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Abstract

The Annotated Checklist of the Vascular Plants of Baja California, Mexico (here referred to as simply the Checklist), is a catalog of all native and naturalized vascular plants known to occur in Baja California, Mexico. For the purposes of this Checklist, Baja California is defined geographically as the Baja California peninsula and the adjacent islands in both the Pacific Ocean and the Gulf of California (Sea of Cortés) that have historically been considered as part of this region. Politically, the peninsula is comprised of two Mexican states (Baja California [BC] and Baja California Sur [BCS]) that are divided at the 28th parallel. This Checklist provides documentation of all plants known to occur in Baja California by listing a representative herbarium specimen, known as the herbarium voucher for each taxon. We also include an appendix of the reported and excluded plants for the region. As part of an online resource correlated to this Checklist, at least one voucher for each taxon that is known to occur in Baja California has been digitally scanned or photographed and is available at www.bajaflora.org. Our current count of native and naturalized vascular plants documented to occur in Baja California is 3,551 species (including common hybrids), and 3,892 total taxa (including subspecies and varieties). These species and taxa occur in a total of 1,093 genera in 186 families. Of these 3,551 species, 3,130 (88.1%) are native to the state of Baja California and those below that latitude are considered as part of this region. Politically, the peninsula is comprised of two Mexican states (Baja California [BC] and Baja California Sur [BCS]) that are divided at the 28th parallel. These two states encompass the Baja California peninsula, but we also include the islands that are distributed from the Islas Coronado (Coronados) in the northwestern portion of our region off of Tijuana south to Isla Santa Margarita in Bahía Magdalena in the Pacific Ocean, and the islands from the top of the Gulf near the Colorado River delta south to Cerralvo (Jacques Cousteau Island) off of El Sargento in the Cape region of BCS in the Gulf of California. We do not include the Sonoran islands of Alcatraz, Cholludo, Dátil, Patos, San Esteban, San Pedro Mártir, San Pedro Nolasco, and Tiburón. For insular specimen vouchers from the states, any islands in either the Pacific or Gulf that are above the 28th parallel are considered to be part of the state of Baja California (BC) and those below that latitude are part of the state of Baja California Sur (BCS).

The need for this Checklist arose almost 20 years ago as a result of one of the first meetings of the Baja California Botanical Symposium where we discussed the incomplete nature of Wiggins (1980) flora for the region, major changes in plant taxonomy since its publication which have brought numerous nomenclatural changes, and how a more up-to-date resource such as a list assessing the plant diversity of Baja California was needed. To compile such a list, staff and volunteers at the San Diego Natural History Museum went through the entire SD Herbarium collection looking for records from the Baja California region. The authors have made several trips to many different herbaria with strong historical specimen collections from Baja California in order to record specimen data for each state on the peninsula, verify the specimen identifications, and photograph the vouchers for use in this Checklist and for online resources. This search also added a great number of taxa new to Baja California that have been discovered in the field since the 1980 publication of Wiggins’s flora, and corrected many misidentifications and misapplications of names. In addition, various taxa new to science that have been described in recent years are included.

Nomenclature for this Checklist is based on many different recently published or accessed sources. The most commonly used taxonomic resources were The Plant List (2013) Version 1.1 <http://www.theplist.org> for general botanical nomenclature, Jepson II (Baldwin et al. 2012) for many native and naturalized plants, Hortus Third (Bailey & Bailey 1976) for some naturalized plants, and many original research journal articles where pertinent (cited in the Checklist under families, genera, or particular species records). For common names of plants in English we have mostly used the USDA Plants Database (USDA, NRCS. 2015) <http://plants.usda.gov> and the Checklist of the Vascular Plants of San Diego County (Rebman & Simpson 2014). For Spanish common names we have mainly used the Baja California Plant Field Guide (Rebman & Roberts 2012) and CONABIO’s Malezas de Mexico Database (2012) Version 2012-1 <http://www.conabio.gob.mx/malezasdemexico>.

We have also utilized the Jepson Flora Project (2013) <http://ucjeps.berkeley.edu/JF.html>, referred to here as the Jepson EFlora, and published volumes of the Flora of North America (Flora of...
North America Editorial Committee, eds. 1993+), the latter listed electronically at <http://www.efloras.org> and referred to here as FNA eFlora. In respect to type specimens from the Baja California region, we obtained a download of all of the types currently available from JSTOR Plants < http://www.plants.jstor.org> so that we could incorporate basionyms for most of the plant taxa that have been described specifically from the region. These names (if no longer taxonomically recognized) are included as synonyms in the Checklist. We have also tried to address all synonymy that was used in various major floristic publications from the region such Wiggins (1980), Lenz (1992), Gould & Moran (1981). We have attempted to account for every name in Wiggins (1980) either as a main entry or as a synonym by indicating “In Wiggins as” if nomenclature is different from the scientific name that we are currently recognizing.

For all native or naturalized plants known to occur in Baja California found in the main catalog portion of this Checklist, we provide documentation of all taxa by the listing of a representative herbarium specimen, known as the herbarium voucher. For this voucher, we have included a voucher for each state (if present in BC or BCS or both), citing the specimen’s collector, collection number (collection date if no number is given), and accession number from a recognized herbarium. The majority (~4,170) of the voucher specimen citations are from the herbarium (SD) located at the San Diego Natural History Museum. Other herbaria with significant holdings of vouchers used in this Checklist include the Centro de Investigaciones Biológicas del Noroeste in Ensenada (BCMEX), and the Rancho Santa Ana Botanic Garden (RSA-POM). Some specimens are cited from the herbaria at California Academy of Sciences (CAS-DS), Santa Barbara Botanic Garden (SBBG), San Diego State University (SDSU), University of California Berkeley (UC-IEPS), and University of California Riverside (UCR); plus other herbaria with a few cited specimens that are from literature or online databases but were not visited as part of this study. We feel that in preparing any floristic checklist, it is of the utmost importance that every taxon listed be documented with a herbarium specimen deposited and accessioned in an accredited herbarium. Without proper specimen documentation, the presence or correct identity of these taxa may be in doubt. Checklists of taxa without documentation are unverifiable and thus are out of the realm of science. We hope and encourage that future work on regional checklists and local floristic surveys, including those by governmental agencies and private consulting firms, will endeavor to provide complete specimen documentation.

As part of an online resource correlated to this Checklist, at least one voucher specimen for each taxon that is known to occur in Baja California has been digitally scanned or photographed and is publicly available at www.bajaflora.org.

In respect to the distribution data outside of the Baja California region for the plant taxa listed in the Checklist, we have used any available taxonomic treatments and various online resources to assess their wider distributions. In particular, for plant taxa also occurring in the USA we used the USDA Plants Database (USDA, NRCS. 2015) extensively, and for plant taxa occurring in other parts of northwestern Mexico e.g., Sonora & Sinaloa, we used the web resources of SEINet (2009-2016), and Van Devender et al. (2010) for vascular plants known to occur in the state of Sonora.

### Diversity

The Baja California region is rich in plant species due to its varied topography, geology, and climate regimes. These factors, in addition to the area’s biogeographic history, have resulted in a wide range of vegetation types that include coastal sage scrub, chaparral, conifer forest, various desert communities, and tropical dry forest.

Our current count of native and naturalized vascular plants documented to occur in Baja California that are presented in the Checklist is 3,551 species (including 63 hybrids), and 3,892 total taxa (including subspecies and varieties). These species and taxa occur in a total of 1,933 genera in 186 families. Of these 3,551 species, 3,130 (88.1%) are native to the region and 421 (11.9%) are non-native and naturalized in Baja California (the latter designated with a ** symbol in the Checklist). Of the 3,892 total taxa, 3,466 (89.1%) are native and 426 (10.9%) are non-native and naturalized. With respect to endemism, there are 820 (23.7% of the native taxa) strict endemics to the Baja California region. If one considers near-endemic taxa (defined as a taxon with a native occurrence almost entirely restricted to Baja California, but with one to very few populations known just outside the region’s boundary), there are 77 near-endemic taxa. Hence, the rate of endemism for the native flora including near-endemic taxa is 25.9%.

Most of the diversity of plants in Baja California falls into the major plant group of Eudicots (3146 taxa), followed by Monocots

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Families</th>
<th>Genera</th>
<th>Species</th>
<th>Taxa</th>
<th>Endemic Taxa</th>
<th>Non-native Taxa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lycophytes</td>
<td>2</td>
<td>2</td>
<td>11</td>
<td>12</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Equisetophytes</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ophioglossoid Ferns</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Leptosporangiate Ferns</td>
<td>14</td>
<td>28</td>
<td>91</td>
<td>97</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Conifers</td>
<td>2</td>
<td>5</td>
<td>17</td>
<td>18</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Gnetales</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Basal Dicots</td>
<td>4</td>
<td>4</td>
<td>9</td>
<td>9</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Eudicots</td>
<td>133</td>
<td>873</td>
<td>2847</td>
<td>3146</td>
<td>826</td>
<td>313</td>
</tr>
<tr>
<td>Monocots</td>
<td>28</td>
<td>178</td>
<td>563</td>
<td>597</td>
<td>58</td>
<td>112</td>
</tr>
<tr>
<td>Total</td>
<td>186</td>
<td>1093</td>
<td>3551</td>
<td>3892</td>
<td>897</td>
<td>426</td>
</tr>
</tbody>
</table>

Table 1. Diversity of families, genera, species, taxa (species plus subspecies & varieties), endemic taxa, and non-native taxa represented in the flora of Baja California, by major plant groups. Note that common hybrid taxa are included in the values for this table.
(597 taxa), and Leptosporangiate Ferns (97 taxa) [see Table 1]. With respect to plant families containing the most taxa in Baja California (Table 2), the Asteraceae are the most heavily represented with 528 taxa, then Fabaceae (314 taxa), but closely followed by the Poaceae (313 taxa). These values are not entirely surprising because these three families are the most heavily represented throughout most of North America.

