH	2B.1		No	Yes
<i>Atriplex serenana</i> var. <i>davidsonii</i> Davidson's saltscale	PDCHE041T1	None	None	G5T1/S1	1B.2		No	Yes
<i>Atriplex subtilis</i> subtle orache	PDCHE042T0	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Atriplex tularensis</i> Bakersfield smallscale	PDCHE04240	None	Endangered	GX/SX	1A		No	Yes
<i>Ayenia compacta</i> California ayenia	PDSTE01020	None	None	G4/S3	2B.3		No	Yes
<i>Azolla microphylla</i> Mexican mosquito fern	PPAZO01030	None	None	G5/S4	4.2		No	No
<i>Baccharis malibuensis</i> Malibu baccharis	PDAST0W0W0	None	None	G1/S1	1B.1		Yes	Yes
<i>Baccharis plummerae</i> ssp. <i>glabrata</i> San Simeon baccharis	PDAST0W0D1	None	None	G3T1/S1	1B.2	USFS:S	No	Yes
<i>Baccharis plummerae</i> ssp. <i>plummerae</i> Plummer's baccharis	PDAST0W0D2	None	None	G3T3/S3	4.3		Yes	No
<i>Baccharis vanessae</i> Encinitas baccharis	PDAST0W0P0	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Bahia neomexicana</i> many-flowered bahia	PDAST8C020	None	None	G5/S2S3	2B.3		No	Yes
<i>Balsamorhiza lanata</i> woolly balsamroot	PDAST11047	None	None	G3/S3	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Balsamorhiza macrolepis</i> big-scale balsamroot	PDAST11061	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Balsamorhiza sericea</i> silky balsamroot	PDAST110C0	None	None	G4Q/S3	1B.3	BLM:S	No	Yes
<i>Balsamorhiza serrata</i> serrated balsamroot	PDAST110A0	None	None	G5/S2	2B.3		No	Yes
<i>Benitoea occidentalis</i> western lessingia	PDAST15010	None	None	G3G4/S3S4	4.3		No	No
<i>Bensoniella oregona</i> bensoniella	PDSAX02010	None	Rare	G3/S2	1B.1	USFS:S	No	Yes
<i>Berberis fremontii</i> Fremont barberry	PDBER06060	None	None	G5/S3	2B.3		Yes	Yes
<i>Berberis harrisoniana</i> Kofa Mountain barberry	PDBER02030	None	None	G2/S1	1B.2	BLM:S	Yes	Yes
<i>Berberis higginsiae</i> Higgin's barberry	PDBER06080	None	None	G3Q/S1	3.2		No	Yes
<i>Berberis nevinii</i> Nevin's barberry	PDBER060A0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Berberis pinnata ssp. insularis</i> island barberry	PDBER060B2	Endangered	Endangered	G5T1/S1	1B.2		No	Yes
<i>Bergerocactus emoryi</i> golden-spined cereus	PDCAC11010	None	None	G2G3/S2	2B.2		Yes	Yes
<i>Betula glandulosa</i> dwarf resin birch	PDBET02030	None	None	G5/S2	2B.2		No	Yes
<i>Blennosperma bakeri</i> Sonoma sunshine	PDAST1A010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Blennosperma nanum var. robustum</i> Point Reyes blennosperma	PDAST1A022	None	Rare	G4T2/S2	1B.2		No	Yes
<i>Blepharidachne kingii</i> King's eyelash grass	PMPOA0X020	None	None	G4/S2	2B.3		No	Yes
<i>Blepharizonia plumosa</i> big tarplant	PDAST1C011	None	None	G2/S2	1B.1		Yes	Yes
<i>Bloomeria clevelandii</i> San Diego goldenstar	PMLIL1H010	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Bloomeria humilis</i> dwarf goldenstar	PMLIL0B020	None	Rare	G1/S1	1B.2	USFS:S	Yes	Yes
<i>Boechnera bodiensis</i> Bodie Hills rockcress	PDBRA06240	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Boechea cobrensis</i> Masonic rockcress	PDBRA06080	None	None	G5/S3	2B.3		No	Yes
<i>Boechea constancei</i> Constance's rockcress	PDBRA06090	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Boechea dispar</i> pinyon rockcress	PDBRA060F0	None	None	G3/S3	2B.3		Yes	Yes
<i>Boechea evadens</i> hidden rockcress	PDBRA40030	None	None	G1/S1	1B.3	USFS:S	No	Yes
<i>Boechea hirshbergiae</i> Hirshberg's rockcress	PDBRA064D0	None	None	G1Q/S1	1B.2		No	Yes
<i>Boechea hoffmannii</i> Hoffmann's rockcress	PDBRA060V0	Endangered	None	G1G2/S1S2	1B.1		Yes	Yes
<i>Boechea johnstonii</i> Johnston's rockcress	PDBRA060Y0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Boechea koehleri</i> Koehler's stipitate rockcress	PDBRA060Z0	None	None	G3/S2S3	1B.3	USFS:S	No	Yes
<i>Boechea lincolnensis</i> Lincoln rockcress	PDBRA061M3	None	None	G4G5/S3	2B.3	BLM:S	No	Yes
<i>Boechea microphylla</i> small-leaved rockcress	PDBRA06162	None	None	G4Q/S3	3		No	No
<i>Boechea parishii</i> Parish's rockcress	PDBRA061C0	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Boechea peirsonii</i> San Bernardino rockcress	PDBRA06053	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Boechea pendulina</i> rabbit-ear rockcress	PDBRA061E0	None	None	G5/S1	2B.1		No	Yes
<i>Boechea pinzliae</i> Pinzl's rockcress	PDBRA06270	None	None	G2/S1	1B.3	USFS:S	No	Yes
<i>Boechea pygmaea</i> Tulare County rockcress	PDBRA061N0	None	None	G3/S3	4.3		No	No
<i>Boechea rollei</i> Rolle's rockcress	PDBRA064H0	None	None	G1/S1	1B.1		No	Yes
<i>Boechea rubicundula</i> Mt. Day rockcress	PDBRA40100	None	None	G1/S1	1B.1		No	Yes
<i>Boechea serpenticola</i> serpentine rockcress	PDBRA40110	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Boechea shevockii</i> Shevock's rockcress	PDBRA40120	None	None	G1/S1	1B.1	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Boecheera shockleyi</i> Shockley's rockcress	PDBRA061V0	None	None	G3/S2	2B.2	USFS:S	Yes	Yes
<i>Boecheera tiehmii</i> Tiehm's rockcress	PDBRA06280	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Boecheera tularensis</i> Tulare rockcress	PDBRA40130	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Boecheera ultraalsa</i> Snow Mountain rockcress	PDBRA40140	None	None	G1/S1	1B.1		No	Yes
<i>Boecheera yorkii</i> Last Chance rockcress	PDBRA40010	None	None	G1/S1	1B.3		No	Yes
<i>Bolandra californica</i> Sierra bolandra	PDSAX03010	None	None	G4/S4	4.3		No	No
<i>Botrychium ascendens</i> upswept moonwort	PPOPH010S0	None	None	G3G4/S2	2B.3	USFS:S	No	Yes
<i>Botrychium crenulatum</i> scalloped moonwort	PPOPH010L0	None	None	G4/S3	2B.2	USFS:S	No	Yes
<i>Botrychium lineare</i> slender moonwort	PPOPH01120	None	None	G3/S1	1B.1	USFS:S	No	Yes
<i>Botrychium lunaria</i> common moonwort	PPOPH01080	None	None	G5/S2	2B.3	USFS:S	No	Yes
<i>Botrychium minganense</i> Mingan moonwort	PPOPH010R0	None	None	G4G5/S3	2B.2	USFS:S	No	Yes
<i>Botrychium montanum</i> western goblin	PPOPH010K0	None	None	G3/S2	2B.1	USFS:S	No	Yes
<i>Botrychium paradoxum</i> paradox moonwort	PPOPH010J0	None	None	G3G4/S1	2B.1	USFS:S	No	Yes
<i>Botrychium pedunculosum</i> stalked moonwort	PPOPH010T0	None	None	G3/S1	2B.1	USFS:S	No	Yes
<i>Botrychium pinnatum</i> northwestern moonwort	PPOPH010V0	None	None	G4?/S2	2B.3	USFS:S	No	Yes
<i>Botrychium pumicola</i> pumice moonwort	PPOPH010D0	None	None	G3/S1	2B.2	USFS:S	No	Yes
<i>Botrychium tunux</i> moosewort	PPOPH01240	None	None	G3/S1	2B.1	USFS:S	No	Yes
<i>Botrychium yaaxudakeit</i> giant moonwort	PPOPH01180	None	None	G3G4/S1	2B.1	USFS:S	No	Yes
<i>Botrypus virginianus</i> rattlesnake fern	PPOPH010H0	None	None	G5/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Bouteloua eriopoda</i> black grama	PMPOA10080	None	None	G5/S4	4.2		No	No
<i>Bouteloua trifida</i> three-awned grama	PMPOA100L0	None	None	G4G5/S3	2B.3		No	Yes
<i>Brasenia schreberi</i> watershield	PDCAB01010	None	None	G5/S3	2B.3		No	Yes
<i>Brodiaea filifolia</i> thread-leaved brodiaea	PMLIL0C050	Threatened	Endangered	G2/S2	1B.1		Yes	Yes
<i>Brodiaea insignis</i> Kaweah brodiaea	PMLIL0C060	None	Endangered	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Brodiaea kinkiensis</i> San Clemente Island brodiaea	PMLIL0C080	None	None	G2/S2	1B.2		Yes	Yes
<i>Brodiaea leptandra</i> narrow-anthered brodiaea	PMLIL0C022	None	None	G3?/S3?	1B.2		No	Yes
<i>Brodiaea matsonii</i> Sulphur Creek brodiaea	PMLIL0C0H0	None	None	G1/S1	1B.1		No	Yes
<i>Brodiaea orcuttii</i> Orcutt's brodiaea	PMLIL0C0B0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Brodiaea pallida</i> Chinese Camp brodiaea	PMLIL0C0C0	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Brodiaea rosea</i> Indian Valley brodiaea	PMLIL0C032	None	Endangered	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Brodiaea santarosae</i> Santa Rosa Basalt brodiaea	PMLIL0C0G0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Brodiaea sierrae</i> Sierra foothills brodiaea	PMLIL0C0J0	None	None	G3/S3	4.3		No	No
<i>Bulbostylis capillaris</i> thread-leaved beakseed	PMCYP02020	None	None	G5/S3	4.2		No	No
<i>Bursera microphylla</i> little-leaf elephant tree	PDBUR01020	None	None	G4/S2	2B.3		No	Yes
<i>Calamagrostis bolanderi</i> Bolander's reed grass	PMPOA17010	None	None	G4/S4	4.2		No	No
<i>Calamagrostis crassiglumis</i> Thurber's reed grass	PMPOA17070	None	None	G3Q/S2	2B.1		No	Yes
<i>Calamagrostis foliosa</i> leafy reed grass	PMPOA170C0	None	Rare	G3/S3	4.2	BLM:S	No	Yes
<i>Calamagrostis ophitidis</i> serpentine reed grass	PMPOA170V0	None	None	G3/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Calandrinia breweri</i> Brewer's calandrinia	PDPOR01020	None	None	G4/S4	4.2		No	No
<i>California macrophylla</i> round-leaved filaree	PDGER01070	None	None	G4/S4	1B.2	BLM:S	Yes	Yes
<i>Calliandra eriophylla</i> pink fairy-duster	PDFAB0N040	None	None	G5/S3	2B.3		Yes	Yes
<i>Callitropsis nootkatensis</i> Alaska cedar	PGCUP03020	None	None	G4G5/S3	4.3		No	No
<i>Calochortus catalinae</i> Catalina mariposa-lily	PMLIL0D080	None	None	G3G4/S3S4	4.2		Yes	No
<i>Calochortus clavatus</i> var. <i>avius</i> Pleasant Valley mariposa-lily	PMLIL0D095	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus clavatus</i> var. <i>clavatus</i> club-haired mariposa-lily	PMLIL0D091	None	None	G4T3/S3	4.3	USFS:S	Yes	No
<i>Calochortus clavatus</i> var. <i>gracilis</i> slender mariposa-lily	PMLIL0D096	None	None	G4T2T3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus clavatus</i> var. <i>recurvifolius</i> Arroyo de la Cruz mariposa-lily	PMLIL0D098	None	None	G4T1/S1	1B.2		No	Yes
<i>Calochortus dunnii</i> Dunn's mariposa-lily	PMLIL0D0C0	None	Rare	G2G3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus excavatus</i> Inyo County star-tulip	PMLIL0D0F0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Calochortus fimbriatus</i> late-flowered mariposa-lily	PMLIL0D1J2	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Calochortus greenei</i> Greene's mariposa-lily	PMLIL0D0H0	None	None	G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i> long-haired star-tulip	PMLIL0D0R1	None	None	G4T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus monanthus</i> single-flowered mariposa-lily	PMLIL0D0W0	None	None	GH/SH	1A	BLM:S	No	Yes
<i>Calochortus obispoensis</i> San Luis mariposa-lily	PMLIL0D110	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus palmeri</i> var. <i>munzii</i> San Jacinto mariposa-lily	PMLIL0D121	None	None	G3T3/S3	1B.2	USFS:S	Yes	Yes
<i>Calochortus palmeri</i> var. <i>palmeri</i> Palmer's mariposa-lily	PMLIL0D122	None	None	G3T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus panamintensis</i> Panamint mariposa-lily	PMLIL0D130	None	None	G3/S3	4.2		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Calochortus persistens</i> Siskiyou mariposa-lily	PMLIL0D140	None	Rare	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Calochortus plummerae</i> Plummer's mariposa-lily	PMLIL0D150	None	None	G4/S4	4.2		Yes	Yes
<i>Calochortus pulchellus</i> Mt. Diablo fairy-lantern	PMLIL0D160	None	None	G2/S2	1B.2		No	Yes
<i>Calochortus raichei</i> The Cedars fairy-lantern	PMLIL0D1L0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Calochortus simulans</i> La Panza mariposa-lily	PMLIL0D170	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Calochortus striatus</i> alkali mariposa-lily	PMLIL0D190	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Calochortus syntrophus</i> Callahan's mariposa-lily	PMLIL0D1S0	None	None	G1/S1	1B.1		No	Yes
<i>Calochortus tiburonensis</i> Tiburon mariposa-lily	PMLIL0D1C0	Threatened	Threatened	G1/S1	1B.1		No	Yes
<i>Calochortus umbellatus</i> Oakland star-tulip	PMLIL0D1E0	None	None	G3?/S3?	4.2		Yes	No
<i>Calochortus uniflorus</i> pink star-tulip	PMLIL0D1F0	None	None	G4/S4	4.2		No	No
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	PMLIL0D1J1	None	None	G3G4T2/S2	1B.2	USFS:S	Yes	Yes
<i>Calochortus westonii</i> Shirley Meadows star-tulip	PMLIL0D1M0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Calycadenia hooveri</i> Hoover's calycadenia	PDAST1P040	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Calycadenia micrantha</i> small-flowered calycadenia	PDAST1P0C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Calycadenia oppositifolia</i> Butte County calycadenia	PDAST1P070	None	None	G3/S3	4.2	USFS:S	No	No
<i>Calycadenia villosa</i> dwarf calycadenia	PDAST1P0B0	None	None	G3/S3	1B.1	BLM:S USFS:S	Yes	Yes
<i>Calyptridium arizonicum</i> Arizona pussypaws	PDPOR09051	None	None	G3?/S1	2B.1		No	Yes
<i>Calyptridium parryi</i> var. <i>hesseae</i> Santa Cruz Mountains pussypaws	PDPOR09052	None	None	G3G4T2/S2	1B.1	BLM:S	No	Yes
<i>Calyptridium pulchellum</i> Mariposa pussypaws	PDPOR09060	Threatened	None	G1/S1	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Calyptridium pygmaeum</i> pygmy pussypaws	PDPOR09070	None	None	G1G2/S1S2	1B.2	USFS:S	No	Yes
<i>Calyptridium quadripetalum</i> four-petaled pussypaws	PDPOR09080	None	None	G4/S4	4.3		No	No
<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i> Butte County morning-glory	PDCON04012	None	None	G5T3/S3	4.2		No	Yes
<i>Calystegia collina</i> ssp. <i>oxyphylla</i> Mt. Saint Helena morning-glory	PDCON04032	None	None	G4T3/S3	4.2		No	Yes
<i>Calystegia collina</i> ssp. <i>tridactylosa</i> three-fingered morning-glory	PDCON04036	None	None	G4T1/S1	1B.2	BLM:S	No	Yes
<i>Calystegia collina</i> ssp. <i>venusta</i> South Coast Range morning-glory	PDCON04034	None	None	G4T4/S4	4.3		No	No
<i>Calystegia felix</i> lucky morning-glory	PDCON040P0	None	None	G1Q/S1	1B.1		No	Yes
<i>Calystegia macrostegia</i> ssp. <i>amplissima</i> island morning-glory	PDCON04081	None	None	G4G5T4/S4	4.3		Yes	No
<i>Calystegia malacophylla</i> var. <i>berryi</i> Berry's morning-glory	PDCON040K2	None	None	G4G5T2T3Q/S 2S3	3.3		No	Yes
<i>Calystegia peirsonii</i> Peirson's morning-glory	PDCON040A0	None	None	G4/S4	4.2		No	Yes
<i>Calystegia purpurata</i> ssp. <i>saxicola</i> coastal bluff morning-glory	PDCON040D2	None	None	G4T2T3/S2S3	1B.2		No	Yes
<i>Calystegia sepium</i> ssp. <i>binghamiae</i> Santa Barbara morning-glory	PDCON040E6	None	None	G5TXQ/SX	1A		No	Yes
<i>Calystegia stebbinsii</i> Stebbins' morning-glory	PDCON040H0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Calystegia subcaulis</i> ssp. <i>episcopalis</i> Cambria morning-glory	PDCON040J1	None	None	G3T2/S2	4.2		No	Yes
<i>Calystegia vanzuukiae</i> Van Zuuk's morning-glory	PDCON040Q0	None	None	G2Q/S2	1B.3		No	Yes
<i>Camissonia benitensis</i> San Benito evening-primrose	PDONA03030	Threatened	None	G2/S2	1B.1		Yes	Yes
<i>Camissonia integrifolia</i> Kern River evening-primrose	PDONA030T0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Camissonia kernensis</i> ssp. <i>kernensis</i> Kern County evening-primrose	PDONA030V2	None	None	G4T3/S3	4.3		No	No
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening-primrose	PDONA031H1	None	None	G3T2/S2	1B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Camissonia sierrae</i> ssp. <i>sierrae</i> Yosemite evening-primrose	PDONA031H2	None	None	G3T3/S3	4.3		No	No
<i>Camissoniopsis guadalupensis</i> ssp. <i>clementina</i> San Clemente Island evening-primrose	PDONA030M1	None	None	G3T2/S2	1B.2		Yes	Yes
<i>Camissoniopsis hardhamiae</i> Hardham's evening-primrose	PDONA030N0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Camissoniopsis lewisii</i> Lewis' evening-primrose	PDONA030X0	None	None	G4/S4	3		No	No
<i>Campanula californica</i> swamp harebell	PDCAM02060	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Campanula exigua</i> chaparral harebell	PDCAM020A0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Campanula scabrella</i> rough harebell	PDCAM020U0	None	None	G4/S4	4.3		Yes	No
<i>Campanula sharsmithiae</i> Sharsmith's harebell	PDCAM02100	None	None	G1G2/S1S2	1B.2	BLM:S	No	Yes
<i>Campanula shetleri</i> Castle Crags harebell	PDCAM020W0	None	None	G2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Campanula wilkinsiana</i> Wilkin's harebell	PDCAM020Z0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Canbya candida</i> white pygmy-poppy	PDPAP05020	None	None	G3G4/S3S4	4.2	USFS:S	Yes	Yes
<i>Cardamine angulata</i> seaside bittercress	PDBRA0K010	None	None	G4G5/S3	2B.1		No	Yes
<i>Cardamine bellidifolia</i> var. <i>pachyphylla</i> fleshy toothwort	PDBRA0K022	None	None	G5T4/S3	4.3		No	No
<i>Cardamine nuttallii</i> var. <i>gemma</i> yellow-tubered toothwort	PDBRA0K0R3	None	None	G5T3Q/S2	3.3		No	Yes
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i> dissected-leaved toothwort	PDBRA0K1B1	None	None	G3G5T2Q/S2	1B.2		No	Yes
<i>Carex arcta</i> northern clustered sedge	PMCYP030X0	None	None	G5/S1	2B.2		No	Yes
<i>Carex atherodes</i> wheat sedge	PMCYP03160	None	None	G5/S1	2B.2		No	Yes
<i>Carex buxbaumii</i> Buxbaum's sedge	PMCYP032B0	None	None	G5/S3	4.2		No	No
<i>Carex californica</i> California sedge	PMCYP032D0	None	None	G5/S2	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Carex comosa</i> bristly sedge	PMCYP032Y0	None	None	G5/S2	2B.1		No	Yes
<i>Carex congdonii</i> Congdon's sedge	PMCYP03320	None	None	G4/S4	4.3		No	No
<i>Carex cyrtostachya</i> Sierra arching sedge	PMCYP03M00	None	None	G2/S2	1B.2		No	Yes
<i>Carex davyi</i> Davy's sedge	PMCYP033H0	None	None	G3/S3	1B.3		No	Yes
<i>Carex duriuscula</i> spikerush sedge	PMCYP03GJ0	None	None	G5/S2	2B.3		No	Yes
<i>Carex geyeri</i> Geyer's sedge	PMCYP03540	None	None	G5/S4	4.2		No	No
<i>Carex halliana</i> Oregon sedge	PMCYP035M0	None	None	G4/S2	2B.3		No	Yes
<i>Carex hystericina</i> porcupine sedge	PMCYP036D0	None	None	G5/S1	2B.1		No	Yes
<i>Carex idaho</i> Idaho sedge	PMCYP036E0	None	None	G2G3/S1	2B.3		No	Yes
<i>Carex incurviformis</i> Mt. Dana sedge	PMCYP036G0	None	None	G5/S4	4.3		No	No
<i>Carex klamathensis</i> Klamath sedge	PMCYP03L70	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Carex lasiocarpa</i> woolly-fruited sedge	PMCYP03720	None	None	G5/S2	2B.3		No	Yes
<i>Carex lenticularis</i> var. <i>limnophila</i> lagoon sedge	PMCYP037A7	None	None	G5T5/S1	2B.2		No	Yes
<i>Carex leptalea</i> bristle-stalked sedge	PMCYP037E0	None	None	G5/S1	2B.2		No	Yes
<i>Carex limosa</i> mud sedge	PMCYP037K0	None	None	G5/S3	2B.2		No	Yes
<i>Carex livida</i> livid sedge	PMCYP037L0	None	None	G5/SH	2A		No	Yes
<i>Carex lyngbyei</i> Lyngbye's sedge	PMCYP037Y0	None	None	G5/S3	2B.2		No	Yes
<i>Carex nardina</i> nard sedge	PMCYP03920	None	None	G4G5/S1	2B.2		No	Yes
<i>Carex obispoensis</i> San Luis Obispo sedge	PMCYP039J0	None	None	G3?/S3?	1B.2	BLM:S USFS:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Carex occidentalis</i> western sedge	PMCYP039M0	None	None	G4/S3	2B.3		No	Yes
<i>Carex petasata</i> Liddon's sedge	PMCYP03AE0	None	None	G5/S3	2B.3		No	Yes
<i>Carex praticola</i> northern meadow sedge	PMCYP03B20	None	None	G5/S2	2B.2		No	Yes
<i>Carex saliniformis</i> deceiving sedge	PMCYP03BY0	None	None	G2/S2	1B.2		No	Yes
<i>Carex scabriuscula</i> Siskiyou sedge	PMCYP03C40	None	None	G4G5/S4	4.3		Yes	No
<i>Carex scirpoidea</i> ssp. <i>pseudoscirpoidea</i> western single-spiked sedge	PMCYP03C85	None	None	G5T4/S2	2B.2		No	Yes
<i>Carex scoparia</i> var. <i>scoparia</i> pointed broom sedge	PMCYP03C91	None	None	G5T5/SX	2A		No	Yes
<i>Carex serpenticola</i> serpentine sedge	PMCYP03KM0	None	None	G4/S3	2B.3		No	Yes
<i>Carex sheldonii</i> Sheldon's sedge	PMCYP03CE0	None	None	G4/S2	2B.2		No	Yes
<i>Carex stevenii</i> Steven's sedge	PMCYP039D4	None	None	G4?/S1	2B.2		No	Yes
<i>Carex tahoensis</i> Tahoe sedge	PMCYP03DG0	None	None	G5/S4	4.3		No	No
<i>Carex tiogana</i> Tioga Pass sedge	PMCYP03GP0	None	None	G2Q/S1	1B.3	USFS:S	No	Yes
<i>Carex tompkinsii</i> Tompkins' sedge	PMCYP03DR0	None	Rare	G3G4/S3S4	4.3		No	Yes
<i>Carex vallicola</i> western valley sedge	PMCYP03EA0	None	None	G5/S2	2B.3		No	Yes
<i>Carex viridula</i> ssp. <i>viridula</i> green yellow sedge	PMCYP03EM5	None	None	G5T5/S2	2B.3		No	Yes
<i>Carex xerophila</i> chaparral sedge	PMCYP03M60	None	None	G2/S2	1B.2		No	Yes
<i>Carlwrightia arizonica</i> Arizona carlwrightia	PDACA07010	None	None	G4G5/S2	2B.2		No	Yes
<i>Carlquistia muirii</i> Muir's tarplant	PDASTDU010	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Carnegiea gigantea</i> saguaro	PDCAC12010	None	None	G5/S1	2B.2		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Carpenteria californica</i> tree-anemone	PDHDR04010	None	Threatened	G1?/S1?	1B.2	BLM:S USFS:S	Yes	Yes
<i>Cascadia nuttallii</i> Nuttall's saxifrage	PDSAX0U160	None	None	G4?/S1	2B.1		No	Yes
<i>Castela emoryi</i> Emory's crucifixion-thorn	PDSIM03030	None	None	G3G4/S2S3	2B.2		Yes	Yes
<i>Castilleja affinis</i> var. <i>neglecta</i> Tiburon paintbrush	PDSCR0D013	Endangered	Threatened	G4G5T1T2/S1 S2	1B.2		Yes	Yes
<i>Castilleja ambigua</i> var. <i>ambigua</i> johnny-nip	PDSCR0D401	None	None	G4T5/S4	4.2		No	No
<i>Castilleja ambigua</i> var. <i>humboldtensis</i> Humboldt Bay owl's-clover	PDSCR0D402	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja ambigua</i> var. <i>insalutata</i> pink Johnny-nip	PDSCR0D403	None	None	G4T2/S2	1B.1		No	Yes
<i>Castilleja ambigua</i> var. <i>meadii</i> Mead's owls-clover	PDSCR0D404	None	None	G4T1/S1	1B.1		No	Yes
<i>Castilleja brevilibata</i> short-lobed paintbrush	PDSCR0D181	None	None	G4/S3	4.2		No	No
<i>Castilleja campestris</i> var. <i>succulenta</i> succulent owl's-clover	PDSCR0D3Z1	Threatened	Endangered	G4? T2T3/S2S3	1B.2		No	Yes
<i>Castilleja cinerea</i> ash-gray paintbrush	PDSCR0D0H0	Threatened	None	G1G2/S1S2	1B.2		Yes	Yes
<i>Castilleja densiflora</i> var. <i>obispoensis</i> San Luis Obispo owl's-clover	PDSCR0D453	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja elata</i> Siskiyou paintbrush	PDSCR0D213	None	None	G3/S2S3	2B.2		No	Yes
<i>Castilleja gleasoni</i> Mt. Gleason paintbrush	PDSCR0D140	None	Rare	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Castilleja grisea</i> San Clemente Island paintbrush	PDSCR0D160	Threatened	Endangered	G3/S3	1B.3		Yes	Yes
<i>Castilleja hololeuca</i> island white-felted paintbrush	PDSCR0D1L1	None	None	G3/S3	1B.2		No	Yes
<i>Castilleja lasiorhyncha</i> San Bernardino Mountains owl's-clover	PDSCR0D410	None	None	G2?/S2?	1B.2	USFS:S	Yes	Yes
<i>Castilleja lassenensis</i> Lassen paintbrush	PDSCR0D4L0	None	None	G3/S3	1B.3		No	Yes
<i>Castilleja latifolia</i> Monterey Coast paintbrush	PDSCR0D1P0	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Castilleja leschkeana</i> Point Reyes paintbrush	PDSCR0D1R0	None	None	GHQ/SH	1A		No	Yes
<i>Castilleja litoralis</i> Oregon coast paintbrush	PDSCR0D012	None	None	G3/S3	2B.2		No	Yes
<i>Castilleja mendocinensis</i> Mendocino Coast paintbrush	PDSCR0D3N0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja mollis</i> soft-leaved paintbrush	PDSCR0D230	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Castilleja montigena</i> Heckard's paintbrush	PDSCR0D3G0	None	None	G3/S3	4.3		No	No
<i>Castilleja plagiotoma</i> Mojave paintbrush	PDSCR0D2J0	None	None	G4/S4	4.3	USFS:S	Yes	No
<i>Castilleja rubicundula</i> var. <i>rubicundula</i> pink creamsacs	PDSCR0D482	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Castilleja schizotricha</i> split-hair paintbrush	PDSCR0D2Y0	None	None	G3/S3	4.3		No	No
<i>Castilleja uliginosa</i> Pitkin Marsh paintbrush	PDSCR0D380	None	Endangered	GXQ/SX	1A		No	Yes
<i>Caulanthus amplexicaulis</i> var. <i>barbarae</i> Santa Barbara jewelflower	PDBRA0M012	None	None	G4T2/S2	1B.1	USFS:S	No	Yes
<i>Caulanthus californicus</i> California jewelflower	PDBRA31010	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Caulanthus lemmonii</i> Lemmon's jewelflower	PDBRA0M0E0	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Caulanthus major</i> var. <i>nevadensis</i> slender jewelflower	PDBRA0M0F1	None	None	G4T3?/S3?	4.3		No	No
<i>Caulanthus simulans</i> Payson's jewelflower	PDBRA0M0H0	None	None	G4/S4	4.2	USFS:S	No	Yes
<i>Ceanothus confusus</i> Rincon Ridge ceanothus	PDRHA04220	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Ceanothus cuneatus</i> var. <i>fascicularis</i> Lompoc ceanothus	PDRHA04066	None	None	G5T4/S4	4.2		Yes	No
<i>Ceanothus cyaneus</i> Lakeside ceanothus	PDRHA04070	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Ceanothus decornutus</i> Nicasio ceanothus	PDRHA04440	None	None	G1/S1	1B.2		No	Yes
<i>Ceanothus divergens</i> Calistoga ceanothus	PDRHA04240	None	None	G2/S2	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ceanothus ferrisiae</i> Coyote ceanothus	PDRHA041N0	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Ceanothus foliosus var. vineatus</i> Vine Hill ceanothus	PDRHA040D6	None	None	G3T1/S1	1B.1		No	Yes
<i>Ceanothus fresnensis</i> Fresno ceanothus	PDRHA040E0	None	None	G4/S4	4.3		No	No
<i>Ceanothus gloriosus var. exaltatus</i> glory brush	PDRHA040F4	None	None	G4T4/S4	4.3		No	No
<i>Ceanothus gloriosus var. gloriosus</i> Point Reyes ceanothus	PDRHA040F5	None	None	G4T4/S4	4.3		Yes	No
<i>Ceanothus gloriosus var. porrectus</i> Mt. Vision ceanothus	PDRHA040F7	None	None	G4T2/S2	1B.3		No	Yes
<i>Ceanothus hearstiorum</i> Hearsts' ceanothus	PDRHA040J0	None	Rare	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Ceanothus maritimus</i> maritime ceanothus	PDRHA040T0	None	Rare	G2/S2	1B.2		No	Yes
<i>Ceanothus masonii</i> Mason's ceanothus	PDRHA04200	None	Rare	G1/S1	1B.2		Yes	Yes
<i>Ceanothus megacarpus var. insularis</i> island ceanothus	PDRHA040W1	None	None	G5T4/S4	4.3		Yes	No
<i>Ceanothus ophiochilus</i> Vail Lake ceanothus	PDRHA041M0	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Ceanothus otayensis</i> Otay Mountain ceanothus	PDRHA04430	None	None	G1G2/S1	1B.2	BLM:S	Yes	Yes
<i>Ceanothus pinetorum</i> Kern ceanothus	PDRHA04130	None	None	G3/S3	4.3		No	No
<i>Ceanothus purpureus</i> holly-leaved ceanothus	PDRHA04160	None	None	G2/S2	1B.2		No	Yes
<i>Ceanothus rigidus</i> Monterey ceanothus	PDRHA04067	None	None	G4/S4	4.2		No	No
<i>Ceanothus roderickii</i> Pine Hill ceanothus	PDRHA04190	Endangered	Rare	G1/S1	1B.1		Yes	Yes
<i>Ceanothus sonomensis</i> Sonoma ceanothus	PDRHA04420	None	None	G2/S2	1B.2		No	Yes
<i>Ceanothus verrucosus</i> wart-stemmed ceanothus	PDRHA041J0	None	None	G2/S2?	2B.2		Yes	Yes