The two genera that are best represented in Baja California (Table 3) are *Euphorbia* (including *Chamaesyce*, Euphorbiaceae) with 59 taxa and *Eriogonum* (Polygonaceae) with 53 taxa. Although the genus *Euphorbia* contains more overall diversity on the peninsula, *Eriogonum* has most of its diversity in the state of BC and 54.7% of its taxa (29) are endemic to Baja California.

In respect to geopolitical plant diversity, the state of Baja California (BC) is documented with 2,664 plant taxa and the state of Baja California Sur (BCS) with 2,164 plant taxa. However, it should be noted that when comparing these values it is important to take into account overall collecting efforts for each of the states. For example, the Baja California Botanical Consortium (BCBC) contains the combined specimen records from Baja California collections deposited in seven different herbaria and has a current total of 88,850 specimen records. However, of these records 49,938 are from BC and 38,807 from BCS (note that 105 records do not have adequate location data to determine the state); showing a significantly greater number of collected specimens from BC.

Wiggins (1980) tabulated the flora of Baja California as represented by 155 families, 884 genera, 2705 species, and 2958 taxa. In comparing these diversity values to those presented in this Checklist, the documented flora of the entire Baja California region has increased by 1,207 species (44.6%), and 1330 total taxa (45.0%, 1091 taxa native, 239 taxa non-native), since Wiggins’ (1980) flora was published. If you take into account that 229 taxa reported by Wiggins have been excluded (due to lacking vouchers or misidentifications) in this floristic analysis, then this Checklist is adding 48.7% more taxa to the previously known flora of the region. These values illustrate the great number of native plants that have been discovered, documented, and/or described in the Baja California region in the last 35 years.

It is our hope that the diversity numbers of the vascular flora of Baja California presented in this compiled Checklist will not only

<table>
<thead>
<tr>
<th>Plant Family</th>
<th>Genera</th>
<th>Species</th>
<th>Taxa</th>
<th>Endemic Taxa</th>
<th>Non-Native Taxa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asteraceae</td>
<td>169</td>
<td>490</td>
<td>528</td>
<td>159</td>
<td>53</td>
</tr>
<tr>
<td>Poaceae</td>
<td>95</td>
<td>292</td>
<td>313</td>
<td>11</td>
<td>95</td>
</tr>
<tr>
<td>Fabaceae</td>
<td>77</td>
<td>285</td>
<td>314</td>
<td>92</td>
<td>28</td>
</tr>
<tr>
<td>Boraginaceae</td>
<td>25</td>
<td>122</td>
<td>143</td>
<td>21</td>
<td>1</td>
</tr>
<tr>
<td>Cactaceae</td>
<td>18</td>
<td>109</td>
<td>138</td>
<td>103</td>
<td>1</td>
</tr>
<tr>
<td>Euphorbiaceae</td>
<td>15</td>
<td>103</td>
<td>110</td>
<td>29</td>
<td>8</td>
</tr>
<tr>
<td>Brassicaceae</td>
<td>34</td>
<td>89</td>
<td>101</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>Polygonaceae</td>
<td>15</td>
<td>88</td>
<td>107</td>
<td>42</td>
<td>13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Genus</th>
<th>Species</th>
<th>Taxa</th>
<th>Endemic Taxa</th>
<th>Non-Native Taxa</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Euphorbia</em> (Euphorbiaceae)</td>
<td>54</td>
<td>59</td>
<td>17</td>
<td>7</td>
</tr>
<tr>
<td><em>Eriogonum</em> (Polygonaceae)</td>
<td>39</td>
<td>53</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td><em>Dudleya</em> (Crassulaceae)</td>
<td>36</td>
<td>41</td>
<td>36</td>
<td>0</td>
</tr>
<tr>
<td><em>Astragalus</em> (Fabaceae)</td>
<td>29</td>
<td>38</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td><em>Cyperus</em> (Cyperaceae)</td>
<td>29</td>
<td>30</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><em>Muhlenbergia</em> (Poaceae)</td>
<td>29</td>
<td>29</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><em>Phacelia</em> (Boraginaceae)</td>
<td>28</td>
<td>30</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td><em>Salvia</em> (Lamiaceae)</td>
<td>28</td>
<td>28</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td><em>Juncus</em> (Juncaceae)</td>
<td>27</td>
<td>29</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><em>Cylindropuntia</em> (Cactaceae)</td>
<td>26</td>
<td>37</td>
<td>27</td>
<td>0</td>
</tr>
</tbody>
</table>
be of significant value to the scientific and conservation communities, but to the general public as well by making them more aware of the great diversity of plants that compose the flora in this region of northwestern Mexico. The nomenclature pertaining to the plants in this Checklist will become the infrastructural standard for the online databases and botanical resources available on the www.bajaflora.org website and in the Baja California Botanical Consortium; greatly improving the accessibility and efficiency of these regional botanical resources.

**Endemism**

Evolutionary processes resulting from plate tectonic activity, isolation, and natural selection have yielded many plant species that are unique to the Baja California region. Endemism refers to the concept that a plant taxon (or any defined taxonomic group) is restricted to a specific geographic area and is unique to that particular location. For example, the genus *Amauria* in the Asteraceae is endemic to (or grows natively only in) the Baja California region and contains three different species that can be found only in our region (Rebman 2012).

According to Wiggins (1980), there were 686 endemic plant taxa in Baja California. The current floristic assessment yields a total of 820 (23.7% of the native taxa) strict endemics and 77 near-endemics for a combined total of 897 endemic taxa with a 25.9% rate of endemism for the native flora of Baja California. Thus, this Checklist results in an increase in 211 strict and near-endemic taxa; an increase of 30.7% in the count of endemics since Wiggins (1980) flora was published. With respect to geopolitical endemism, there are 294 endemic taxa in BC, 391 endemic taxa in BCS, and 135 endemic taxa in Baja California. The current floristic assessment yields a total of 820 (23.7% of the native taxa) strict endemics and 77 near-endemics (Rebman 2012).

Baja California has no endemic plant families, but there are 17 genera, including 2 naturally occurring intergeneric hybrid genera, that are strictly endemic to the region (Table 4). Of these, the Asteraceae have the greatest unique diversity with five endemic genera. Three endemic genera in our region are rather diverse with endemic taxa. These include *Stenotis* (Rubiaceae; previously recognized in *Houstonia* and *Hedyotis*) with seven endemic species (8 taxa); most of these are found only in BCS and mainly in the Cape region. Other diverse endemic genera include *Cochemiea* (Cactaceae) with five species and *Amauria* (Asteraceae) with three endemic species. Two endemic, monotypic genera (*Faxonia* and *Hesperelaea*) are possibly extinct. *Faxonia pusilla* (a single individual) has only been collected once in 1893 by T.S. Brandegee from the Cape region of BCS and has never been found again. *Hesperelaea palmeri* was a shrub endemic to Guadalupe Island collected only once by E. Palmer in 1875 and has most likely gone extinct as a result of the activities of humans and feral goats (Rebman 2012).

A few near-endemic genera to Baja California include *Bajacalia*, and *Pelucha* (Asteraceae), both also found in Sonora; *Bergerocactus* (Cactaceae), found in southern California and two adjacent Channel Islands; *Orothostaphylos* (Eriaceae), found in extreme southwestern San Diego County in California; and *Viscainoa* (*Zygophyllaceae*), also found in Sonora.

In respect to endemism within plant families, the Asteraceae, Cactaceae, and Fabaceae respectively, have the greatest numbers of endemic taxa (see Table 2). For endemism within genera, *Eriocactus*, *Astragalus* (Fabaceae), and *Euphorbia* (Euphorbiaceae) have the highest number of endemic taxa (see Table 3).

**Hybrids**

We choose to recognize approximately 63 hybrids in the Checklist because they are part of the diversity of life in our region and many of these are infrequently encountered in our natural areas. According to the International Code of Nomenclature for Algae, Fungi, and Plants (McNeill et al. 2012), hybrid taxa may be given a formal name different from either parent, with the “×” sign preceding the epithet; e.g., *Quercus xacutidens* Torr. is the formal name for a highly variable native shrub that is a putative hybrid between *Q. cornelius-mulleri* and *Q. engelmannii*, but it is relatively common in northwestern BC. Other hybrid names are simply represented by the presumed cross between two parents, e.g., *Cylindropuntia tesajo × C. ramosissima*. Hybrid plants may or may not be reproductively sterile. They may represent recurring crosses between species or infraspecies; in this case, they arise periodically in different places and different times, generally when the parent populations are sympatric or along the interface between parent populations. Hybrids may become persistent and stabilized, but not widespread to the point of “swamping out” the parental populations (Baker & Pinkava 1987). Persistent hybrid populations may represent an incipient speciation event.

The recognition of hybrids is generally based on morphological intermediacy between well-established species or infraspecies. In some cases, hybrid crosses between putative parents have been done experimentally and these progeny compared with those that occur in the wild in order to verify the parental heritage. In other

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**Table 4. Plant genera endemic to the Baja California region arranged by family**

<table>
<thead>
<tr>
<th>Plant Family</th>
<th>Endemic Genera</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anacardiaceae</td>
<td>Pachycormus</td>
</tr>
<tr>
<td>Asteraceae</td>
<td>Adenothamnus</td>
</tr>
<tr>
<td>Asteraceae</td>
<td>Amauria</td>
</tr>
<tr>
<td>Asteraceae</td>
<td>Baeiopsis</td>
</tr>
<tr>
<td>Asteraceae</td>
<td>Coulterella</td>
</tr>
<tr>
<td>Asteraceae</td>
<td>Faxonia</td>
</tr>
<tr>
<td>Cactaceae</td>
<td>Cochemiea</td>
</tr>
<tr>
<td>Cactaceae</td>
<td>Morangaya</td>
</tr>
<tr>
<td>Cactaceae</td>
<td>×Mycrgocactus</td>
</tr>
<tr>
<td>Cactaceae</td>
<td>×Pachrocactus</td>
</tr>
<tr>
<td>Oleaceae</td>
<td>Hesperelaea</td>
</tr>
<tr>
<td>Onagraceae</td>
<td>Xylonagra</td>
</tr>
<tr>
<td>Polemoniaceae</td>
<td>Acanthogilia</td>
</tr>
<tr>
<td>Polygonaceae</td>
<td>Harfordia</td>
</tr>
<tr>
<td>Rubiaceae</td>
<td>Carterella</td>
</tr>
<tr>
<td>Rubiaceae</td>
<td>Stenotis</td>
</tr>
<tr>
<td>Themidaceae</td>
<td>Behria</td>
</tr>
<tr>
<td><em>Ocrogonum</em> (Polygonaceae), Cylindropuntia (Cactaceae), Astragalus (Fabaceae), and Euphorbia (Euphorbiaceae)</td>
<td>have the highest number of endemic taxa (see Table 3).</td>
</tr>
</tbody>
</table>
cases, genetic evidence is available that supports a hybrid origin and that identifies the parents. However, in the absence of such evidence, the recognition of hybrids is controversial and debatable.

Non-native Plants

According to Garcillán & Ezcurra (2012), “non-native plants (also known as exotics, alien plants, or non-indigenous plants) are those whose presence in a given area is due to intentional or accidental introduction by human activity.” Sometimes these plants are referred to as weeds, but “weed” is a more difficult term to define than most people realize. Webster’s Ninth New Collegiate Dictionary, 1988 defines a weed as “a plant that is not valued where it is growing and is usually of excessively vigorous growth, especially one that tends to overgrow or choke out more desirable plants.” In relation to Baja California, this definition encompasses two of the most detrimental aspects of weedy species, which are their exotic origin (introduced to the Baja California region) and their competitive abilities in local habitats. However, other applications of the word “weed” can be associated with their rapid establishment in disturbed habitats such as along roadsides and recently cleared areas. In this context, a weed is a pioneering species that can obviously disperse well to new locations, establish itself in one of the first stages of plant community succession, and populate the area quickly by either seeds or vegetative means. Although these characteristics are very common in many non-native and invasive plants, there are a few native species in our region that can also act in this manner. Thus, when it all comes down to the basics, a weed is really any plant that grows in a place where we do not want it to grow—a very subjective term.

For the purposes of this Checklist, we are only designating non-native taxa rather than weedy or invasive species. In this respect, the Checklist includes 421 vouchered non-native species (11.9% of species diversity) and 426 non-native taxa (10.9% of the total diversity of taxa). These non-native numbers are significantly greater than those published by Garcillán et al. (2013) which included 233 non-native taxa.

Some of the taxa listed in the Checklist may represent “waifs,” non-native plants that have escaped from cultivation or been accidentally transported from other areas, but which have not become well established (possibly due to their inability to reproduce in the local habitats) and which may become, or already have become, extirpated in the region. An example of a waif is Melia azedarach L., known from a single collection in BC (Rebmam 27049, SD 234563). A precaution, however, is that some waifs could represent the incipient stage of establishment, of plants that could spread in the future. However, we hold the view that listed taxa for which there is no scientific evidence (i.e., no herbarium specimen voucher) cannot be accepted as occurring in the region.

Bajaflora.org and the Baja California Botanical Consortium

The Bajaflora website, <http://www.bajaflora.org>, created and maintained by the Botany Department at the San Diego Natural History Museum (SDNHM), supports a continuing effort to consolidate information related to the plant life of the Baja California peninsula and its adjacent islands. A combined specimen database that is housed/maintained at SDNHM is called the Baja California Botanical Consortium (BCBC). This database contains 88,850 specimen records of collections from the Baja California region deposited in seven herbaria (BCMEX, HCB, RSA/POM, SBBG, SD, SDSU, UCR). The BCBC database is currently password protected (but available to researchers working on the flora and to all curators of herbaria that are part of the BCBC) and is available through the bajaflora.org website. However, as a result of a new National Science Foundation supplemental grant, the BCBC will begin direct collaboration with the California Consortium of Herbaria in order to exchange specimen record data and open more of the online resources available at bajaflora.org to the public. This SDNHM website also contains a searchable archive of approximately 45,000 digital images of plants and landscapes from the region, digitized field notes of Dr. Reid Moran, plant checklists from selected areas, historic geographic maps of the region that have been digitized, searchable type specimen catalog, detailed mapping and georeferencing applications, Baja California historic place names index and mapping tool, and many other online resources pertaining to the flora of Baja California. With the publication of this Checklist, it is our intent to make the digitally scanned specimen vouchers that are correlated to the Checklist available to the public. Other web resources that will benefit from the standardized nomenclature of this Checklist include the more than 25,000 specific plant photographs that are currently available on bajaflora.org. This online resource will be much easier to use and query when plant common names and scientific names are completely integrated. The nomenclature used in this Checklist will also be integrated into the combined specimen database of the BCBC. This feature will greatly improve

Reported and Excluded Taxa

Some plant taxa published in Wiggins (1980) and other major floristic treatments for the region apparently lack voucher specimens deposited in an accredited herbarium, or at least these vouchers were not found during the visits to the primary herbaria with strong collections from the Baja California region. In addition, during visits to some herbaria we found misidentified specimens that we annotated to the correct taxon so we indicate the taxonomic issues in the appendix involving these specimens in case duplicate specimens are deposited in other herbaria. As a result, we have compiled a list of 548 taxa that lack any known specimen vouchers, which have been excluded from the voucher-based list and are included in Appendix I. In this list, we have cited the source of the reported taxon, where it was considered to occur geographically in the region, and in the case of misidentified specimens, to which voucher taxon it might be confused. Of the plants listed in the Wiggins (1980) flora, 229 plant taxa are currently excluded from the voucher-based catalog in this Checklist. Some of these excluded listings may simply be mistakes from past treatments or anecdotal checklists. Others may well occur in Baja California, but are either not documented (with a voucher herbarium specimen) or are documented in a herbarium without our knowledge. Some may have occurred in the region in the past but are now extinct/extirpated and without a voucher. We hope to clarify more of these undocumented taxa in the future. However, we hold the view that listed taxa for which there is no scientific evidence (i.e., no herbarium specimen voucher) cannot be accepted as occurring in the region.
name and spatial searches for plant taxa of the Baja California region for research, biogeographic, and conservation purposes.

**Taxonomic Classification**

The general arrangement or classification used for the major plant groups in this Checklist is described below and is diagrammatically outlined and described in more detail in Rebman & Simpson (2014).

The Land Plants (also known as Embryophytes or Embryophyta) are a group of organisms that have adaptations for surviving on land and that most people equate with the term “plant”. Land Plants are made up of three relatively small groups—the liverworts, hornworts, and mosses—that lack specialized conductive tissue, plus a very large group that has conductive tissue (xylem and phloem), the Vascular Plants or Tracheophytes. The basal, “non-vascular” liverworts, hornworts, and mosses (often collectively termed “bryophytes”) are not treated in this Checklist because collections of these taxa remain scanty and identification of these groups requires special expertise.

This Checklist of the native and naturalized Vascular Plants occurring in Baja California arranges species alphabetically by plant family within major vascular plant groups. The major vascular plant groups that we recognize (see Simpson 2010) are: Lycophytes (=Lycopsids), Equisetophytes (Equisetales, =Sphenopsids), Ophio-
glossoid Ferns (Ophioglossales), Leptosporangiate Ferns (Polypodiales), Conifers (including the Gnetales), and Angiosperms (Flowering Plants).

The Seed Plants (Spermatophytes) are a major component of the Land Plants, among which only members of the Conifers, Gnetales, and Angiosperms (Flowering Plants) are native or naturalized in Baja California. Although many recent studies support the Gnetales (including species of Ephedra in our flora) to be nested within the Conifers, we treat them as a separate group in the Checklist.