<i>Centromadia parryi ssp. australis</i> southern tarplant	PDAST4R0P4	None	None	G3T2/S2	1B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Centromadia parryi</i> ssp. <i>congdonii</i> Congdon's tarplant	PDAST4R0P1	None	None	G3T2/S2	1B.1	BLM:S	Yes	Yes
<i>Centromadia parryi</i> ssp. <i>parryi</i> pappose tarplant	PDAST4R0P2	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Centromadia parryi</i> ssp. <i>rudis</i> Parry's rough tarplant	PDAST4R0P3	None	None	G3T3/S3	4.2		No	No
<i>Centromadia pungens</i> ssp. <i>laevis</i> smooth tarplant	PDAST4R0R4	None	None	G3G4T2/S2	1B.1		Yes	Yes
<i>Cercocarpus betuloides</i> var. <i>blancheae</i> island mountain-mahogany	PDROS08022	None	None	G5T4/S4	4.3		Yes	No
<i>Cercocarpus traskiae</i> Catalina Island mountain-mahogany	PDROS08030	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chaenactis carphoclinia</i> var. <i>peirsonii</i> Peirson's pincushion	PDAST20042	None	None	G5T2/S2	1B.3		No	Yes
<i>Chaenactis douglasii</i> var. <i>alpina</i> alpine dusty maidens	PDAST20065	None	None	G5T5/S2	2B.3		No	Yes
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i> Orcutt's pincushion	PDAST20095	None	None	G5T1T2/S1	1B.1	BLM:S	Yes	Yes
<i>Chaenactis parishii</i> Parish's chaenactis	PDAST200D0	None	None	G3G4/S3	1B.3		No	Yes
<i>Chaenactis suffrutescens</i> Shasta chaenactis	PDAST200H0	None	None	G3/S3	1B.3	BLM:S USFS:S	Yes	Yes
<i>Chaetadelpha wheeleri</i> Wheeler's dune-broom	PDAST21010	None	None	G4/S2	2B.2		No	Yes
<i>Chamaebatia australis</i> southern mountain misery	PDROS0A010	None	None	G4/S4	4.2		No	No
<i>Chenopodium littoreum</i> coastal goosefoot	PDCHE091Z0	None	None	G2/S2	1B.2		No	Yes
<i>Chenopodium simplex</i> large-seeded goosefoot	PDCHE091P0	None	None	G5/S4	4.3		No	No
<i>Chlorogalum grandiflorum</i> Red Hills soaproot	PMLIL0G020	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Chlorogalum pomeridianum</i> var. <i>minus</i> dwarf soaproot	PMLIL0G042	None	None	G5T3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Chlorogalum purpureum</i> var. <i>purpureum</i> Santa Lucia purple amole	PMLIL0G051	Threatened	None	G2T2/S2	1B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Chlorogalum purpureum</i> var. <i>reductum</i> Camatta Canyon amole	PMLIL0G052	Threatened	Rare	G2T1/S1	1B.1		Yes	Yes
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i> salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	G4?T1/S1	1B.2		Yes	Yes
<i>Chloropyron maritimum</i> ssp. <i>palustre</i> Point Reyes salty bird's-beak	PDSCR0J0C3	None	None	G4?T2/S2	1B.2	BLM:S	No	Yes
<i>Chloropyron molle</i> ssp. <i>hispidum</i> hispid salty bird's-beak	PDSCR0J0D1	None	None	G2T1/S1	1B.1	BLM:S	No	Yes
<i>Chloropyron molle</i> ssp. <i>molle</i> soft salty bird's-beak	PDSCR0J0D2	Endangered	Rare	G2T1/S1	1B.2		No	Yes
<i>Chloropyron palmatum</i> palmate-bracted salty bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chloropyron tecopense</i> Tecopa bird's-beak	PDSCR0J0Q0	None	None	G2/S1	1B.2	BLM:S	Yes	Yes
<i>Chorizanthe biloba</i> var. <i>immemora</i> Hernandez spineflower	PDPGN04025	None	None	G3T1T2/S1S2	1B.2	BLM:S	No	Yes
<i>Chorizanthe blakleyi</i> Blakley's spineflower	PDPGN04030	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Chorizanthe breweri</i> Brewer's spineflower	PDPGN04050	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i> San Francisco Bay spineflower	PDPGN04081	None	None	G2T1/S1	1B.2		No	Yes
<i>Chorizanthe cuspidata</i> var. <i>villosa</i> woolly-headed spineflower	PDPGN04082	None	None	G2T2/S2	1B.2		No	Yes
<i>Chorizanthe douglasii</i> Douglas' spineflower	PDPGN040A0	None	None	G4/S4	4.3		No	No
<i>Chorizanthe howellii</i> Howell's spineflower	PDPGN040C0	Endangered	Threatened	G1/S1	1B.2		No	Yes
<i>Chorizanthe leptotheca</i> Peninsular spineflower	PDPGN040D0	None	None	G3/S3	4.2		No	No
<i>Chorizanthe minutiflora</i> Fort Ord spineflower	PDPGN04100	None	None	G1/S1	1B.2		No	Yes
<i>Chorizanthe orcuttiana</i> Orcutt's spineflower	PDPGN040G0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chorizanthe palmeri</i> Palmer's spineflower	PDPGN040H0	None	None	G4/S4	4.2		No	No
<i>Chorizanthe parryi</i> var. <i>fernandina</i> San Fernando Valley spineflower	PDPGN040J1	Proposed Threatened	Endangered	G2T1/S1	1B.1	USFS:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Chorizanthe parryi</i> var. <i>parryi</i> Parry's spineflower	PDPGN040J2	None	None	G3T2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Chorizanthe polygonoides</i> var. <i>longispina</i> long-spined spineflower	PDPGN040K1	None	None	G5T3/S3	1B.2	BLM:S	Yes	Yes
<i>Chorizanthe pungens</i> var. <i>hartwegiana</i> Ben Lomond spineflower	PDPGN040M1	Endangered	None	G2T1/S1	1B.1		No	Yes
<i>Chorizanthe pungens</i> var. <i>pungens</i> Monterey spineflower	PDPGN040M2	Threatened	None	G2T2/S2	1B.2		Yes	Yes
<i>Chorizanthe rectispina</i> straight-awned spineflower	PDPGN040N0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Chorizanthe robusta</i> var. <i>hartwegii</i> Scotts Valley spineflower	PDPGN040Q1	Endangered	None	G2T1/S1	1B.1		No	Yes
<i>Chorizanthe robusta</i> var. <i>robusta</i> robust spineflower	PDPGN040Q2	Endangered	None	G2T1/S1	1B.1	BLM:S	No	Yes
<i>Chorizanthe spinosa</i> Mojave spineflower	PDPGN040R0	None	None	G4/S4	4.2		No	No
<i>Chorizanthe valida</i> Sonoma spineflower	PDPGN040V0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Chorizanthe ventricosa</i> potbellied spineflower	PDPGN040W0	None	None	G3/S3	4.3		No	No
<i>Chorizanthe wheeleri</i> Wheeler's spineflower	PDPGN040Y0	None	None	G3G4/S3S4	4.3		No	No
<i>Chorizanthe xanti</i> var. <i>leucotheca</i> white-bracted spineflower	PDPGN040Z1	None	None	G4T3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Chrysosplenium glechomifolium</i> Pacific golden saxifrage	PDSAX07020	None	None	G5/S3	4.3		No	No
<i>Chrysothamnus greenei</i> Greene's rabbitbrush	PDAST2C030	None	None	G5/S3	2B.3		No	Yes
<i>Chylismia arenaria</i> sand evening-primrose	PDONA03020	None	None	G4?/S2S3	2B.2		No	Yes
<i>Chylismia claviformis</i> ssp. <i>cruciformis</i> cruciform evening-primrose	PDONA030D4	None	None	G5T4/S2	2B.3		No	Yes
<i>Cicuta maculata</i> var. <i>bolanderi</i> Bolander's water-hemlock	PDAP10M051	None	None	G5T4/S2	2B.1		No	Yes
<i>Cinna bolanderi</i> Bolander's woodreed	PMPOA1H040	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Cirsium andrewsii</i> Franciscan thistle	PDAST2E050	None	None	G3/S3	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Cirsium arizonicum</i> var. <i>tenuisectum</i> desert mountain thistle	PDAST2E083	None	None	G5T2/S2	1B.2		No	Yes
<i>Cirsium ciliolatum</i> Ashland thistle	PDAST2E0P0	None	Endangered	G3/S1	2B.1	BLM:S	No	Yes
<i>Cirsium crassicaule</i> slough thistle	PDAST2E0U0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Cirsium fontinale</i> var. <i>campylon</i> Mt. Hamilton fountain thistle	PDAST2E163	None	None	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Cirsium fontinale</i> var. <i>fontinale</i> Crystal Springs fountain thistle	PDAST2E161	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Cirsium fontinale</i> var. <i>obispoense</i> San Luis Obispo fountain thistle	PDAST2E162	Endangered	Endangered	G2T2/S2	1B.2		Yes	Yes
<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i> Suisun thistle	PDAST2E1G1	Endangered	None	G2T1/S1	1B.1		Yes	Yes
<i>Cirsium hydrophilum</i> var. <i>vaseyi</i> Mt. Tamalpais thistle	PDAST2E1G2	None	None	G2T1/S1	1B.2		No	Yes
<i>Cirsium occidentale</i> var. <i>compactum</i> compact cobwebby thistle	PDAST2E1Z1	None	None	G3G4T2/S2	1B.2		No	Yes
<i>Cirsium occidentale</i> var. <i>lucianum</i> Cuesta Ridge thistle	PDAST2E1Z6	None	None	G3G4T2/S2	1B.2	BLM:S	No	Yes
<i>Cirsium praeteriens</i> lost thistle	PDAST2E2B0	None	None	GX/SX	1A		No	Yes
<i>Cirsium rhotophilum</i> surf thistle	PDAST2E2J0	None	Threatened	G1/S1	1B.2	BLM:S	Yes	Yes
<i>Cirsium scariosum</i> var. <i>loncholepis</i> La Graciosa thistle	PDAST2E1N0	Endangered	Threatened	G5T1/S1	1B.1		No	Yes
<i>Cistanthe maritima</i> seaside cistanthe	PDPOR09020	None	None	G3G4/S3	4.2		Yes	No
<i>Cladium californicum</i> California saw-grass	PMCYP04010	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Clarkia amoena</i> ssp. <i>whitneyi</i> Whitney's farewell-to-spring	PDONA05025	None	None	G5T1/S1	1B.1		No	Yes
<i>Clarkia australis</i> Small's southern clarkia	PDONA05040	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Clarkia biloba</i> ssp. <i>australis</i> Mariposa clarkia	PDONA05051	None	None	G4G5T2T3/S2 S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Clarkia biloba</i> ssp. <i>brandegeae</i> Brandegee's clarkia	PDONA05053	None	None	G4G5T4/S4	4.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Clarkia borealis ssp. arida</i> Shasta clarkia	PDONA05061	None	None	G3T2/S2	1B.1	BLM:S	No	Yes
<i>Clarkia borealis ssp. borealis</i> northern clarkia	PDONA05062	None	None	G3T3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Clarkia breweri</i> Brewer's clarkia	PDONA05080	None	None	G4/S4	4.2		Yes	No
<i>Clarkia concinna ssp. automixa</i> Santa Clara red ribbons	PDONA050A1	None	None	G5?T3/S3	4.3		No	Yes
<i>Clarkia concinna ssp. raichei</i> Raiche's red ribbons	PDONA050A2	None	None	G5?T1/S1	1B.1		No	Yes
<i>Clarkia delicata</i> delicate clarkia	PDONA050D0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Clarkia exilis</i> slender clarkia	PDONA050G0	None	None	G3/S3	4.3		No	No
<i>Clarkia franciscana</i> Presidio clarkia	PDONA050H0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Clarkia gracilis ssp. albicaulis</i> white-stemmed clarkia	PDONA050J1	None	None	G5T2T3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Clarkia gracilis ssp. tracyi</i> Tracy's clarkia	PDONA050J4	None	None	G5T3/S3	4.2		Yes	No
<i>Clarkia imbricata</i> Vine Hill clarkia	PDONA050K0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Clarkia jolonensis</i> Jolon clarkia	PDONA050L0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Clarkia lewisii</i> Lewis' clarkia	PDONA050N0	None	None	G4/S4	4.3		Yes	No
<i>Clarkia lingulata</i> Merced clarkia	PDONA050P0	None	Endangered	G1/S1	1B.1	USFS:S	No	Yes
<i>Clarkia mildrediae ssp. lutescens</i> golden-anthered clarkia	PDONA050Q1	None	None	G3T3/S3	4.2		No	No
<i>Clarkia mildrediae ssp. mildrediae</i> Mildred's clarkia	PDONA050Q2	None	None	G3T3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Clarkia mosquinii</i> Mosquin's clarkia	PDONA050S0	None	None	G2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Clarkia rostrata</i> beaked clarkia	PDONA050Y0	None	None	G2G3/S2S3	1B.3	BLM:S	Yes	Yes
<i>Clarkia speciosa ssp. immaculata</i> Pismo clarkia	PDONA05111	Endangered	Rare	G4T1/S1	1B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Clarkia springvillensis</i> Springville clarkia	PDONA05120	Threatened	Endangered	G2/S2	1B.2		No	Yes
<i>Clarkia tembloriensis ssp. calientensis</i> Vasek's clarkia	PDONA05141	None	None	G3T1/S1	1B.1	BLM:S	Yes	Yes
<i>Clarkia virgata</i> Sierra clarkia	PDONA05160	None	None	G3/S3	4.3		Yes	No
<i>Clarkia xantiana ssp. parviflora</i> Kern Canyon clarkia	PDONA05181	None	None	G4T3T4/S3S4	4.2		Yes	Yes
<i>Claytonia lanceolata var. peirsonii</i> Peirson's spring beauty	PDPOR03097	None	None	G5T1Q/S1	3.1	USFS:S	Yes	Yes
<i>Claytonia megarhiza</i> fell-fields claytonia	PDPOR030A0	None	None	G5/S2	2B.3		No	Yes
<i>Claytonia palustris</i> marsh claytonia	PDPOR030S0	None	None	G4/S4	4.3		No	No
<i>Claytonia parviflora ssp. grandiflora</i> streambank spring beauty	PDPOR030D1	None	None	G5T3/S3	4.2		No	No
<i>Claytonia umbellata</i> Great Basin claytonia	PDPOR030P0	None	None	G5?/S1	2B.3		No	Yes
<i>Cleomella brevipes</i> short-pedicelled cleomella	PDCPP04020	None	None	G4/S3	4.2		No	No
<i>Cleomella hillmanii var. hillmanii</i> Hillman's cleomella	PDCPP04030	None	None	G4G5T4T5/S2	2B.2		No	Yes
<i>Clinopodium chandleri</i> San Miguel savory	PDLAM08030	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Clinopodium mimuloides</i> monkey-flower savory	PDLAM1T040	None	None	G3/S3	4.2		No	No
<i>Cochlearia groenlandica</i> Greenland cochlearia	PDBRA0S020	None	None	G4/S1	2B.3		No	Yes
<i>Collinsia antonina</i> San Antonio collinsia	PDSCR0H010	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Collinsia corymbosa</i> round-headed Chinese-houses	PDSCR0H060	None	None	G1/S1	1B.2		No	Yes
<i>Collinsia multicolor</i> San Francisco collinsia	PDSCR0H0B0	None	None	G2/S2	1B.2		Yes	Yes
<i>Collomia diversifolia</i> serpentine collomia	PDPLM02020	None	None	G4/S4	4.3		No	No
<i>Collomia larsenii</i> talus collomia	PDPLM02014	None	None	G4/S2	2B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Collomia rawsoniana</i> Rawson's flaming trumpet	PDPLM02080	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Collomia tenella</i> slender collomia	PDPLM02090	None	None	G4?/S1	2B.2		No	Yes
<i>Collomia tracyi</i> Tracy's collomia	PDPLM020B0	None	None	G4/S4	4.3		No	No
<i>Colubrina californica</i> Las Animas colubrina	PDRHA05030	None	None	G4/S2S3	2B.3		Yes	Yes
<i>Comarostaphylis diversifolia ssp. diversifolia</i> summer holly	PDERI0B011	None	None	G3T2/S2	1B.2	BLM:S	Yes	Yes
<i>Condalia globosa var. pubescens</i> spiny abrojo	PDRHA06031	None	None	G5T4/S3	4.2		No	No
<i>Constancea nevinii</i> Nevin's woolly sunflower	PDAST3N090	None	None	G3/S3	1B.3		Yes	Yes
<i>Convolvulus simulans</i> small-flowered morning-glory	PDCON05060	None	None	G4/S4	4.2		No	No
<i>Coptis laciniata</i> Oregon goldthread	PDRAN0A020	None	None	G4?/S3?	4.2		No	Yes
<i>Corallorhiza trifida</i> northern coralroot	PMORC0M050	None	None	G5/S1	2B.1		No	Yes
<i>Cordylanthus capitatus</i> Yakima bird's-beak	PDSCR0J030	None	None	G4/S2	2B.2		No	Yes
<i>Cordylanthus eremicus ssp. eremicus</i> desert bird's-beak	PDSCR0J042	None	None	G3T3/S3	4.3		No	No
<i>Cordylanthus eremicus ssp. kernensis</i> Kern Plateau bird's-beak	PDSCR0J043	None	None	G3T2/S2	1B.3	USFS:S	No	Yes
<i>Cordylanthus nidularius</i> Mt. Diablo bird's-beak	PDSCR0J0F0	None	Rare	G1/S1	1B.1	BLM:S	No	Yes
<i>Cordylanthus parviflorus</i> small-flowered bird's-beak	PDSCR0J0K0	None	None	G4/S2	2B.3		No	Yes
<i>Cordylanthus rigidus ssp. brevibracteatus</i> short-bracted bird's-beak	PDSCR0J0P3	None	None	G5T3/S3	4.3		No	No
<i>Cordylanthus rigidus ssp. littoralis</i> seaside bird's-beak	PDSCR0J0P2	None	Endangered	G5T2/S2	1B.1	BLM:S	No	Yes
<i>Cordylanthus tenuis ssp. barbatus</i> Fresno County bird's-beak	PDSCR0J0S4	None	None	G4G5T3/S3	4.3		No	No
<i>Cordylanthus tenuis ssp. brunneus</i> serpentine bird's-beak	PDSCR0J0S1	None	None	G4G5T3/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Cordylanthus tenuis ssp. capillaris</i> Pennell's bird's-beak	PDSCR0J0S2	Endangered	Rare	G4G5T1/S1	1B.2		Yes	Yes
<i>Cordylanthus tenuis ssp. pallescens</i> pallid bird's-beak	PDSCR0J0S3	None	None	G4G5T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Corethrogyne filaginifolia var. incana</i> San Diego sand aster	PDAST2M025	None	None	G4T1Q/S1	1B.1		No	Yes
<i>Corethrogyne filaginifolia var. linifolia</i> Del Mar Mesa sand aster	PDAST2M027	None	None	G4T1T2Q/S1S 2	1B.1		No	Yes
<i>Corethrogyne leucophylla</i> branching beach aster	PDAST2M030	None	None	G3Q/S3	3.2		No	No
<i>Corispermum americanum var. americanum</i> American bugseed	PDCHE0A091	None	None	G5?T5?/S1	2B.2		No	Yes
<i>Cornus canadensis</i> bunchberry	PDCOR01040	None	None	G5/S2	2B.2		No	Yes
<i>Coryphantha alversonii</i> Alverson's foxtail cactus	PDCAC0X060	None	None	G3/S3	4.3		No	Yes
<i>Coryphantha chlorantha</i> desert pincushion	PDCAC040J0	None	None	G4/S3	2B.1		No	Yes
<i>Coryphantha vivipara var. rosea</i> viviparous foxtail cactus	PDCAC0X0G8	None	None	G5T3/S1	2B.2		No	Yes
<i>Crataegus castlegarensis</i> Calstlegar hawthorne	PDROS0H9E0	None	None	G5/S1S3	3		No	No
<i>Crepis runcinata</i> fiddleleaf hawksbeard	PDAST2R0K0	None	None	G5/S3	2B.2		No	Yes
<i>Crocانthemum greenei</i> island rush-rose	PDCIS02090	Threatened	None	G3/S3	1B.2		Yes	Yes
<i>Crocانthemum suffrutescens</i> Bisbee Peak rush-rose	PDCIS020F0	None	None	G2?Q/S2?	3.2		No	Yes
<i>Crossosoma californicum</i> Catalina crossosoma	PDCRO02020	None	None	G3/S3	1B.2		Yes	Yes
<i>Croton wigginsii</i> Wiggins' croton	PDEUP0H140	None	Rare	G2G3/S2	2B.2	BLM:S	No	Yes
<i>Cryptantha celosioides</i> cocks-comb cat's-eye	PDBOR0A0F0	None	None	G5/S1	2B.3		No	Yes
<i>Cryptantha clokeyi</i> Clokey's cryptantha	PDBOR0A3M0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Cryptantha crinita</i> silky cryptantha	PDBOR0A0Q0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Cryptantha crymophila</i> subalpine cryptantha	PDBOR0A0R0	None	None	G3/S3	1B.3		No	Yes
<i>Cryptantha dissita</i> serpentine cryptantha	PDBOR0A0H2	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cryptantha excavata</i> deep-scarred cryptantha	PDBOR0A0W0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Cryptantha fendleri</i> sand dune cryptantha	PDBOR0A0X0	None	None	G5/S1	2B.2		No	Yes
<i>Cryptantha ganderi</i> Gander's cryptantha	PDBOR0A120	None	None	G2/S1	1B.1	BLM:S	No	Yes
<i>Cryptantha glomeriflora</i> clustered-flower cryptantha	PDBOR0A130	None	None	G4Q/S4	4.3		No	No
<i>Cryptantha hooveri</i> Hoover's cryptantha	PDBOR0A190	None	None	GH/SH	1A		No	Yes
<i>Cryptantha incana</i> Tulare cryptantha	PDBOR0A1D0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Cryptantha mariposae</i> Mariposa cryptantha	PDBOR0A1Q0	None	None	G2G3/S2S3	1B.3	BLM:S	No	Yes
<i>Cryptantha rattanii</i> Rattan's cryptantha	PDBOR0A2H0	None	None	G4/S4	4.3		No	No
<i>Cryptantha scoparia</i> gray cryptantha	PDBOR0A2Q0	None	None	G4?/S4	4.3		No	No
<i>Cryptantha spithamaea</i> Red Hills cryptantha	PDBOR0A2M2	None	None	G2/S2	1B.3		No	Yes
<i>Cryptantha traskiae</i> Trask's cryptantha	PDBOR0A370	None	None	G2/S2	1B.1		Yes	Yes
<i>Cryptantha tumulosa</i> New York Mountains cryptantha	PDBOR0A380	None	None	G4/S4	4.3		No	No
<i>Cryptantha wigginsii</i> Wiggins' cryptantha	PDBOR0A400	None	None	G2/S1	1B.2		No	Yes
<i>Cuniculotinus gramineus</i> Panamint rock-goldenrod	PDAST2C0H0	None	None	G3G4/S3	2B.3		No	Yes
<i>Cuscuta californica</i> var. <i>apiculata</i> pointed dodder	PDCUS01071	None	None	G5T2T4/S3?	3		No	No
<i>Cuscuta jepsonii</i> Jepson's dodder	PDCUS011T0	None	None	GH/SH	1B.2		No	Yes
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i> Peruvian dodder	PDCUS01111	None	None	G5T4T5/SH	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Cuscuta pacifica</i> var. <i>papillata</i> Mendocino dodder	PDCUS011A2	None	None	G5T1/S1	1B.2		No	Yes
<i>Cusickiella quadricostata</i> Bodie Hills cusickiella	PDBRA2V010	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cylindropuntia californica</i> var. <i>californica</i> snake cholla	PDCAC0D2Y1	None	None	G3T2/S1	1B.1		No	Yes
<i>Cylindropuntia fosbergii</i> pink teddy-bear cholla	PDCAC0D2U0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Cylindropuntia munzii</i> Munz's cholla	PDCAC0D0V0	None	None	G3/S1	1B.3	BLM:S	No	Yes
<i>Cylindropuntia wolfii</i> Wolf's cholla	PDCAC0D2R0	None	None	G4/S3	4.3		No	No
<i>Cymopterus deserticola</i> desert cymopterus	PDAPI0U090	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Cymopterus gilmanii</i> Gilman's cymopterus	PDAPI0U0C0	None	None	G3/S2	2B.3		Yes	Yes
<i>Cymopterus globosus</i> globose cymopterus	PDAPI0U0E0	None	None	G3G4/S1	2B.2		No	Yes
<i>Cymopterus multinervatus</i> purple-nerve cymopterus	PDAPI0U0Q0	None	None	G4G5/S2	2B.2		No	Yes
<i>Cymopterus ripleyi</i> var. <i>saniculoides</i> sanicle cymopterus	PDAPI0U0X1	None	None	G3G4T3Q/S1	1B.2	BLM:S	No	Yes
<i>Cypripedium californicum</i> California lady's-slipper	PMORC0Q040	None	None	G4/S4	4.2		No	No
<i>Cypripedium fasciculatum</i> clustered lady's-slipper	PMORC0Q060	None	None	G4/S4	4.2	BLM:S USFS:S	No	No
<i>Cypripedium montanum</i> mountain lady's-slipper	PMORC0Q080	None	None	G4/S4	4.2	BLM:S USFS:S	No	No
<i>Cypripedium parviflorum</i> var. <i>makasin</i> northern yellow lady's slipper	PMORC0Q093	None	None	G5T4T5/S1	3.1		No	No
<i>Dalea ornata</i> ornate dalea	PDFAB1A150	None	None	G4G5/S2	2B.1	BLM:S	No	Yes
<i>Darlingtonia californica</i> California pitcherplant	PDSAR01010	None	None	G4/S4	4.2		Yes	No
<i>Dedeckera eurekensis</i> July gold	PDPGN06010	None	Rare	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Deinandra arida</i> Red Rock tarplant	PDAST4R010	None	Rare	G1/S1	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Deinandra bacigalupii</i> Livermore tarplant	PDAST4R0V0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Deinandra clementina</i> island tarplant	PDAST4R040	None	None	G4/S4	4.3		Yes	No
<i>Deinandra conjugens</i> Otay tarplant	PDAST4R070	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Deinandra floribunda</i> Tecate tarplant	PDAST4R0B0	None	None	G2/S2?	1B.2	BLM:S USFS:S	Yes	Yes
<i>Deinandra halliana</i> Hall's tarplant	PDAST4R0C0	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Deinandra increscens ssp. villosa</i> Gaviota tarplant	PDAST4R0U3	Endangered	Endangered	G4G5T2/S2	1B.1		Yes	Yes
<i>Deinandra minthornii</i> Santa Susana tarplant	PDAST4R0J0	None	Rare	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Deinandra mohavensis</i> Mojave tarplant	PDAST4R0K0	None	Endangered	G2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Deinandra paniculata</i> paniculate tarplant	PDAST4R0N0	None	None	G4/S4	4.2		No	No
<i>Delphinium bakeri</i> Baker's larkspur	PDRAN0B050	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Delphinium californicum ssp. interius</i> Hospital Canyon larkspur	PDRAN0B0A2	None	None	G3T3/S3	1B.2		No	Yes
<i>Delphinium gypsophilum ssp. parviflorum</i> small-flowered gypsum-loving larkspur	PDRAN0B0S2	None	None	G4T2T3Q/S2S 3	3.2		No	No
<i>Delphinium hansenii ssp. ewanianum</i> Ewan's larkspur	PDRAN0B0T2	None	None	G4T3/S3	4.2		No	No
<i>Delphinium hesperium ssp. cuyamaca</i> Cuyamaca larkspur	PDRAN0B0U1	None	Rare	G4T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Delphinium hutchinsoniae</i> Hutchinson's larkspur	PDRAN0B0V0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Delphinium inopinum</i> unexpected larkspur	PDRAN0B0W0	None	None	G3/S3	4.3	USFS:S	No	Yes
<i>Delphinium luteum</i> golden larkspur	PDRAN0B0Z0	Endangered	Rare	G1/S1	1B.1		Yes	Yes
<i>Delphinium parishii ssp. subglobosum</i> Colorado Desert larkspur	PDRAN0B1A3	None	None	G4T4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Delphinium parryi</i> ssp. <i>blochmaniae</i> dune larkspur	PDRAN0B1B1	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Delphinium parryi</i> ssp. <i>eastwoodiae</i> Eastwood's larkspur	PDRAN0B1B2	None	None	G4T2/S2	1B.2		No	Yes
<i>Delphinium parryi</i> ssp. <i>purpureum</i> Mt. Pinos larkspur	PDRAN0B1B5	None	None	G4T4/S4	4.3	USFS:S	Yes	No
<i>Delphinium purpusii</i> rose-flowered larkspur	PDRAN0B1G0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Delphinium recurvatum</i> recurved larkspur	PDRAN0B1J0	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Delphinium scaposum</i> bare-stem larkspur	PDRAN0B1M0	None	None	G5/S1	2B.3		No	Yes
<i>Delphinium stachydeum</i> spiked larkspur	PDRAN0B1Q0	None	None	G5?/S3	2B.3		No	Yes
<i>Delphinium uliginosum</i> swamp larkspur	PDRAN0B1V0	None	None	G3/S3	4.2		No	No
<i>Delphinium umbracolorum</i> umbrella larkspur	PDRAN0B1W0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Delphinium variegatum</i> ssp. <i>kinkiense</i> San Clemente Island larkspur	PDRAN0B1X3	Endangered	Endangered	G4T2/S2	1B.1		Yes	Yes
<i>Delphinium variegatum</i> ssp. <i>thornei</i> Thorne's royal larkspur	PDRAN0B1X2	None	None	G4T1/S1	1B.1		Yes	Yes
<i>Dendromecon harfordii</i> var. <i>harfordii</i> north island bush-poppy	PDPAP08020	None	None	G3T3Q/S3	3.2		Yes	No
<i>Dendromecon harfordii</i> var. <i>rhamnoides</i> south island bush-poppy	PDPAP08012	None	None	G4T1Q/S1	3.1		No	Yes
<i>Dicentra formosa</i> ssp. <i>oregana</i> Oregon bleeding heart	PDFUM04052	None	None	G5T4/S3	4.2		No	No
<i>Dicentra nevadensis</i> Tulare County bleeding heart	PDFUM04060	None	None	G4?/S4?	4.3	USFS:S	No	No
<i>Dichondra occidentalis</i> western dichondra	PDCON08060	None	None	G3G4/S3S4	4.2		No	No
<i>Dicranostegia orcuttiana</i> Orcutt's bird's-beak	PDSCR0J0G0	None	None	G2G3/S1	2B.1		Yes	Yes
<i>Dieteria asteroides</i> var. <i>lagunensis</i> Mt. Laguna aster	PDAST64131	None	Rare	G5T2T3/S1	2B.1	BLM:S USFS:S	No	Yes
<i>Dieteria canescens</i> var. <i>zieglerei</i> Ziegler's aster	PDAST640B2	None	None	G5T1/S1	1B.2	USFS:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Digitaria californica</i> var. <i>californica</i> Arizona cottontop	PMPOA27051	None	None	G5T5/S2	2B.3		No	Yes
<i>Dimeresia howellii</i> doublet	PDAST2Z010	None	None	G4?/S3	2B.3		No	Yes
<i>Diplacus aridus</i> low bush monkeyflower	PDSCR22040	None	None	G4/S3	4.3		Yes	No
<i>Diplacus brandegeei</i> Santa Cruz Island monkeyflower	PDSCR1B0K0	None	None	G1Q/SX	1A		No	Yes
<i>Diplacus clevelandii</i> Cleveland's bush monkeyflower	PDSCR22010	None	None	G4/S4	4.2		Yes	No
<i>Diplacus cusickioides</i> Cusick's monkeyflower	PDSCR220E0	None	None	G4G5/S2	2B.3		No	Yes
<i>Diplacus johnstonii</i> Johnston's monkeyflower	PDSCR1B1H0	None	None	G4/S4	4.3		No	No
<i>Diplacus mohavensis</i> Mojave monkeyflower	PDSCR1B1V0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Diplacus parryi</i> Parry's monkeyflower	PDSCR1B230	None	None	G4G5/S3	2B.3		No	Yes
<i>Diplacus parviflorus</i> island bush monkeyflower	PDSCR22030	None	None	G4/S4	4.3		Yes	No
<i>Diplacus pictus</i> calico monkeyflower	PDSCR1B240	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Diplacus pulchellus</i> yellow-lip pansy monkeyflower	PDSCR1B280	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Diplacus pygmaeus</i> Egg Lake monkeyflower	PDSCR1B2C0	None	None	G4/S3	4.2		No	Yes
<i>Diplacus rupicola</i> Death Valley monkeyflower	PDSCR1B2H0	None	None	G4/S4	4.3		No	No
<i>Diplacus traskiae</i> Santa Catalina Island monkeyflower	PDSCR1B2P0	None	None	GX/SX	1A		No	Yes
<i>Diplacus vandenbergensis</i> Vandenberg monkeyflower	PDSCR1B381	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Dirca occidentalis</i> western leatherwood	PDTHY03010	None	None	G2/S2	1B.2		Yes	Yes