Within the Angiosperms, we mostly adhere to the Angiosperm Phylogeny Group III (2009) system of classification in denoting major groups and most families. This system, commonly abbreviated APG III, superseded the earlier APG (1998) and APG II (2003) systems. The APG III system is based primarily on molecular (mostly DNA sequence) data and the strict recognition of “monophyletic” groupings (those consisting of a common ancestor and all descendents). The native or naturalized Flowering Plants in Baja California occur in four major taxonomic groups in the APG III system: Magnoliids (including the Aristolochiaceae, Piperaceae, and Saururaceae of the order Piperales), Ceratophyllales (Ceratophyllaceae), Monocots, and Eudicots. The group traditionally known as “Dicots” are known with confidence to comprise an unnatural grouping, and has been formally abandoned. However, of the Baja California species that have traditionally been treated as “Dicots”, almost all belong to a well-defined, monophyletic group called the Eudicots. Thus, the Flowering Plants that occur in Baja California are either Monocots, Eudicots, or one of nine species in the families Aristolochiaceae, Piperaceae, and Saururaceae of the Magnoliids, and Ceratophyllaceae of the Ceratophyllales. These four families are placed at the beginning of our list of Angiosperms, to denote their basal evolutionary position and their distinction from the Monocots and Eudicots.

Although the classification of flowering plant families of our Checklist largely follows Jepson II (Baldwin et al. 2012) which, with few exceptions, conforms to APG III, we cite some differences based on recent phylogenetic studies. Additional changes, such as the splitting of the Boraginaceae into segregate families, might be warranted in the future. An excellent web site for up-to-date information on angiosperm classification and relationships is the Angiosperm Phylogeny Website (Stevens 2001+).

Environmental Status Listing
Status is provided for rare, threatened, endangered, extirpated, or extinct taxa that have some sort of designated or formal level of protection. This category includes those plants listed in the Norma Oficial Mexicana NOM–059–ECOL–2010, California Native Plant Society’s (CNPS) Rare Plant Inventory with a rare plant rank, State of California listing status, and US Federal listing status. Additionally, for taxa in the California Floristic Province (CFP) region of northwestern BC we have supplied the categories of rarity, threat, and endemism for the inventory being published by O’Brien et al. (in press).

ACKNOWLEDGEMENTS
We thank Layla Aerne Hains, Jeannie Gregory, Martha Blake-Jacobson, Mary Alice Kessler, Janet Merritt, John Sanborn, Warren Schmidtmann, Annette Winner, and numerous volunteers at the San Diego Natural History Museum Herbarium (SD) for their help in finding, processing, and recording vouchers and specimen scans. We are especially indebted to John Sanborn for his hard work and efforts in creating the Bajaflora.org website, developing countless online botanical resources, managing the BCBC data, and for so eagerly fulfilling all of our database wants and needs in the SDNHM Botany Department. Our gratitude is extended to Janet Merritt for her assistance with reviewing this manuscript and so skillfully finding mistakes in the text and formatting of the Checklist. However, the authors accept sole responsibility for any errors or omissions. This Checklist would not have been possible without the generous assistance of several Mexican botanists who gave of their time and expertise, including José Delgadillo Rodríguez of the Universidad Autónoma de Baja California (UABC) in Ensenada; José Luis León de la Luz, Miguel Domínguez León, Reymundo Domínguez Cadenas, and Alfonso Medel Narváez of the Centro de Investigaciones Biológicas del Noroeste (CIBNOR) in La Paz. We thank all of the collectors who have contributed their time and labors to scientifically document the Baja California flora with herbarium specimens, especially the monumental efforts of Reid Moran, Anmeta Carter, T. S. Brandegee, M. E. Jones, George Lindsay, and Robert Thorne. We deeply thank the curators of the BCMEX, CAS/DS, HCIB, MO, RSA/POM, SBBG, SD, SDSU, UC/JEPS, and UCR herbaria for allowing us to use their specimen collections and electronic data and for letting us visit, study, and photograph in their collections. In respect to funding assistance for this massive multi-year project, we thank many organizations, foundations, and private individuals that have provided us with financial support. The Wallace Research Foundation supplied initial funding that enabled our visit to San Francisco to obtain collection data from the major herbaria in the Bay area and to visit the Los Angeles area to work in the herbarium at the Rancho Santa Ana Botanic Garden. This grant also funded some of Karen Rich’s position in order to start digitally scanning the Baja California synoptic collection located in the SD Herbarium, and this grant is aiding with printing and publication expenses for this publication. We also received a 2005 award from the Annette Carter Memorial Fund of the California Botanical Society, which allowed us to conduct preliminary visits to the two recognized herbaria (BCMEX & HCIB) on the Baja California peninsula that house unique collections of the regional flora. We personally thank Nancy Nenow for organizing and hosting a fundraiser specifically for this project that helped us continue to make progress even between major grants. Lastly, we are extremely grateful for the grant from the JiJi Foundation, which has allowed us to finally finish this long-term project and prepare it for publication.

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botany and supporting me personally in so many ways. Thanks to Mike Simpson for his friendship, help with preface writing, and for his constant drive to publish, which inspires us all. Although there are too many to name, my gratitude is extended to all of the volunteers and traveling companions that I have had the honor to know and share adventures with over the years on countless field trips to Baja California.

**Updates and Digital Resources**

We would appreciate and encourage notification of any voucheder additions or corrections to this Checklist, particularly knowledge of voucher specimens or field localities of taxa for which we lack documentation (in Appendix 1). Please relay such information to Dr. Jon Rebman, San Diego Natural History Museum, P.O. Box 121390, San Diego, CA 92112-1390 (SD Herbarium: 619-255-0229; email: jrebman@sdnhm.org).

NOTE: Online access, including additions, corrections, digital images of voucher specimens and other correlated materials to the Checklist, will be available in the future from the Bajaflora web page: http://www.bajaflora.org.

**LITERATURE**

(Cited in Preface and as General References)


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FORMAT OF THE VOUCHER-BASED CHECKLIST

The following formatting is used in the Checklist:

1) Major vascular plant groups are noted in Bold with 12 point font and centered.

2) Families are noted in Bold with 10 point font and centered.

3) Species and infraspecies are noted in Bold italics (subsp.=subspecies, var.=variety); full authorships for these taxa are listed.

4) The symbol "*" precedes the name of a taxon that is not native to the Baja California region, but has become naturalized.

5) Synonyms (rejected names) are listed within square brackets "[ ]". We list only those synonyms that have commonly been used in our region such as in Wiggins (1980) or Lenz (1992). We have highlighted the plant name used in Wiggins (1980) by indicating “In Wiggins as” if the nomenclature is different from the scientific name that we are currently recognizing. We also incorporate basionyms for most of the plant taxa described from the region that have type specimens collected from Baja California.

6) Status refers to taxa that have some sort of formal protection and are typically rare, endangered, or extinct. This category includes plants listed in the Norma Oficial Mexicana NOM–059–ECOL–2010, California Native Plant Society’s (CNPS) Rare Plant Inventory with a rare plant rank, State of California listing status, US Federal listing status, and for taxa in the California Floristic Province (CFP) region of northwestern BC there are categories of rarity and endemism that is by O’Brien et al. in press.

7) Endemism is indicated for the state of Baja California (BC endemic), the state of Baja California Sur (BCS endemic), for the entire Baja California region (LC endemic), and for near-endemic taxa (Near-endemic)

8) A representative herbarium voucher is shown in curly brackets “{ }”, listing the collector’s name and collection number (or s.n. followed by collection date if no number is given) and then the herbarium acronym—from BCMEX, CAS, HCIB, POM, SD, UC, etc.—and associated herbarium accession number. The voucher from the state of Baja California (BC) is listed first; then one from the state of Baja California Sur (BCS).

9) A specific note about each taxon in the Checklist is in italics and usually includes more detailed information on distribution, variability, taxonomic issues, or scarcity in the region. Note that values for prevalence (e.g., very rare, rare, uncommon, etc.) are based upon each plant’s distribution throughout the entire Baja California region and also the number of herbarium specimens known documenting its occurrences in the region.

10) Ecoregion information reflects the distribution of each taxon within the Baja California region as is currently known using vouchedered occurrences based on georeferenced herbarium specimens that are part of the Baja California Botanical Consortium. The ecoregion categories follow the phytogeographic map of Baja California published by Garcillan et al. (2012) and used in the Baja California Plant Field Guide (Rebman & Roberts 2012).

11) "Wider distrib." Refers to the distribution of the taxon outside of the Baja California region, in this order: if non-native, its place of origin, then distribution within Mexico, prioritizing Sonora and Sinaloa first due to their floristic affinities to Baja California, then other states of Mexico in alphabetical order; states of the USA in alphabetical order or a more general description of the US region; then the rest of North America, Central and South America, and the world. The words northern, southern, eastern, western, and central are abbreviated as n, s, e, w, and c.

12) Common names are noted in Small Capitals with common name(s) in English listed first and then common name(s) in Spanish (if one could be found). These names are derived from various literature and online sources such as Rebman & Roberts (2012) and CONABIO’s Malezas de Mexico Database (2012), or are created by us, particularly English common names.