<i>Dissanthelium californicum</i> California dissanthelium	PMPOA29010	None	None	G2/S1	1B.2		Yes	Yes
<i>Ditaxis clyaryana</i> glandular ditaxis	PDEUP080L0	None	None	G3G4/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ditaxis serrata</i> var. <i>californica</i> California ditaxis	PDEUP08050	None	None	G5T3T4/S2?	3.2		No	Yes
<i>Dithyrea maritima</i> beach spectaclepod	PDBRA10020	None	Threatened	G1/S1	1B.1	BLM:S	No	Yes
<i>Dodecahema leptoceras</i> slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Downingia concolor</i> var. <i>brevior</i> Cuyamaca Lake downingia	PDCAM06041	None	Endangered	G4T1/S1	1B.1		No	Yes
<i>Downingia laeta</i> Great Basin downingia	PDCAM06080	None	None	G5/S3	2B.2		No	Yes
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU/S2	2B.2		No	Yes
<i>Draba asterophora</i> var. <i>asterophora</i> Tahoe draba	PDBRA110D1	None	None	G2T2?/S2?	1B.2	USFS:S	No	Yes
<i>Draba asterophora</i> var. <i>macrocarpa</i> Cup Lake draba	PDBRA110D2	None	None	G2T1/S1	1B.1	USFS:S	No	Yes
<i>Draba aureola</i> golden alpine draba	PDBRA110F0	None	None	G4/S2	1B.3		No	Yes
<i>Draba californica</i> California draba	PDBRA11380	None	None	G3/S3	4.2		No	No
<i>Draba cana</i> canescent draba	PDBRA110M0	None	None	G5/S2	2B.3		No	Yes
<i>Draba carnosula</i> Mt. Eddy draba	PDBRA112T0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Draba cruciata</i> Mineral King draba	PDBRA110U0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Draba howellii</i> Howell's draba	PDBRA11150	None	None	G4/S4	4.3		Yes	No
<i>Draba incrassata</i> Sweetwater Mountains draba	PDBRA113G0	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Draba lonchocarpa</i> spear-fruited draba	PDBRA111F0	None	None	G5/S1	2B.3		No	Yes
<i>Draba monoensis</i> White Mountains draba	PDBRA113B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Draba praealta</i> tall draba	PDBRA11210	None	None	G5/S3	2B.3		No	Yes
<i>Draba pterosperma</i> winged-seed draba	PDBRA11230	None	None	G3/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Draba saxosa</i> Southern California rock draba	PDBRA110Q2	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Draba sharsmithii</i> Mt. Whitney draba	PDBRA113F0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Draba sierrae</i> Sierra draba	PDBRA112A0	None	None	G3/S3	1B.3		No	Yes
<i>Draba subumbellata</i> mound draba	PDBRA11370	None	None	G3/S3	4.3		No	No
<i>Drosera anglica</i> English sundew	PDDRO02010	None	None	G5/S2	2B.3		No	Yes
<i>Drymocallis cuneifolia</i> var. <i>cuneifolia</i> wedgeleaf woodbeauty	PDR0S2D011	None	None	G2T1/S1	1B.1	USFS:S	Yes	Yes
<i>Drymocallis cuneifolia</i> var. <i>ewanii</i> Ewan's cinquefoil	PDR0S1B0S3	None	None	G2T2/S2	1B.3	USFS:S	Yes	Yes
<i>Dryopteris filix-mas</i> male fern	PPDRY0A0B0	None	None	G5/S2	2B.3		No	Yes
<i>Dudleya abramsii</i> ssp. <i>affinis</i> San Bernardino Mountains dudleya	PDCRA04013	None	None	G4T2/S2	1B.2	USFS:S	Yes	Yes
<i>Dudleya abramsii</i> ssp. <i>bettinae</i> Betty's dudleya	PDCRA04011	None	None	G4T2/S2	1B.2		Yes	Yes
<i>Dudleya abramsii</i> ssp. <i>calpicola</i> limestone dudleya	PDCRA040Y0	None	None	G4T4/S4	4.3		No	No
<i>Dudleya abramsii</i> ssp. <i>murina</i> mouse-gray dudleya	PDCRA04012	None	None	G4T2/S2	1B.3	BLM:S	Yes	Yes
<i>Dudleya abramsii</i> ssp. <i>setchellii</i> Santa Clara Valley dudleya	PDCRA040Z0	Endangered	None	G4T2/S2	1B.1		Yes	Yes
<i>Dudleya alainae</i> banner dudleya	PDCRA040X0	None	None	G2Q/S2	3.2		No	No
<i>Dudleya attenuata</i> ssp. <i>attenuata</i> Orcutt's dudleya	PDCRA04032	None	None	G4T3?/S1	2B.1		No	Yes
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i> Blochman's dudleya	PDCRA04051	None	None	G3T2/S2	1B.1		Yes	Yes
<i>Dudleya blochmaniae</i> ssp. <i>insularis</i> Santa Rosa Island dudleya	PDCRA04052	None	None	G3T1/S1	1B.1		No	Yes
<i>Dudleya brevifolia</i> short-leaved dudleya	PDCRA04053	None	Endangered	G1/S1	1B.1		Yes	Yes
<i>Dudleya candelabrum</i> candleholder dudleya	PDCRA04080	None	None	G3/S3	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Dudleya cymosa ssp. agourensis</i> Agoura Hills dudleya	PDCRA040A7	Threatened	None	G5T1/S1	1B.2		Yes	Yes
<i>Dudleya cymosa ssp. costatifolia</i> Pierpoint Springs dudleya	PDCRA040A2	None	None	G5T1/S1	1B.2	USFS:S	No	Yes
<i>Dudleya cymosa ssp. crebrifolia</i> San Gabriel River dudleya	PDCRA040A8	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Dudleya cymosa ssp. marcescens</i> marcescent dudleya	PDCRA040A3	Threatened	Rare	G5T2/S2	1B.2		Yes	Yes
<i>Dudleya cymosa ssp. ovatifolia</i> Santa Monica dudleya	PDCRA040A5	Threatened	None	G5T1/S1	1B.1		Yes	Yes
<i>Dudleya densiflora</i> San Gabriel Mountains dudleya	PDCRA040B0	None	None	G2/S2	1B.1	USFS:S	Yes	Yes
<i>Dudleya gnoma</i> munchkin dudleya	PDCRA040W0	None	None	G1/S1	1B.1		No	Yes
<i>Dudleya greenei</i> Greene's dudleya	PDCRA040E0	None	None	G3/S3	4.2		Yes	No
<i>Dudleya multicaulis</i> many-stemmed dudleya	PDCRA040H0	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Dudleya nesiotica</i> Santa Cruz Island dudleya	PDCRA040J0	Threatened	Rare	G1/S1	1B.1		Yes	Yes
<i>Dudleya parva</i> Conejo dudleya	PDCRA04016	Threatened	None	G1/S1	1B.2		Yes	Yes
<i>Dudleya saxosa ssp. saxosa</i> Panamint dudleya	PDCRA040N2	None	None	G4T3/S3	1B.3	BLM:S	No	Yes
<i>Dudleya stolonifera</i> Laguna Beach dudleya	PDCRA040P0	Threatened	Threatened	G1/S1	1B.1		Yes	Yes
<i>Dudleya traskiae</i> Santa Barbara Island dudleya	PDCRA040Q0	Endangered	Endangered	G1/S1	1B.2		No	Yes
<i>Dudleya variegata</i> variegated dudleya	PDCRA040R0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Dudleya verityi</i> Verity's dudleya	PDCRA040U0	Threatened	None	G1/S1	1B.1		Yes	Yes
<i>Dudleya virens ssp. hassei</i> Catalina Island dudleya	PDCRA040S1	None	None	G3?T2/S2	1B.2		Yes	Yes
<i>Dudleya virens ssp. insularis</i> island green dudleya	PDCRA040S2	None	None	G3?T3/S3	1B.2		No	Yes
<i>Dudleya virens ssp. virens</i> bright green dudleya	PDCRA040S3	None	None	G3?T2/S2	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Dudleya viscida</i> sticky dudleya	PDCRA040T0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Echinocereus engelmannii</i> var. <i>howei</i> Howe's hedgehog cactus	PDCAC06035	None	None	G5T1/S1	1B.1	BLM:S	No	Yes
<i>Eleocharis parvula</i> small spikerush	PMCYP091G0	None	None	G5/S3	4.3		No	No
<i>Eleocharis torticulmis</i> California twisted spikerush	PMCYP092E0	None	None	G1/S1	1B.3	USFS:S	No	Yes
<i>Elymus californicus</i> California bottle-brush grass	PMPOA2H0W0	None	None	G4/S4	4.3		No	No
<i>Elymus salina</i> Salina Pass wild-rye	PMPOA6P010	None	None	G4G5/S2S3	2B.3		Yes	Yes
<i>Elymus scribneri</i> Scribner's wheat grass	PMPOA2H170	None	None	G5/S3	2B.3		No	Yes
<i>Empetrum nigrum</i> black crowberry	PDEMP03020	None	None	G5/S1?	2B.2		No	Yes
<i>Enceliopsis covillei</i> Panamint daisy	PDAST3G020	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i> Ash Meadows daisy	PDAST3G031	Threatened	None	G5T1T2Q/S1	3.3		No	Yes
<i>Enceliopsis nudicaulis</i> var. <i>nudicaulis</i> naked-stemmed daisy	PDAST3G032	None	None	G5T5/S3	4.3		Yes	No
<i>Enneapogon desvauxii</i> nine-awned pappus grass	PMPOA2J010	None	None	G5/S3	2B.2		Yes	Yes
<i>Ephedra torreyana</i> Torrey's Mormon-tea	PGEPH01080	None	None	G4G5/S1	2B.1		No	Yes
<i>Epilobium howellii</i> subalpine fireweed	PDONA06180	None	None	G4/S4	4.3		No	Yes
<i>Epilobium luteum</i> yellow willowherb	PDONA060H0	None	None	G5/S1	2B.3		No	Yes
<i>Epilobium nivium</i> Snow Mountain willowherb	PDONA060M0	None	None	G2G3/S2S3	1B.2	USFS:S	No	Yes
<i>Epilobium oregonum</i> Oregon fireweed	PDONA060P0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Epilobium palustre</i> marsh willowherb	PDONA060R0	None	None	G5/S2	2B.3		No	Yes
<i>Epilobium rigidum</i> Siskiyou Mountains willowherb	PDONA060V0	None	None	G3G4/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Epilobium septentrionale</i> Humboldt County fuchsia	PDONA06110	None	None	G4/S4	4.3		No	No
<i>Epilobium siskiyouense</i> Siskiyou fireweed	PDONA06100	None	None	G3/S3	1B.3	BLM:S	Yes	Yes
<i>Equisetum palustre</i> marsh horsetail	PPEQU01050	None	None	G5/S1S3	3		No	No
<i>Eremalche parryi ssp. kernensis</i> Kern mallow	PDMAL0C031	Endangered	None	G3G4T2/S2	1B.2		Yes	Yes
<i>Eremogone cliffonii</i> Clifton's eremogone	PDCAR17010	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Eremogone congesta var. charlestonensis</i> Charleston sandwort	PDCAR0405B	None	None	G5T2?/S1	1B.3		No	Yes
<i>Eremogone ursina</i> Big Bear Valley sandwort	PDCAR040R0	Threatened	None	G1/S1	1B.2		Yes	Yes
<i>Eremothera boothii ssp. alyssoides</i> Pine Creek evening-primrose	PDONA03051	None	None	G5T4/S4	4.3		No	No
<i>Eremothera boothii ssp. boothii</i> Booth's evening-primrose	PDONA03052	None	None	G5T4/S2	2B.3		No	Yes
<i>Eremothera boothii ssp. intermedia</i> Booth's hairy evening-primrose	PDONA03056	None	None	G5T3T4/S3	2B.3		No	Yes
<i>Eremothera minor</i> Nelson's evening-primrose	PDONA03110	None	None	G4/S1S2	2B.3		No	Yes
<i>Eriastrum brandegeae</i> Brandegee's eriastrum	PDPLM03020	None	None	G1Q/S1	1B.1	BLM:S	No	Yes
<i>Eriastrum densifolium ssp. sanctorum</i> Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Eriastrum erterae</i> Lime Ridge eriastrum	PDPLM030F0	None	None	G1/S1	1B.1		No	Yes
<i>Eriastrum harwoodii</i> Harwood's eriastrum	PDPLM030B1	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Eriastrum hooveri</i> Hoover's eriastrum	PDPLM03070	Delisted	None	G3/S3	4.2		Yes	Yes
<i>Eriastrum luteum</i> yellow-flowered eriastrum	PDPLM03080	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Eriastrum rosamondense</i> Rosamond eriastrum	PDPLM030G0	None	None	G1?/S1?	1B.1		No	Yes
<i>Eriastrum sparsiflorum</i> few-flowered eriastrum	PDPLM030B2	None	None	G5/S4	4.3		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Eriastrum tracyi</i> Tracy's eriastrum	PDPLM030C0	None	Rare	G3Q/S3	3.2	USFS:S	No	Yes
<i>Eriastrum virgatum</i> virgate eriastrum	PDPLM030D0	None	None	G3/S3	4.3		No	No
<i>Ericameria albida</i> white-flowered rabbitbrush	PDAST2C010	None	None	G4/S3	4.2		No	No
<i>Ericameria cuneata</i> var. <i>macrocephala</i> Laguna Mountains goldenbush	PDAST3L062	None	None	G5T2T3/S2S3	1B.3		No	Yes
<i>Ericameria fasciculata</i> Eastwood's goldenbush	PDAST3L080	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Ericameria gilmanii</i> Gilman's goldenbush	PDAST3L0P0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Ericameria nana</i> dwarf goldenbush	PDAST3L0B0	None	None	G5/S4	4.3		No	No
<i>Ericameria ophitidis</i> serpentine goldenbush	PDAST3L0S0	None	None	G4/S4	4.3		No	No
<i>Ericameria palmeri</i> var. <i>palmeri</i> Palmer's goldenbush	PDAST3L0C1	None	None	G4T2?/S2	1B.1	BLM:S	Yes	Yes
<i>Erigeron aequifolius</i> Hall's daisy	PDAST3M030	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Erigeron biolettii</i> streamside daisy	PDAST3M5H0	None	None	G3?/S3?	3		No	No
<i>Erigeron blochmaniae</i> Blochman's leafy daisy	PDAST3M5J0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Erigeron bloomeri</i> var. <i>nudatus</i> Waldo daisy	PDAST3M0M2	None	None	G5T4/S3	2B.3		No	Yes
<i>Erigeron breweri</i> var. <i>jacinteus</i> San Jacinto Mountains daisy	PDAST3M0P3	None	None	G5T3/S3	4.3		Yes	No
<i>Erigeron calvus</i> bald daisy	PDAST3M5N0	None	None	G1Q/S1	1B.1	BLM:S	No	Yes
<i>Erigeron cervinus</i> Siskiyou daisy	PDAST3M0U0	None	None	G4/S4	4.3		No	No
<i>Erigeron compactus</i> compact daisy	PDAST3M5Z0	None	None	G3/S3	2B.3		No	Yes
<i>Erigeron eatonii</i> var. <i>nevadincola</i> Nevada daisy	PDAST3M2U0	None	None	G5T2T3/S2S3	2B.3		No	Yes
<i>Erigeron elegantulus</i> volcanic daisy	PDAST3M190	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Erigeron greenei</i> Greene's narrow-leaved daisy	PDAST3M5G0	None	None	G3/S3	1B.2		No	Yes
<i>Erigeron inornatus</i> var. <i>calidipetris</i> hot rock daisy	PDAST3M1Z1	None	None	G5T3/S3	4.3		No	No
<i>Erigeron inornatus</i> var. <i>keilii</i> Keil's daisy	PDAST3M1Z2	None	None	G5T2/S2	1B.3		No	Yes
<i>Erigeron lassenianus</i> var. <i>deficiens</i> Plumas rayless daisy	PDAST3M262	None	None	G3G4T2T3/S2 S3	1B.3		No	Yes
<i>Erigeron maniopotamicus</i> Mad River fleabane daisy	PDASTE1050	None	None	G2?/S2?	1B.2	USFS:S	No	Yes
<i>Erigeron mariposanus</i> Mariposa daisy	PDAST3M5L0	None	None	GH/SH	1A		No	Yes
<i>Erigeron miser</i> starved daisy	PDAST3M2K0	None	None	G3?/S3?	1B.3	USFS:S	No	Yes
<i>Erigeron multiceps</i> Kern River daisy	PDAST3M2N0	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Erigeron nivalis</i> snow fleabane daisy	PDASTE1060	None	None	G4G5/S3	2B.3		No	Yes
<i>Erigeron oxyphyllus</i> wand-like fleabane daisy	PDAST3M2Z0	None	None	G4/S2	2B.3		No	Yes
<i>Erigeron parishii</i> Parish's daisy	PDAST3M310	Threatened	None	G2/S2	1B.1		Yes	Yes
<i>Erigeron petrophilus</i> var. <i>sierrensis</i> northern Sierra daisy	PDAST3M351	None	None	G4T4/S4	4.3		No	No
<i>Erigeron petrophilus</i> var. <i>viscidulus</i> Klamath rock daisy	PDAST3M352	None	None	G4T4/S4	4.3		No	No
<i>Erigeron robustior</i> robust daisy	PDAST3M134	None	None	G3/S3	4.3		No	No
<i>Erigeron sanctarum</i> saints' daisy	PDAST3M3R0	None	None	G3/S3	4.2		No	No
<i>Erigeron serpentinus</i> serpentine daisy	PDAST3M5M0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Erigeron supplex</i> supple daisy	PDAST3M3Z0	None	None	G2/S2	1B.2		No	Yes
<i>Erigeron uncialis</i> var. <i>uncialis</i> limestone daisy	PDAST3M452	None	None	G3G4T2/S2	1B.2	USFS:S	No	Yes
<i>Erigeron utahensis</i> Utah daisy	PDAST3M480	None	None	G4/S2	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Eriodictyon altissimum</i> Indian Knob mountainbalm	PDHYD04010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Eriodictyon angustifolium</i> narrow-leaved yerba santa	PDHYD04020	None	None	G5/S3	2B.3		No	Yes
<i>Eriodictyon capitatum</i> Lompoc yerba santa	PDHYD04040	Endangered	Rare	G2/S2	1B.2		Yes	Yes
<i>Eriodictyon sessilifolium</i> sessile-leaved yerba santa	PDHYD040A0	None	None	G4/S1	2B.1		No	Yes
<i>Eriogonum alexandrae</i> Alexander's buckwheat	PDPGN084C5	None	None	G2G3/S1	1B.1	BLM:S	No	Yes
<i>Eriogonum alpinum</i> Trinity buckwheat	PDPGN08060	None	Endangered	G2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum apricum</i> var. <i>apricum</i> lone buckwheat	PDPGN080F1	Endangered	Endangered	G2T1/S1	1B.1		Yes	Yes
<i>Eriogonum apricum</i> var. <i>prostratum</i> Irish Hill buckwheat	PDPGN080F2	Endangered	Endangered	G2T1/S1	1B.1		No	Yes
<i>Eriogonum argillosum</i> clay buckwheat	PDPGN080J0	None	None	G3G4/S3S4	4.3		No	No
<i>Eriogonum baileyi</i> var. <i>praebens</i> Bailey's woolly buckwheat	PDPGN080M2	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum bifurcatum</i> forked buckwheat	PDPGN080R0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Eriogonum breedlovei</i> var. <i>breedlovei</i> Breedlove's buckwheat	PDPGN080V1	None	None	G3T2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum breedlovei</i> var. <i>shevockii</i> The Needles buckwheat	PDPGN080V2	None	None	G3T3/S3	4.3		No	Yes
<i>Eriogonum butterworthianum</i> Butterworth's buckwheat	PDPGN080X0	None	Rare	G2/S2	1B.3	USFS:S	No	Yes
<i>Eriogonum callistum</i> Tehachapi buckwheat	PDPGN08790	None	None	G1/S1	1B.1		Yes	Yes
<i>Eriogonum cedrorum</i> The Cedars buckwheat	PDPGN087A0	None	None	G1/S1	1B.3	BLM:S	Yes	Yes
<i>Eriogonum collinum</i> hill buckwheat	PDPGN08160	None	None	G4/S3	4.3		No	No
<i>Eriogonum congdonii</i> Congdon's buckwheat	PDPGN081A0	None	None	G4/S4	4.3		No	No
<i>Eriogonum contiguum</i> Reveal's buckwheat	PDPGN081B0	None	None	G3/S2	2B.3	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Eriogonum crocatum</i> conejo buckwheat	PDPGN081G0	None	Rare	G1/S1	1B.2		Yes	Yes
<i>Eriogonum diclinum</i> Jaynes Canyon buckwheat	PDPGN081S0	None	None	G3/S3	2B.3		No	Yes
<i>Eriogonum eastwoodianum</i> Eastwood's buckwheat	PDPGN081V0	None	None	G2/S2	1B.3		No	Yes
<i>Eriogonum elegans</i> elegant wild buckwheat	PDPGN081Y0	None	None	G3G4/S3S4	4.3		No	No
<i>Eriogonum eremicola</i> Wildrose Canyon buckwheat	PDPGN08210	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Eriogonum evanidum</i> vanishing wild buckwheat	PDPGN08780	None	None	G2/S1	1B.1	USFS:S	Yes	Yes
<i>Eriogonum giganteum</i> var. <i>compactum</i> Santa Barbara Island buckwheat	PDPGN082A1	None	Rare	G2T2/S2	1B.3		Yes	Yes
<i>Eriogonum giganteum</i> var. <i>formosum</i> San Clemente Island buckwheat	PDPGN082A2	None	None	G3T3?/S3?	1B.2		Yes	Yes
<i>Eriogonum giganteum</i> var. <i>giganteum</i> Santa Catalina Island buckwheat	PDPGN082A3	None	None	G3T3/S3	4.3		Yes	No
<i>Eriogonum gilmanii</i> Gilman's buckwheat	PDPGN082B0	None	None	G3/S3	1B.3		No	Yes
<i>Eriogonum gossypinum</i> cottony buckwheat	PDPGN082E0	None	None	G3G4/S3S4	4.2		No	No
<i>Eriogonum grande</i> var. <i>grande</i> island buckwheat	PDPGN082J1	None	None	G4T4/S4	4.2		Yes	No
<i>Eriogonum grande</i> var. <i>rubescens</i> red-flowered buckwheat	PDPGN082J2	None	None	G4T3/S3	1B.2		No	Yes
<i>Eriogonum grande</i> var. <i>timorum</i> San Nicolas Island buckwheat	PDPGN082J3	None	Endangered	G4T1/S1	1B.1		No	Yes
<i>Eriogonum heermannii</i> var. <i>floccosum</i> Clark Mountain buckwheat	PDPGN082P3	None	None	G5T4/S4	4.3		Yes	No
<i>Eriogonum heermannii</i> var. <i>occidentale</i> western Heermann's buckwheat	PDPGN082P6	None	None	G5T2/S2	1B.2		No	Yes
<i>Eriogonum heracleoides</i> var. <i>heracleoides</i> parsnip-flowered buckwheat	PDPGN082R2	None	None	G5T5/S3	4.3		No	No
<i>Eriogonum hirtellum</i> Klamath Mountain buckwheat	PDPGN082T0	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Eriogonum hoffmannii</i> var. <i>hoffmannii</i> Hoffmann's buckwheat	PDPGN082V1	None	None	G3T2/S2	1B.3	BLM:S	No	Yes
<i>Eriogonum hoffmannii</i> var. <i>robustius</i> robust Hoffmann's buckwheat	PDPGN082V2	None	None	G3T3/S3	1B.3		No	Yes
<i>Eriogonum intrafractum</i> jointed buckwheat	PDPGN08360	None	None	G3/S3	1B.3		No	Yes
<i>Eriogonum kelloggii</i> Kellogg's buckwheat	PDPGN083A0	None	Endangered	G2/S2	1B.2	BLM:S	No	Yes
<i>Eriogonum kennedyi</i> var. <i>alpigenum</i> southern alpine buckwheat	PDPGN083B1	None	None	G4T3/S3	1B.3	USFS:S	No	Yes
<i>Eriogonum kennedyi</i> var. <i>austromontanum</i> southern mountain buckwheat	PDPGN083B2	Threatened	None	G4T2/S2	1B.2		Yes	Yes
<i>Eriogonum kennedyi</i> var. <i>pinicola</i> Kern buckwheat	PDPGN083B4	None	None	G4T1/S1	1B.1	BLM:S	No	Yes
<i>Eriogonum libertini</i> Dubakella Mountain buckwheat	PDPGN083M0	None	None	G4/S4	4.2		No	No
<i>Eriogonum luteolum</i> var. <i>caninum</i> Tiburon buckwheat	PDPGN083S1	None	None	G5T2/S2	1B.2		No	Yes
<i>Eriogonum luteolum</i> var. <i>saltuarium</i> Jack's wild buckwheat	PDPGN083S4	None	None	G5T1/S1	1B.2	USFS:S	No	Yes
<i>Eriogonum mensicola</i> Pinyon Mesa buckwheat	PDPGN084H1	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Eriogonum microthecum</i> var. <i>alpinum</i> alpine slender buckwheat	PDPGN083WA	None	None	G5T3/S3	4.3		No	No
<i>Eriogonum microthecum</i> var. <i>johnstonii</i> Johnston's buckwheat	PDPGN083W5	None	None	G5T2/S2	1B.3	USFS:S	Yes	Yes
<i>Eriogonum microthecum</i> var. <i>lacusursi</i> Bear Lake buckwheat	PDPGN083WF	None	None	G5T1/S1	1B.1	USFS:S	Yes	Yes
<i>Eriogonum microthecum</i> var. <i>lapidicola</i> Inyo Mountains buckwheat	PDPGN083W6	None	None	G5T4/S3	4.3		No	No
<i>Eriogonum microthecum</i> var. <i>panamintense</i> Panamint Mountains buckwheat	PDPGN083W9	None	None	G5T3/S3	1B.3	BLM:S	No	Yes
<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i> Schoolcraft's wild buckwheat	PDPGN083WG	None	None	G5T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Eriogonum nervulosum</i> Snow Mountain buckwheat	PDPGN08440	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Eriogonum nortonii</i> Pinnacles buckwheat	PDPGN08470	None	None	G2/S2	1B.3		No	Yes
<i>Eriogonum nudum var. decurrens</i> Ben Lomond buckwheat	PDPGN08492	None	None	G5T1/S1	1B.1		No	Yes
<i>Eriogonum nudum var. indictum</i> protruding buckwheat	PDPGN08494	None	None	G5T4/S4	4.2		No	No
<i>Eriogonum nudum var. murinum</i> mouse buckwheat	PDPGN08495	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Eriogonum nudum var. paralinum</i> Del Norte buckwheat	PDPGN08498	None	None	G5T2/S1	2B.2		No	Yes
<i>Eriogonum nudum var. psychicola</i> Antioch Dunes buckwheat	PDPGN0849Q	None	None	G5T1/S1	1B.1		No	Yes
<i>Eriogonum nudum var. regirivum</i> Kings River buckwheat	PDPGN0849F	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum nutans var. nutans</i> Dugway wild buckwheat	PDPGN084B2	None	None	G5T3T4/S2?	2B.3		No	Yes
<i>Eriogonum ochrocephalum var. ochrocephalum</i> ochre-flowered buckwheat	PDPGN084C6	None	None	G5T3?/S1	2B.2		No	Yes
<i>Eriogonum ovalifolium var. depressum</i> depressed wild buckwheat	PDPGN084FF	None	None	G5T4T5/S1	2B.1		No	Yes
<i>Eriogonum ovalifolium var. eximium</i> brown-margined buckwheat	PDPGN084FD	None	None	G5T2/S2	4.3		No	No
<i>Eriogonum ovalifolium var. monarchense</i> Monarch buckwheat	PDPGN084FJ	None	None	G5T1/S1	1B.1	USFS:S	No	Yes
<i>Eriogonum ovalifolium var. vineum</i> Cushenbury buckwheat	PDPGN084F8	Endangered	None	G5T1/S1	1B.1		Yes	Yes
<i>Eriogonum pendulum</i> Waldo wild buckwheat	PDPGN084Q0	None	None	G4/S2S3	2B.2		No	Yes
<i>Eriogonum polypodium</i> Tulare County buckwheat	PDPGN084U0	None	None	G4/S4	4.3		No	No
<i>Eriogonum prattenianum var. avium</i> Kettle Dome buckwheat	PDPGN084V1	None	None	G4T3/S3	4.2		No	No
<i>Eriogonum prociduum</i> prostrate buckwheat	PDPGN084W0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Eriogonum pyrolifolium var. pyrolifolium</i> pyrola-leaved buckwheat	PDPGN084Z2	None	None	G4T4/S3	2B.3		No	Yes
<i>Eriogonum shockleyi var. shockleyi</i> Shockley's buckwheat	PDPGN085E2	None	None	G5T4?/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Eriogonum siskiyouense</i> Siskiyou buckwheat	PDPGN085F0	None	None	G3/S3	4.3		No	No
<i>Eriogonum spectabile</i> Barron's buckwheat	PDPGN08750	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Eriogonum spergulinum</i> var. <i>pratense</i> mountain meadow wild buckwheat	PDPGN085J1	None	None	G4T3/S3	4.3		No	No
<i>Eriogonum strictum</i> var. <i>greenei</i> Greene's buckwheat	PDPGN085L3	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum temblorense</i> Temblor buckwheat	PDPGN085P0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Eriogonum ternatum</i> ternate buckwheat	PDPGN085R0	None	None	G4/S4	4.3		No	No
<i>Eriogonum thornei</i> Thorne's buckwheat	PDPGN08233	None	Endangered	G1/S1	1B.2	BLM:S	No	Yes
<i>Eriogonum tripodum</i> tripod buckwheat	PDPGN085Y0	None	None	G4/S4	4.2	USFS:S	No	No
<i>Eriogonum truncatum</i> Mt. Diablo buckwheat	PDPGN085Z0	None	None	G1/S1	1B.1		No	Yes
<i>Eriogonum twisselmannii</i> Twisselmann's buckwheat	PDPGN08610	None	Rare	G2/S2	1B.2	USFS:S	No	Yes
<i>Eriogonum umbellatum</i> var. <i>ahartii</i> Ahart's buckwheat	PDPGN086UY	None	None	G5T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Eriogonum umbellatum</i> var. <i>bahiiforme</i> bay buckwheat	PDPGN086UB	None	None	G5T3/S3	4.2		No	No
<i>Eriogonum umbellatum</i> var. <i>glaberrimum</i> Warner Mountains buckwheat	PDPGN086U2	None	None	G5T2?/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Eriogonum umbellatum</i> var. <i>humistratum</i> Mt. Eddy buckwheat	PDPGN086U4	None	None	G5T4/S4	4.3		No	No
<i>Eriogonum umbellatum</i> var. <i>juniporinum</i> juniper sulphur-flowered buckwheat	PDPGN086U6	None	None	G5T4/S3	2B.3		Yes	Yes
<i>Eriogonum umbellatum</i> var. <i>lautum</i> Scott Valley buckwheat	PDPGN086UX	None	None	G5T1/S1	1B.1		No	Yes
<i>Eriogonum umbellatum</i> var. <i>minus</i> alpine sulphur-flowered buckwheat	PDPGN086U7	None	None	G5T4/S4	4.3		Yes	No
<i>Eriogonum umbellatum</i> var. <i>torreyanum</i> Donner Pass buckwheat	PDPGN086U9	None	None	G5T2/S2	1B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Eriogonum ursinum</i> var. <i>erubescens</i> blushing wild buckwheat	PDPGN08632	None	None	G3G4T3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Eriogonum vestitum</i> Idria buckwheat	PDPGN08640	None	None	G3/S3	4.3		No	No
<i>Eriogonum wrightii</i> var. <i>olanchense</i> Olancha Peak buckwheat	PDPGN086D3	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Erioneuron pilosum</i> hairy erioneuron	PMPOA2S020	None	None	G5/S3	2B.3		No	Yes
<i>Eriophorum gracile</i> slender cottongrass	PMCYP0A080	None	None	G5/S4	4.3		No	No
<i>Eriophyllum confertiflorum</i> var. <i>tanacetiflorum</i> tansy-flowered woolly sunflower	PDAST3N0D0	None	None	G5T2?Q/S2?	4.3		No	No
<i>Eriophyllum congdonii</i> Congdon's woolly sunflower	PDAST3N030	None	Rare	G2/S2	1B.2	USFS:S	No	Yes
<i>Eriophyllum jepsonii</i> Jepson's woolly sunflower	PDAST3N040	None	None	G3/S3	4.3		No	No
<i>Eriophyllum lanatum</i> var. <i>hallii</i> Fort Tejon woolly sunflower	PDAST3N058	None	None	G5T1/S1	1B.1	USFS:S	No	Yes
<i>Eriophyllum lanatum</i> var. <i>obovatum</i> southern Sierra woolly sunflower	PDAST3N05D	None	None	G5T4/S4	4.3		Yes	No
<i>Eriophyllum latilobum</i> San Mateo woolly sunflower	PDAST3N060	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Eriophyllum mohavense</i> Barstow woolly sunflower	PDAST3N070	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Eriophyllum nubigenum</i> Yosemite woolly sunflower	PDAST3N0A0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Eryngium aristulatum</i> var. <i>hooveri</i> Hoover's button-celery	PDAP10Z043	None	None	G5T1/S1	1B.1		Yes	Yes
<i>Eryngium aristulatum</i> var. <i>parishii</i> San Diego button-celery	PDAP10Z042	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Eryngium constancei</i> Loch Lomond button-celery	PDAP10Z0W0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Eryngium jepsonii</i> Jepson's coyote-thistle	PDAP10Z130	None	None	G2/S2	1B.2		No	Yes
<i>Eryngium pendletonense</i> Pendleton button-celery	PDAP10Z120	None	None	G1/S1	1B.1		No	Yes
<i>Eryngium pinnatisectum</i> Tuolumne button-celery	PDAP10Z0P0	None	None	G2/S2	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Eryngium racemosum</i> Delta button-celery	PDAPI0Z0S0	None	Endangered	G1/S1	1B.1		No	Yes
<i>Eryngium spinosepalum</i> spiny-sepaled button-celery	PDAPI0Z0Y0	None	None	G2/S2	1B.2		No	Yes
<i>Erysimum ammophilum</i> sand-loving wallflower	PDBRA16010	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Erysimum capitatum</i> var. <i>angustatum</i> Contra Costa wallflower	PDBRA16052	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Erysimum capitatum</i> var. <i>lompopense</i> San Luis Obispo wallflower	PDBRA16057	None	None	G5T3/S3	4.2		No	No
<i>Erysimum concinnum</i> bluff wallflower	PDBRA160E3	None	None	G3/S2	1B.2		No	Yes
<i>Erysimum franciscanum</i> San Francisco wallflower	PDBRA160A0	None	None	G3/S3	4.2		No	No
<i>Erysimum insulare</i> island wallflower	PDBRA160D1	None	None	G3/S3	1B.3		Yes	Yes
<i>Erysimum menziesii</i> Menzies' wallflower	PDBRA160R0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Erysimum suffrutescens</i> suffrutescent wallflower	PDBRA160D2	None	None	G3/S3	4.2		Yes	No
<i>Erysimum teretifolium</i> Santa Cruz wallflower	PDBRA160N0	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Erythranthe acutidens</i> Kings River monkeyflower	PDSCR1B010	None	None	G2?Q/S2?	3		No	No
<i>Erythranthe calcicola</i> limestone monkeyflower	PDPHR01010	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Erythranthe carsonensis</i> Carson Valley monkeyflower	PDPHR01020	None	None	G2/S1	1B.1		No	Yes
<i>Erythranthe diffusa</i> Palomar monkeyflower	PDSCR1B0Z0	None	None	G4/S3	4.3		Yes	No
<i>Erythranthe exigua</i> San Bernardino Mountains monkeyflower	PDSCR1B140	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Erythranthe filicaulis</i> slender-stemmed monkeyflower	PDSCR1B150	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Erythranthe filicifolia</i> fern-leaved monkeyflower	PDPHR01150	None	None	G2/S2	1B.2		No	Yes
<i>Erythranthe glaucescens</i> shield-bracted monkeyflower	PDSCR1B1B0	None	None	G3G4/S3S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Erythranthe gracilipes</i> slender-stalked monkeyflower	PDSCR1B1C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Erythranthe grayi</i> Gray's monkeyflower	PDSCR1B1D0	None	None	G2G3Q/S2S3	4.3		No	No
<i>Erythranthe hardhamiae</i> Santa Lucia monkeyflower	PDPHR01030	None	None	G1/S1	1B.1		No	Yes
<i>Erythranthe inconspicua</i> small-flowered monkeyflower	PDSCR1B1F0	None	None	G4/S4	4.3		No	No
<i>Erythranthe inflatula</i> ephemeral monkeyflower	PDSCR1B370	None	None	G3/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Erythranthe laciniata</i> cut-leaved monkeyflower	PDSCR1B1L0	None	None	G4/S4	4.3		No	No
<i>Erythranthe marmorata</i> Stanislaus monkeyflower	PDPHR01130	None	None	G2?/S2?	1B.1		No	Yes
<i>Erythranthe norrisii</i> Kaweah monkeyflower	PDSCR1B2Y0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Erythranthe nudata</i> bare monkeyflower	PDSCR1B200	None	None	G4/S4	4.3		No	No
<i>Erythranthe percaulis</i> Serpentine Canyon monkeyflower	PDPHR01140	None	None	G1/S1	1B.1		No	Yes
<i>Erythranthe purpurea</i> little purple monkeyflower	PDSCR1B2B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Erythranthe rhodopetra</i> Red Rock Canyon monkeyflower	PDPHR01040	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Erythranthe shevockii</i> Kelso Creek monkeyflower	PDSCR1B2Z0	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Erythranthe sierrae</i> Sierra Nevada monkeyflower	PDPHR01060	None	None	G2/S2	4.2		No	No
<i>Erythranthe taylorii</i> Shasta limestone monkeyflower	PDPHR01080	None	None	G2/S2	1B.1		No	Yes
<i>Erythranthe trinitiensis</i> pink-margined monkeyflower	PDPHR01070	None	None	G3/S3	1B.3		No	Yes
<i>Erythranthe utahensis</i> Utah monkeyflower	PDSCR1B1A6	None	None	G4G5/S1	2B.1		No	Yes
<i>Erythronium citrinum</i> var. <i>citrinum</i> lemon-colored fawn lily	PMLIL0U041	None	None	G4T3T4/S3	4.3		No	No
<i>Erythronium citrinum</i> var. <i>roderickii</i> Scott Mountains fawn lily	PMLIL0U042	None	None	G4T3/S3	1B.3	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Erythronium helena</i> St. Helena fawn lily	PMLIL0U060	None	None	G3/S3	4.2		No	No
<i>Erythronium hendersonii</i> Henderson's fawn lily	PMLIL0U070	None	None	G4/S2	2B.3	USFS:S	No	Yes
<i>Erythronium howellii</i> Howell's fawn lily	PMLIL0U080	None	None	G3G4/S2	1B.3		No	Yes
<i>Erythronium klamathense</i> Klamath fawn lily	PMLIL0U090	None	None	G4/S2	2B.2		No	Yes
<i>Erythronium oregonum</i> giant fawn lily	PMLIL0U0C0	None	None	G4G5/S2	2B.2		No	Yes
<i>Erythronium pluriflorum</i> Shuteye Peak fawn lily	PMLIL0U0Q0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Erythronium pusaterii</i> Kaweah fawn lily	PMLIL0U0R0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Erythronium revolutum</i> coast fawn lily	PMLIL0U0F0	None	None	G4G5/S3	2B.2		No	Yes
<i>Erythronium shastense</i> Shasta fawn lily	PMLIL0U0V0	None	None	G2/S2	1B.2		No	Yes
<i>Erythronium taylorii</i> Pilot Ridge fawn lily	PMLIL0U0S0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Erythronium tuolumnense</i> Tuolumne fawn lily	PMLIL0U0H0	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Eschscholzia androuxii</i> Joshua Tree poppy	PDPAP0A0E0	None	None	G3/S3	4.3		No	No
<i>Eschscholzia hypocoides</i> San Benito poppy	PDPAP0A060	None	None	G4/S4	4.3		No	No
<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i> Tejon poppy	PDPAP0A071	None	None	G5T2/S2	1B.1		Yes	Yes
<i>Eschscholzia minutiflora</i> ssp. <i>twisselmannii</i> Red Rock poppy	PDPAP0A093	None	None	G5T2/S2	1B.2	BLM:S	Yes	Yes
<i>Eschscholzia procera</i> Kernville poppy	PDPAP0A0B0	None	None	G1?Q/S1?	3		Yes	No
<i>Eschscholzia ramosa</i> island poppy	PDPAP0A0C0	None	None	G4/S4	4.3		Yes	No
<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy	PDPAP0A0D0	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Eucephalus vialis</i> wayside aster	PDASTEC0A0	None	None	G3/S1	1B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Eucnide rupestris</i> annual rock-nettle	PDLOA02020	None	None	G3/S1	2B.2		No	Yes
<i>Euphorbia abramsiana</i> Abrams' spurge	PDEUP0D010	None	None	G4/S2	2B.2		Yes	Yes
<i>Euphorbia arizonica</i> Arizona spurge	PDEUP0D060	None	None	G5/S3	2B.3		No	Yes
<i>Euphorbia exstipulata</i> var. <i>exstipulata</i> Clark Mountain spurge	PDEUP0Q0P1	None	None	G5T5?/S2	2B.1		Yes	Yes
<i>Euphorbia hooveri</i> Hoover's spurge	PDEUP0D150	Threatened	None	G1/S1	1B.2		No	Yes
<i>Euphorbia jaegeri</i> Orocopia Mountains spurge	PDEUP0Q440	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Euphorbia misera</i> cliff spurge	PDEUP0Q1B0	None	None	G5/S2	2B.2		Yes	Yes
<i>Euphorbia ocellata</i> ssp. <i>rattanii</i> Stony Creek spurge	PDEUP0D1P1	None	None	G4T3/S3	1B.2	BLM:S	No	Yes
<i>Euphorbia parryi</i> Parry's spurge	PDEUP0D1T0	None	None	G5/S1	2B.3		No	Yes
<i>Euphorbia platysperma</i> flat-seeded spurge	PDEUP0D1X0	None	None	G3/S1	1B.2	BLM:S	No	Yes
<i>Euphorbia revoluta</i> revolute spurge	PDEUP0D230	None	None	G5/S4	4.3		Yes	No
<i>Euphorbia vallis-mortae</i> Death Valley sandmat	PDEUP0D2G0	None	None	G3/S3	4.2		No	No
<i>Euphrosyne acerosa</i> copperwort	PDAST58010	None	None	G4G5/S3	4.2		No	No
<i>Euphrosyne nevadensis</i> Nevada wormwood	PDAST580D0	None	None	G4/S3	4.3		No	No
<i>Eurybia merita</i> subalpine aster	PDASTEB030	None	None	G5/SH	2B.3		No	Yes
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Fendlerella utahensis</i> yerba desierto	PDHDR08010	None	None	G5/S4	4.3		Yes	No
<i>Ferocactus viridescens</i> San Diego barrel cactus	PDCAC08060	None	None	G3?/S2S3	2B.1		Yes	Yes
<i>Festuca minutiflora</i> small-flowered fescue	PMPOA2V1M0	None	None	G5/S2	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Fimbristylis thermalis</i> hot springs fimbristylis	PMCYP0B0N0	None	None	G4/S1S2	2B.2		No	Yes
<i>Frangula purshiana</i> ssp. <i>ultramafica</i> Caribou coffeeberry	PDRHA0H061	None	None	G4T2T3/S2S3	1B.2	USFS:S	No	Yes
<i>Frankenia palmeri</i> Palmer's frankenia	PDFRA01040	None	None	G3?/S1	2B.1		No	Yes
<i>Frasera albomarginata</i> var. <i>albomarginata</i> desert green-gentian	PDGEN05021	None	None	G5T5/S3	2B.2		No	Yes
<i>Frasera albomarginata</i> var. <i>induta</i> Clark Mountain green-gentian	PDGEN05022	None	None	G5T2/S1	1B.2		No	Yes
<i>Frasera neglecta</i> pine green-gentian	PDGEN05080	None	None	G4/S4	4.3		Yes	No
<i>Frasera tubulosa</i> Coville's green-gentian	PDGEN050E0	None	None	G3/S3	4.3		No	No
<i>Frasera umpquaensis</i> Umpqua green-gentian	PDGEN050F0	None	None	G3Q/S1	2B.2	USFS:S	No	Yes
<i>Fraxinus parryi</i> chaparral ash	PDOLE040K0	None	None	G3?/S1	2B.2		No	Yes
<i>Fremontodendron decumbens</i> Pine Hill flannelbush	PDSTE03030	Endangered	Rare	G1/S1	1B.2		Yes	Yes
<i>Fremontodendron mexicanum</i> Mexican flannelbush	PDSTE03020	Endangered	Rare	G2/S1	1B.1		Yes	Yes
<i>Fritillaria agrestis</i> stinkbells	PMLIL0V010	None	None	G3/S3	4.2		No	Yes
<i>Fritillaria biflora</i> var. <i>ineziana</i> Hillsborough chocolate lily	PMLIL0V031	None	None	G3G4T1/S1	1B.1		Yes	Yes
<i>Fritillaria brandegeei</i> Greenhorn fritillary	PMLIL0V040	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Fritillaria eastwoodiae</i> Butte County fritillary	PMLIL0V060	None	None	G3Q/S3	3.2	USFS:S	No	Yes
<i>Fritillaria falcata</i> talus fritillary	PMLIL0V070	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Fritillaria gentneri</i> Gentner's fritillary	PMLIL0V080	Endangered	None	G1/S1	1B.1		No	Yes
<i>Fritillaria glauca</i> Siskiyou fritillaria	PMLIL0V090	None	None	G3G4/S3	4.2		No	No
<i>Fritillaria lanceolata</i> var. <i>tristulis</i> Marin checker lily	PMLIL0V0P1	None	None	G5T2/S2	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Fritillaria liliacea</i> fragrant fritillary	PMLIL0V0C0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Fritillaria ojaiensis</i> Ojai fritillary	PMLIL0V0N0	None	None	G2?/S2?	1B.2	BLM:S USFS:S	No	Yes
<i>Fritillaria pinetorum</i> pine fritillary	PMLIL0V0E0	None	None	G4/S4	4.3		Yes	No
<i>Fritillaria pluriflora</i> adobe-lily	PMLIL0V0F0	None	None	G2G3/S2S3	1B.2	BLM:S	Yes	Yes
<i>Fritillaria purdyi</i> Purdy's fritillary	PMLIL0V0H0	None	None	G4/S4	4.3		No	No
<i>Fritillaria roderickii</i> Roderick's fritillary	PMLIL0V0M0	None	Endangered	G1Q/S1	1B.1		Yes	Yes
<i>Fritillaria striata</i> striped adobe-lily	PMLIL0V0K0	None	Threatened	G2?/S2?	1B.1	BLM:S USFS:S	Yes	Yes
<i>Fritillaria viridea</i> San Benito fritillary	PMLIL0V0L0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Funastrum crispum</i> wavyleaf twinvine	PDASC0F020	None	None	G4/S1	2B.2		No	Yes
<i>Funastrum utahense</i> Utah vine milkweed	PDASC050M0	None	None	G4/S4	4.2		No	No
<i>Galium andrewsii ssp. gatense</i> phlox-leaf serpentine bedstraw	PDRUB0N032	None	None	G5T3/S3	4.2		No	No
<i>Galium angustifolium ssp. borregoense</i> Borrego bedstraw	PDRUB0N042	None	Rare	G5T3?/S3?	1B.3		No	Yes
<i>Galium angustifolium ssp. gabrielense</i> San Antonio Canyon bedstraw	PDRUB0N044	None	None	G5T3/S3	4.3		No	No
<i>Galium angustifolium ssp. gracillimum</i> slender bedstraw	PDRUB0N04B	None	None	G5T4/S4	4.2		No	No
<i>Galium angustifolium ssp. jacinticum</i> San Jacinto Mountains bedstraw	PDRUB0N04C	None	None	G5T2?/S2?	1B.3	USFS:S	No	Yes
<i>Galium angustifolium ssp. onycense</i> Onyx Peak bedstraw	PDRUB0N048	None	None	G5T3/S3	1B.3	BLM:S	No	Yes
<i>Galium buxifolium</i> box bedstraw	PDRUB0N0D0	Endangered	Rare	G2G3/S2S3	1B.2		Yes	Yes
<i>Galium californicum ssp. luciense</i> Cone Peak bedstraw	PDRUB0N0E3	None	None	G5T3/S3	1B.3	USFS:S	No	Yes
<i>Galium californicum ssp. miguelense</i> San Miguel Island bedstraw	PDRUB0N0E5	None	None	G5T3/S3	4.2		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Galium californicum ssp. primum</i> Alvin Meadow bedstraw	PDRUB0N0E6	None	None	G5T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Galium californicum ssp. sierrae</i> El Dorado bedstraw	PDRUB0N0E7	Endangered	Rare	G5T1/S1	1B.2		Yes	Yes
<i>Galium catalinense ssp. acrispum</i> San Clemente Island bedstraw	PDRUB0N0F1	None	Endangered	G4T3/S3	1B.3		Yes	Yes
<i>Galium catalinense ssp. catalinense</i> Santa Catalina Island bedstraw	PDRUB0N0F2	None	None	G4T2/S2	1B.3		Yes	Yes
<i>Galium clementis</i> Santa Lucia bedstraw	PDRUB0N0H0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Galium cliftonsmithii</i> Santa Barbara bedstraw	PDRUB0N0J0	None	None	G4/S4	4.3		No	No
<i>Galium glabrescens ssp. modocense</i> Modoc bedstraw	PDRUB0N0T2	None	None	G4T3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Galium grande</i> San Gabriel bedstraw	PDRUB0N0V0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Galium hardhamiae</i> Hardham's bedstraw	PDRUB0N0Y0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Galium hilendiae ssp. carneum</i> Panamint Mountains bedstraw	PDRUB0N0Z1	None	None	G4T3/S3	1B.3		No	Yes
<i>Galium hilendiae ssp. kingstonense</i> Kingston Mountains bedstraw	PDRUB0N0Z3	None	None	G4T3/S3	1B.3	BLM:S	Yes	Yes
<i>Galium hypotrachelium ssp. tomentellum</i> Telescope Peak bedstraw	PDRUB0N126	None	None	G5T1/S1	1B.3		No	Yes
<i>Galium jepsonii</i> Jepson's bedstraw	PDRUB0N130	None	None	G3/S3	4.3		No	No
<i>Galium johnstonii</i> Johnston's bedstraw	PDRUB0N140	None	None	G4/S4	4.3		No	No
<i>Galium munzii</i> Munz's bedstraw	PDRUB0N1G0	None	None	G4G5/S4	4.3		No	No
<i>Galium nuttallii ssp. insulare</i> Nuttall's island bedstraw	PDRUB0N1K1	None	None	G5?T4/S4	4.3		No	No
<i>Galium oreganum</i> Oregon bedstraw	PDRUB0N1N0	None	None	G4G5/S1S2	3		No	No
<i>Galium proliferum</i> desert bedstraw	PDRUB0N1V0	None	None	G5/S2	2B.2		No	Yes
<i>Galium serpenticum ssp. scotticum</i> Scott Mountain bedstraw	PDRUB0N1Y6	None	None	G4G5T2/S2	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Galium serpenticum</i> ssp. <i>warnerense</i> Warner Mountains bedstraw	PDRUB0N1Y8	None	None	G4G5T2T3/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Galium wrightii</i> Wright's bedstraw	PDRUB0N2F0	None	None	G5/S3	2B.3		No	Yes
<i>Gambelia speciosa</i> showy island snapdragon	PDSCR2H010	None	None	G3/S3	1B.2		Yes	Yes
<i>Gentiana affinis</i> var. <i>parvidentata</i> small-toothed prairie gentian	PDGEN06013	None	None	G5T2T4Q/S1S 3	3		No	No
<i>Gentiana fremontii</i> Fremont's gentian	PDGEN060Y0	None	None	G4/S2	2B.3	USFS:S	No	Yes
<i>Gentiana plurisetosa</i> Klamath gentian	PDGEN060V0	None	None	G2G3/S2	1B.3		No	Yes
<i>Gentiana prostrata</i> pygmy gentian	PDGEN060M0	None	None	G4G5/S1	2B.3		No	Yes
<i>Gentiana setigera</i> Mendocino gentian	PDGEN060S0	None	None	G2/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Geraea viscida</i> sticky geraea	PDAST42020	None	None	G2G3/S2	2B.2		No	Yes
<i>Geum aleppicum</i> Aleppo avens	PDROS0S010	None	None	G5/S2	2B.2		No	Yes
<i>Gilia capitata</i> ssp. <i>chamissonis</i> blue coast gilia	PDPLM040B3	None	None	G5T2/S2	1B.1		No	Yes
<i>Gilia capitata</i> ssp. <i>pacifica</i> Pacific gilia	PDPLM040B6	None	None	G5T3/S2	1B.2		No	Yes
<i>Gilia capitata</i> ssp. <i>tomentosa</i> woolly-headed gilia	PDPLM040B9	None	None	G5T1/S1	1B.1		No	Yes
<i>Gilia interior</i> inland gilia	PDPLM040Q0	None	None	G4/S4	4.3		No	No
<i>Gilia latiflora</i> ssp. <i>cuyamensis</i> Cuyama gilia	PDPLM040T2	None	None	G5?T4/S4	4.3		No	No
<i>Gilia leptantha</i> ssp. <i>leptantha</i> San Bernardino gilia	PDPLM040W1	None	None	G4T2/S2	1B.3	USFS:S	Yes	Yes
<i>Gilia leptantha</i> ssp. <i>pinetorum</i> pine gilia	PDPLM040W2	None	None	G4T4/S4	4.3		No	No
<i>Gilia mexicana</i> El Paso gilia	PDPLM04110	None	None	G4/S1	2B.3		No	Yes
<i>Gilia millefoliata</i> dark-eyed gilia	PDPLM04130	None	None	G2/S2	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Gilia nevinii</i> Nevin's gilia	PDPLM04160	None	None	G4/S4	4.3		Yes	No
<i>Gilia tenuiflora ssp. amplifaucalis</i> trumpet-throated gilia	PDPLM041P4	None	None	G3G4T3/S3	4.3		No	No
<i>Gilia tenuiflora ssp. arenaria</i> Monterey gilia	PDPLM041P2	Endangered	Threatened	G3G4T2/S2	1B.2		Yes	Yes
<i>Gilia tenuiflora ssp. hoffmannii</i> Hoffmann's slender-flowered gilia	PDPLM041P3	Endangered	None	G3G4T1/S1	1B.1		Yes	Yes
<i>Gilia yorkii</i> Monarch gilia	PDPLM04230	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Gilmania luteola</i> golden-carpet gilmania	PDPGN0A010	None	None	G2G3/S2S3	1B.3		Yes	Yes
<i>Githopsis diffusa ssp. filicaulis</i> Mission Canyon bluecup	PDCAM07023	None	None	G5T1Q/S1	3.1	USFS:S	No	Yes
<i>Githopsis pulchella ssp. serpentinicola</i> serpentine bluecup	PDCAM07053	None	None	G4T3/S3	4.3		No	No
<i>Githopsis tenella</i> delicate bluecup	PDCAM07070	None	None	G2/S2	1B.3		No	Yes
<i>Glehnia littoralis ssp. leiocarpa</i> American glehnia	PDAP113011	None	None	G5T4/S3	4.2		No	No
<i>Glossopetalon pungens</i> pungent glossopetalon	PDCRO04020	None	None	G2G3/S1	1B.2	BLM:S	No	Yes
<i>Glyceria grandis</i> American manna grass	PMPOA2Y080	None	None	G5/S3	2B.3		No	Yes
<i>Goodmania luteola</i> golden goodmania	PDPGN0B010	None	None	G3/S3	4.2		No	No
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	G2/S2	1B.2	BLM:S	No	Yes
<i>Greeneocharis circumscissa var. rosulata</i> rosette cushion cryptantha	PDBOR0A0G3	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Grindelia fraxinipratensis</i> Ash Meadows gumplant	PDAST47080	Threatened	None	G2/S1	1B.2		Yes	Yes
<i>Grindelia hallii</i> San Diego gumplant	PDAST470D4	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Grindelia hirsutula var. maritima</i> San Francisco gumplant	PDAST470D3	None	None	G5T1Q/S1	3.2		No	Yes
<i>Grusonia parishii</i> Parish's club-cholla	PDCAC0D2H0	None	None	G3G4/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Grusonia pulchella</i> beautiful cholla	PDCAC0D120	None	None	G4/S2	2B.2		No	Yes
<i>Hackelia amethystina</i> amethyst stickseed	PDBOR0G010	None	None	G4/S4	4.3		No	No
<i>Hackelia brevicula</i> Poison Canyon stickseed	PDBOR0G040	None	None	G3/S3	3.3		No	Yes
<i>Hackelia cusickii</i> Cusick's stickseed	PDBOR0G090	None	None	G4/S3	4.3		No	No
<i>Hackelia sharsmithii</i> Sharsmith's stickseed	PDBOR0G0Q0	None	None	G3/S3	2B.3		No	Yes
<i>Harmonia doris-nilesiae</i> Niles' harmonia	PDAST650L0	None	None	G2G3/S2S3	1B.1	BLM:S USFS:S	No	Yes
<i>Harmonia guggolziorum</i> Guggolz's harmonia	PDAST650M0	None	None	G1/S1	1B.1		No	Yes
<i>Harmonia hallii</i> Hall's harmonia	PDAST650A0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Harmonia nutans</i> nodding harmonia	PDAST650D0	None	None	G3/S3	4.3		No	No
<i>Harmonia stebbinsii</i> Stebbins' harmonia	PDAST650K0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Harpagonella palmeri</i> Palmer's grapplinghook	PDBOR0H010	None	None	G4/S3	4.2		Yes	Yes
<i>Hazardia cana</i> San Clemente Island hazardia	PDAST4H020	None	None	G2/S2	1B.2		No	Yes
<i>Hazardia detonsa</i> northern islands hazardia	PDAST4H030	None	None	G4/S4	4.3		Yes	No
<i>Hazardia orcuttii</i> Orcutt's hazardia	PDAST4H070	None	Threatened	G1/S1	1B.1		Yes	Yes
<i>Hecastocleis shockleyi</i> prickle-leaf	PDAST4J010	None	None	G3G4/S3S4	3		No	No
<i>Hedeoma drummondii</i> Drummond's false pennyroyal	PDLAM0M060	None	None	G5/S1	2B.2		No	Yes
<i>Hedeoma nana ssp. californica</i> California mock pennyroyal	PDLAM0M0S1	None	None	G5T4/S4	4.3		Yes	No
<i>Helianthella castanea</i> Diablo helianthella	PDAST4M020	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Helianthus exilis</i> serpentine sunflower	PDAST4N1J0	None	None	G3Q/S3	4.2		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Helianthus inexpectatus</i> Newhall sunflower	PDAST4N250	None	None	G1/S1	1B.1		Yes	Yes
<i>Helianthus niveus ssp. tephrodes</i> Algodones Dunes sunflower	PDAST4N0Z2	None	Endangered	G4T2T3/S1	1B.2	BLM:S	Yes	Yes
<i>Helianthus nuttallii ssp. parishii</i> Los Angeles sunflower	PDAST4N102	None	None	G5TH/SH	1A		No	Yes
<i>Helianthus winteri</i> Winter's sunflower	PDAST4N260	None	None	G1G2/S1S2	1B.2		No	Yes
<i>Hemieva ranunculifolia</i> buttercup-leaf suksdorfia	PDSAX0W010	None	None	G5/S2	2B.2		No	Yes
<i>Hemizonia congesta ssp. calyculata</i> Mendocino tarplant	PDAST4R063	None	None	G5T3/S3	4.3		No	No
<i>Hemizonia congesta ssp. congesta</i> congested-headed hayfield tarplant	PDAST4R065	None	None	G5T1T2/S1S2	1B.2		No	Yes
<i>Hemizonia congesta ssp. tracyi</i> Tracy's tarplant	PDAST4R067	None	None	G5T4/S4	4.3		No	No
<i>Herissantia crispa</i> curly herissantia	PDMAL0F010	None	None	G5/S1	2B.3		No	Yes
<i>Hesperervax caulescens</i> hogwallow starfish	PDASTE5020	None	None	G3/S3	4.2		No	No
<i>Hesperervax sparsiflora var. brevifolia</i> short-leaved evax	PDASTE5011	None	None	G4T3/S2	1B.2	BLM:S	No	Yes
<i>Hesperidanthus jaegeri</i> Jaeger's hesperidanthus	PDBRA0N010	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Hesperocyparis abramsiana var. abramsiana</i> Santa Cruz cypress	PGCUP04081	Threatened	Endangered	G1T1/S1	1B.2		No	Yes
<i>Hesperocyparis abramsiana var. butanoensis</i> Butano Ridge cypress	PGCUP04082	Threatened	Endangered	G1T1/S1	1B.2		No	Yes
<i>Hesperocyparis bakeri</i> Baker cypress	PGCUP04020	None	None	G4/S4	4.2		Yes	No
<i>Hesperocyparis forbesii</i> Tecate cypress	PGCUP040C0	None	None	G2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Hesperocyparis goveniana</i> Gowen cypress	PGCUP04031	Threatened	None	G1/S1	1B.2		Yes	Yes
<i>Hesperocyparis macrocarpa</i> Monterey cypress	PGCUP04060	None	None	G1/S1	1B.2		Yes	Yes
<i>Hesperocyparis nevadensis</i> Piute cypress	PGCUP04012	None	None	G2/S2	1B.2	BLM:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Hesperocyparis pygmaea</i> pygmy cypress	PGCUP04032	None	None	G1/S1	1B.2		Yes	Yes
<i>Hesperocyparis stephensonii</i> Cuyamaca cypress	PGCUP040B0	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Hesperolinon adenophyllum</i> glandular western flax	PDLIN01010	None	None	G2G3/S2S3	1B.2	BLM:S	No	Yes
<i>Hesperolinon bicarpellatum</i> two-carpellate western flax	PDLIN01020	None	None	G2/S2	1B.2		No	Yes
<i>Hesperolinon breweri</i> Brewer's western flax	PDLIN01030	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Hesperolinon congestum</i> Marin western flax	PDLIN01060	Threatened	Threatened	G1/S1	1B.1		Yes	Yes
<i>Hesperolinon didymocarpum</i> Lake County western flax	PDLIN01070	None	Endangered	G1/S1	1B.2	BLM:S	No	Yes
<i>Hesperolinon drymarioides</i> drymaria-like western flax	PDLIN01090	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Hesperolinon sharsmithiae</i> Sharsmith's western flax	PDLIN010E0	None	None	G2Q/S2	1B.2	BLM:S	No	Yes
<i>Hesperolinon tehamense</i> Tehama County western flax	PDLIN010C0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Heteranthera dubia</i> water star-grass	PMPON03010	None	None	G5/S2	2B.2		No	Yes
<i>Heterotheca monarchensis</i> Monarch golden-aster	PDAST4V0U0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i> beach goldenaster	PDAST4V0K2	None	None	G4T2T3/S1	1B.1		Yes	Yes
<i>Heterotheca shevockii</i> Shevock's golden-aster	PDAST4V0T0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Heuchera abramsii</i> Abrams' alumroot	PDSAX0E010	None	None	G4/S4	4.3	USFS:S	Yes	No
<i>Heuchera brevistaminea</i> Laguna Mountains alumroot	PDSAX0E050	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Heuchera caespitosa</i> urn-flowered alumroot	PDSAX0E1C0	None	None	G3/S3	4.3	USFS:S	Yes	No
<i>Heuchera hirsutissima</i> shaggy-haired alumroot	PDSAX0E0J0	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Heuchera maxima</i> island alumroot	PDSAX0E0M0	None	None	G3/S3	1B.2		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Heuchera parishii</i> Parish's alumroot	PDSAX0E0S0	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Heuchera rubescens</i> var. <i>versicolor</i> San Diego County alumroot	PDSAX0E106	None	None	G5T4/S2	3.3		No	Yes
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i> woolly rose-mallow	PDMAL0H0R3	None	None	G5T3/S3	1B.2		Yes	Yes
<i>Hoita strobilina</i> Loma Prieta hoita	PDFAB5Z030	None	None	G2/S2	1B.1		No	Yes
<i>Holmgrenanthe petrophila</i> rock lady	PDSCR2J010	None	Rare	G1/S1	1B.2		No	Yes
<i>Holocarpha macradenia</i> Santa Cruz tarplant	PDAST4X020	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Holocarpha virgata</i> ssp. <i>elongata</i> curving tarplant	PDAST4X041	None	None	G5T3/S3	4.2		No	No
<i>Hordeum intercedens</i> vernal barley	PMPOA380E0	None	None	G3G4/S3S4	3.2		Yes	No
<i>Horkelia bolanderi</i> Bolander's horkelia	PDROS0W010	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Horkelia congesta</i> var. <i>nemorosa</i> Josephine horkelia	PDROS0W032	None	None	G4T4?/S1	2B.1		No	Yes
<i>Horkelia cuneata</i> var. <i>puberula</i> mesa horkelia	PDROS0W045	None	None	G4T1/S1	1B.1	USFS:S	No	Yes
<i>Horkelia cuneata</i> var. <i>sericea</i> Kellogg's horkelia	PDROS0W043	None	None	G4T1?/S1?	1B.1	USFS:S	No	Yes
<i>Horkelia daucifolia</i> var. <i>indicta</i> Jepson's horkelia	PDROS0W053	None	None	G4T1/S1	1B.1		No	Yes
<i>Horkelia hendersonii</i> Henderson's horkelia	PDROS0W090	None	None	G1G2/S1	1B.1	BLM:S USFS:S	Yes	Yes
<i>Horkelia hispidula</i> White Mountains horkelia	PDROS0W0A0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Horkelia marinensis</i> Point Reyes horkelia	PDROS0W0B0	None	None	G2/S2	1B.2		No	Yes
<i>Horkelia parryi</i> Parry's horkelia	PDROS0W0C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Horkelia sericata</i> Howell's horkelia	PDROS0W0D0	None	None	G4/S3	4.3		No	No
<i>Horkelia tenuiloba</i> thin-lobed horkelia	PDROS0W0E0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Horkelia truncata</i> Ramona horkelia	PDROS0W0G0	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Horkelia tularensis</i> Kern Plateau horkelia	PDROS0W0H0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Horkelia wilderae</i> Barton Flats horkelia	PDROS0W0J0	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Horkelia yadonii</i> Santa Lucia horkelia	PDROS0W0K0	None	None	G3/S3	4.2	USFS:S	No	No
<i>Horsfordia alata</i> pink velvet-mallow	PDMAL0J010	None	None	G5/S4	4.3		Yes	No
<i>Horsfordia newberryi</i> Newberry's velvet-mallow	PDMAL0J020	None	None	G5/S4	4.3		No	No
<i>Hosackia crassifolia</i> var. <i>otayensis</i> Otay Mountain lotus	PDFAB2A092	None	None	G5T1/S1	1B.1	BLM:S	Yes	Yes
<i>Hosackia gracilis</i> harlequin lotus	PDFAB2A0D0	None	None	G4/S3	4.2		No	No
<i>Hosackia oblongifolia</i> var. <i>cuprea</i> copper-flowered bird's-foot trefoil	PDFAB2A0W1	None	None	G5T2/S2	1B.3		No	Yes
<i>Hosackia yollabolliensis</i> Yolla Bolly Mtns. bird's-foot trefoil	PDFAB2A1F0	None	None	G2/S2	1B.2		No	Yes