13) Pertinent taxonomic literature is fully cited for various taxonomic groups in the Checklist including particular plant families (if present cited below the family name), genera (cited before the first species in the genus), and species complexes (cited within the specific taxon). The purpose of most of this literature is to allow readers to better understand the taxonomy listed in this Checklist and to identify members of a given taxonomic group.
BAJA CALIFORNIA ANNOTATED, VASCULAR PLANT CHECKLIST:

Documented with Herbarium Vouchers

Lycophytes

Isoetaceae

Isoetes howelli var. howelli
{BCS: M. Domínguez L. 4026 (SD 189120)}
This very rare native variety occurs in wet areas at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: w North America
HOWELL QUILLWORT

Isoetes howelli var. minima (A.A. Eaton) N. Pfeiff.
{BCS: M. Domínguez L. 2781 (HCIB 13278)}
This very rare native variety occurs in wet areas at higher elevations in the SLL of BCS. This variety differs from the typical variety by having leaves less than 10 cm long and female spores less than 0.42 mm. However, this needs further taxonomic study to see if it really warrants recognition.
Ecoregions: CSS, CPM; Wider distrib.: CA, WA
SMALL HOWELL QUILLWORT

Isoetes orcutti A.A. Eaton
Status in CFP: 2A.
{BC: Moran 26667 (SD 101605); BCS: T.S. Brandegee 674 (UC 122604)}
This very rare native species occurs mostly in vernal pools in nw BC, but a UC specimen (Brandegee 674) from the SLL of BCS was annotated by an expert as this species as well.
Ecoregions: CSS, CPM; Wider distrib.: c & s CA
ORCUTT QUILLWORT

Selaginellaceae

Selaginella arizonica Maxon
{BCS: Moran 18820 (SD 94436)}
This rare species occurs at higher elevations in the SGUAD & SGIG of BCS.
Ecoregions: GIG; Wider distrib.: SON, AZ
ARIZONA SPIKE-MOSS; FLOR DE PIEDRA

Selaginella asprella Maxon
Status in CFP: 2A; Listed: CNPS 4.3.
{BC: Moran 15451 (SD 68937)}
This very rare species occurs at higher elevations in the SSPM of BC.
Ecoregions: CMT; Wider distrib.: s CA
BLUSH SPIKE-MOSS

Selaginella bigelovii L. Underw.
{BC: Moran 15751 (SD 72267); BCS: Rebman 4491 (SD 141808)}
This common species occurs throughout most of the peninsula from extreme nw BC south to the Cape region and on Cedros Island. Individuals of this species in BCS seem to have much longer leaf margin cilia and approach S. rupincola in many aspects.
Ecoregions: CSS, CHA, CSU, PI (Cedros), CD, GIG, CPM; Wider distrib.: CA
BIGelow SPIKE-MOSS; FLOR DE PIEDRA, MUSGO

Selaginella cinerascens A.A. Eaton
Status in CFP: 4; Listed: CNPS 4.1.
{BC: Moran 20283 (SD 92812)}
This uncommon species occurs along the Pacific coast and lower foothills in extreme nw BC from Tijuana south to Colonet. Many of the populations of this species are threatened due to agricultural & urban development in this region.
Ecoregions: CSS, CSU; Wider distrib.: s CA
ASHY SPIKE-MOSS, MESA SPIKE-MOSS; MUSGO

Selaginella eremophila Maxon
Status in CFP: 2B; Listed: CNPS 2.2.
{BC: Moran 23045 (SD 95597)}
This uncommon species occurs mostly in desert transition areas from the east side of the SJ south to the SBOR in BC. Specimens identified as this species in BCS are likely mis-IDs of S. arizonica.
Ecoregions: CHA, CMT, LCD; Wider distrib.: SON, COA, SW AZ, s CA
DESERT SPIKE-MOSS

Selaginella hoffmannii Hieron.
{BCS: León de la Luz 2813 (HCIB 3007)}
This very rare species is only known in our region from a couple of collections in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SIN, c Mexico, Central America
HOFFMANN SPIKE-MOSS

Selaginella lepidophylla (Hook. & Grev.) Spring
{BC: J. Delgadillo s.n., 1 Mar 1982 (BCMEX 1415); BCS: M. Domínguez L. 2026 (SD 140773)}
The specimen in CSS of nw BC is out of its normal range and was collected at Las Chichihuas north of Ensenada.
Ecoregions: CSS, CPL, CPM; Wider distrib.: SON, SIN, most of Mexico, El Salvador, NM, w TX
RESURRECTION PLANT; SIEMPRE VIVA, DORADILLA, FLOR DE PIEDRA

Selaginella novoleonensis Hieron. in Engl. & Prantl
{BCS: Turner & Lowe 59-129 (NY)}
This very rare native species is only known in our region from one specimen collected in the SLL of BCS in 1959. Specimen not seen but cited in Mickel & Smith p. 584.
Ecoregions: CPL; Wider distrib.: SON, n Mexico
NUEVO LEON SPIKE-MOSS

Selaginella pallescens (C. Presl) Spring
{BCS: T.R. Pray 1783 (RSYA 684460)}
This very rare species occurs mostly in the SLL of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, n & c Mexico, Central America, South America
PALE SPIKE-MOSS; SIEMPRE VIVA, DORADILLA

Equisetophytes

Equisetaceae

Equisetum ×ferrissii Clute
[In Wiggins as Equisetum ferrissii (not as a hybrid)]
{BC: Wiggins s.n., no date (DS 256590)}
This is a rare, sterile native hybrid between E. hyemale subsp. affine and E. laevigatum that is known to occur in the SSSP of nw BC.
Ecoregions: CMT; Wider distrib.: SON
FERRIS SCOURING-RUSH, FERRIS HORSETAIL; COLA DE CABALLO

Equisetum hyemale var. affine (Engelm.) A.A. Eaton
In Wiggins as Equisetum hyemale var. affine (Engelm.) A.A. Eaton
Status in CFP: 2B.
{BC: Moran 15465 (SD 68887); BCS: M. Domínguez L. 2050 (HCIB 9319)}
This rare species occurs in wet areas of the SSPM in n BC & the SLL of BCS. 
Ecoregions: CMT, CPM; Wider distrib.: SON, widespread in North and Central America, ne Asia
COMMON SCOURING-RUSH, ROUGH HORSETAIL; COLA DE CABALLO

Equisetum laevigatum A. Braun
(BC: Moran 22910 (SD 96669); BCS: Thomas 7897 (US))
This uncommon native species occurs mostly in nw BC and is only known from one specimen in BCS which was not seen, but was cited Mickel & Smith p. 319.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: SON, nw Mexico, c & w USA, s Canada
SMOOTH SCOURING-RUSH, SMOOTH HORSETAIL; COLA DE CABALLO

Ophioglossoid Ferns

Ophioglossum californicum Prantl
Status in CFP: 2A; Listed: CNPS 4.2.
(BC: M.E. Jones 3750 (POM 119975))
This very rare species occurs in nw BC, especially near ver- nal pool habitats. Specimens from BCS annotated as this are likely mix-IDs of either O. nudicaule or O. engelmannii.
Ecoregions: CMT, CPM; Wider distrib.: SON, Central & South America, se USA
california adder’s-tongue

Ophioglossum crotalophoroides Walter
(BCS: T.S. Brandegee s.n., 14 Sep 1893 (POM 119977))
This very rare species is only known in our region from a couple of specimens in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SIN, c Mexico, Central & South America, se USA
bulbous adder’s-tongue

Ophioglossum engelmannii Prantl
(BCS: T.S. Brandegee 671 (UC 122870))
This very rare native species is only known in our region from a couple of specimens in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, n & c Mexico, Central America, s USA
engelmann adder’s-tongue, limeStone adder’s-tongue

Ophioglossum nudicaule L.f.
(BCS: T.S. Brandegee s.n. 13 Sep 1893 (POM 119979))
This very rare species is only known in our region from one histori- cal specimen collected by Brandegee on 13 Sep. 1893 from El Taste in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, n & c Mexico, Central & South America, se USA
least adder’s-tongue, slender adder’s-tongue

Ophioglossum polyphyllum A. Braun in Seubert
(BCS: Keil & McGill 8236 (ENCBC, MICH))
This very rare species is only known in our region from one specimen in BCS which was not seen but is cited in Mickel & Smith p.432.
Ecoregions: unknown; Wider distrib.: SON, n & c Mexico, AZ, HI, TX, Africa, China
large adder’s-tongue

Ophioglossum reticulatum L.
(BCS: M. Domínguez L. 2743 (HCIB 12374))
This very rare species occurs in the SLL of BCS.

Asplenium blepharodes D.C. Eaton
BCS endemic.
(BCS: Thomas 7830 (SD 94590))
This BCS endemic fern is known from the SGUAD, SGIG, and the higher mountains of the Cape region.
Ecoregions: CPM, GIG
Baja California Spleenwort

Asplenium monanthes L.
(BCS: M. Domínguez L. 2146 (SD 149103))
This very rare species occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: Widespread in Mexico, s USA, Central & South America, Africa
single-sorus Spleenwort

Asplenium palmeri Maxon
(BCS: M. Domínguez L. 3264 (SD 160209))
This very rare species is only known in our region from the SGUAD in n BC. This individual is not a perfect fit for this species and appears to be somewhat similar to A. gentryi of SON & SIN as well.
Ecoregions: GIG; Wider distrib.: SON, SIN, c Mexico, Central & South America, AZ, NM, TX
palm Spleenwort

Asplenium pumilum Sw.
(BCS: T.R. Pray 1785 (RSA 691710))
This very rare species occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, c Mexico, Central & South America, FL, Africa
dwarf Spleenwort

Asplenium septentrionale (L.) Hoffm.
Status in CFP: 2B.
(BC: Moran 14343 (SD 79538))
This very rare species is only known in our region from the higher elevations of the SSPM in nw BC.

Leptosporangiate Ferns

Anemiaceae

Anemia is sometimes recognized in the Schizaeaceae.