<i>Howellanthus dalesianus</i> Scott Mountain howellanthus	PDHYD0C140	None	None	G3/S3	4.3		No	Yes
<i>Howellia aquatilis</i> water howellia	PDCAM0A010	Threatened	None	G3/S2	2B.2		No	Yes
<i>Hulsea brevifolia</i> short-leaved hulsea	PDAST4Z020	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Hulsea californica</i> San Diego sunflower	PDAST4Z030	None	None	G3/S3	1B.3	BLM:S	Yes	Yes
<i>Hulsea mexicana</i> Mexican hulsea	PDAST4Z050	None	None	G3G4/S1	2B.3		No	Yes
<i>Hulsea nana</i> little hulsea	PDAST4Z060	None	None	G4/S3	2B.3		Yes	Yes
<i>Hulsea vestita</i> ssp. <i>callicarpha</i> beautiful hulsea	PDAST4Z074	None	None	G5T3/S3	4.2		Yes	No
<i>Hulsea vestita</i> ssp. <i>gabrielensis</i> San Gabriel Mountains hulsea	PDAST4Z075	None	None	G5T4/S4	4.3	USFS:S	No	No
<i>Hulsea vestita</i> ssp. <i>inyoensis</i> Inyo hulsea	PDAST4Z073	None	None	G5T2T3/S1S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Hulsea vestita ssp. parryi</i> Parry's hulsea	PDAST4Z076	None	None	G5T4/S4	4.3		Yes	No
<i>Hulsea vestita ssp. pygmaea</i> pygmy hulsea	PDAST4Z077	None	None	G5T1/S1	1B.3	USFS:S	No	Yes
<i>Hymenopappus filifolius var. eriopodus</i> hairy-podded fine-leaf hymenopappus	PDAST51032	None	None	G5T3?/S2?	2B.3		Yes	Yes
<i>Hymenopappus filifolius var. nanus</i> little cutleaf	PDAST5103H	None	None	G5T4/S2	2B.3		No	Yes
<i>Hymenothrix wrightii</i> Wright's hymenothrix	PDAST52030	None	None	G5/S3	4.3		No	No
<i>Hymenoxys lemmonii</i> alkali hymenoxys	PDAST530C0	None	None	G4?/S2S3	2B.2		No	Yes
<i>Hymenoxys odorata</i> bitter hymenoxys	PDAST530E0	None	None	G5/S2	2B.1		No	Yes
<i>Iliamna bakeri</i> Baker's globe mallow	PDMAL0K010	None	None	G4/S3	4.2		No	Yes
<i>Iliamna latibracteata</i> California globe mallow	PDMAL0K040	None	None	G2G3/S2	1B.2	USFS:S	No	Yes
<i>Imperata brevifolia</i> California satintail	PMPOA3D020	None	None	G4/S3	2B.1	USFS:S	Yes	Yes
<i>Ipomopsis effusa</i> Baja California ipomopsis	PDPLM060U0	None	None	G3?/SH	2B.1		No	Yes
<i>Ipomopsis tenuifolia</i> slender-leaved ipomopsis	PDPLM060J0	None	None	G3/S2	2B.3		No	Yes
<i>Iris bracteata</i> Siskiyou iris	PMIRI09020	None	None	G4G5/S3S4	3.3		No	No
<i>Iris hartwegii ssp. columbiana</i> Tuolumne iris	PMIRI090D2	None	None	G4T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Iris innominata</i> Del Norte County iris	PMIRI090F0	None	None	G4G5/S3	4.3		No	No
<i>Iris longipetala</i> coast iris	PMIRI092E0	None	None	G3/S3	4.2		No	No
<i>Iris munzii</i> Munz's iris	PMIRI090M0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Iris tenax ssp. klamathensis</i> Orleans iris	PMIRI090Z2	None	None	G4G5T4/S4	4.3		No	No
<i>Isocoma arguta</i> Carquinez goldenbush	PDAST57050	None	None	G1/S1	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Isocoma menziesii</i> var. <i>decumbens</i> decumbent goldenbush	PDAST57091	None	None	G3G5T2T3/S2	1B.2		No	Yes
<i>Isocoma menziesii</i> var. <i>diabolica</i> Satan's goldenbush	PDAST57092	None	None	G3G5T3/S3	4.2		No	No
<i>Iva hayesiana</i> San Diego marsh-elder	PDAST580A0	None	None	G3/S2	2B.2		Yes	Yes
<i>Ivesia aperta</i> var. <i>aperta</i> Sierra Valley ivesia	PDROS0X011	None	None	G2T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia aperta</i> var. <i>canina</i> Dog Valley ivesia	PDROS0X012	None	None	G2T1/S1	1B.1	USFS:S	No	Yes
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i> silver-haired ivesia	PDROS0X021	None	None	G2T2/S2	1B.2	USFS:S	Yes	Yes
<i>Ivesia arizonica</i> var. <i>arizonica</i> yellow ivesia	PDROS0X0R1	None	None	G4T3T4/S1	2B.3		No	Yes
<i>Ivesia baileyi</i> var. <i>baileyi</i> Bailey's ivesia	PDROS0X031	None	None	G5T4/S2	2B.3		No	Yes
<i>Ivesia baileyi</i> var. <i>beneolens</i> Owyhee ivesia	PDROS0X032	None	None	G5T4/S1	2B.3		No	Yes
<i>Ivesia callida</i> Tahquitz ivesia	PDROS0X040	None	Rare	G1/S1	1B.3	USFS:S	No	Yes
<i>Ivesia campestris</i> field ivesia	PDROS0X050	None	None	G3/S3	1B.2		No	Yes
<i>Ivesia jaegeri</i> Jaeger's ivesia	PDROS0X080	None	None	G2G3/S1	1B.3	BLM:S	Yes	Yes
<i>Ivesia kingii</i> var. <i>kingii</i> alkali ivesia	PDROS0X092	None	None	G4T3Q/S2	2B.2	BLM:S	No	Yes
<i>Ivesia longibracteata</i> Castle Crags ivesia	PDROS0X0U0	None	None	G1/S1	1B.3	BLM:S USFS:S	Yes	Yes
<i>Ivesia paniculata</i> Ash Creek ivesia	PDROS0X0S0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia patellifera</i> Kingston Mountains ivesia	PDROS0X0Z0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Ivesia pickeringii</i> Pickering's ivesia	PDROS0X0D0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia sericoleuca</i> Plumas ivesia	PDROS0X0K0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ivesia unguiculata</i> Yosemite ivesia	PDROS0X0N0	None	None	G3/S3	4.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ivesia webberi</i> Webber's ivesia	PDROS0X0Q0	Threatened	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Jamesia americana</i> var. <i>rosea</i> rosy-petalled cliffbush	PDHDR02019	None	None	G5T4/S4	4.3		Yes	No
<i>Jensia yosemitana</i> Yosemite tarplant	PDAST650J0	None	None	G3/S3	3.2		No	No
<i>Jepsonia heterandra</i> foothill jepsonia	PDSAX0J010	None	None	G4/S4	4.3		No	No
<i>Jepsonia malvifolia</i> island jepsonia	PDSAX0J020	None	None	G4/S4	4.2		No	No
<i>Johanneshowellia puberula</i> downy buckwheat	PDPGN084X0	None	None	G4?/S1	2B.3		No	Yes
<i>Johnstonella costata</i> ribbed cryptantha	PDBOR0A0M0	None	None	G4G5/S4	4.3		Yes	No
<i>Johnstonella holoptera</i> winged cryptantha	PDBOR0A180	None	None	G4G5/S4	4.3		No	No
<i>Juglans californica</i> southern California black walnut	PDJUG02020	None	None	G3/S3	4.2		Yes	No
<i>Juglans hindsii</i> Northern California black walnut	PDJUG02040	None	None	G1/S1	1B.1		Yes	Yes
<i>Juncus acutus</i> ssp. <i>leopoldii</i> southwestern spiny rush	PMJUN01051	None	None	G5T5/S4	4.2		No	No
<i>Juncus cooperi</i> Cooper's rush	PMJUN010T0	None	None	G4/S3	4.3		No	No
<i>Juncus digitatus</i> finger rush	PMJUN013E0	None	None	G1/S1	1B.1		No	Yes
<i>Juncus dudleyi</i> Dudley's rush	PMJUN01390	None	None	G5/S1	2B.3		No	Yes
<i>Juncus duranii</i> Duran's rush	PMJUN013T0	None	None	G3/S3	4.3		No	No
<i>Juncus hemiendytus</i> var. <i>abjectus</i> Center Basin rush	PMJUN011F1	None	None	G5T5/S4	4.3		No	No
<i>Juncus interior</i> inland rush	PMJUN011J0	None	None	G4/S1	2B.2		No	Yes
<i>Juncus leiospermus</i> var. <i>ahartii</i> Ahart's dwarf rush	PMJUN011L1	None	None	G2T1/S1	1B.2		No	Yes
<i>Juncus leiospermus</i> var. <i>leiospermus</i> Red Bluff dwarf rush	PMJUN011L2	None	None	G2T2/S2	1B.1	BLM:S USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Juncus luciensis</i> Santa Lucia dwarf rush	PMJUN013J0	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Juncus nevadensis var. inventus</i> Sierra rush	PMJUN011Z5	None	None	G5T3T4/S1	2B.2		No	Yes
<i>Juncus nodosus</i> knotted rush	PMJUN01210	None	None	G5/S3	2B.3		No	Yes
<i>Juncus regelii</i> Regel's rush	PMJUN012D0	None	None	G4/S1	2B.3		No	Yes
<i>Juncus supiniformis</i> hair-leaved rush	PMJUN012R0	None	None	G5/S1	2B.2		No	Yes
<i>Kallstroemia parviflora</i> warty caltrop	PDZYG03050	None	None	G5/S3	4.2		No	No
<i>Kobresia myosuroides</i> seep kobresia	PMCYP0F010	None	None	G5/S2	2B.2		No	Yes
<i>Koerberlinia spinosa var. tenuispina</i> slender-spined all thorn	PDCPP05012	None	None	G4T4?/S2	2B.2		No	Yes
<i>Kopsiopsis hookeri</i> small groundcone	PDORO01010	None	None	G4?/S1S2	2B.3		No	Yes
<i>Ladeania lanceolata</i> lance-leaved scurf-pea	PDFAB5M030	None	None	G5/S2	2B.3		No	Yes
<i>Lagophylla diabolensis</i> Diablo Range hare-leaf	PDAST5J060	None	None	G2/S2	1B.2		No	Yes
<i>Lagophylla dichotoma</i> forked hare-leaf	PDAST5J070	None	None	G2/S2	1B.1		No	Yes
<i>Lasthenia burkei</i> Burke's goldfields	PDAST5L010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lasthenia californica ssp. bakeri</i> Baker's goldfields	PDAST5L0C4	None	None	G3T1/S1	1B.2		No	Yes
<i>Lasthenia californica ssp. macrantha</i> perennial goldfields	PDAST5L0C5	None	None	G3T2/S2	1B.2		No	Yes
<i>Lasthenia conjugens</i> Contra Costa goldfields	PDAST5L040	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Lasthenia ferrisiae</i> Ferris' goldfields	PDAST5L070	None	None	G3/S3	4.2		No	No
<i>Lasthenia glabrata ssp. coulteri</i> Coulter's goldfields	PDAST5L0A1	None	None	G4T2/S2	1B.1	BLM:S	Yes	Yes
<i>Lasthenia leptalea</i> Salinas Valley goldfields	PDAST5L0B0	None	None	G3/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Lathyrus biflorus</i> two-flowered pea	PDFAB25180	None	None	G1/S1	1B.1	USFS:S	No	Yes
<i>Lathyrus delnorticus</i> Del Norte pea	PDFAB25070	None	None	G4/S3	4.3		Yes	No
<i>Lathyrus glandulosus</i> sticky pea	PDFAB251A0	None	None	G3/S3	4.3		Yes	No
<i>Lathyrus hitchcockianus</i> Bullfrog Mountain pea	PDFAB250A0	None	None	G2/S1	1B.3		No	Yes
<i>Lathyrus japonicus</i> seaside pea	PDFAB250C0	None	None	G5/S2	2B.1		No	Yes
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i> Delta tule pea	PDFAB250D2	None	None	G5T2/S2	1B.2		Yes	Yes
<i>Lathyrus palustris</i> marsh pea	PDFAB250P0	None	None	G5/S2	2B.2		No	Yes
<i>Lathyrus rigidus</i> rigid pea	PDFAB250W0	None	None	G5/S1	2B.2		No	Yes
<i>Lathyrus splendens</i> pride-of-California	PDFAB250Z0	None	None	G5/S4	4.3		Yes	No
<i>Lathyrus sulphureus</i> var. <i>argillaceus</i> dubious pea	PDFAB25101	None	None	G5T1T2/S1S2	3		No	Yes
<i>Lavatera assurgentiflora</i> ssp. <i>assurgentiflora</i> island mallow	PDMAL0N021	None	None	G1T1/S1	1B.1		Yes	Yes
<i>Lavatera assurgentiflora</i> ssp. <i>glabra</i> southern island mallow	PDMAL0N022	None	None	G1T1/S1	1B.1		Yes	Yes
<i>Layia carnosa</i> beach layia	PDAST5N010	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Layia discoidea</i> rayless layia	PDAST5N030	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Layia heterotricha</i> pale-yellow layia	PDAST5N070	None	None	G2/S2	1B.1	BLM:S USFS:S	Yes	Yes
<i>Layia jonesii</i> Jones' layia	PDAST5N090	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Layia leucopappa</i> Comanche Point layia	PDAST5N0A0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Layia munzii</i> Munz's tidy-tips	PDAST5N0B0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Layia septentrionalis</i> Colusa layia	PDAST5N0F0	None	None	G2/S2	1B.2	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Legenere limosa</i> legenere	PDCAM0C010	None	None	G2/S2	1B.1	BLM:S	No	Yes
<i>Lepechinia cardiophylla</i> heart-leaved pitcher sage	PDLAM0V020	None	None	G3/S2S3	1B.2	USFS:S	Yes	Yes
<i>Lepechinia fragrans</i> fragrant pitcher sage	PDLAM0V030	None	None	G3/S3	4.2	USFS:S	Yes	No
<i>Lepechinia ganderi</i> Gander's pitcher sage	PDLAM0V040	None	None	G3/S3	1B.3	BLM:S	Yes	Yes
<i>Lepechinia rossii</i> Ross' pitcher sage	PDLAM0V060	None	None	G1/S1	1B.2	USFS:S	Yes	Yes
<i>Lepidium flavum</i> var. <i>felipense</i> Blair Valley pepper-grass	PDBRA1M0B1	None	None	G5T1/S1	1B.2	BLM:S	No	Yes
<i>Lepidium jaredii</i> ssp. <i>album</i> Panoche pepper-grass	PDBRA1M0G2	None	None	G2G3T2T3/S2 S3	1B.2	BLM:S	Yes	Yes
<i>Lepidium jaredii</i> ssp. <i>jaredii</i> Jared's pepper-grass	PDBRA1M0G1	None	None	G2G3T1T2/S1 S2	1B.2	BLM:S	No	Yes
<i>Lepidium latipes</i> var. <i>heckardii</i> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T1/S1	1B.2		No	Yes
<i>Lepidium virginicum</i> var. <i>robinsonii</i> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3/S3	4.3		No	Yes
<i>Leptosiphon acicularis</i> bristly leptosiphon	PDPLM09010	None	None	G3/S3	4.2		No	No
<i>Leptosiphon ambiguus</i> serpentine leptosiphon	PDPLM09020	None	None	G4/S4	4.2		No	No
<i>Leptosiphon croceus</i> coast yellow leptosiphon	PDPLM09170	None	Candidate Endangered	G1/S1	1B.1		Yes	Yes
<i>Leptosiphon floribundus</i> ssp. <i>hallii</i> Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	G4T1T2/S1S2	1B.3	USFS:S	No	Yes
<i>Leptosiphon grandiflorus</i> large-flowered leptosiphon	PDPLM090K0	None	None	G3/S3	4.2		No	No
<i>Leptosiphon jepsonii</i> Jepson's leptosiphon	PDPLM09140	None	None	G3/S3	1B.2		Yes	Yes
<i>Leptosiphon latisectus</i> broad-lobed leptosiphon	PDPLM09150	None	None	G4/S4	4.3		No	No
<i>Leptosiphon nuttallii</i> ssp. <i>howellii</i> Mt. Tedoc leptosiphon	PDPLM090V4	None	None	G5T2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Leptosiphon oblancoelatus</i> Sierra Nevada leptosiphon	PDPLM090W0	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Leptosiphon pygmaeus</i> ssp. <i>pygmaeus</i> pygmy leptosiphon	PDPLM09102	None	None	G4T1/S1	1B.2		No	Yes
<i>Leptosiphon rattanii</i> Rattan's leptosiphon	PDPLM09110	None	None	G4/S4	4.3		No	No
<i>Leptosiphon rosaceus</i> rose leptosiphon	PDPLM09180	None	None	G1/S1	1B.1		No	Yes
<i>Leptosiphon serrulatus</i> Madera leptosiphon	PDPLM09130	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Leptosyne hamiltonii</i> Mt. Hamilton coreopsis	PDAST2L0C0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Leptosyne maritima</i> sea dahlia	PDAST2L0L0	None	None	G2/S1	2B.2		Yes	Yes
<i>Lessingia arachnoidea</i> Crystal Springs lessingia	PDAST5S0C0	None	None	G2/S2	1B.2		Yes	Yes
<i>Lessingia germanorum</i> San Francisco lessingia	PDAST5S010	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Lessingia glandulifera</i> var. <i>tomentosa</i> Warner Springs lessingia	PDAST5S022	None	None	G4?T2/S2	1B.1	USFS:S	No	Yes
<i>Lessingia hololeuca</i> woolly-headed lessingia	PDAST5S030	None	None	G3?/S3?	3		No	No
<i>Lessingia micradenia</i> var. <i>glabrata</i> smooth lessingia	PDAST5S062	None	None	G2T2/S2	1B.2		No	Yes
<i>Lessingia micradenia</i> var. <i>micradenia</i> Tamalpais lessingia	PDAST5S063	None	None	G2T2/S2	1B.2		Yes	Yes
<i>Lessingia tenuis</i> spring lessingia	PDAST5S0B0	None	None	G4/S4	4.3		No	No
<i>Lewisia brachycalyx</i> short-sepaled lewisia	PDPOR04010	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Lewisia cantelovii</i> Cantelow's lewisia	PDPOR04020	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Lewisia congdonii</i> Congdon's lewisia	PDPOR04040	None	Rare	G2/S2	1B.3	USFS:S	No	Yes
<i>Lewisia cotyledon</i> var. <i>heckneri</i> Heckner's lewisia	PDPOR04052	None	None	G4T3/S3	1B.2	BLM:S	No	Yes
<i>Lewisia cotyledon</i> var. <i>howellii</i> Howell's lewisia	PDPOR04053	None	None	G4T4Q/S2	3.2		No	No
<i>Lewisia disepala</i> Yosemite lewisia	PDPOR04060	None	None	G2/S2	1B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Lewisia kelloggii</i> ssp. <i>hutchisonii</i> Hutchison's lewisia	PDPOR04071	None	None	G3G4T3Q/S3	3.2	USFS:S	No	No
<i>Lewisia kelloggii</i> ssp. <i>kelloggii</i> Kellogg's lewisia	PDPOR040M1	None	None	G3G4T2T3Q/S 2S3	3.2	USFS:S	No	No
<i>Lewisia longipetala</i> long-petaled lewisia	PDPOR040K0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Lewisia oppositifolia</i> opposite-leaved lewisia	PDPOR040B0	None	None	G3/S2	2B.2	USFS:S	No	Yes
<i>Lewisia serrata</i> saw-toothed lewisia	PDPOR040E0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Lewisia stebbinsii</i> Stebbins' lewisia	PDPOR040G0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Lilaeopsis masonii</i> Mason's lilaeopsis	PDAPI19030	None	Rare	G2/S2	1B.1		No	Yes
<i>Lilium bolanderi</i> Bolander's lily	PMLIL1A010	None	None	G4/S3	4.2		No	No
<i>Lilium humboldtii</i> ssp. <i>humboldtii</i> Humboldt lily	PMLIL1A071	None	None	G4T3/S3	4.2		No	No
<i>Lilium humboldtii</i> ssp. <i>ocellatum</i> ocellated humboldt lily	PMLIL1A072	None	None	G4T3/S3	4.2		Yes	No
<i>Lilium kelloggii</i> Kellogg's lily	PMLIL1A0A0	None	None	G3/S3	4.3		No	No
<i>Lilium maritimum</i> coast lily	PMLIL1A0C0	None	None	G2/S2	1B.1		No	Yes
<i>Lilium occidentale</i> western lily	PMLIL1A0G0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lilium pardalinum</i> ssp. <i>pitkinense</i> Pitkin Marsh lily	PMLIL1A0H3	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Lilium pardalinum</i> ssp. <i>vollmeri</i> Vollmer's lily	PMLIL1A0H2	None	None	G5T4/S3	4.3		No	No
<i>Lilium pardalinum</i> ssp. <i>wigginsii</i> Wiggins' lily	PMLIL1A0S0	None	None	G5T3/S3	4.3		No	No
<i>Lilium parryi</i> lemon lily	PMLIL1A0J0	None	None	G3/S3	1B.2	USFS:S	Yes	Yes
<i>Lilium rubescens</i> redwood lily	PMLIL1A0N0	None	None	G3/S3	4.2		Yes	No
<i>Lilium washingtonianum</i> ssp. <i>purpurascens</i> purple-flowered Washington lily	PMLIL1A0R2	None	None	G4T4/S4?	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Limnanthes alba ssp. parishii</i> Parish's meadowfoam	PDLIM02052	None	Endangered	G4T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Limnanthes bakeri</i> Baker's meadowfoam	PDLIM02020	None	Rare	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Limnanthes douglasii ssp. ornduffii</i> Ornduff's meadowfoam	PDLIM02039	None	None	G4T1/S1	1B.1		No	Yes
<i>Limnanthes douglasii ssp. sulphurea</i> Point Reyes meadowfoam	PDLIM02038	None	Endangered	G4T1/S1	1B.2		No	Yes
<i>Limnanthes floccosa ssp. bellingeriana</i> Bellinger's meadowfoam	PDLIM02041	None	None	G4T2T3/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Limnanthes floccosa ssp. californica</i> Butte County meadowfoam	PDLIM02042	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Limnanthes floccosa ssp. floccosa</i> woolly meadowfoam	PDLIM02043	None	None	G4T4/S3	4.2		No	Yes
<i>Limnanthes vinculans</i> Sebastopol meadowfoam	PDLIM02090	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Limosella australis</i> Delta mudwort	PDSCR10030	None	None	G4G5/S2	2B.1		No	Yes
<i>Linanthus bellus</i> desert beauty	PDPLM09070	None	None	G2G3/S2	2B.1		No	Yes
<i>Linanthus bernardinus</i> Pioneertown linanthus	PDPLM09190	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Linanthus californicus ssp. tomentosus</i> fuzzy prickly-phlox	PDPLM08021	None	None	G5T3/S3	4.2		No	No
<i>Linanthus concinnus</i> San Gabriel linanthus	PDPLM090D0	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Linanthus jaegeri</i> San Jacinto linanthus	PDPLM08030	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Linanthus killipii</i> Baldwin Lake linanthus	PDPLM090N0	None	None	G1/S1	1B.2	USFS:S	Yes	Yes
<i>Linanthus maculatus ssp. emaculatus</i> Jacumba Mountains linanthus	PDPLM041Y2	None	None	G2T1/S1	1B.1		Yes	Yes
<i>Linanthus maculatus ssp. maculatus</i> Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	G2T2/S2	1B.2	BLM:S	Yes	Yes
<i>Linanthus orcuttii</i> Orcutt's linanthus	PDPLM090X0	None	None	G3/S2	1B.3	BLM:S USFS:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Linum puberulum</i> plains flax	PDLIN020P0	None	None	G5/S2	2B.3		Yes	Yes
<i>Listera cordata</i> heart-leaved twayblade	PMORC1N060	None	None	G5/S4	4.2		No	No
<i>Lithophragma maximum</i> San Clemente Island woodland star	PDSAX0M070	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lithospermum incisum</i> plains stoneseed	PDBOR0L070	None	None	G5/S1	2B.3		No	Yes
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i> sagebrush loeflingia	PDCAR0E011	None	None	G5T3/S2	2B.2	BLM:S	No	Yes
<i>Loeseliastrum depressum</i> depressed standing-cypress	PDPLM06040	None	None	G5/S3S4	4.3		No	No
<i>Lomatium canbyi</i> Canby's lomatium	PDAPI1B060	None	None	G5/S3S4	4.3		No	No
<i>Lomatium congdonii</i> Congdon's lomatium	PDAPI1B0B0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Lomatium engelmannii</i> Engelmann's lomatium	PDAPI1B0K0	None	None	G4/S3	4.3		No	No
<i>Lomatium foeniculaceum</i> ssp. <i>inyoense</i> Inyo lomatium	PDAPI1B0M4	None	None	G5T3/S3	4.3		No	No
<i>Lomatium foeniculaceum</i> ssp. <i>macdougali</i> Macdougall's lomatium	PDAPI1B0M5	None	None	G5T4T5/S3	2B.2		No	Yes
<i>Lomatium grayi</i> Gray's lomatium	PDAPI1B0Q0	None	None	G5/S1S2	2B.3		No	Yes
<i>Lomatium hendersonii</i> Henderson's lomatium	PDAPI1B0T0	None	None	G5?/S2	2B.3		No	Yes
<i>Lomatium hooveri</i> Hoover's lomatium	PDAPI1B2K0	None	None	G3/S3	4.3		No	No
<i>Lomatium howellii</i> Howell's lomatium	PDAPI1B0U0	None	None	G4G5/S4	4.3		No	No
<i>Lomatium insulare</i> San Nicolas Island lomatium	PDAPI1B0W0	None	None	G3/S2S3	1B.2		No	Yes
<i>Lomatium martindalei</i> Coast Range lomatium	PDAPI1B140	None	None	G5/S2	2B.3		No	Yes
<i>Lomatium observatorium</i> Mt. Hamilton lomatium	PDAPI1B2J0	None	None	G1/S1	1B.2		No	Yes
<i>Lomatium parvifolium</i> small-leaved lomatium	PDAPI1B1F0	None	None	G4/S4	4.2		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Lomatium peckianum</i> Peck's lomatium	PDAPI1B1G0	None	None	G4/S1	2B.2		No	Yes
<i>Lomatium ravenii</i> Raven's lomatium	PDAPI1B1L0	None	None	G4/S2	2B.3		No	Yes
<i>Lomatium repostum</i> Napa lomatium	PDAPI1B1M0	None	None	G3/S3	4.3		No	No
<i>Lomatium rigidum</i> stiff lomatium	PDAPI1B1N0	None	None	G3/S3	4.3		No	No
<i>Lomatium roseanum</i> adobe lomatium	PDAPI1B2G0	None	None	G2G3/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Lomatium shevockii</i> Owens Peak lomatium	PDAPI1B2C0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Lomatium stebbinsii</i> Stebbins' lomatium	PDAPI1B1V0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Lomatium tracyi</i> Tracy's lomatium	PDAPI1B1Y0	None	None	G4/S4	4.3		No	No
<i>Lonicera subspicata</i> var. <i>subspicata</i> Santa Barbara honeysuckle	PDCPR030R3	None	None	G5T2?/S2?	1B.2	USFS:S	No	Yes
<i>Lupinus albifrons</i> var. <i>abramsii</i> Abrams' lupine	PDFAB2B010	None	None	G5T3?Q/S3?	3.2		No	No
<i>Lupinus albifrons</i> var. <i>johnstonii</i> interior bush lupine	PDFAB2B1J4	None	None	G4T4/S4	4.3		No	No
<i>Lupinus albifrons</i> var. <i>medius</i> Mountain Springs bush lupine	PDFAB2B1J5	None	None	G4T3/S2	1B.3	BLM:S	Yes	Yes
<i>Lupinus antoninus</i> Anthony Peak lupine	PDFAB2B0C0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Lupinus arboreus</i> var. <i>eximius</i> San Mateo tree lupine	PDFAB2B570	None	None	G2Q/S2	3.2		No	No
<i>Lupinus cervinus</i> Santa Lucia lupine	PDFAB2B0X0	None	None	G3/S3	4.3		No	No
<i>Lupinus citrinus</i> var. <i>citrinus</i> orange lupine	PDFAB2B103	None	None	G2T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Lupinus citrinus</i> var. <i>deflexus</i> Mariposa lupine	PDFAB2B102	None	Threatened	G2T1T2/S1S2	1B.2	BLM:S	No	Yes
<i>Lupinus constancei</i> The Lassics lupine	PDFAB2B490	None	Candidate Endangered	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Lupinus croceus</i> var. <i>pilosellus</i> saffron-flowered lupine	PDFAB2B162	None	None	G3T3/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Lupinus dalesiae</i> Quincy lupine	PDFAB2B1A0	None	None	G3/S3	4.2		No	Yes
<i>Lupinus duranii</i> Mono Lake lupine	PDFAB2B1E0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Lupinus elatus</i> silky lupine	PDFAB2B1F0	None	None	G4/S4	4.3		No	No
<i>Lupinus elmeri</i> South Fork Mountain lupine	PDFAB2B1G0	None	None	G2/S2	1B.2		No	Yes
<i>Lupinus gracilentus</i> slender lupine	PDFAB2B1R0	None	None	G3/S3	1B.3		No	Yes
<i>Lupinus guadalupensis</i> Guadalupe Island lupine	PDFAB2B1T0	None	None	G3/S3	4.2		Yes	Yes
<i>Lupinus holmgrenianus</i> Holmgren's lupine	PDFAB2B1Y0	None	None	G2/S2	2B.3		No	Yes
<i>Lupinus lapidicola</i> Heller's Mt. Eddy lupine	PDFAB2B280	None	None	G4/S4	4.3		No	No
<i>Lupinus latifolius var. barbatus</i> bearded lupine	PDFAB2B29H	None	None	G5T2Q/S2	3.2	USFS:S	No	Yes
<i>Lupinus lepidus var. culbertsonii</i> Hockett Meadows lupine	PDFAB2B171	None	None	G5T3/S3	1B.3	USFS:S	No	Yes
<i>Lupinus lepidus var. utahensis</i> stemless lupine	PDFAB2B0V2	None	None	G5T5?/S3	4.3		No	No
<i>Lupinus ludovicianus</i> San Luis Obispo County lupine	PDFAB2B2G0	None	None	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Lupinus magnificus var. glarecola</i> Coso Mountains lupine	PDFAB2B2K1	None	None	G3T3Q/S3	4.3		No	No
<i>Lupinus magnificus var. hesperius</i> Mcgee Meadows lupine	PDFAB2B2K2	None	None	G3T1Q/S1	1B.3	BLM:S	No	Yes
<i>Lupinus magnificus var. magnificus</i> Panamint Mountains lupine	PDFAB2B2K3	None	None	G3T3/S3	1B.2	BLM:S	No	Yes
<i>Lupinus milo-bakeri</i> Milo Baker's lupine	PDFAB2B4E0	None	Threatened	G1Q/S1	1B.1		Yes	Yes
<i>Lupinus nevadensis</i> Nevada lupine	PDFAB2B500	None	None	G4/S4	4.3		No	No
<i>Lupinus nipomensis</i> Nipomo Mesa lupine	PDFAB2B550	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Lupinus padre-crowleyi</i> Father Crowley's lupine	PDFAB2B2Z0	None	Rare	G2/S2	1B.2	USFS:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Lupinus paynei</i> Payne's bush lupine	PDFAB2B580	None	None	G1Q/S1	1B.1		No	No
<i>Lupinus peirsonii</i> Peirson's lupine	PDFAB2B330	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Lupinus pusillus</i> var. <i>intermontanus</i> intermontane lupine	PDFAB2B3B1	None	None	G5T5?/S2	2B.3		No	Yes
<i>Lupinus sericatus</i> Cobb Mountain lupine	PDFAB2B3J0	None	None	G2?/S2?	1B.2	BLM:S	No	Yes
<i>Lupinus spectabilis</i> shaggyhair lupine	PDFAB2B3P0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Lupinus tidestromii</i> Tidestrom's lupine	PDFAB2B3Y0	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Lupinus tracyi</i> Tracy's lupine	PDFAB2B3Z0	None	None	G4/S3	4.3		No	No
<i>Lupinus uncialis</i> lilliput lupine	PDFAB2B410	None	None	G4/S2	2B.2	BLM:S	No	Yes
<i>Lycium brevipes</i> var. <i>hassei</i> Santa Catalina Island desert-thorn	PDSOL0G0N0	None	None	G5T1Q/S1	3.1		No	Yes
<i>Lycium californicum</i> California box-thorn	PDSOL0G050	None	None	G4/S4	4.2		No	No
<i>Lycium parishii</i> Parish's desert-thorn	PDSOL0G0D0	None	None	G3?/S1	2B.3		No	Yes
<i>Lycium torreyi</i> Torrey's box-thorn	PDSOL0G0K0	None	None	G4G5/S3	4.2		No	No
<i>Lycium verrucosum</i> San Nicolas Island desert-thorn	PDSOL0G0M0	None	None	GXQ/SX	1A		No	Yes
<i>Lycopodiella inundata</i> inundated bog-clubmoss	PPLYC03060	None	None	G5/S1?	2B.2		No	Yes
<i>Lycopodium clavatum</i> running-pine	PPLYC01080	None	None	G5/S3	4.1		No	Yes
<i>Lycopus uniflorus</i> northern bugleweed	PDLAM0X080	None	None	G5/S4	4.3		No	No
<i>Lyonothamnus floribundus</i> ssp. <i>aspleniifolius</i> Santa Cruz Island ironwood	PDROS12011	None	None	G3T3/S3	1B.2		No	Yes
<i>Lyonothamnus floribundus</i> ssp. <i>floribundus</i> Santa Catalina Island ironwood	PDROS12012	None	None	G3T2/S2	1B.2		Yes	Yes
<i>Lyrocarpa coulteri</i> Palmer's lyrepod	PDBRA1R010	None	None	G4G5/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Lysimachia europaea</i> arctic starflower	PDPRI0A030	None	None	G5/S1	2B.2		No	Yes
<i>Lysimachia thyrsoiflora</i> tufted loosestrife	PDPRI070S0	None	None	G5/S1?	2B.3		No	Yes
<i>Madia radiata</i> showy golden madia	PDAST650E0	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Malacothamnus abbottii</i> Abbott's bush-mallow	PDMAL0Q010	None	None	G1/S1	1B.1		No	Yes
<i>Malacothamnus aboriginum</i> Indian Valley bush-mallow	PDMAL0Q020	None	None	G3/S3	1B.2	BLM:S	Yes	Yes
<i>Malacothamnus arcuatus</i> arcuate bush-mallow	PDMAL0Q0E0	None	None	G2Q/S2	1B.2		No	Yes
<i>Malacothamnus clementinus</i> San Clemente Island bush-mallow	PDMAL0Q030	Endangered	Endangered	G2G3/S2S3	1B.1		Yes	Yes
<i>Malacothamnus davidsonii</i> Davidson's bush-mallow	PDMAL0Q040	None	None	G2/S2	1B.2		No	Yes
<i>Malacothamnus fasciculatus</i> var. <i>catalinensis</i> Santa Catalina Island bush-mallow	PDMAL0Q062	None	None	G4T3Q/S3	4.2		No	No
<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i> Santa Cruz Island bush-mallow	PDMAL0Q061	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Malacothamnus gracilis</i> slender bush-mallow	PDMAL0Q0J0	None	None	G1Q/S1	1B.1		No	Yes
<i>Malacothamnus hallii</i> Hall's bush-mallow	PDMAL0Q0F0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Malacothamnus helleri</i> Heller's bush-mallow	PDMAL0Q0G0	None	None	G3Q/S3	3.3		No	No
<i>Malacothamnus jonesii</i> Jones' bush-mallow	PDMAL0Q090	None	None	G4/S4	4.3		No	No
<i>Malacothamnus mendocinensis</i> Mendocino bush-mallow	PDMAL0Q0D0	None	None	GXQ/SX	1A		No	Yes
<i>Malacothamnus palmeri</i> var. <i>involutus</i> Carmel Valley bush-mallow	PDMAL0Q0B1	None	None	G3T2Q/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Malacothamnus palmeri</i> var. <i>lucianus</i> Arroyo Seco bush-mallow	PDMAL0Q0B2	None	None	G3T1Q/S1	1B.2	BLM:S USFS:S	Yes	Yes
<i>Malacothamnus palmeri</i> var. <i>palmeri</i> Santa Lucia bush-mallow	PDMAL0Q0B5	None	None	G3T2Q/S2	1B.2	USFS:S	Yes	Yes
<i>Malacothamnus parishii</i> Parish's bush-mallow	PDMAL0Q0C0	None	None	GXQ/SX	1A		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Malacothrix foliosa</i> ssp. <i>crispifolia</i> wavy-leaved malacothrix	PDAST66066	None	None	G4T1/S1	1B.2		No	Yes
<i>Malacothrix foliosa</i> ssp. <i>foliosa</i> leafy malacothrix	PDAST66064	None	None	G4T3/S3	4.2		No	No
<i>Malacothrix foliosa</i> ssp. <i>philbrickii</i> Philbrick's malacothrix	PDAST66065	None	None	G4T1/S1	1B.2		No	Yes
<i>Malacothrix foliosa</i> ssp. <i>polycephala</i> many-headed malacothrix	PDAST66067	None	None	G4T3/S3	4.2		No	No
<i>Malacothrix incana</i> dunedelion	PDAST66070	None	None	G4/S4	4.3		Yes	No
<i>Malacothrix indecora</i> Santa Cruz Island malacothrix	PDAST660J0	Endangered	None	G2/S2	1B.1		No	Yes
<i>Malacothrix junakii</i> Junak's malacothrix	PDAST660Q0	None	None	G1/S1	1B.1		No	Yes
<i>Malacothrix phaeocarpa</i> dusky-fruited malacothrix	PDAST66090	None	None	G4/S4	4.3		No	No
<i>Malacothrix saxatilis</i> var. <i>arachnoidea</i> Carmel Valley malacothrix	PDAST660C2	None	None	G5T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Malacothrix saxatilis</i> var. <i>saxatilis</i> cliff malacothrix	PDAST660C5	None	None	G5T4/S4	4.2		No	No
<i>Malacothrix similis</i> Mexican malacothrix	PDAST660D0	None	None	G2G3/SH	2A		No	Yes
<i>Malacothrix squalida</i> island malacothrix	PDAST660K0	Endangered	None	G1/S1	1B.1		No	Yes
<i>Malaxis monophyllos</i> var. <i>brachypoda</i> white bog adder's-mouth	PMORC1R010	None	None	G4?T4/S1	2B.1	USFS:S	No	Yes
<i>Malperia tenuis</i> brown turbans	PDAST67010	None	None	G4?/S2?	2B.3		Yes	Yes
<i>Mammillaria grahamii</i> var. <i>grahamii</i> Graham fishhook cactus	PDCAC0A021	None	None	G4T4/S2	2B.2		Yes	Yes
<i>Marina orcuttii</i> var. <i>orcuttii</i> California marina	PDFAB2F031	None	None	G2G3T1T2/S2 ?	1B.3	USFS:S	Yes	Yes
<i>Matelea parvifolia</i> spear-leaf matelea	PDASC0A0J0	None	None	G5/S3	2B.3	USFS:S	No	Yes
<i>Maurandella antirrhiniflora</i> violet twining snapdragon	PDSCR2M010	None	None	G5/S2	2B.3		No	Yes
<i>Meconella oregana</i> Oregon meconella	PDPAP0G030	None	None	G2G3/S2	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Melica spectabilis</i> purple onion grass	PMPOA3X0G0	None	None	G5/S4	4.3		No	No
<i>Menodora scabra</i> var. <i>scabra</i> rough menodora	PDOLE09045	None	None	G5T4T5/S3	2B.3		Yes	Yes
<i>Menodora spinescens</i> var. <i>mohavensis</i> Mojave menodora	PDOLE09061	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Mentzelia eremophila</i> solitary blazing star	PDLOA030G0	None	None	G4/S4	4.2		Yes	No
<i>Mentzelia hirsutissima</i> hairy stickleaf	PDLOA030K0	None	None	G4/S3	2B.3		Yes	Yes
<i>Mentzelia inyoensis</i> Inyo blazing star	PDLOA032Z0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Mentzelia monoensis</i> Mono Craters blazing star	PDLOA032B0	None	None	G2/S2	4.3		No	No
<i>Mentzelia polita</i> polished blazing star	PDLOA031D0	None	None	G2G3/S2?	1B.2	BLM:S	Yes	Yes
<i>Mentzelia pterosperma</i> wing-seed blazing star	PDLOA031E0	None	None	G4/S1S2	2B.2		Yes	Yes
<i>Mentzelia puberula</i> Darlington's blazing star	PDLOA031F0	None	None	G5/S2	2B.2		No	Yes
<i>Mentzelia torreyi</i> Torrey's blazing star	PDLOA031S0	None	None	G4/S2	2B.2		No	Yes
<i>Mentzelia tricuspis</i> spiny-hair blazing star	PDLOA031T0	None	None	G4/S2	2B.1		No	Yes
<i>Mentzelia tridentata</i> creamy blazing star	PDLOA031U0	None	None	G3/S3	1B.3	BLM:S	Yes	Yes
<i>Mertensia bella</i> Oregon lungwort	PDBOR0N040	None	None	G4/S1	2B.2		No	Yes
<i>Mertensia cusickii</i> Toiyabe bluebells	PDBOR0N0M0	None	None	G4?/S2	2B.2		No	Yes
<i>Mertensia longiflora</i> long bluebells	PDBOR0N0D0	None	None	G4?/S2	2B.2		No	Yes
<i>Mertensia oblongifolia</i> var. <i>amoena</i> beautiful sagebrush bluebells	PDBOR0N0G1	None	None	G5T5/S2	2B.2		No	Yes
<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i> sagebrush bluebells	PDBOR0N0G2	None	None	G5T5/S3	2B.2		No	Yes
<i>Micranthes howellii</i> Howell's saxifrage	PDSAX0U0T0	None	None	G4/S3	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Micranthes marshallii</i> Marshall's saxifrage	PDSAX0U0X0	None	None	G5/S3	4.3		No	No
<i>Micromonolepis pusilla</i> dwarf monolepis	PDCHE0F020	None	None	G5/S3?	2B.3		No	Yes
<i>Micropus amphibolus</i> Mt. Diablo cottonweed	PDAST6D030	None	None	G3G4/S3S4	3.2		No	No
<i>Microseris borealis</i> northern microseris	PDAST6E030	None	None	G5/S1	2B.1		No	Yes
<i>Microseris douglasii</i> ssp. <i>platycarpha</i> small-flowered microseris	PDAST6E062	None	None	G4T4/S4	4.2		No	No
<i>Microseris laciniata</i> ssp. <i>detlingii</i> Detling's silverpuffs	PDAST6E0A1	None	None	G4T3/S1	2B.2		No	Yes
<i>Microseris paludosa</i> marsh microseris	PDAST6E0D0	None	None	G2/S2	1B.2		No	Yes
<i>Microseris sylvatica</i> sylvan microseris	PDAST6E0E0	None	None	G4/S4	4.2		No	No
<i>Mimulus rattanii</i> ssp. <i>decurtatus</i> Santa Cruz County monkeyflower	PDSCR1B2D2	None	None	G4T1T3Q/S1S 3	4.2		No	No
<i>Mimulus subsecundus</i> one-sided monkeyflower	PDSCR1B2K0	None	None	G3G4Q/S3S4	4.3		No	No
<i>Minuartia obtusiloba</i> alpine sandwort	PDCAR0G0N0	None	None	G5/S4	4.3		No	No
<i>Mirabilis coccinea</i> red four o'clock	PDNYC0A090	None	None	G5/S2	2B.3		Yes	Yes
<i>Mirabilis greenei</i> Greene's four o'clock	PDNYC0A0N0	None	None	G3/S3	4.2		No	No
<i>Mirabilis tenuiloba</i> slender-lobed four o'clock	PDNYC0A150	None	None	G5?/S4	4.3		No	No
<i>Mitellastra caulescens</i> leafy-stemmed mitrewort	PDSAX0N020	None	None	G5/S4	4.2		No	Yes
<i>Monarda pectinata</i> plains bee balm	PDLAM170A0	None	None	G5/SH	2B.3		No	Yes
<i>Monardella antonina</i> ssp. <i>antonina</i> San Antonio Hills monardella	PDLAM18011	None	None	G4T1T3Q/S1S 3	3		No	No
<i>Monardella antonina</i> ssp. <i>benitensis</i> San Benito monardella	PDLAM18012	None	None	G4T3/S3	4.3		No	No
<i>Monardella australis</i> ssp. <i>cinerea</i> gray monardella	PDLAM18060	None	None	G4T3/S3	4.3		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Monardella australis</i> ssp. <i>jokerstii</i> Jokerst's monardella	PDLAM18112	None	None	G4T1/S1	1B.1	USFS:S	No	Yes
<i>Monardella beneolens</i> sweet-smelling monardella	PDLAM180U0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Monardella boydii</i> Boyd's monardella	PDLAM18120	None	None	G1?Q/S1?	1B.2	BLM:S	Yes	Yes
<i>Monardella candicans</i> Sierra monardella	PDLAM18050	None	None	G4/S4	4.3		No	No
<i>Monardella eremicola</i> Clark Mountain monardella	PDLAM18130	None	None	G3Q/S3	1B.3	BLM:S	No	Yes
<i>Monardella follettii</i> Follett's monardella	PDLAM180W0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Monardella hypoleuca</i> ssp. <i>hypoleuca</i> white-veined monardella	PDLAM180A3	None	None	G4T3/S3	1B.3		No	Yes
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i> intermediate monardella	PDLAM180A4	None	None	G4T2?/S2?	1B.3		No	Yes
<i>Monardella hypoleuca</i> ssp. <i>lanata</i> felt-leaved monardella	PDLAM180A2	None	None	G4T3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Monardella leucocephala</i> Merced monardella	PDLAM180C0	None	None	GH/SH	1A		No	Yes
<i>Monardella linoides</i> ssp. <i>oblonga</i> Tehachapi monardella	PDLAM180D2	None	None	G5T2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Monardella macrantha</i> ssp. <i>hallii</i> Hall's monardella	PDLAM180E1	None	None	G5T3/S3	1B.3	USFS:S	Yes	Yes
<i>Monardella nana</i> ssp. <i>leptosiphon</i> San Felipe monardella	PDLAM180F2	None	None	G4G5T2Q/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Monardella palmeri</i> Palmer's monardella	PDLAM180H0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Monardella pringlei</i> Pringle's monardella	PDLAM180J0	None	None	GX/SX	1A		No	Yes
<i>Monardella robisonii</i> Robison's monardella	PDLAM180K0	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Monardella saxicola</i> rock monardella	PDLAM180Q1	None	None	G3/S3	4.2	USFS:S	No	No
<i>Monardella sinuata</i> ssp. <i>gerryi</i> Gerry's curly-leaved monardella	PDLAM18163	None	None	G3T1/S1	1B.1		No	Yes
<i>Monardella sinuata</i> ssp. <i>nigrescens</i> northern curly-leaved monardella	PDLAM18162	None	None	G3T2/S2	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Monardella sinuata</i> ssp. <i>sinuata</i> southern curly-leaved monardella	PDLAM18161	None	None	G3T2/S2	1B.2		No	Yes
<i>Monardella stebbinsii</i> Stebbins' monardella	PDLAM180L0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Monardella stoneana</i> Jennifer's monardella	PDLAM180Y0	None	None	G2/S1	1B.2	BLM:S	No	Yes
<i>Monardella undulata</i> ssp. <i>arguelloensis</i> Point Arguello monardella	PDLAM18151	None	None	G3T1/S1	1B.1		No	Yes
<i>Monardella undulata</i> ssp. <i>crispa</i> crisp monardella	PDLAM18070	None	None	G3T2/S2	1B.2	BLM:S	No	Yes
<i>Monardella undulata</i> ssp. <i>undulata</i> San Luis Obispo monardella	PDLAM180X0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Monardella venosa</i> veiny monardella	PDLAM18082	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Monardella viminea</i> willow monardella	PDLAM18140	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Monardella viridis</i> green monardella	PDLAM180Q2	None	None	G4/S4	4.3		No	No
<i>Moneses uniflora</i> woodnymph	PDPYR02010	None	None	G5/S2	2B.2		No	Yes
<i>Monolopia congdonii</i> San Joaquin woollythreads	PDASTA8010	Endangered	None	G2/S2	1B.2		Yes	Yes
<i>Monolopia gracilens</i> woodland woollythreads	PDAST6G010	None	None	G3/S3	1B.2		No	Yes
<i>Monotropia uniflora</i> ghost-pipe	PDMON03030	None	None	G5/S2	2B.2		No	Yes
<i>Montia howellii</i> Howell's montia	PDPOR05070	None	None	G3G4/S2	2B.2		No	Yes
<i>Mortonia utahensis</i> Utah mortonia	PDCEL09030	None	None	G4G5/S3?	4.3		No	No
<i>Mucronea californica</i> California spineflower	PDPGN0F010	None	None	G3/S3	4.2		Yes	No
<i>Muhlenbergia alopecuroides</i> wolftail	PMPOA3W020	None	None	G5/S1?	2B.2		No	Yes
<i>Muhlenbergia appressa</i> appressed muhly	PMPOA48020	None	None	G4/S3	2B.2		No	Yes
<i>Muhlenbergia arsenei</i> tough muhly	PMPOA48060	None	None	G5/S2	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Muhlenbergia californica</i> California muhly	PMPOA480A0	None	None	G4/S4	4.3		No	Yes
<i>Muhlenbergia fragilis</i> delicate muhly	PMPOA480Q0	None	None	G5/S2	2B.3		No	Yes
<i>Muhlenbergia jonesii</i> Jones' muhly	PMPOA480X0	None	None	G3/S3	4.3		No	No
<i>Muhlenbergia pauciflora</i> few-flowered muhly	PMPOA48170	None	None	G5/S2	2B.3		No	Yes
<i>Muilla coronata</i> crowned muilla	PMLIL1H020	None	None	G3/S3	4.2		No	No
<i>Munroa squarrosa</i> false buffalo-grass	PMPOA49010	None	None	G5/S2	2B.2		No	Yes
<i>Munzothamnus blairii</i> Blair's munzothamnus	PDAST8U0K0	None	None	G3/S3	1B.2		No	Yes
<i>Myosurus minimus ssp. apus</i> little mousetail	PDRAN0H031	None	None	G5T2Q/S2	3.1		No	Yes
<i>Myrica hartwegii</i> Sierra sweet bay	PDMCC02050	None	None	G4/S4	4.3		No	No
<i>Myriopteris wootonii</i> Wooton's lace fern	PPADI090S0	None	None	G5/S2	2B.3		No	Yes
<i>Nama dichotoma var. dichotoma</i> forked purple mat	PDHYD0A061	None	None	G5T5?/S1	2B.3		No	Yes
<i>Nama stenocarpa</i> mud nama	PDHYD0A0H0	None	None	G4G5/S1S2	2B.2		No	Yes
<i>Nasturtium gambelii</i> Gambel's water cress	PDBRA270V0	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Navarretia cotulifolia</i> cotula navarretia	PDPLM0C040	None	None	G4/S4	4.2		No	No
<i>Navarretia eriocephala</i> hoary navarretia	PDPLM0C060	None	None	G4/S4	4.3		No	No
<i>Navarretia fossalis</i> spreading navarretia	PDPLM0C080	Threatened	None	G2/S2	1B.1		Yes	Yes
<i>Navarretia gowenii</i> Lime Ridge navarretia	PDPLM0C120	None	None	G1/S1	1B.1		No	Yes
<i>Navarretia heterandra</i> Tehama navarretia	PDPLM0C0A0	None	None	G4/S4	4.3		No	No
<i>Navarretia jepsonii</i> Jepson's navarretia	PDPLM0C0D0	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Navarretia leucocephala ssp. bakeri</i> Baker's navarretia	PDPLM0C0E1	None	None	G4T2/S2	1B.1	BLM:S	No	Yes
<i>Navarretia leucocephala ssp. pauciflora</i> few-flowered navarretia	PDPLM0C0E4	Endangered	Threatened	G4T1/S1	1B.1		Yes	Yes
<i>Navarretia leucocephala ssp. plieantha</i> many-flowered navarretia	PDPLM0C0E5	Endangered	Endangered	G4T1/S1	1B.2		Yes	Yes
<i>Navarretia linearifolia ssp. pinnatisecta</i> pinnate-leaved navarretia	PDPLM04211	None	None	G4G5T4/S4	4.3		No	No
<i>Navarretia myersii ssp. deminuta</i> small pincushion navarretia	PDPLM0C0X2	None	None	G2T1/S1	1B.1		No	Yes
<i>Navarretia myersii ssp. myersii</i> pincushion navarretia	PDPLM0C0X1	None	None	G2T2/S2	1B.1		No	Yes
<i>Navarretia nigelliformis ssp. nigelliformis</i> adobe navarretia	PDPLM0C0J1	None	None	G4T3/S3	4.2		No	No
<i>Navarretia nigelliformis ssp. radians</i> shining navarretia	PDPLM0C0J2	None	None	G4T2/S2	1B.2	BLM:S	No	Yes
<i>Navarretia ojaiensis</i> Ojai navarretia	PDPLM0C130	None	None	G2/S2	1B.1	USFS:S	Yes	Yes
<i>Navarretia paradoxiclara</i> Patterson's navarretia	PDPLM0C150	None	None	G2/S2	1B.3		No	Yes
<i>Navarretia paradoxinota</i> Porter's navarretia	PDPLM0C160	None	None	G2/S2	1B.3		No	Yes
<i>Navarretia peninsularis</i> Baja navarretia	PDPLM0C0L0	None	None	G3/S2	1B.2	USFS:S	Yes	Yes
<i>Navarretia prolifera ssp. lutea</i> yellow bur navarretia	PDPLM0C0N1	None	None	G4T3/S3	4.3	USFS:S	No	No
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	G2/S2	1B.1		No	Yes
<i>Navarretia rosulata</i> Marin County navarretia	PDPLM0C0Z0	None	None	G2/S2	1B.2		No	Yes
<i>Navarretia setiloba</i> Piute Mountains navarretia	PDPLM0C0S0	None	None	G2/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Navarretia subuligera</i> awl-leaved navarretia	PDPLM0C0U0	None	None	G4/S4	4.3		No	No
<i>Nemacaulis denudata var. denudata</i> coast woolly-heads	PDPGN0G011	None	None	G3G4T2/S2	1B.2		Yes	Yes
<i>Nemacaulis denudata var. gracilis</i> slender cottonheads	PDPGN0G012	None	None	G3G4T3?/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Nemacladus calcaratus</i> Chimney Creek nemacladus	PDCAM0F0E0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Nemacladus gracilis</i> graceful nemacladus	PDCAM0F030	None	None	G4/S4	4.3		No	No
<i>Nemacladus secundiflorus</i> var. <i>robbinsii</i> Robbins' nemacladus	PDCAM0F0B2	None	None	G3T2/S2	1B.2	USFS:S	No	Yes
<i>Nemacladus secundiflorus</i> var. <i>secundiflorus</i> large-flowered nemacladus	PDCAM0F0B1	None	None	G3T3?/S3?	4.3		No	No
<i>Nemacladus twisselmannii</i> Twisselmann's nemacladus	PDCAM0F0D0	None	Rare	G1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Nemophila breviflora</i> Great Basin nemophila	PDHYD0B020	None	None	G4G5/S3	2B.3		No	Yes
<i>Nemophila parviflora</i> var. <i>quercifolia</i> oak-leaved nemophila	PDHYD0B073	None	None	G5T4T5/S4	4.3		No	No
<i>Neostapfia colusana</i> Colusa grass	PMPOA4C010	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Neviusia cliftonii</i> Shasta snow-wreath	PDROS14020	None	None	G2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Nitrophila mohavensis</i> Amargosa nitrophila	PDCHE0G010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Noccaea fendleri</i> ssp. <i>californica</i> Kneeland Prairie pennycress	PDBRA2P041	Endangered	None	G5?T1/S1	1B.1		No	Yes
<i>Nolina cismontana</i> chaparral nolina	PMAGA080E0	None	None	G3/S3	1B.2	USFS:S	Yes	Yes
<i>Nolina interrata</i> Dehesa nolina	PMAGA08070	None	Endangered	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Oenothera californica</i> ssp. <i>eurekaensis</i> Eureka Dunes evening-primrose	PDONA0C071	Endangered	Rare	G4?T2/S2	1B.2		Yes	Yes
<i>Oenothera cavernae</i> cave evening-primrose	PDONA0C090	None	None	G2G3/S1	2B.1		Yes	Yes
<i>Oenothera cespitosa</i> ssp. <i>crinita</i> caespitose evening-primrose	PDONA0C063	None	None	G5T4T5/S4	4.2		No	No
<i>Oenothera deltooides</i> ssp. <i>howellii</i> Antioch Dunes evening-primrose	PDONA0C0B4	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Oenothera longissima</i> long-stem evening-primrose	PDONA0C0T0	None	None	G4/S1	2B.2		No	Yes
<i>Oenothera wolfii</i> Wolf's evening-primrose	PDONA0C1K0	None	None	G2/S1	1B.1	BLM:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ophioglossum californicum</i> California adder's-tongue	PPOPH020G0	None	None	G4/S4	4.2		No	No
<i>Ophioglossum pusillum</i> northern adder's-tongue	PPOPH020F0	None	None	G5/S1	2B.2	USFS:S	No	Yes
<i>Opuntia basilaris</i> var. <i>brachyclada</i> short-joint beavertail	PDCAC0D053	None	None	G5T3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Opuntia basilaris</i> var. <i>treleasei</i> Bakersfield cactus	PDCAC0D055	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Opuntia fragilis</i> brittle prickly-pear	PDCAC0D0H0	None	None	G4G5/S1	2B.1		No	Yes
<i>Opuntia wigginsii</i> Wiggins' cholla	PDCAC0D1P0	None	None	G3?Q/S1?	3.3		No	Yes
<i>Opuntia xcurvispina</i> curved-spine beavertail	PDCAC0D270	None	None	G2G3/S1	2B.2		No	Yes
<i>Orcuttia californica</i> California Orcutt grass	PMPOA4G010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Orcuttia inaequalis</i> San Joaquin Valley Orcutt grass	PMPOA4G060	Threatened	Endangered	G1/S1	1B.1		No	Yes
<i>Orcuttia pilosa</i> hairy Orcutt grass	PMPOA4G040	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Orcuttia tenuis</i> slender Orcutt grass	PMPOA4G050	Threatened	Endangered	G2/S2	1B.1		Yes	Yes
<i>Orcuttia viscida</i> Sacramento Orcutt grass	PMPOA4G070	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Oreocarya roosiorum</i> bristlecone cryptantha	PDBOR0A2L0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Oreocarya schoolcraftii</i> Schoolcraft's cryptantha	PDBOR0A3H0	None	None	G3/S1	2B.2	BLM:S	No	Yes
<i>Oreonana purpurascens</i> purple mountain-parsley	PDAP1G020	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Oreonana vestita</i> woolly mountain-parsley	PDAP1G030	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Oreostemma elatum</i> tall alpine-aster	PDASTE020	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Ornithostaphylos oppositifolia</i> Baja California birdbush	PDERI0W010	None	Endangered	G3/S1	2B.1		Yes	Yes
<i>Orobanche ludoviciana</i> var. <i>arenosa</i> Suksdorf's broom-rape	PDORO04073	None	None	G5T5/S2	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Orobanche parishii</i> ssp. <i>brachyloba</i> short-lobed broomrape	PDORO040A2	None	None	G4?T4/S3	4.2		No	Yes
<i>Orobanche valida</i> ssp. <i>howellii</i> Howell's broomrape	PDORO040G1	None	None	G4T4/S4	4.3		No	No
<i>Orobanche valida</i> ssp. <i>valida</i> Rock Creek broomrape	PDORO040G2	None	None	G4T2/S2	1B.2	USFS:S	No	Yes
<i>Orthocarpus cuspidatus</i> ssp. <i>cuspidatus</i> Siskiyou Mountains orthocarpus	PDSCR1H081	None	None	G5T4/S4	4.3		No	No
<i>Orthocarpus pachystachyus</i> Shasta orthocarpus	PDSCR1H0L0	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Oryctes nevadensis</i> Nevada oryctes	PDSOL0Q010	None	None	G3/S2	2B.1		No	Yes
<i>Osmorhiza depauperata</i> blunt-fruited sweet-cicely	PDAP11K050	None	None	G5/S1	2B.3		No	Yes
<i>Oxalis suksdorfii</i> Suksdorf's wood-sorrel	PDOXA010U0	None	None	G4/S3	4.3		No	No
<i>Oxytheca watsonii</i> Watson's oxytheca	PDPGN0J070	None	None	G3?/S1	2B.2		No	Yes
<i>Oxytropis deflexa</i> var. <i>sericea</i> blue pendent-pod oxytrope	PDFAB2X053	None	None	G5T5/S1	2B.1		No	Yes
<i>Oxytropis oreophila</i> var. <i>oreophila</i> rock-loving oxytrope	PDFAB2X0H3	None	None	G5T4T5/S2	2B.3	USFS:S	No	Yes
<i>Oxytropis parryi</i> Parry's oxytrope	PDFAB2X0J0	None	None	G5/S4	4.3		No	No
<i>Packera bernardina</i> San Bernardino ragwort	PDAST8H0E0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Packera bolanderi</i> var. <i>bolanderi</i> seacoast ragwort	PDAST8H0H1	None	None	G4T4/S2S3	2B.2		No	Yes
<i>Packera eurycephala</i> var. <i>lewisrosei</i> Lewis Rose's ragwort	PDAST8H182	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Packera ganderi</i> Gander's ragwort	PDAST8H1F0	None	Rare	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Packera hesperia</i> western ragwort	PDAST8H1L0	None	None	G3/S1	2B.2	USFS:S	No	Yes
<i>Packera indecora</i> rayless mountain ragwort	PDAST8H1R0	None	None	G5/S2?	2B.2		No	Yes
<i>Packera ionophylla</i> Tehachapi ragwort	PDAST8H1T0	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Packera layneae</i> Layne's ragwort	PDAST8H1V0	Threatened	Rare	G2/S2	1B.2		Yes	Yes
<i>Packera macounii</i> Siskiyou Mountains ragwort	PDAST8H1Z0	None	None	G5/S3	4.3		No	No
<i>Palafoxia arida</i> var. <i>gigantea</i> giant spanish-needle	PDAST6T012	None	None	G5T3?/S2	1B.3	BLM:S	Yes	Yes
<i>Panicum acuminatum</i> var. <i>thermale</i> Geysers panicum	PMPOA24028	None	Endangered	G5T2Q/S2	1B.2	BLM:S	No	Yes
<i>Panicum hirticaule</i> ssp. <i>hirticaule</i> roughstalk witch grass	PMPOA4K170	None	None	G5T5/S2	2B.1		No	Yes
<i>Parkinsonia microphylla</i> little-leaved palo verde	PDFAB2Z030	None	None	G5/S3	4.3		Yes	No
<i>Parnassia cirrata</i> var. <i>cirrata</i> San Bernardino grass-of-Parnassus	PDSAX0P030	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Parnassia cirrata</i> var. <i>intermedia</i> Cascade grass-of-Parnassus	PDSAX0P044	None	None	G5T4/S3	2B.2	USFS:S	No	Yes
<i>Parnassia parviflora</i> small-flowered grass-of-Parnassus	PDSAX0P0A0	None	None	G5?/S2	2B.2		No	Yes
<i>Paronychia ahartii</i> Ahart's paronychia	PDCAR0L0V0	None	None	G3/S3	1B.1	BLM:S	No	Yes
<i>Pedicularis bracteosa</i> var. <i>flavida</i> yellowish lousewort	PDSCR1K044	None	None	G5T4/S3	4.3		No	No
<i>Pedicularis centranthera</i> Great Basin lousewort	PDSCR1K070	None	None	G4/S2	2B.3	BLM:S	No	Yes
<i>Pedicularis contorta</i> curved-beak lousewort	PDSCR1K090	None	None	G5/S3	4.3		No	No
<i>Pedicularis crenulata</i> scalloped-leaved lousewort	PDSCR1K0A0	None	None	G4/S1	2B.2		No	Yes
<i>Pedicularis dudleyi</i> Dudley's lousewort	PDSCR1K0D0	None	Rare	G2/S2	1B.2	USFS:S	No	Yes
<i>Pedicularis howellii</i> Howell's lousewort	PDSCR1K0J0	None	None	G4/S3	4.3	USFS:S	No	No
<i>Pediomelum castoreum</i> Beaver Dam breadroot	PDFAB5L050	None	None	G3/S2	1B.2	BLM:S	No	Yes
<i>Pellaea truncata</i> spiny cliff-brake	PPAD10H0C0	None	None	G5/S3	2B.3		No	Yes
<i>Penstemon albomarginatus</i> white-margined beardtongue	PDSCR1L070	None	None	G2/S1	1B.1	BLM:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Penstemon barnebyi</i> Barneby's beardtongue	PDSCR1L0Q0	None	None	G3G4/S1	2B.1		No	Yes
<i>Penstemon bicolor ssp. roseus</i> rosy two-toned beardtongue	PDSCR1L0S2	None	None	G3T3Q/S1	1B.1	BLM:S	Yes	Yes
<i>Penstemon calcareus</i> limestone beardtongue	PDSCR1L100	None	None	G3?/S3?	1B.3		No	Yes
<i>Penstemon californicus</i> California beardtongue	PDSCR1L110	None	None	G3/S2	1B.2	USFS:S	Yes	Yes
<i>Penstemon cinereus</i> gray beardtongue	PDSCR1L7F0	None	None	G4Q/S4	4.3		Yes	No
<i>Penstemon cinicola</i> ashy-gray beardtongue	PDSCR1L1B0	None	None	G4/S3	4.3		No	No
<i>Penstemon clevelandii var. connatus</i> San Jacinto beardtongue	PDSCR1L1D2	None	None	G5T4/S3	4.3		Yes	No
<i>Penstemon filiformis</i> thread-leaved beardtongue	PDSCR1L2A0	None	None	G3/S3	1B.3	BLM:S	No	Yes
<i>Penstemon fruticiformis var. amargosae</i> Amargosa beardtongue	PDSCR1L2F2	None	None	G4T3/S2	1B.3	BLM:S	Yes	Yes
<i>Penstemon heterodoxus var. shastensis</i> Shasta beardtongue	PDSCR1L5Q0	None	None	G5T3/S3	4.3		No	No
<i>Penstemon janishiae</i> Janish's beardtongue	PDSCR1L3A0	None	None	G4/S1	2B.2	BLM:S	No	Yes
<i>Penstemon newberryi var. sonomensis</i> Sonoma beardtongue	PDSCR1L483	None	None	G4T2/S2	1B.3		No	Yes
<i>Penstemon pahutensis</i> Pahute beardtongue	PDSCR1L4H0	None	None	G3/S1	2B.3		No	Yes
<i>Penstemon papillatus</i> Inyo beardtongue	PDSCR1L4L0	None	None	G3/S3	4.3		No	No
<i>Penstemon personatus</i> closed-throated beardtongue	PDSCR1L4Y0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Penstemon pseudospectabilis ssp. pseudospectabilis</i> desert beardtongue	PDSCR1L562	None	None	G4G5T4/S3	2B.2		No	Yes
<i>Penstemon rattanii var. kleei</i> Santa Cruz Mountains beardtongue	PDSCR1L5B1	None	None	G4T2/S2	1B.2		No	Yes
<i>Penstemon scapoides</i> pinyon beardtongue	PDSCR1L5J0	None	None	G3/S3	4.3		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Penstemon stephensii</i> Stephens' beardtongue	PDSCR1L5W0	None	None	G3?/S3?	1B.3	BLM:S	Yes	Yes
<i>Penstemon sudans</i> Susanville beardtongue	PDSCR1L620	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Penstemon thompsoniae</i> Thompson's beardtongue	PDSCR1L670	None	None	G4/S1	2B.3		Yes	Yes