Anemia hirsuta (L.) Sw.
(BCS: B. Hammerly 315 (CAS))
This native species is very rare in the SLL of BCS. Specimens from the higher elevations of the SLL may be A. hirsuta or intermediates with A. jaliscana.
Ecoregions: CPM; Wider distrib.: c & s Mexico, Central & South America
hairy flowering-fern

Anemia jaliscana Maxon var. jaliscana
(BCS: Rebman 3583 (SD 145427))
This species is rare in the SLL of BCS. Some specimens identified as A. hirsuta are not correct and are not deeply lobed enough for that species; plus intermediates are known with A. hirsuta in our region.
Ecoregions: CPM; Wider distrib.: SON, SIN, western Mexico
jalisco flowering-fern

Aspleniaceae

Asplenium blepharodes D.C. Eaton
BCS endemic.
(BCS: Thomas 7830 (SD 94590))
This BCS endemic fern is known from the SGUAD, SGIG, and the higher mountains of the Cape region.
Ecoregions: CPM, GIG
Baja California Spleenwort

Asplenium monanthes L.
(BCS: M. Domínguez L. 2146 (SD 149103))
This very rare species occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: Widespread in Mexico, s USA, Central & South America, Africa
single-sorus Spleenwort

Asplenium palmeri Maxon
(BCS: M. Domínguez L. 3264 (SD 160209))
This very rare species is only known in our region from the SGUAD in n BC. This individual is not a perfect fit for this species and appears to be somewhat similar to A. gentryi of SON & SIN as well.
Ecoregions: GIG; Wider distrib.: SON, SIN, c Mexico, Central & South America, AZ, NM, TX
palm Spleenwort

Asplenium pumilum Sw.
(BCS: T.R. Pray 1785 (RSA 691710))
This very rare species occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, c Mexico, Central & South America, FL, Africa
dwarf Spleenwort

Asplenium septentrionale (L.) Hoffm.
Status in CFP: 2B.
(BC: Moran 14343 (SD 79538))
This very rare species is only known in our region from the higher elevations of the SSPM in nw BC.
Asplenium vespertinum Maxon

Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 30526 (SD 110733)}
This very rare species is only known from extreme nw BC to the northeast of Ensenada.
Ecoregions: CHA; Wider distrib.: s CA
NORTHERN SPLEENWORT, FORKED SPLEENWORT

Athyriaceae

Athyrium arcuatum Liebm.
{BC: León de la Luz 9616 (HCIB 12662)}
This very rare native species is only known from one specimen in our region collected in the SLL and is not reported in Mickel & Smith for BCS.
Ecoregions: CSS, CSU; Wider distrib.: c & s Mexico, Central America
Athyrium bourgeaui E. Fourn.
{BC: T.S. Brandegee s.n., 3 Oct 1899 (UC 123160)}
This very rare species is only known from one historical specimen in our region in the SLL of BCS and is cited by Mickel & Smith. Note the UC specimen is annotated as A. felix-femina var. cyclosorum which according to Mickel & Smith cannot be distinguished from this species and needs more taxonomic work.
Ecoregions: CSS, CHA, CSU; Wider distrib.: c & s Mexico, Central America
Bourgeau Lady Fern

Azollaceae

Azolla filiculoides Lam.
{BC: Moran 22235 (SD 91711)}
This uncommon native floating fern occurs in wet areas of nw BC.
Note this genus is sometimes placed in the Salviniaceae.
Ecoregions: CSS, CHA, CSU; Wider distrib.: Central & South America, w USA, w Canada
PACIFIC MOSQUITO FERN

Azolla microphylla Kaulf.
[syn = Azolla mexicana C. Presl]
Listed: CNPS 4.2.
{BC: Moran 27852 (SD 103325)}
This rare native floating fern occurs in wet areas of nw BC from near Colonet to San Quintín. Note this genus is sometimes placed in the Salviniaeae.
Ecoregions: CSS, CSU; Wider distrib.: Central & South America, c & w USA, sw Canada
PACIFIC MOSQUITO FERN

Blechnaceae

Woodwardia fimbriata Sm.
Status in CFP: 4.
{BC: Moran 25576 (SD 100342); BCS: T.S. Brandegee s.n., 17 Oct 1893 (UC)}
This rare native fern occurs mostly in nw BC from near Tecate south to the SSPM. It is only known in BCS from one historical specimen collected at La Chuparosa in the SLL which was not seen but is cited in Mickel & Smith p. 693.
Ecoregions: CSS, CHA, CMT; Wider distrib.: SON, w USA, sw Canada
Giant Chain Fern

Cystopteridaceae

Cystopteris fragilis (L.) Bernh.
Status in CFP: 2B.
{BC: Moran 15403 (SD 105008); BCS: D.E. Breedlove 43317 (CAS 605596)}
This rare species occurs in our region with only a few specimens documenting it at high elevations in the SSPM of nw BC and in the SLL of BCS.
Ecoregions: CMT, CPM; Wider distrib.: Central & South America, Europe, Asia
Brittle Bladder Fern, Brittle Fern, Fragile Fern

Dennstaedtiaceae

Pteridium aquilinum (L.) Kuhn var. latusculum (Desv.) Underw.
{BCS: M. Domínguez L. 2778 (SD 147293)}
This rare variety is only known from one specimen collected in the SLL in BCS and is not cited in Mickel & Smith for this state.
Ecoregions: CPM; Wider distrib.: Central & South America, Europe, Asia
Pteridium aquilinum (L.) Kuhn var. pubescens L. Underw.
[In Wiggins as Pteridium aquilinum L. var. lanuginosum (Bong.) Fernald]
{BC: Moran 29985 (SD 110271); BCS: Aguirre Claveran 96 (ENCB)}
This native variety is uncommon in nw BC, but is only known in BCS from one specimen which was not seen but is cited in Mickel & Smith p. 532.
Ecoregions: CSS, CHA, CMT; Wider distrib.: SIN, SIN, northern Mexico, eastern USA, Canada, Europe, Asia
Southern Bracken Fern, Helecho Hembra

Dryopteridaceae

Dryopteris arguta (Kaulf.) Maxon
Status in CFP: 4.
{BC: Moran 27878 (SD 103195)}
This uncommon native species occurs in extreme nw BC from Tijuana south to the vicinity of Colonet.
Ecoregions: CSS, CHA, CSU; Wider distrib.: AZ, west coast USA, sw Canada
COASTAL WOOD FERN, MARGINAL WOOD FERN

Dryopteris filix-mas (L.) Schott
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Moran 25572 (SD 100349)}
This very rare native fern is only known in our region from one historical specimen collected at high elevations in the SSPM of nw BC. Note that this species is not cited for BC by Mickel & Smith.
Ecoregions: CPM; Wider distrib.: CHH, sw USA, Greenland, Europe, Asia
MALE FERN; HELECHO MACHO
**Dryopteris rossii** C. Chr.
[In Wiggins as Dryopteris patula (Sw.) Underw. var. rossii (C. Chr.) C. Chr.]
{BCS: Rebman 5775 (SD 143170)}
This rare native species occurs at higher elevation in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SIN, c Mexico, Central America, AZ Ross WOOD FERN

**Polystichum munitum** (Kaulf.) C. Presl
[syn = Polystichum solitarius (Maxon) Underw., Polystichum munitum subsp. solitarius Maxon]
Status in CFP: 2B.
{BC: Moran 29591 (SD 108999)}
This very rare native species occurs only on Guadalupe Island in our region.
Ecoregions: PI (Guadalupe); Wider distrib.: West coast USA, west coast Canada
COMMON SWORD FERN, WESTERN SWORD FERN

**Marsilea mollis** B.L. Rob & Fernald
{BCS: T.S. Brandegee s.n. Sep 1893 (DS 220237)}
This very rare native species is only known from one historical specimen in our region collected at San José del Cabo by Brandegee in Sep 1893 in the Cape region of BCS. This specimen should be verified as it is not a mis-ID of P. polylepis which was not seen but is cited in Mickel & Smith p.493.
Ecoregions: CPL; Wider distrib.: SON, n & c Mexico, California PolyPody

**Marsilea vestita** Hook. & Grev. subsp. vestita
[In Wiggins as Marsilea fournieri C. Chr.; syn = Marsilea minuta Fourn. [auct. non L.]]
{BCS: Rebman 4736 (MO 1635081)}
This very rare native species occurs only on Guadalupe Island in our region.
Ecoregions: CPL; Wider distrib.: SON, n & c Mexico, South America, AZ, TX
CHIHUAHUAN WATER-CLOVER; TREBOL DE AGUA

**Marsilea americana** A. Braun
Status in CFP: 2B.
{BC: Moran 27101 (SD 102147)}
This very rare native species occurs in vernal pools of extreme nw BC between Tijuana & Ensenada.
Ecoregions: CSS; Wider distrib.: DUR, w USA, South America
AMERICAN PILLWORT

**Polypodium californicum** Kauff.
{BC: Moran 18389 (SD 77956)}
This very rare native fern occurs commonly in nw BC from Tijuana south to El Rosario and on various adjacent Pacific islands including Cedros & Guadalupe. Reports in Mickel & Smith of the BCS voucher of Anthony 1895 on Coronados Island is most likely the Los Coronados Islands off of Tijuana in nw BC from where this species has been documented.
Ecoregions: CSS, CHA, CSU, PI (Cedros, Guadalupe); Wider distrib.: c Mexico, CA
CALIFORNIA POLYPODY