<i>Penstemon thurberi</i> Thurber's beardtongue	PDSCR1L680	None	None	G5/S3	4.2		Yes	No
<i>Penstemon tracyi</i> Tracy's beardtongue	PDSCR1L6A0	None	None	G2/S2	1B.3	USFS:S	Yes	Yes
<i>Penstemon utahensis</i> Utah beardtongue	PDSCR1L6G0	None	None	G4/S2	2B.3		No	Yes
<i>Pentachaeta aurea ssp. allenii</i> Allen's pentachaeta	PDAST6X021	None	None	G4T1/S1	1B.1		No	Yes
<i>Pentachaeta aurea ssp. aurea</i> golden-rayed pentachaeta	PDAST6X022	None	None	G4T3/S3	4.2		Yes	No
<i>Pentachaeta bellidiflora</i> white-rayed pentachaeta	PDAST6X030	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Pentachaeta exilis ssp. aeolica</i> San Benito pentachaeta	PDAST6X041	None	None	G5T2/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Pentachaeta fragilis</i> fragile pentachaeta	PDAST6X050	None	None	G3/S3	4.3		No	No
<i>Pentachaeta lyonii</i> Lyon's pentachaeta	PDAST6X060	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Perideridia bacigalupii</i> Bacigalupi's yampah	PDAPI1N020	None	None	G3/S3	4.2		No	No
<i>Perideridia gairdneri ssp. gairdneri</i> California Gairdner's yampah	PDAPI1N062	None	None	G5T4/S4	4.2		No	No
<i>Perideridia leptocarpa</i> narrow-seeded yampah	PDAPI1N0A0	None	None	G3Q/S3	4.3		No	No
<i>Perideridia parishii ssp. parishii</i> Parish's yampah	PDAPI1N0C2	None	None	G4T3T4/S2	2B.2		No	Yes
<i>Perideridia pringlei</i> adobe yampah	PDAPI1N0D0	None	None	G4/S4	4.3		No	No
<i>Perityle inyoensis</i> Inyo rock daisy	PDAST700F0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Perityle villosa</i> Hanaupah rock daisy	PDAST700V0	None	None	G2/S2	1B.3	BLM:S	No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Petalonyx linearis</i> narrow-leaf sandpaper-plant	PDLOA04010	None	None	G4/S3?	2B.3		No	Yes
<i>Petalonyx thurberi</i> ssp. <i>gilmanii</i> Death Valley sandpaper-plant	PDLOA04041	None	None	G5T2/S2	1B.3	BLM:S	No	Yes
<i>Peteria thompsoniae</i> spine-noded milk vetch	PDFAB32020	None	None	G4/S1	2B.1		No	Yes
<i>Petradoria pumila</i> ssp. <i>pumila</i> rock goldenrod	PDAST72022	None	None	G5T4/S4?	4.3		No	No
<i>Petrophytum caespitosum</i> ssp. <i>acuminatum</i> marble rockmat	PDROS18010	None	None	G5T2/S2	1B.3	USFS:S	No	Yes
<i>Phacelia amabilis</i> Saline Valley phacelia	PDHYD0C040	None	None	GHQ/SH	3.3		No	Yes
<i>Phacelia anelsonii</i> Aven Nelson's phacelia	PDHYD0C060	None	None	G3/S2	2B.3		Yes	Yes
<i>Phacelia argentea</i> sand dune phacelia	PDHYD0C070	None	None	G2/S1	1B.1		Yes	Yes
<i>Phacelia barnebyana</i> Barneby's phacelia	PDHYD0C0C0	None	None	G3?/S2	2B.3		No	Yes
<i>Phacelia ciliata</i> var. <i>opaca</i> Merced phacelia	PDHYD0C0S2	None	None	G5TH/SH	3.2		No	Yes
<i>Phacelia coerulea</i> sky-blue phacelia	PDHYD0C0U0	None	None	G5/S2	2B.3		No	Yes
<i>Phacelia cookei</i> Cooke's phacelia	PDHYD0C0Y0	None	None	G1/S1	1B.1	BLM:S USFS:S	Yes	Yes
<i>Phacelia exilis</i> Transverse Range phacelia	PDHYD0C4Y0	None	None	G4Q/S4	4.3		Yes	No
<i>Phacelia floribunda</i> many-flowered phacelia	PDHYD0C1G0	None	None	G2/S2	1B.2		No	Yes
<i>Phacelia greenei</i> Scott Valley phacelia	PDHYD0C1V0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Phacelia gymnoclada</i> naked-stemmed phacelia	PDHYD0C1X0	None	None	G4/S2	2B.3		No	Yes
<i>Phacelia hubbyi</i> Hubby's phacelia	PDHYD0C0R4	None	None	G4/S4	4.2		No	No
<i>Phacelia insularis</i> var. <i>continentis</i> North Coast phacelia	PDHYD0C2B1	None	None	G2T2/S2	1B.2		No	Yes
<i>Phacelia insularis</i> var. <i>insularis</i> northern Channel Islands phacelia	PDHYD0C2B2	Endangered	None	G2T1/S1	1B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Phacelia inundata</i> playa phacelia	PDHYD0C2E0	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Phacelia inyoensis</i> Inyo phacelia	PDHYD0C2F0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Phacelia keckii</i> Santiago Peak phacelia	PDHYD0C4G1	None	None	G1/S1	1B.3	USFS:S	No	Yes
<i>Phacelia leonis</i> Siskiyou phacelia	PDHYD0C2N0	None	None	G3/S2?	1B.3	BLM:S	No	Yes
<i>Phacelia mohavensis</i> Mojave phacelia	PDHYD0C310	None	None	G4Q/S4	4.3		Yes	No
<i>Phacelia monoensis</i> Mono County phacelia	PDHYD0C4V0	None	None	G3/S2	1B.1	BLM:S USFS:S	No	Yes
<i>Phacelia mustelina</i> Death Valley round-leaved phacelia	PDHYD0C330	None	None	G3/S2	1B.3	BLM:S	No	Yes
<i>Phacelia nashiana</i> Charlotte's phacelia	PDHYD0C350	None	None	G3/S3	1B.2	BLM:S	Yes	Yes
<i>Phacelia novemmillensis</i> Nine Mile Canyon phacelia	PDHYD0C3A0	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Phacelia orogenes</i> Sierra phacelia	PDHYD0C3C0	None	None	G3/S3	4.3		No	No
<i>Phacelia parishii</i> Parish's phacelia	PDHYD0C3G0	None	None	G2G3/S1	1B.1	BLM:S	No	Yes
<i>Phacelia peirsoniana</i> Peirson's phacelia	PDHYD0C3N0	None	None	G3G4/S3	4.3		No	No
<i>Phacelia perityloides</i> var. <i>jaegeri</i> Jaeger's phacelia	PDHYD0C1M0	None	None	G4T2/S2	1B.3		No	Yes
<i>Phacelia phacelioides</i> Mt. Diablo phacelia	PDHYD0C3Q0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Phacelia pulchella</i> var. <i>gooddingii</i> Goodding's phacelia	PDHYD0C3V1	None	None	G5T3/S2	2B.2		No	Yes
<i>Phacelia ramosissima</i> var. <i>australitoralis</i> south coast branching phacelia	PDHYD0C416	None	None	G5?T3/S3	3.2		No	No
<i>Phacelia sericea</i> var. <i>ciliosa</i> blue alpine phacelia	PDHYD0C4A1	None	None	G5T4T5/S3	2B.3		No	Yes
<i>Phacelia stebbinsii</i> Stebbins' phacelia	PDHYD0C4D0	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Phacelia stellaris</i> Brand's star phacelia	PDHYD0C510	None	None	G1/S1	1B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Phaseolus filiformis</i> slender-stem bean	PDFAB330P0	None	None	G5/S1	2B.1		No	Yes
<i>Phlox dispersa</i> High Sierra phlox	PDPLM0D0M0	None	None	G4/S4	4.3		No	No
<i>Phlox dolichantha</i> Big Bear Valley phlox	PDPLM0D0P0	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Phlox hirsuta</i> Yreka phlox	PDPLM0D100	Endangered	Endangered	G1/S1	1B.2		Yes	Yes
<i>Phlox muscoides</i> squarestem phlox	PDPLM0D115	None	None	G4G5/S3	2B.3		No	Yes
<i>Pholisma sonorae</i> sand food	PDLNN02020	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Pholistoma auritum</i> var. <i>arizonicum</i> Arizona pholistoma	PDHYD0D011	None	None	G5T4?/S3	2B.3		Yes	Yes
<i>Physalis lobata</i> lobed ground-cherry	PDSOL0T010	None	None	G5/S1S2	2B.3		Yes	Yes
<i>Physaria chambersii</i> Chambers' physaria	PDBRA22050	None	None	G5/S2S3	2B.3		Yes	Yes
<i>Physaria kingii</i> ssp. <i>bernardina</i> San Bernardino Mountains bladderpod	PDBRA1N0W1	Endangered	None	G5T1/S1	1B.1		Yes	Yes
<i>Physaria ludoviciana</i> silver bladderpod	PDBRA1N110	None	None	G5/S1	2B.2		No	Yes
<i>Physocarpus alternans</i> Nevada ninebark	PDR0S19010	None	None	G4/S3	2B.3		No	Yes
<i>Picea engelmannii</i> Engelmann spruce	PGPIN03030	None	None	G5/S2	2B.2		No	Yes
<i>Pickeringia montana</i> var. <i>tomentosa</i> woolly chaparral-pea	PDFAB34012	None	None	G5T3T4/S3S4	4.3		Yes	No
<i>Pilostyles thurberi</i> Thurber's pilostyles	PDRAF01010	None	None	G5/S4	4.3		No	Yes
<i>Pinguicula macroceras</i> horned butterwort	PDLNT01040	None	None	G4/S2	2B.2		No	Yes
<i>Pinus contorta</i> ssp. <i>bolanderi</i> Bolander's beach pine	PGPIN04081	None	None	G5T2/S2	1B.2		No	Yes
<i>Pinus edulis</i> two-needle pinyon pine	PGPIN040C0	None	None	G5/S3	3.3		No	No
<i>Pinus longaeva</i> bristlecone pine	PGPIN04180	None	None	G4/S3S4	4.3		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Pinus radiata</i> Monterey pine	PGPIN040V0	None	None	G1/S1	1B.1		Yes	Yes
<i>Pinus torreyana ssp. insularis</i> Santa Rosa Island Torrey pine	PGPIN04151	None	None	G1T1/S1	1B.2		Yes	Yes
<i>Pinus torreyana ssp. torreyana</i> Torrey pine	PGPIN04152	None	None	G1T1/S1	1B.2		Yes	Yes
<i>Piperia candida</i> white-flowered rein orchid	PMORC1X050	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Piperia colemanii</i> Coleman's rein orchid	PMORC1X080	None	None	G4/S4	4.3		No	No
<i>Piperia cooperi</i> chaparral rein orchid	PMORC1X090	None	None	G3/S3	4.2		No	No
<i>Piperia elegans ssp. decurtata</i> Point Reyes rein orchid	PMORC1X011	None	None	G4T1/S1	1B.1		No	Yes
<i>Piperia leptopetala</i> narrow-petaled rein orchid	PMORC1X100	None	None	G4/S4	4.3		No	No
<i>Piperia michaelii</i> Michael's rein orchid	PMORC1X110	None	None	G3/S3	4.2		No	No
<i>Piperia yadonii</i> Yadon's rein orchid	PMORC1X070	Endangered	None	G1/S1	1B.1		No	Yes
<i>Pityopus californicus</i> California pinefoot	PDMON05010	None	None	G4G5/S4	4.2		No	No
<i>Plagiobothrys chorisianus var. chorisianus</i> Choris' popcornflower	PDBOR0V061	None	None	G3T2Q/S2	1B.2		No	Yes
<i>Plagiobothrys chorisianus var. hickmanii</i> Hickman's popcornflower	PDBOR0V062	None	None	G3T3Q/S3	4.2		No	No
<i>Plagiobothrys diffusus</i> San Francisco popcornflower	PDBOR0V080	None	Endangered	G1Q/S1	1B.1		No	Yes
<i>Plagiobothrys glaber</i> hairless popcornflower	PDBOR0V0B0	None	None	GH/SH	1A		No	Yes
<i>Plagiobothrys glyptocarpus var. modestus</i> Cedar Crest popcornflower	PDBOR0V0C2	None	None	G3THQ/SH	3		No	No
<i>Plagiobothrys hystriculus</i> bearded popcornflower	PDBOR0V0H0	None	None	G2/S2	1B.1		No	Yes
<i>Plagiobothrys lithocaryus</i> Mayacamas popcornflower	PDBOR0V0P0	None	None	GH/SH	1A		No	Yes
<i>Plagiobothrys mollis var. vestitus</i> Petaluma popcornflower	PDBOR0V0Q2	None	None	G4?TX/SX	1A		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Plagiobothrys nitens</i> shiny-nutlet popcornflower	PDBOR0V1B0	None	None	GNR/S1	2B.1		No	Yes
<i>Plagiobothrys parishii</i> Parish's popcornflower	PDBOR0V0U0	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Plagiobothrys salsus</i> desert popcornflower	PDBOR0V0X0	None	None	G2G3/S1	2B.2		No	Yes
<i>Plagiobothrys strictus</i> Calistoga popcornflower	PDBOR0V120	Endangered	Threatened	G1/S1	1B.1		Yes	Yes
<i>Plagiobothrys torreyi</i> var. <i>perplexans</i> chaparral popcornflower	PDBOR0V153	None	None	G4T3?/S3?	4.3		No	No
<i>Plagiobothrys torreyi</i> var. <i>torreyi</i> Yosemite popcornflower	PDBOR0V152	None	None	G4T3Q/S3	1B.2		No	Yes
<i>Plagiobothrys uncinatus</i> hooked popcornflower	PDBOR0V170	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Plagiobothrys verrucosus</i> warted popcornflower	PDBOR0V1D0	None	None	G4G5/S1	2B.1		No	Yes
<i>Platanthera stricta</i> slender bog-orchid	PMORC1Y0P0	None	None	G5/S3	4.2		No	No
<i>Platanthera yosemitensis</i> Yosemite bog orchid	PMORC1Y1B0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Platystemon californicus</i> var. <i>ciliatus</i> Santa Barbara Island cream cups	PDPAP0J022	None	None	G5T1Q/S1	1B.2		No	Yes
<i>Pleuropogon californicus</i> var. <i>davyi</i> Davy's semaphore grass	PMPOA7Y012	None	None	G5T3/S3	4.3		No	No
<i>Pleuropogon hooverianus</i> North Coast semaphore grass	PMPOA4Y070	None	Threatened	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Pleuropogon refractus</i> nodding semaphore grass	PMPOA4Y080	None	None	G4/S4	4.2		No	No
<i>Poa abbreviata</i> ssp. <i>marshii</i> Marsh's blue grass	PMPOA4Z013	None	None	G5T2/S1	2B.3		No	Yes
<i>Poa abbreviata</i> ssp. <i>pattersonii</i> Patterson's blue grass	PMPOA4Z015	None	None	G5T5/S1	2B.3		No	Yes
<i>Poa atropurpurea</i> San Bernardino blue grass	PMPOA4Z0A0	Endangered	None	G2/S2	1B.2		Yes	Yes
<i>Poa diaboli</i> Diablo Canyon blue grass	PMPOA4Z390	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Poa lettermanii</i> Letterman's blue grass	PMPOA4Z1H0	None	None	G4/S3	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Poa napensis</i> Napa blue grass	PMPOA4Z1R0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Poa piperi</i> Piper's blue grass	PMPOA4Z200	None	None	G4/S3	4.3		No	No
<i>Poa rhizomata</i> timber blue grass	PMPOA4Z250	None	None	G3G4/S3S4	4.3		No	No
<i>Poa sierrae</i> Sierra blue grass	PMPOA4Z310	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Podistera nevadensis</i> Sierra podistera	PDAP11T030	None	None	G4/S4	4.3		No	No
<i>Pogogyne abramsii</i> San Diego mesa mint	PDLAM1K010	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Pogogyne clareana</i> Santa Lucia mint	PDLAM1K020	None	Endangered	G2/S2	1B.2		Yes	Yes
<i>Pogogyne floribunda</i> profuse-flowered pogogyne	PDLAM1K070	None	None	G3G4/S3	4.2		No	Yes
<i>Pogogyne nudiuscula</i> Otay Mesa mint	PDLAM1K040	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Polemonium carneum</i> Oregon polemonium	PDPLM0E050	None	None	G3G4/S2	2B.2		No	Yes
<i>Polemonium chartaceum</i> Mason's sky pilot	PDPLM0E0T0	None	None	G2/S2	1B.3	USFS:S	Yes	Yes
<i>Polemonium eddyense</i> Mt. Eddy sky pilot	PDPLM0E0S0	None	None	G1/S1	1B.2		No	Yes
<i>Polemonium pulcherrimum</i> var. <i>shastense</i> Mt. Shasta sky pilot	PDPLM0E0J4	None	None	G5T2/S2	1B.2		No	Yes
<i>Poliomintha incana</i> frosted mint	PDLAM1L020	None	None	G5/SH	2A		No	Yes
<i>Polyctenium fremontii</i> var. <i>fremontii</i> Fremont's combleaf	PDBRA23012	None	None	G4T4/S4	4.3		No	No
<i>Polyctenium williamsiae</i> Williams' combleaf	PDBRA23030	None	None	G2Q/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Polygala acanthoclada</i> thorny milkwort	PDPGL02020	None	None	G4/S2S3	2B.3		No	Yes
<i>Polygala cornuta</i> var. <i>fishiae</i> Fish's milkwort	PDPGL020B2	None	None	G5T4/S4	4.3		No	No
<i>Polygala heterorhyncha</i> notch-beaked milkwort	PDPGL02270	None	None	G2/S2	2B.3		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Polygala intermontana</i> intermountain milkwort	PDPGL021U0	None	None	G4/S2	2B.1		No	Yes
<i>Polygala subspinosa</i> spiny milkwort	PDPGL021Q0	None	None	G4?/S3	2B.2		No	Yes
<i>Polygonum bidwelliae</i> Bidwell's knotweed	PDPGN0L0C0	None	None	G4/S4	4.3		No	No
<i>Polygonum hickmanii</i> Scotts Valley polygonum	PDPGN0L310	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Polygonum marinense</i> Marin knotweed	PDPGN0L1C0	None	None	G2Q/S2	3.1		No	Yes
<i>Polygonum polygaloides ssp. esotericum</i> Modoc County knotweed	PDPGN0L1Y2	None	None	G4G5T3/S3	1B.3	BLM:S	No	Yes
<i>Polystichum kruckebergii</i> Kruckeberg's sword fern	PPDRY0R0C0	None	None	G4/S4	4.3		No	No
<i>Polystichum lonchitis</i> northern holly fern	PPDRY0R0F0	None	None	G5/S3	3		No	No
<i>Populus angustifolia</i> narrow-leaved cottonwood	PDSAL01020	None	None	G5/S2	2B.2		No	Yes
<i>Portulaca halimoides</i> desert portulaca	PDPOR06040	None	None	G5/S3	4.2		Yes	No
<i>Potamogeton epiphydrus</i> Nuttall's ribbon-leaved pondweed	PMPOT03080	None	None	G5/S2S3	2B.2		No	Yes
<i>Potamogeton foliosus ssp. fibrillosus</i> fibrous pondweed	PMPOT030B1	None	None	G5T2T4/S1S2	2B.3		No	Yes
<i>Potamogeton praelongus</i> white-stemmed pondweed	PMPOT030V0	None	None	G5/S2	2B.3		No	Yes
<i>Potamogeton robbinsii</i> Robbins' pondweed	PMPOT030Z0	None	None	G5/S3	2B.3		No	Yes
<i>Potamogeton zosteriformis</i> eel-grass pondweed	PMPOT03160	None	None	G5/S3	2B.2		No	Yes
<i>Potentilla basaltica</i> Black Rock potentilla	PDROS1B270	None	None	G1/S1	1B.3	BLM:S USFS:S	No	Yes
<i>Potentilla concinna var. proxima</i> early cinquefoil	PDROS1B0F8	None	None	G5?T4T5/S1	2B.3		No	Yes
<i>Potentilla cristae</i> crested potentilla	PDROS1B2F0	None	None	G2/S2	1B.3		No	Yes
<i>Potentilla hickmanii</i> Hickman's cinquefoil	PDROS1B0U0	Endangered	Endangered	G1/S1	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Potentilla morefieldii</i> Morefield's cinquefoil	PDROS1B2R0	None	None	G2/S2	1B.3	USFS:S	No	Yes
<i>Potentilla multijuga</i> Ballona cinquefoil	PDROS1B120	None	None	GX/SX	1A		No	Yes
<i>Potentilla newberryi</i> Newberry's cinquefoil	PDROS1B130	None	None	G3G4/S2S3	2B.3		No	Yes
<i>Potentilla pulcherrima</i> beautiful cinquefoil	PDROS1B2P0	None	None	G5/S1	2B.2		No	Yes
<i>Potentilla rimicola</i> cliff cinquefoil	PDROS1B2G0	None	None	G2/S1	2B.3	USFS:S	No	Yes
<i>Potentilla uliginosa</i> Cunningham Marsh cinquefoil	PDROS1B4A0	None	None	GH/SH	1A		No	Yes
<i>Primula pauciflora</i> beautiful shootingstar	PDPRI030D0	None	None	G5/S3	4.2		No	No
<i>Proboscidea althaeifolia</i> desert unicorn-plant	PDPED06010	None	None	G5/S4	4.3		Yes	No
<i>Prosartes parvifolia</i> Siskiyou bells	PMLIL0R014	None	None	G2/S1S2	1B.2	USFS:S	No	Yes
<i>Prunus eremophila</i> Mojave Desert plum	PDROS1C1Q0	None	None	G2/S2	1B.2		No	Yes
<i>Prunus fasciculata</i> var. <i>punctata</i> sand almond	PDROS1C0E2	None	None	G5T4/S4	4.3		No	No
<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	PDAST7P010	Endangered	Endangered	G2/S2	1B.1		Yes	Yes
<i>Pseudobahia peirsonii</i> San Joaquin adobe sunburst	PDAST7P030	Threatened	Endangered	G1/S1	1B.1		Yes	Yes
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	PDAST440C0	None	None	G4/S2	2B.2		No	Yes
<i>Pseudorontium cyathiferum</i> Deep Canyon snapdragon	PDSCR2R010	None	None	G4G5/S1	2B.3		No	Yes
<i>Pseudostellaria sierrae</i> Sierra starwort	PDCAR13020	None	None	G3G4/S3	4.2		No	No
<i>Psilocarphus brevissimus</i> var. <i>multiflorus</i> Delta woolly-marbles	PDAST7R012	None	None	G4T3/S3	4.2		No	No
<i>Psilocarphus elatior</i> tall woolly-marbles	PDAST7R020	None	None	G4G5Q/S2S3	4.3		No	No
<i>Psoralea arborescens</i> var. <i>arborescens</i> Mojave indigo-bush	PDFAB3C011	None	None	G5T4/S4	4.3		Yes	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Psoralea fremontii</i> var. <i>attenuata</i> narrow-leaved psoralea	PDFAB3C031	None	None	G5T4?/S3	2B.3		No	Yes
<i>Puccinellia howellii</i> Howell's alkali grass	PMPOA531A0	None	None	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Puccinellia parishii</i> Parish's alkali grass	PMPOA530T0	None	None	G3/S1	1B.1	BLM:S	No	Yes
<i>Puccinellia pumila</i> dwarf alkali grass	PMPOA531L0	None	None	G4?/SH	2B.2		No	Yes
<i>Puccinellia simplex</i> California alkali grass	PMPOA53110	None	None	G3/S2	1B.2		No	Yes
<i>Pyrola chlorantha</i> green-flowered wintergreen	PDPYR04030	None	None	G5/SH	2A		No	Yes
<i>Pyrocoma lucida</i> sticky pyrocoma	PDASTDT0E0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Pyrocoma racemosa</i> var. <i>congesta</i> Del Norte pyrocoma	PDASTDT0F4	None	None	G5T4/S2	2B.3		No	Yes
<i>Pyrocoma racemosa</i> var. <i>pinetorum</i> pine pyrocoma	PDASTDT0F2	None	None	G5T3/S3	4.2		No	No
<i>Pyrocoma uniflora</i> var. <i>gossypina</i> Bear Valley pyrocoma	PDASTDT0K1	None	None	G5T1/S1	1B.2	USFS:S	Yes	Yes
<i>Quercus cedrosensis</i> Cedros Island oak	PDFAG05650	None	None	G3/S1	2B.2		No	Yes
<i>Quercus dumosa</i> Nuttall's scrub oak	PDFAG050D0	None	None	G3/S3	1B.1	USFS:S	No	Yes
<i>Quercus durata</i> var. <i>gabrielensis</i> San Gabriel oak	PDFAG050G2	None	None	G4T3/S3	4.2		No	No
<i>Quercus engelmannii</i> Engelmann oak	PDFAG050K0	None	None	G3/S3	4.2		No	No
<i>Quercus pacifica</i> island scrub oak	PDFAG05620	None	None	G4/S4	4.2		No	No
<i>Quercus parvula</i> var. <i>parvula</i> Santa Cruz Island oak	PDFAG051Q1	None	None	G4T3/S3	4.2		No	No
<i>Quercus parvula</i> var. <i>tamalpaisensis</i> Tamalpais oak	PDFAG051Q3	None	None	G4T2/S2	1B.3		No	Yes
<i>Quercus tomentella</i> island oak	PDFAG05250	None	None	G3/S3	4.2		No	No
<i>Quercus turbinella</i> shrub live oak	PDFAG05270	None	None	G5/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Raillardella pringlei</i> showy raillardella	PDAST7X030	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Ranunculus hydrocharoides</i> frog's-bit buttercup	PDRAN0L190	None	None	G4/S1	2B.1		No	Yes
<i>Ranunculus lobbii</i> Lobb's aquatic buttercup	PDRAN0L1J0	None	None	G4/S3	4.2		No	No
<i>Ranunculus macounii</i> Macoun's buttercup	PDRAN0L1M0	None	None	G5/S1	2B.2		No	Yes
<i>Rhamnus alnifolia</i> alder buckthorn	PDRHA0C010	None	None	G5/S3	2B.2		No	Yes
<i>Rhamnus pirifolia</i> island redberry	PDRHA0C0A0	None	None	G4/S4	4.2		Yes	No
<i>Rhus aromatica</i> var. <i>simplicifolia</i> single-leaved skunkbrush	PDANA080B5	None	None	G5T5/S2	2B.3		No	Yes
<i>Rhynchospora alba</i> white beaked-rush	PMCYP0N010	None	None	G5/S2	2B.2		No	Yes
<i>Rhynchospora californica</i> California beaked-rush	PMCYP0N060	None	None	G1/S1	1B.1	BLM:S	No	Yes
<i>Rhynchospora capitellata</i> brownish beaked-rush	PMCYP0N080	None	None	G5/S1	2B.2		No	Yes
<i>Rhynchospora globularis</i> round-headed beaked-rush	PMCYP0N0W0	None	None	G4/S1	2B.1		No	Yes
<i>Ribes amarum</i> var. <i>hoffmannii</i> Hoffmann's bitter gooseberry	PDGRO02012	None	None	G4?T3/S3	3		No	No
<i>Ribes canthariforme</i> Moreno currant	PDGRO02070	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Ribes divaricatum</i> var. <i>parishii</i> Parish's gooseberry	PDGRO020F3	None	None	G5TX/SX	1A		No	Yes
<i>Ribes hudsonianum</i> var. <i>petiolare</i> western black currant	PDGRO020N2	None	None	G5T5/S2	2B.3		No	Yes
<i>Ribes laxiflorum</i> trailing black currant	PDGRO020V0	None	None	G5/S4	4.3		No	No
<i>Ribes marshallii</i> Marshall's gooseberry	PDGRO020Z0	None	None	G4/S4	4.3		No	No
<i>Ribes menziesii</i> var. <i>ixoderme</i> aromatic canyon gooseberry	PDGRO02104	None	None	G4T1/S1	1B.2		No	Yes
<i>Ribes roezlii</i> var. <i>amicturn</i> hoary gooseberry	PDGRO021B1	None	None	G5T4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Ribes sericeum</i> Santa Lucia gooseberry	PDGRO021F0	None	None	G4?/S4?	4.3		No	No
<i>Ribes thacherianum</i> Santa Cruz Island gooseberry	PDGRO02109	None	None	G2/S2	1B.2		Yes	Yes
<i>Ribes tulareense</i> Sequoia gooseberry	PDGRO021L0	None	None	G1/S1	1B.3	BLM:S	No	Yes
<i>Ribes viburnifolium</i> Santa Catalina Island currant	PDGRO021P0	None	None	G2?/S2?	1B.2		Yes	Yes
<i>Ribes victoris</i> Victor's gooseberry	PDGRO021Q0	None	None	G4/S4	4.3		No	No
<i>Robinia neomexicana</i> New Mexico locust	PDFAB3G070	None	None	G4/S1	2B.3		No	Yes
<i>Romanzoffia tracyi</i> Tracy's romanzoffia	PDHYD0E030	None	None	G4/S2	2B.3		No	Yes
<i>Romneya coulteri</i> Coulter's matilija poppy	PDPAP0L010	None	None	G4/S4	4.2		Yes	No
<i>Rorippa columbiana</i> Columbia yellow cress	PDBRA27060	None	None	G3/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Rorippa subumbellata</i> Tahoe yellow cress	PDBRA270M0	None	Endangered	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Rosa gymnocarpa</i> var. <i>serpentina</i> Gasquet rose	PDR0S1J1V1	None	None	G5T3T4/S2	1B.3		Yes	Yes
<i>Rosa minutifolia</i> small-leaved rose	PDR0S1J1B0	None	Endangered	G2G3/SXC	2B.1		Yes	Yes
<i>Rosa pinetorum</i> pine rose	PDR0S1J0W0	None	None	G2/S2	1B.2		No	Yes
<i>Rosa woodsii</i> var. <i>glabrata</i> Cushenbury rose	PDR0S1J191	None	None	G5T1/S1	1B.1		No	Yes
<i>Rubus glaucifolius</i> var. <i>ganderi</i> Cuyamaca raspberry	PDR0S1K2N1	None	None	G5T1Q/S1	3.1		No	Yes
<i>Rubus nivalis</i> snow dwarf bramble	PDR0S1K4S0	None	None	G4?/S1	2B.3		No	Yes
<i>Rumex venosus</i> winged dock	PDPGN0P1K0	None	None	G5?/S3	2B.3		No	Yes
<i>Rupertia hallii</i> Hall's rupertia	PDFAB62010	None	None	G2G3/S2S3	1B.2	BLM:S USFS:S	No	Yes
<i>Rupertia rigida</i> Parish's rupertia	PDFAB62030	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Sabulina decumbens</i> The Lassics sandwort	PDCAR0G0Y0	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Sabulina howellii</i> Howell's sandwort	PDCAR0G0F0	None	None	G4/S3	1B.3	BLM:S	No	Yes
<i>Sabulina rosei</i> peanut sandwort	PDCAR0G0R0	None	None	G3/S3	4.2	USFS:S	No	No
<i>Sabulina stolonifera</i> Scott Mountain sandwort	PDCAR0G110	None	None	G2/S2	1B.3	BLM:S USFS:S	No	Yes
<i>Sabulina stricta</i> bog sandwort	PDCAR0G0U0	None	None	G5/S3	2B.3		No	Yes
<i>Sagittaria sanfordii</i> Sanford's arrowhead	PMALI040Q0	None	None	G3/S3	1B.2	BLM:S	No	Yes
<i>Salix bebbiana</i> Bebb's willow	PDSAL020E0	None	None	G5/S1	2B.3		No	Yes
<i>Salix brachycarpa</i> var. <i>brachycarpa</i> short-fruited willow	PDSAL020H5	None	None	G5T5/S2	2B.3		No	Yes
<i>Salix delnortensis</i> Del Norte willow	PDSAL023F0	None	None	G4/S4	4.3		No	No
<i>Salix nivalis</i> snow willow	PDSAL024K0	None	None	G5/S2	2B.3		No	Yes
<i>Saltugilia caruifolia</i> caraway-leaved woodland-gilia	PDPLM040C0	None	None	G4/S4	4.3		Yes	No
<i>Saltugilia latimeri</i> Latimer's woodland-gilia	PDPLM0H010	None	None	G3/S3	1B.2	BLM:S USFS:S	Yes	Yes
<i>Salvia brandegeei</i> Brandegee's sage	PDLAM1S080	None	None	G3/S2	1B.2		No	Yes
<i>Salvia dorrii</i> var. <i>incana</i> fleshy sage	PDLAM1S0G8	None	None	G5T4/S2	3		No	No
<i>Salvia eremostachya</i> desert sage	PDLAM1S0K0	None	None	G4/S3	4.3		Yes	No
<i>Salvia funerea</i> Death Valley sage	PDLAM1S0M0	None	None	G4/S4	4.3		No	No
<i>Salvia greatae</i> Orocopia sage	PDLAM1S0P0	None	None	G2G3/S2S3	1B.3	BLM:S	Yes	Yes
<i>Salvia munzii</i> Munz's sage	PDLAM1S140	None	None	G2/S2	2B.2		Yes	Yes
<i>Sanguisorba officinalis</i> great burnet	PDROS1L060	None	None	G5?/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Sanicula hoffmannii</i> Hoffmann's sanicle	PDAP11Z090	None	None	G3/S3	4.3		Yes	No
<i>Sanicula maritima</i> adobe sanicle	PDAP11Z0D0	None	Rare	G2/S2	1B.1	USFS:S	No	Yes
<i>Sanicula peckiana</i> Peck's sanicle	PDAP11Z0E0	None	None	G4/S3	4.3		No	No
<i>Sanicula saxatilis</i> rock sanicle	PDAP11Z0H0	None	Rare	G2/S2	1B.2	BLM:S	No	Yes
<i>Sanicula tracyi</i> Tracy's sanicle	PDAP11Z0K0	None	None	G4/S4	4.2	USFS:S	No	Yes
<i>Sanvitalia abertii</i> Abert's sanvitalia	PDAST89010	None	None	G5/S2S3	2B.2		Yes	Yes
<i>Sarcobatus baileyi</i> Bailey's greasewood	PDCHE0L020	None	None	G4/S1	2B.3		No	Yes
<i>Saussurea americana</i> American saw-wort	PDAST8B020	None	None	G5/S1	2B.2		No	Yes
<i>Saxifraga cespitosa</i> tufted saxifrage	PDSAX0U0C0	None	None	G5/S1	2B.3		No	Yes
<i>Scheuchzeria palustris</i> American scheuchzeria	PMSCH02010	None	None	G5/S1	2B.1	USFS:S	No	Yes
<i>Schoenoplectus heterochaetus</i> slender bulrush	PMCYP0Q0T0	None	None	G5/S1	2B.1		No	Yes
<i>Schoenoplectus subterminalis</i> water bulrush	PMCYP0Q1G0	None	None	G4G5/S3	2B.3		No	Yes
<i>Schoenus nigricans</i> black bog-rush	PMCYP0P010	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Scirpus pendulus</i> pendulous bulrush	PMCYP0Q160	None	None	G5/S1	2B.2		No	Yes
<i>Sclerocactus johnsonii</i> Johnson's bee-hive cactus	PDCAC0J0H0	None	None	G3/S2	2B.2		No	Yes
<i>Sclerocactus polyancistrus</i> Mojave fish-hook cactus	PDCAC0J050	None	None	G3/S3	4.2		Yes	No
<i>Scleropogon brevifolius</i> burro grass	PMPOA5G010	None	None	G5/S1S2	2B.3		No	Yes
<i>Scrophularia atrata</i> black-flowered figwort	PDSCR1S010	None	None	G2?/S2?	1B.2		Yes	Yes
<i>Scrophularia villosa</i> Santa Catalina figwort	PDSCR1S0D0	None	None	G3/S3	1B.2		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDB ?
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i> southern mountains skullcap	PDLAM1U0A1	None	None	G4T3/S3	1B.2	USFS:S	No	Yes
<i>Scutellaria galericulata</i> marsh skullcap	PDLAM1U0J0	None	None	G5/S2	2B.2		No	Yes
<i>Scutellaria holmgreniorum</i> Holmgren's skullcap	PDLAM1U1C0	None	None	G3Q/S3	3.3		No	Yes
<i>Scutellaria lateriflora</i> side-flowering skullcap	PDLAM1U0Q0	None	None	G5/S2	2B.2		No	Yes
<i>Sedella leiocarpa</i> Lake County stonecrop	PDCRA0F020	Endangered	Endangered	G1/S1	1B.1		No	Yes
<i>Sedum albomarginatum</i> Feather River stonecrop	PDCRA0A030	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Sedum citrinum</i> Blue Creek stonecrop	PDCRA0A200	None	None	G2/S2	1B.2		No	Yes
<i>Sedum divergens</i> Cascade stonecrop	PDCRA0A0B0	None	None	G5?/S2	2B.3		No	Yes
<i>Sedum laxum</i> ssp. <i>eastwoodiae</i> Red Mountain stonecrop	PDCRA0A0L1	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Sedum laxum</i> ssp. <i>flavidum</i> pale yellow stonecrop	PDCRA0A0L2	None	None	G5T4Q/S4	4.3		No	Yes
<i>Sedum laxum</i> ssp. <i>heckneri</i> Heckner's stonecrop	PDCRA0A0L3	None	None	G5T4Q/S4	4.3		No	No
<i>Sedum niveum</i> Davidson's stonecrop	PDCRA0A0R0	None	None	G3/S3	4.2	USFS:S	Yes	No
<i>Sedum oblancheolatum</i> Applegate stonecrop	PDCRA0A0T0	None	None	G3/S1	1B.1		Yes	Yes
<i>Sedum obtusatum</i> ssp. <i>paradisum</i> Canyon Creek stonecrop	PDCRA0A0U3	None	None	G4G5T3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Sedum pinetorum</i> Pine City sedum	PDCRA0A0Z0	None	None	GUGHQ/SUS H	3		No	No
<i>Selaginella asprella</i> bluish spike-moss	PPSEL01060	None	None	G4/S4	4.3		No	No
<i>Selaginella cinerascens</i> ashy spike-moss	PPSEL01090	None	None	G3G4/S3	4.1		No	No
<i>Selaginella eremophila</i> desert spike-moss	PPSEL010G0	None	None	G4/S2S3	2B.2		No	Yes
<i>Selaginella leucobryoides</i> Mojave spike-moss	PPSEL010P0	None	None	G4/S3S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Selaginella scopulorum</i> Rocky Mountain spike-moss	PPSEL010C2	None	None	G4G5/S2S3	3		No	No
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3/S2	2B.2		No	Yes
<i>Senecio astephanus</i> San Gabriel ragwort	PDAST8H090	None	None	G3/S3	4.3		Yes	No
<i>Senecio blochmaniae</i> Blochman's ragwort	PDAST8H0G0	None	None	G3/S3	4.2		No	No
<i>Senecio clevelandii</i> var. <i>clevelandii</i> Cleveland's ragwort	PDAST8H0R1	None	None	G4?T3Q/S3	4.3		No	No
<i>Senecio clevelandii</i> var. <i>heterophyllus</i> Red Hills ragwort	PDAST8H0R2	None	None	G4?T2Q/S2	1B.2	BLM:S	No	Yes
<i>Senecio hydrophiloides</i> sweet marsh ragwort	PDAST8H400	None	None	G5/S3	4.2		No	No
<i>Senecio pattersonensis</i> Mt. Patterson senecio	PDAST8H2C0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Senna covesii</i> Cove's cassia	PDFAB491X0	None	None	G5/S3	2B.2		Yes	Yes
<i>Shepherdia canadensis</i> Canadian buffalo-berry	PDELG03020	None	None	G5/S1	2B.1		No	Yes
<i>Sibara deserti</i> desert winged-rockcress	PDBRA2A010	None	None	G4/S4	4.3		No	No
<i>Sibara filifolia</i> Santa Cruz Island winged-rockcress	PDBRA2A020	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Sibaropsis hammittii</i> Hammitt's clay-cress	PDBRA32010	None	None	G2/S2	1B.2	USFS:S	Yes	Yes
<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i> Point Reyes checkerbloom	PDMAL11012	None	None	G5T2/S2	1B.2		No	Yes
<i>Sidalcea celata</i> Redding checkerbloom	PDMAL110FG	None	None	G2G3/S2S3	3		No	No
<i>Sidalcea covillei</i> Owens Valley checkerbloom	PDMAL11040	None	Endangered	G2/S2	1B.1	BLM:S	No	Yes
<i>Sidalcea elegans</i> Del Norte checkerbloom	PDMAL110F5	None	None	G4?/S2?	3.3		No	No
<i>Sidalcea gigantea</i> giant checkerbloom	PDMAL110T0	None	None	G3/S3	4.3		No	No
<i>Sidalcea hickmanii</i> ssp. <i>anomala</i> Cuesta Pass checkerbloom	PDMAL110A1	None	Rare	G3T1/S1	1B.2	BLM:S USFS:S	Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Sidalcea hickmanii</i> ssp. <i>hickmanii</i> Hickman's checkerbloom	PDMAL110A2	None	None	G3T2/S2	1B.3	USFS:S	Yes	Yes
<i>Sidalcea hickmanii</i> ssp. <i>napensis</i> Napa checkerbloom	PDMAL110A6	None	None	G3T1/S1	1B.1		No	Yes
<i>Sidalcea hickmanii</i> ssp. <i>parishii</i> Parish's checkerbloom	PDMAL110A3	None	Rare	G3T1/S1	1B.2	BLM:S USFS:S	Yes	Yes
<i>Sidalcea hickmanii</i> ssp. <i>pillsburiensis</i> Lake Pillsbury checkerbloom	PDMAL110A5	None	None	G3T1/S1	1B.2	USFS:S	No	Yes
<i>Sidalcea hickmanii</i> ssp. <i>viridis</i> Marin checkerbloom	PDMAL110A4	None	None	G3TH/SH	1B.1		No	Yes
<i>Sidalcea keckii</i> Keck's checkerbloom	PDMAL110D0	Endangered	None	G2/S2	1B.1		Yes	Yes
<i>Sidalcea malachroides</i> maple-leaved checkerbloom	PDMAL110E0	None	None	G3/S3	4.2		No	Yes
<i>Sidalcea malviflora</i> ssp. <i>dolosa</i> Bear Valley checkerbloom	PDMAL110FH	None	None	G5T2/S2	1B.2	USFS:S	No	Yes
<i>Sidalcea malviflora</i> ssp. <i>patula</i> Siskiyou checkerbloom	PDMAL110F9	None	None	G5T2/S2	1B.2	BLM:S	No	Yes
<i>Sidalcea malviflora</i> ssp. <i>purpurea</i> purple-stemmed checkerbloom	PDMAL110FL	None	None	G5T1/S1	1B.2		No	Yes
<i>Sidalcea multifida</i> cut-leaf checkerbloom	PDMAL110G0	None	None	G3/S2	2B.3		No	Yes
<i>Sidalcea neomexicana</i> salt spring checkerbloom	PDMAL110J0	None	None	G4/S2	2B.2	USFS:S	No	Yes
<i>Sidalcea oregana</i> ssp. <i>eximia</i> coast checkerbloom	PDMAL110K9	None	None	G5T1/S1	1B.2	BLM:S	No	Yes
<i>Sidalcea oregana</i> ssp. <i>hydrophila</i> marsh checkerbloom	PDMAL110K2	None	None	G5T2/S2	1B.2		No	Yes
<i>Sidalcea oregana</i> ssp. <i>valida</i> Kenwood Marsh checkerbloom	PDMAL110K5	Endangered	Endangered	G5T1/S1	1B.1		Yes	Yes
<i>Sidalcea pedata</i> bird-foot checkerbloom	PDMAL110L0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Sidalcea robusta</i> Butte County checkerbloom	PDMAL110P0	None	None	G2/S2	1B.2	BLM:S	No	Yes
<i>Sidalcea stipularis</i> Scadden Flat checkerbloom	PDMAL110R0	None	Endangered	G1/S1	1B.1		Yes	Yes
<i>Sidothea caryophylloides</i> chickweed oxytheca	PDPGN0J010	None	None	G4/S4	4.3	USFS:S	No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Sidothecca emarginata</i> white-margined oxytheca	PDPGN0J030	None	None	G3/S3	1B.3	USFS:S	Yes	Yes
<i>Silene aperta</i> Tulare campion	PDCAR0U050	None	None	G4/S4	4.3		No	No
<i>Silene campanulata ssp. campanulata</i> Red Mountain catchfly	PDCAR0U0A2	None	Endangered	G5T3Q/S3	4.2	BLM:S	No	Yes
<i>Silene krantzii</i> Krantz's catchfly	PDCAR0U2H0	None	None	G1/S1	1B.2		No	Yes
<i>Silene marmorensis</i> Marble Mountain campion	PDCAR0U0Z0	None	None	G2/S2	1B.2		No	Yes
<i>Silene occidentalis ssp. longistipitata</i> long-stiped campion	PDCAR0U161	None	None	G4T2Q/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Silene occidentalis ssp. occidentalis</i> western campion	PDCAR0U162	None	None	G4T3/S3	4.3		No	No
<i>Silene oregana</i> Oregon campion	PDCAR0U170	None	None	G4/S2	2B.2		No	Yes
<i>Silene salmonacea</i> Klamath Mountain catchfly	PDCAR0U2D0	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Silene serpentinicola</i> serpentine catchfly	PDCAR0U2B0	None	None	G3/S3	1B.2	USFS:S	No	Yes
<i>Silene suksdorfii</i> Cascade alpine campion	PDCAR0U1W0	None	None	G4/S3	2B.3		No	Yes
<i>Silene verecunda ssp. verecunda</i> San Francisco campion	PDCAR0U213	None	None	G5T1/S1	1B.2		No	Yes
<i>Sisyrinchium funereum</i> Death Valley blue-eyed grass	PMIRI0D0L0	None	None	G2/S2	1B.3		No	Yes
<i>Sisyrinchium hitchcockii</i> Hitchcock's blue-eyed grass	PMIRI0D0S0	None	None	G2/S1	1B.1		No	Yes
<i>Sisyrinchium longipes</i> timberland blue-eyed grass	PMIRI0D0Y0	None	None	G3G4/S1	2B.2	USFS:S	No	Yes
<i>Smelowskia ovalis</i> alpine smelowskia	PDBRA2D040	None	None	G5/S1	1B.2		No	Yes
<i>Smilax jamesii</i> English Peak greenbrier	PMSMI010D0	None	None	G3G4/S3S4	4.2	BLM:S	No	Yes
<i>Solanum clokeyi</i> island nightshade	PDSOL0Z450	None	None	G3/S3	4.2		No	No
<i>Solanum wallacei</i> Wallace's nightshade	PDSOL0Z280	None	None	G3Q/S2	1B.1		Yes	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Solidago guiradonis</i> Guirado's goldenrod	PDAST8P0T0	None	None	G3G4/S3S4	4.3		No	No
<i>Solidago lepida</i> var. <i>salebrosa</i> Rocky Mountains Canada goldenrod	PDAST8P2D3	None	None	G5T5/S1	3.2		No	Yes
<i>Sparganium natans</i> small bur-reed	PMSPA01090	None	None	G5/S3S4	4.3		No	No
<i>Spartina gracilis</i> alkali cord grass	PMPOA5S060	None	None	G5/S3	4.2		No	No
<i>Spergularia canadensis</i> var. <i>occidentalis</i> western sand-spurrey	PDCAR0W032	None	None	G5T4/S1	2B.1		No	Yes
<i>Spergularia macrotheca</i> var. <i>longistyla</i> long-styled sand-spurrey	PDCAR0W062	None	None	G5T2/S2	1B.2		No	Yes
<i>Spermolepis gigantea</i> desert scaleseed	PDAPI05020	None	None	G2G3/SH	2B.1		No	Yes
<i>Spermolepis infernensis</i> Hellhole scaleseed	PDAPI23070	None	None	G1/S1	1B.2		No	Yes
<i>Spermolepis lateriflora</i> western bristly scaleseed	PDAPI23080	None	None	G5/SH	2A		No	Yes
<i>Sphaeralcea grossulariifolia</i> currant-leaved desert mallow	PDMAL14090	None	None	G4G5/S2	2B.3		No	Yes
<i>Sphaeralcea munroana</i> Munro's desert mallow	PDMAL140F0	None	None	G4/S1	2B.2		No	Yes
<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i> Rusby's desert-mallow	PDMAL140L1	None	None	G4T2/S2	1B.2	BLM:S	Yes	Yes
<i>Sphaeromeria potentilloides</i> var. <i>nitrophila</i> alkali tansy-sage	PDAST8S061	None	None	G5T4?/S2	2B.2		No	Yes
<i>Sphenopholis obtusata</i> prairie wedge grass	PMPOA5T030	None	None	G5/S2	2B.2		No	Yes
<i>Stachys pilosa</i> hairy marsh hedge-nettle	PDLAM1X1A0	None	None	G5/S3	2B.3		No	Yes
<i>Stanleya viridiflora</i> green-flowered prince's plume	PDBRA2E060	None	None	G4/S2	2B.3		No	Yes
<i>Stebbinsoseris decipiens</i> Santa Cruz microseris	PDAST6E050	None	None	G2/S2	1B.2		No	Yes
<i>Stellaria littoralis</i> beach starwort	PDCAR0X0L0	None	None	G3/S3	4.2		No	No
<i>Stellaria longifolia</i> long-leaved starwort	PDCAR0X0M0	None	None	G5/S2	2B.2		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Stellaria obtusa</i> obtuse starwort	PDCAR0X0U0	None	None	G5/S4	4.3		No	Yes
<i>Stemodia durantifolia</i> purple stemodia	PDSCR1U010	None	None	G5/S2	2B.1		No	Yes
<i>Stenotus lanuginosus</i> var. <i>lanuginosus</i> woolly stenotus	PDASTCX012	None	None	G5T5/S3	2B.2	BLM:S	No	Yes
<i>Stipa arida</i> Mormon needle grass	PMPOA5X010	None	None	G5/S3?	2B.3		Yes	Yes
<i>Stipa diegoensis</i> San Diego County needle grass	PMPOA5X0B0	None	None	G4/S4	4.2		No	No
<i>Stipa divaricata</i> small-flowered rice grass	PMPOA4J070	None	None	G5/S2	2B.3		No	Yes
<i>Stipa exigua</i> little ricegrass	PMPOA80030	None	None	G4G5/S2	2B.3	BLM:S	No	Yes
<i>Stipa lemmonii</i> var. <i>pubescens</i> pubescent needle grass	PMPOA5X0F2	None	None	G5T1?Q/S1?	3.2		No	No
<i>Streptanthus albidus</i> ssp. <i>albidus</i> Metcalf Canyon jewelflower	PDBRA2G011	Endangered	None	G2T1/S1	1B.1	BLM:S	Yes	Yes
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i> most beautiful jewelflower	PDBRA2G012	None	None	G2T2/S2	1B.2	USFS:S	Yes	Yes
<i>Streptanthus barbiger</i> bearded jewelflower	PDBRA2G040	None	None	G3/S3	4.2		No	No
<i>Streptanthus batrachopus</i> Tamalpais jewelflower	PDBRA2G050	None	None	G2/S2	1B.3		No	Yes
<i>Streptanthus bernardinus</i> Laguna Mountains jewelflower	PDBRA2G060	None	None	G3G4/S3S4	4.3		Yes	Yes
<i>Streptanthus brachiatus</i> ssp. <i>brachiatus</i> Socrates Mine jewelflower	PDBRA2G072	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus brachiatus</i> ssp. <i>hoffmanii</i> Freed's jewelflower	PDBRA2G071	None	None	G2T2/S2	1B.2	BLM:S	No	Yes
<i>Streptanthus callistus</i> Mt. Hamilton jewelflower	PDBRA2G0A0	None	None	G1G2/S1S2	1B.3	BLM:S	No	Yes
<i>Streptanthus campestris</i> southern jewelflower	PDBRA2G0B0	None	None	G3/S3	1B.3	BLM:S USFS:S	No	Yes
<i>Streptanthus cordatus</i> var. <i>piutensis</i> Piute Mountains jewelflower	PDBRA2G0D2	None	None	G5T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Streptanthus drepanoides</i> sickle-fruit jewelflower	PDBRA2G200	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Streptanthus farnsworthianus</i> Farnsworth's jewelflower	PDBRA2G0G0	None	None	G4/S4	4.3		Yes	No
<i>Streptanthus fenestratus</i> Tehipite Valley jewelflower	PDBRA2G0H0	None	None	G2/S2	1B.1	USFS:S	No	Yes
<i>Streptanthus glandulosus ssp. hoffmanii</i> Hoffman's bristly jewelflower	PDBRA2G0J4	None	None	G4T2/S2	1B.3	BLM:S	No	Yes
<i>Streptanthus glandulosus ssp. niger</i> Tiburon jewelflower	PDBRA2G0T0	Endangered	Endangered	G4T1/S1	1B.1		Yes	Yes
<i>Streptanthus glandulosus ssp. pulchellus</i> Mt. Tamalpais bristly jewelflower	PDBRA2G0J2	None	None	G4T2/S2	1B.2		Yes	Yes
<i>Streptanthus gracilis</i> alpine jewelflower	PDBRA2G0K0	None	None	G3/S3	1B.3	USFS:S	No	Yes
<i>Streptanthus hesperidis</i> green jewelflower	PDBRA2G510	None	None	G2/S2	1B.2		No	Yes
<i>Streptanthus hispidus</i> Mt. Diablo jewelflower	PDBRA2G0M0	None	None	G2/S2	1B.3		No	Yes
<i>Streptanthus howellii</i> Howell's jewelflower	PDBRA2G0N0	None	None	G2G3/S2	1B.2	USFS:S	No	Yes
<i>Streptanthus insignis ssp. lyonii</i> Arburua Ranch jewelflower	PDBRA2G0Q1	None	None	G3G4T2/S2	1B.2		No	Yes
<i>Streptanthus longisiliquus</i> long-fruit jewelflower	PDBRA2G400	None	None	G3/S3	4.3		No	No
<i>Streptanthus morrisonii ssp. elatus</i> Three Peaks jewelflower	PDBRA2G0S1	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus morrisonii ssp. hirtiflorus</i> Dorr's Cabin jewelflower	PDBRA2G0S2	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus morrisonii ssp. kruckebergii</i> Kruckeberg's jewelflower	PDBRA2G0S4	None	None	G2T1/S1	1B.2	BLM:S	No	Yes
<i>Streptanthus morrisonii ssp. morrisonii</i> Morrison's jewelflower	PDBRA2G0S3	None	None	G2T1?/S1?	1B.2	BLM:S	No	Yes
<i>Streptanthus oblanceolatus</i> Trinity River jewelflower	PDBRA2G500	None	None	G1/S1	1B.2	USFS:S	No	Yes
<i>Streptanthus oliganthus</i> Masonic Mountain jewelflower	PDBRA2G0V0	None	None	G3/S3	1B.2	BLM:S USFS:S	No	Yes
<i>Streptanthus tortuosus ssp. truei</i> True's mountain jewelflower	PDBRA2G108	None	None	G5T1T2/S1S2	1B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Streptanthus vernalis</i> early jewelflower	PDBRA2G120	None	None	G1/S1	1B.2	BLM:S	No	Yes
<i>Stuckenia filiformis ssp. alpina</i> slender-leaved pondweed	PMPOT03091	None	None	G5T5/S3	2B.2		No	Yes
<i>Stylocline citroleum</i> oil neststraw	PDAST8Y070	None	None	G3/S3	1B.1	BLM:S	No	Yes
<i>Stylocline masonii</i> Mason's neststraw	PDAST8Y080	None	None	G1/S1	1B.1	BLM:S USFS:S	No	Yes
<i>Stylocline sonorensis</i> mesquite neststraw	PDAST8Y060	None	None	G3G5/SX	2A		No	Yes
<i>Suaeda californica</i> California seablite	PDCHE0P020	Endangered	None	G1/S1	1B.1		No	Yes
<i>Suaeda esteroa</i> estuary seablite	PDCHE0P0D0	None	None	G3/S2	1B.2		No	Yes
<i>Suaeda occidentalis</i> western seablite	PDCHE0P080	None	None	G5/S2	2B.3		No	Yes
<i>Suaeda taxifolia</i> woolly seablite	PDCHE0P0L0	None	None	G/S4	4.2		No	No
<i>Subularia aquatica ssp. americana</i> water awlwort	PDBRA2H012	None	None	G5T5/S4	4.3		No	No
<i>Swallenia alexandrae</i> Eureka Valley dune grass	PMPOA5Y010	Endangered	Rare	G2/S2	1B.2		Yes	Yes
<i>Symphotrichum defoliatum</i> San Bernardino aster	PDASTE80C0	None	None	G2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Symphotrichum greatae</i> Greata's aster	PDASTE80U0	None	None	G2/S2	1B.3	BLM:S	No	Yes
<i>Symphotrichum lentum</i> Suisun Marsh aster	PDASTE8470	None	None	G2/S2	1B.2		Yes	Yes
<i>Synthyris missurica ssp. missurica</i> kitten-tails	PDSCR1W042	None	None	G4G5T4T5/S3	2B.3		Yes	Yes
<i>Syntrichopappus lemmonii</i> Lemmon's syntrichopappus	PDAST90020	None	None	G4/S4	4.3		Yes	No
<i>Systenotheca vortriedei</i> Vortriede's spineflower	PDPGN0W010	None	None	G3/S3	4.3		No	No
<i>Taraxacum californicum</i> California dandelion	PDAST93050	Endangered	None	G1G2/S1S2	1B.1		Yes	Yes
<i>Taraxacum ceratophorum</i> horned dandelion	PDAST930Y1	None	None	G5/S1	2B.1		No	Yes

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Tauschia glauca</i> glaucous tauschia	PDAP127020	None	None	G4/S4	4.3		No	No
<i>Tauschia howellii</i> Howell's tauschia	PDAP127050	None	None	G2G3/S2S3	1B.3	USFS:S	No	Yes
<i>Tetracoccus dioicus</i> Parry's tetracoccus	PDEUP1C010	None	None	G3?/S2	1B.2	BLM:S USFS:S	Yes	Yes
<i>Tetracoccus hallii</i> Hall's tetracoccus	PDEUP1C021	None	None	G4/S4	4.3		Yes	No
<i>Tetracoccus ilicifolius</i> holly-leaved tetracoccus	PDEUP1C030	None	None	G2/S2	1B.3		No	Yes
<i>Tetradymia argyraea</i> striped horsebrush	PDAST95010	None	None	G4?/S4	4.3		Yes	No
<i>Tetradymia tetrameres</i> dune horsebrush	PDAST950A0	None	None	G4/S2	2B.2		No	Yes
<i>Teucrium cubense ssp. depressum</i> dwarf germander	PDLAM20032	None	None	G4G5T3T4/S2	2B.2		No	Yes
<i>Teucrium glandulosum</i> desert germander	PDLAM20040	None	None	G4/S2	2B.3		No	Yes
<i>Thalictrum alpinum</i> arctic meadow-rue	PDRAN0M010	None	None	G5/S4	4.3		No	No
<i>Thelypodium brachycarpum</i> short-podded thelypodium	PDBRA2N010	None	None	G3/S3	4.2		No	No
<i>Thelypodium howellii ssp. howellii</i> Howell's thelypodium	PDBRA2N051	None	None	G1T1/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Thelypodium integrifolium ssp. complanatum</i> foxtail thelypodium	PDBRA2N062	None	None	G5T4T5/S2	2B.2		No	Yes
<i>Thelypodium milleflorum</i> many-flowered thelypodium	PDBRA2N0A0	None	None	G5/S3?	2B.2		No	Yes
<i>Thelypodium stenopetalum</i> slender-petaled thelypodium	PDBRA2N0F0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Thelypteris puberula var. sonorensis</i> Sonoran maiden fern	PPTHE05192	None	None	G5T3/S2	2B.2	USFS:S	No	Yes
<i>Thermopsis californica var. argentata</i> silvery false lupine	PDFAB3Z011	None	None	G4T4/S4	4.3		No	No
<i>Thermopsis californica var. semota</i> velvety false lupine	PDFAB3Z013	None	None	G4T2/S2	1B.2	BLM:S USFS:S	No	Yes
<i>Thermopsis gracilis</i> slender false lupine	PDFAB3Z0C1	None	None	G4/S4	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Thermopsis macrophylla</i> Santa Ynez false lupine	PDFAB3Z0E0	None	Rare	G1/S1	1B.3	USFS:S	Yes	Yes
<i>Thermopsis robusta</i> robust false lupine	PDFAB3Z0D0	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Thysanocarpus conchuliferus</i> Santa Cruz Island fringe pod	PDBRA2Q060	Endangered	None	G2?/S2?	1B.2		Yes	Yes
<i>Thysanocarpus rigidus</i> rigid fringe pod	PDBRA2Q070	None	None	G1G2/S1	1B.2	BLM:S USFS:S	No	Yes
<i>Tiarella trifoliata</i> var. <i>trifoliata</i> trifoliolate laceflower	PDSAX10031	None	None	G5T5/S2S3	3.2		No	No
<i>Tiquilia canescens</i> var. <i>pulchella</i> Chocolate Mountains tiquilia	PDBOR0Y012	None	None	G5T3T4/S3	3.2		No	No
<i>Tonestus eximius</i> Tahoe tonestus	PDASTE0030	None	None	G3/S3	4.3		No	No
<i>Tonestus lyallii</i> Lyall's tonestus	PDASTE0050	None	None	G5/S1	2B.3		No	Yes
<i>Tonestus peirsonii</i> Peirson's tonestus	PDASTE0070	None	None	G3/S3	4.3		No	No
<i>Townsendia condensata</i> cushion townsendia	PDAST9C040	None	None	G4/S3	2B.3		No	Yes
<i>Townsendia leptotes</i> slender townsendia	PDAST9C0F0	None	None	G4/S2	2B.3		No	Yes
<i>Toxicoscordion fontanum</i> marsh zigadenus	PMLIL28050	None	None	G3/S3	4.2		No	No
<i>Tracyina rostrata</i> beaked tracyina	PDAST9D010	None	None	G2/S2	1B.2	USFS:S	No	Yes
<i>Tragia ramosa</i> desert tragia	PDEUP1D090	None	None	G5/S4	4.3		No	No
<i>Transberingia bursifolia</i> ssp. <i>virgata</i> virgate halimolobos	PDBRA1A040	None	None	G4T4/S1	2B.3		No	Yes
<i>Trichocoronis wrightii</i> var. <i>wrightii</i> Wright's trichocoronis	PDAST9F031	None	None	G4T3/S1	2B.1		No	Yes
<i>Trichophorum pumilum</i> little bulrush	PMCYP0Q250	None	None	G5/S3	2B.2		No	Yes
<i>Trichostema austromontanum</i> ssp. <i>compactum</i> Hidden Lake bluecurls	PDLAM22022	Threatened	None	G3G4T1/S1	1B.1		Yes	Yes
<i>Trichostema micranthum</i> small-flowered bluecurls	PDLAM22080	None	None	G4/S4?	4.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Trichostema ovatum</i> San Joaquin bluecurls	PDLAM220A0	None	None	G4/S4	4.2		No	No
<i>Trichostema rubisepalum</i> Hernandez bluecurls	PDLAM220C0	None	None	G4/S4	4.3		Yes	No
<i>Trichostema ruygtii</i> Napa bluecurls	PDLAM220H0	None	None	G1G2/S1S2	1B.2		No	Yes
<i>Trifolium amoenum</i> two-fork clover	PDFAB40040	Endangered	None	G1/S1	1B.1		Yes	Yes
<i>Trifolium andersonii</i> ssp. <i>andersonii</i> Anderson's clover	PDFAB40055	None	None	G5T5/S4	4.3		Yes	No
<i>Trifolium bolanderi</i> Bolander's clover	PDFAB400G0	None	None	G3/S3	1B.2	USFS:S	Yes	Yes
<i>Trifolium buckwestiorum</i> Santa Cruz clover	PDFAB402W0	None	None	G2/S2	1B.1	BLM:S	Yes	Yes
<i>Trifolium dedeckerae</i> Dedecker's clover	PDFAB400Q0	None	None	G2/S2	1B.3	BLM:S USFS:S	Yes	Yes
<i>Trifolium gymnocarpon</i> ssp. <i>plummerae</i> Plummer's clover	PDFAB40112	None	None	G5T4/S2	2B.3		No	Yes
<i>Trifolium howellii</i> Howell's clover	PDFAB40140	None	None	G4/S4	4.3		No	No
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2/S2	1B.2		No	Yes
<i>Trifolium jokerstii</i> Butte County golden clover	PDFAB40310	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Trifolium lemmonii</i> Lemmon's clover	PDFAB401C0	None	None	G3/S3	4.2		Yes	No
<i>Trifolium palmeri</i> southern island clover	PDFAB40102	None	None	G3G4/S3	4.2		Yes	No
<i>Trifolium polyodon</i> Pacific Grove clover	PDFAB402H0	None	Rare	G1/S1	1B.1	BLM:S	Yes	Yes
<i>Trifolium siskiyouense</i> Siskiyou clover	PDFAB402S0	None	None	GH/SH	1B.1		No	Yes
<i>Trifolium trichocalyx</i> Monterey clover	PDFAB402J0	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Triglochin palustris</i> marsh arrow-grass	PMJCG02040	None	None	G5/S2	2B.3		No	Yes
<i>Trillium ovatum</i> ssp. <i>oettingeri</i> Salmon Mountains wakerobin	PMLIL200M1	None	None	G5T3/S3	4.2		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Triphysaria floribunda</i> San Francisco owl's-clover	PDSCR2T010	None	None	G2?/S2?	1B.2		No	Yes
<i>Tripterocalyx crux-maltae</i> Kellogg's sand-verbena	PDNYC0G020	None	None	G4?/S1	2B.2		No	Yes
<i>Tripterocalyx micranthus</i> small-flowered sand-verbena	PDNYC0G030	None	None	G5/S1	2B.3		No	Yes
<i>Triteleia clementina</i> San Clemente Island triteleia	PMLIL21020	None	None	G2/S2	1B.2		Yes	Yes
<i>Triteleia crocea</i> var. <i>crocea</i> yellow triteleia	PMLIL21031	None	None	G4T4/S3S4	4.3		No	No
<i>Triteleia crocea</i> var. <i>modesta</i> Trinity Mountains triteleia	PMLIL21032	None	None	G4T3/S3	4.3		No	No
<i>Triteleia grandiflora</i> large-flowered triteleia	PMLIL21060	None	None	G4G5/S1	2B.1		No	Yes
<i>Triteleia hendersonii</i> Henderson's triteleia	PMLIL21070	None	None	G4/S1	2B.2		No	Yes
<i>Triteleia ixioides</i> ssp. <i>cookii</i> Cook's triteleia	PMLIL210A2	None	None	G5T2T3/S2S3	1B.3	USFS:S	No	Yes
<i>Triteleia lugens</i> dark-mouthed triteleia	PMLIL210D0	None	None	G4?/S4?	4.3		No	No
<i>Triteleia piutensis</i> Piute Mountains triteleia	PMLIL210H0	None	None	G1/S1	1B.1		No	Yes
<i>Tropidocarpum californicum</i> Kings gold	PDBRA33010	None	None	G1/S1	1B.1		No	Yes
<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	PDBRA2R010	None	None	G1/S1	1B.1	USFS:S	Yes	Yes
<i>Tuctoria greenei</i> Greene's tuctoria	PMPOA6N010	Endangered	Rare	G1/S1	1B.1		No	Yes
<i>Tuctoria mucronata</i> Crampton's tuctoria or Solano grass	PMPOA6N020	Endangered	Endangered	G1/S1	1B.1		Yes	Yes
<i>Utricularia intermedia</i> flat-leaved bladderwort	PDLNT020A0	None	None	G5/S3	2B.2		No	Yes
<i>Utricularia minor</i> lesser bladderwort	PDLNT020D0	None	None	G5/S3	4.2		No	No
<i>Utricularia ochroleuca</i> cream-flowered bladderwort	PDLNT020E0	None	None	G4G5/S1	2B.2		No	Yes
<i>Vaccinium coccineum</i> Siskiyou Mountains huckleberry	PDERI181N0	None	None	G3Q/S2S3	3.3		No	No

Special Vascular Plants, Bryophytes, and Lichens List

California Department of Fish and Wildlife

Natural Diversity Database

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Vaccinium scoparium</i> little-leaved huckleberry	PDERI180Y0	None	None	G5/S3	2B.2		No	Yes
<i>Vaccinium shastense</i> ssp. <i>shastense</i> Shasta huckleberry	PDERI181Z1	None	None	G4T3/S3	1B.3		No	Yes
<i>Vahlodea atropurpurea</i> mountain hair grass	PMPOA6M010	None	None	G5/S4	4.3		No	No
<i>Valeriana occidentalis</i> western valerian	PDVAL03080	None	None	G5/S1	2B.3		No	Yes
<i>Vancouveria chrysantha</i> Siskiyou inside-out-flower	PDBER09010	None	None	G4/S4	4.3		No	No
<i>Veratrum fimbriatum</i> fringed false-hellebore	PMLIL25030	None	None	G3/S3	4.3		No	No
<i>Veratrum insolitum</i> Siskiyou false-hellebore	PMLIL25040	None	None	G4/S4	4.3		No	No
<i>Verbena californica</i> Red Hills vervain	PDVER0N050	Threatened	Threatened	G2/S2	1B.1		Yes	Yes
<i>Verbesina dissita</i> big-leaved crownbeard	PDAST9R050	Threatened	Threatened	G1G2/S1	1B.1		Yes	Yes
<i>Veronica copelandii</i> Copeland's speedwell	PDSCR200B0	None	None	G3/S3	4.3		No	No
<i>Veronica cusickii</i> Cusick's speedwell	PDSCR200C0	None	None	G5/S4	4.3		Yes	No
<i>Viburnum ellipticum</i> oval-leaved viburnum	PDCPR07080	None	None	G4G5/S3?	2B.3		No	Yes
<i>Viguiera laciniata</i> San Diego County viguiera	PDAST9T060	None	None	G4/S4	4.3		Yes	No
<i>Viguiera purisimae</i> La Purisima viguiera	PDAST9T0S0	None	None	G4/S1	2B.3		No	Yes
<i>Viola howellii</i> Howell's violet	PDVIO040U0	None	None	G4/S1	2B.2		No	Yes
<i>Viola langsdorffii</i> Langsdorf's violet	PDVIO04100	None	None	G4/S1	2B.1		No	Yes
<i>Viola palustris</i> alpine marsh violet	PDVIO041G0	None	None	G5/S1S2	2B.2		No	Yes
<i>Viola pinetorum</i> ssp. <i>grisea</i> grey-leaved violet	PDVIO04431	None	None	G4G5T3/S3	1B.3		No	Yes
<i>Viola primulifolia</i> ssp. <i>occidentalis</i> western white bog violet	PDVIO040Y2	None	None	G5T2/S2	1B.2	USFS:S	No	Yes

Scientific Name Common Name	Element Code	Federal Listing Status	State Listing Status	Heritage Rank	Rare Plant Rank	Other Status	Seed Banked	Records in CNDDDB ?
<i>Viola purpurea ssp. aurea</i> golden violet	PDVIO04420	None	None	G5T2/S2	2B.2		No	Yes
<i>Viola tomentosa</i> felt-leaved violet	PDVIO04280	None	None	G3/S3	4.2		No	Yes
<i>Wislizenia refracta ssp. palmeri</i> Palmer's jackass clover	PDCPP09015	None	None	G5T3T5/S1	2B.2		No	Yes
<i>Wislizenia refracta ssp. refracta</i> jackass-clover	PDCPP09013	None	None	G5T5?/S1	2B.2		No	Yes
<i>Wolffia brasiliensis</i> Brazilian watermeal	PMLEM03020	None	None	G5/S1	2B.3		No	Yes
<i>Woodsia plummerae</i> Plummer's woodsia	PPDRY0U0A0	None	None	G5/S2	2B.3		No	Yes
<i>Wyethia elata</i> Hall's wyethia	PDAST9X050	None	None	G4/S4	4.3		No	No
<i>Wyethia longicaulis</i> Humboldt County wyethia	PDAST9X0A0	None	None	G4/S4	4.3		No	No
<i>Wyethia reticulata</i> El Dorado County mule ears	PDAST9X0D0	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Xanthisma gracile</i> annual bristleweed	PDAST640E0	None	None	G5/S4	4.3		No	No
<i>Xanthisma junceum</i> rush-like bristleweed	PDAST641A0	None	None	G5/S4	4.3		No	No
<i>Xylorhiza cognata</i> Mecca-aster	PDASTA1010	None	None	G2/S2	1B.2	BLM:S	Yes	Yes
<i>Xylorhiza orcuttii</i> Orcutt's woody-aster	PDASTA1040	None	None	G3?/S2	1B.2	BLM:S	Yes	Yes