**Polypodium scouleri** Hook.
{BCS: T.R. Pray 1773 (LAM)}
This very rare species is only known from one specimen in our region collected in the SLL of BCS. This specimen should be verified as it is not a mis-ID of P. polylepis which was not seen but is cited in Mickel & Smith p.493.
Ecoregions: unknown; Wider distrib.: CHH, Central Mexico, Central America
HARTWEG POLYPODY

**Polypodium hesperium** Hook.
{BCS: Rebman 3807 (SD 145425)}
This rare species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: n & c Mexico (except SON, SIN)
SPOTTED POLYPODY; CANAGUALA

**Polypodium madrense** J. Sm.
{BCS: A. Carter 2443 (MO 1635081)}
This very rare species is only known from one specimen in our region collected in the SLL of BCS. This specimen should be verified as it is not the closely related *P. guttatum* which is also known from this region.
Ecoregions: CPM; Wider distrib.: SIN, n & c Mexico
SIERRA MADRE POLYPODY

**Polypodium scouleri** Hook. & Grev.
Status in CFP: 2B.
{BC: Moran 25612 (SD 100306)}
This rare species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: CHH, w USA, Canada
WESTERN POLYPODY

**Polypodium polylepis** (Kunze) T. Moore var. polylepis
{In Wiggins as Polypodium lanceolatum L. misappl.}
{BCS: Rebman 3766 (SD 143168)}
This rare native species occurs at higher elevations in the SLL of BCS. Note that Wiggins’s reference to Polypodium lanceolatum L. is misapplied to this taxon.
Ecoregions: CPM; Wider distrib.: SIN, n & c Mexico
RED-SCALE SCALY POLYPODY

**Pleopeltis mexicana** (Fée) Mickel & Beitel
{BCS: León de la Luz 2070 (HCIB 3019)}
This very rare species is not listed in Mickel & Smith for BCS and is only known from one specimen in the SLL of BCS. This specimen needs to be verified as it is not a mis-ID of *P. polylepis*.
Ecoregions: GIG; Wider distrib.: SON, SIN, n & c Mexico, sw USA, Central & South America
Fringe-Scale Polypond

Pteridaceae

Adiantum braunii Mett. ex Kuhn
{BCS: León de la Luz 3997 (HCIB 16265)}
This very rare species occurs in the SLL of BCS and is not reported in Mickel & Smith for this state.
Ecoregions: CPM; Wider distrib.: SON, SIN, c Mexico, Central & South America
BRAUN MAIDENHAIR FERN; HELECHO CILANTRO

Adiantum capillus-veneris L.
Status in CFP: 4.
{BC: Moran 29874 (SD 110093); BCS: Hodgson 8198 (SD 138456)}
This uncommon native species occurs in wet areas the length of the peninsula and on adjacent Cedros Island.
Ecoregions: CSS, CMT, PI (Cedros), LCD, CD, GIG, CPM; Wider distrib.: SON, widespread in Mexico, Central & South America, s USA, sw Canada, Africa, Asia
VENUS’S-HAIR FERN, SOUTHERN MAIDENHAIR FERN; ADIANTO, Capilero

Adiantum concinnum Humb. & Bonpl. ex Willd.
{BCS: Rebman 5750 (SD 143171)}
This rare species occurs in the SLL of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, c & s Mexico, Central & South America
POLISHED MAIDENHAIR FERN; HELECHO CILANTRO

Adiantum jordanii Müll. Hal.
{BC: Moran 30452 (SD 111029); BCS: Epling & Stewart s.n., 11 Apr 1936 (DS)}
This uncommon species occurs in extreme nw BC from Tijuana south to Colonet. This species is cited in Mickel & Smith for BCS, but the localities of these vouchers need to be verified as they would be highly disjunct.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA, OR
CALIFORNIA MAIDENHAIR FERN; HELECHO CILANTRO

Adiantum poirettii Wikstr.
{In Wiggins as Adiantum poirettii Wikstr. (misspelled in Wiggins) [BCS: A. Carter 3556 (SD 68608)]}
This rare native fern occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, Old World
POIRET CLOAK-FERN; HELECHO CILANTRO

Adiantum trapeziforme L.
{BCS: M. Domínguez L. 1743 (HCIB 7655)}
This very rare native fern occurs at higher elevations in the SLL of BCS. There is only one specimen known for this species in our region, and it is not reported for BCS in Mickel & Smith.
Ecoregions: CPM; Wider distrib.: c & s Mexico, Central & South America
DIAMOND MAIDENHAIR FERN; HELECHO CILANTRO

Anogramma leptophylla (L.) Link
{syn = Polypodium leptophyllum L., Acrostichum leptophyllum (L.) Lam. & DC., Gymnogramma leptophylla (L.) Desv., Anogramma guatemalensis (Domin) C. Chr.}
{BCS: Rebman 30867 (SD)}

This very rare fern was discovered in 2015 growing at higher elevations in the Sierra El Tasté of the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: SON, uncommon in Mexico, occurs almost worldwide in temperate and subtropical areas including South America, Europe, Africa, Asia, & Australia
JERSEY FERN, ANNUAL FERN; HELECHO PEREJIL

Argyrochosma incana (C. Presl) Windham
{BCS: Rebman 4722 (SD 142295)}
This very rare native fern is only known in our region from the SGUAD in n BCS and is not reported in Mickel & Smith for this state.
Ecoregions: GIG; Wider distrib.: SON, SIN, widespread in Mexico, Central America, AZ
HAIRY FALSE CLOAK-FERN

Argyrochosma peninsularis (Maxon & Weath.) Windham
{BCS: León de la Luz 4923 (SD 139966)}
This BCS endemic fern occurs from the s SGIG to the Cape region.
Ecoregions: GIG, CPL, CPM
BAJA CALIFORNIA FALSE CLOAK-FERN

Aspidotis californica (Hook.) Copel.
{In Wiggins as Cheilanthes californica (Hook.) Mett.}
Status in CFP: 4.
{BC: Moran 23212 (SD 94847)}
This uncommon species occurs mostly in extreme nw BC from Tijuana south to Colonet & disjunctly to the vicinity of Punta Prieta in c BC which seems to be a bit out of range for this species.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA
CALIFORNIA LACE FERN

Astrolepis cochisensis (Goodding) D.M. Benham & Windham
{In Wiggins as Cheilanthes sinuata (Lag.) Kaulf. var. cohashensis (Goodding) Weath.}
{BC: Moran 8542 (SD 60056)}
This rare native species occurs in the s SSPM & SBOR in BC. According to Mickel & Smith, the taxon in our region is most likely the cytotype cochisensis.
Ecoregions: LCD, CD; Wider distrib.: SON, n Mexico, sw USA
SCALY CLOAK-FERN, JIMMY FERN

Astrolepis sinuata (Lagasca ex Sw.) D.M. Benham & Windham
{In Wiggins as Cheilanthes sinuata (Lag.) Kauff. var. sinuata (Goodding) Weath.}
{BC: Moran 24707 (SD 97914); BCS: Rebman 4488 (SD 141819)}
This uncommon fern occurs throughout much of the peninsula from the s SJ in n BC south to the Cape region of BCS. Some specimens collected in our region and identified as Cheilanthes beitelii (=A. laevis) are mis-IDs of A. sinuata.
Ecoregions: CHA, LCD, CD, GIG, CPM, CPL; Wider distrib.: SON, SIN, widespread in Mexico, sw USA, Central & South America
WAVY CLOAK-FERN, STAR-SCALE CLOAK-FERN

Bommeria hispida (Mett. ex Kuhn) Underwood
{BC: Rebman 25228 (SD 223625); BCS: Rebman 4689 (SD 141942)}
This rare fern occurs from the SLIB in s BC south to the SGUAD in n BCS. Note that Mickel & Smith do not list this species for BC, but it was recently discovered in this state.
Bommeria pedata (Sw.) E. Fourn.  
{BCS: T.S. Brandegee s.n., 14 Sep 1893 (POM 121275)}
This very rare species is only known in our region from a couple of specimens in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, sw USA
GOLDEN LIP FERN, BUENA ABES LIP FERN

Myriopteris clevelandii (D.C. Eaton) Grusz & Windham  
[In Wiggins as Cheilanthes clevelandii D.C. Eaton]  
Status in CFP: 4.  
{BC: Moran 24597 (SD 98048)}
This uncommon fern occurs mostly at lower elevations in extreme nw BC between Tijuana, Tecate, & Ensenada, but is also known from the nw foothills of the SSPM.
Ecoregions: CSS, CHA; Wider distrib.: CA
CLEVELAND LIP FERN

Myriopteris covillei (Maxon) A. Löve & D. Löve  
[In Wiggins as Cheilanthes covillei Maxon]  
{BC: Moran 14204 (SD 79467)}
This rare species occurs at the higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: SON, AZ, NM, TX, UT
FENDLER LIP FERN

Myriopteris fendleri (Hook.) E. Fourn.  
[syn = Cheilanthes fendleri Hook.]  
Status in CFP: 2B.  
{BC: Moran 14204 (SD 79467)}
This rare species occurs at the higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: SON, AZ, NM, TX, UT
FENDLER LIP FERN

Myriopteris lindheimeri (Hook.) J. Sm.  
[In Wiggins as Cheilanthes lindheimeri Hook.]  
{BC: Moran 25640 (SD 100269); BCS: Rebm 4678 (SD 141940)}
This rare species occurs in the SSPM & SLIB of BC and on V3V & SGUAD in n BCS. This species is only reported from BCS in Mickel & Smith.  
Ecoregions: CMT; Wider distrib.: SON, CHH, c Mexico, AZ, NM, TX
FAIRY SWORDS; HIERBA DE LA PEÑA

Myriopteris myriophylla (Sw.) Grusz & Windham  
[syn = Cheilanthes myriophylla Desv.]  
{BCS: Rebm 4678 (SD 141940)}
This rare species occurs in the SGUAD, SGIG, & SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America
DIVIDED LIP FERN; FLOR DE LA PEDRA, COLA DE ZORRA

Myriopteris newberryi (D.C. Eaton) Grusz & Windham  
[In Wiggins as Notholaena newberryi D.C. Eaton; syn = Cheilanthes newberryi (D.C. Eaton) Dom]  
{BC: Moran 3692 (SD 46931)}
This uncommon species occurs at lower elevations in extreme nw BC from Tecate south to Colonel and on Guadalupe Island.  
Ecoregions: CSS, CSU, PI (Guadalupe); Wider distrib.: CA
NEWBERRY LIP FERN, CALIFORNIA COTTON FERN

Cheilanthes brandegeei D.C. Eaton  
LC endemic. Status in CFP: 2B.  
{BC: Wiggins 176 (SD 94584); BCS: Moran 18934 (SD 106198)}
This uncommon fern is endemic to our region and ranges from near San Quintín in nw BC south to the s SGIG in BCS. It also occurs on the Pacific islands of Cedros & Santa Margarita & on Ángel de la Guarda Island in the Gulf. According to Mickel & Smith, molecular studies show that this species may actually belong in the genus Bommeria.
Ecoregions: CSU, PI, CD, VD, GIG, MAG
BRANDEGEE LIP FERN

Cheilanthes lozanoi (Maxon) R.M. Tryon & A.F. Tryon var. see-mannii (Hook.) Mickel & Beitel  
{BC: T.R. Pray 1780 (RSA 686217)}
This very rare species occurs in the SLL of BCS and is only known from a couple of specimens in our region.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, c Mexico
SEEMAN LIP FERN

Cheilanthes skinneri (Hook.) R.M. Tryon & A.F. Tryon  
[syn = Cheilanthes skinneri (Hook.) R.M. Tryon & A.F. Tryon]  
{BC: T.R. Pray 1762 (RSA 686265)}
This very rare species occurs at higher elevation in the Sierra de la Victoria of the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, c & s Mexico, Central & South America
SKINNER LIP FERN

Li, Fay-Wei, Kathleen M. Pryer, and Michael D. Windham. 2012.  

Gaga hirsuta (Link) Fay-Wei Li & Windham  
[In Wiggins as Cheilanthes pyramidalis Fee; syn = Cheilanthes hirsuta Link]  
{BCS: Rebm 5804 (SD 145424)}
This very rare species occurs at higher elevations in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America
PYRAMID LIP FERN

Myriopteris aurea (Poir.) Grusz & Windham  
[In Wiggins as Notholaena aurea (Poir.) Desv.; syn = Notholaena bonariensis (Willd.) C. Chr., Cheilanthes bonariensis (Willd.) Proctor]  
{BC: Rebm 25194 (SD 223626); BCS: Rebm 4699 (SD 141941)}
This rare species occurs in the SLIB of s BC and in the V3V, SGUAD, SGIG, & SLL of BCS. Note that Mickel & Smith do not list this species for BC, but it was recently discovered in that state.
Ecoregions: CD, GIG, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, sw USA
GOLDEN LIP FERN, BUENA ABES LIP FERN

Myriopteris pyramidalis Fee  
[In Wiggins as Notholaena pyramidalis Fee]  
{BCS: Rebm 4678 (SD 141940)}
This rare species occurs in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America
PYRAMID LIP FERN
Myriopteris parryi (D.C. Eaton) Grusz & Windham
[In Wiggins as Notholaena parryi D.C. Eaton; syn = Cheilanthes parryi (D.C. Eaton) Domín]  
{BC: Hodgson 8685 (SD 145244)}
This rare species occurs along the lower eastern slopes of the SJ & SSPM in n BC and in the SASAM in c BC. Specimens identified as this for BCS are likely mis-IDs of M. yavapensis.
Ecoregions: LCD, CD; Wider distrib.: SON, CHH, sw USA
Wooton Lip Fern, PARRY LIP FERN

Myriopteris peninsularis (Maxon) Grusz & Windham var. insularis (Weath.) Grusz & Windham  
[syn = Cheilanthes peninsularis Maxon var. insularis Weath.]  
{BCS: Rebman 7655 (SD 158036)}
This very rare variety occurs in the s SGIG of BCS. Specimens from the s SGIG have rachilla scales closer to this variety than to var. peninsularis.
Ecoregions: GIG; Wider distrib.: Sonoran (Islas Revillagigedos, COL) ISLAND LIP FERN

Myriopteris pringlei (Davenp.) Grusz & Windham var. pringlei  
[In Wiggins as Cheilanthes pringlei Davenp.]  
{BCS: Moran 18806 (SD 94438)}
This very rare species is only known in our region from the SGUAD of n BCS.
Ecoregions: GIG; Wider distrib.: SON, CHH, AZ prINGLE LIP FERN

Myriopteris rufa Fée  
[syn = Cheilanthes eatonii Baker in Hook. & Baker, Cheilanthes castanea Maxon]  
{BC: Rebman 25174 (SD 223627); BCS: Henrickson 8988 (SD 115880)}
This very rare species occurs in the SLIB of s BC and on V3V of n BCS. Note that Mickel & Smith do not list this species for BC, but it was recently discovered in this state.
Ecoregions: CD; Wider distrib.: SON, n & c Mexico, Central America, s USA eatsON LIP FERN

Myriopteris viscida (Davenp.) Grusz & Windham  
[In Wiggins as Cheilanthes viscida Davenp.]  
{BC: Wiggins 13044 (RSA 97807)}
This species is very rare in extreme n BC and occurs just south of the USA/Mexico border along the eastern base of the SJ. Specimens identified as this species from BCS are probable mis-IDs; possibly of M. peninsularis.
Ecoregions: LCD; Wider distrib.: CA VisCID LIP FERN

Myriopteris wootonii (Maxon) Grusz & Windham  
[syn = Cheilanthes wootonii Maxon]  
Status in CFP: 2B; Listed: CNPS 2.3.  
{BC: Moran 19171 (SD 83000); BCS: Moran 20448 (SD 87157)}
This rare species occurs mostly in the upper foothills and mountains of the SSPM in nw BC, but has also been documented from V3V in n BCS. Myriopteris yavapensis is commonly misidentified as this species in BCS.
Ecoregions: CHA, CMT, CD; Wider distrib.: SON, CHH, sw USA
Wooton Lip Fern

Myriopteris wrightii (Hook.) Grusz & Windham  
[In Wiggins as Cheilanthes wrightii Hook.]  
{BC: Rebman 18708 (SD 200242); BCS: Rebman 4622 (SD 141939)}
This rare fern occurs in the SLIB of s BC and in the V3V, SSF, SGUAD, & SGIG of BCS. This species was only reported for BCS in Mickel & Smith, but it was recently discovered in BC.
Ecoregions: CD, GIG; Wider distrib.: SON, n Mexico, AZ, NM, TX Wright Lip Fern

Notholaena californica D.C. Eaton subsp. californica  
{BC: Hodgson 8748 (SD 145254); BCS: Rebman 7671 (SD 158035)}
This uncommon subspecies ranges from near Ensenada in nw BC south to the s SGIG in BCS. It also occurs on the Pacific islands of Cedros & Guadalupe and on various Gulf islands. This subspecies differs from subsp. leucophylla in having yellow rather than white farina on the blade.
Ecoregions: CSS, CHA, PI (Cedros, Guadalupe), LCD, CD, VD, GCD, GIG; Wider distrib.: AZ, NM, TX yAvaPAI LIP FERN

Notholaena californica D.C. Eaton subsp. leucophylla Windham  
Status in CFP: 2B.  
{BC: E. Huey s.n., 9 Mar 1958 (SD 142859); BCS: Rebman 3609 (SD 141092)}
This uncommon subspecies ranges from near Ensenada in nw BC south to the northern Cape region in BCS. It also occurs on the Pacific islands of Cedros & Santa Margarita and on a few Gulf islands. This subspecies differs from subsp. californica in having white rather than yellow farina on the blade.
Ecoregions: CSS, CHA, PI (Cedros), CD, VD, GCD, MAG, CPL; Wider distrib.: SON, CA White-Blade California Cloak Fern

Notholaena candida (M. Martens & Galeotti) Hook.  
[In Wiggins as Notholaena candida var. candida; syn = Cheilanthes candida M. Martens & Galeotti var. candida]  
{BCS: Moran 7092 (SD 145254)}
This rare fern occurs in the SLIB of s BC and in the V3V of n BCS. This species was only reported for BCS in Mickel & Smith, but it was recently discovered in BC.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, n & c Mexico, Central America White Cloak Fern, Pygmy Fern

Notholaena lemmontii D.C. Eaton var. lemmontii  
[syn = Cheilanthes lemmontii (D. C. Eaton) Domín]
Notholaena standleyei Maxon
{BC: C.F. Harrison s.n., 5 Apr 1947 (SD 41842); BCS: Rebm 4546 (SD 141813)}
This rare fern occurs from the SLIB in s BC south to the c SGIG in n BCS. It also occurs on Ángel de la Guarda Island in the Gulf. Ecoregions: CD, GCD, GIG, CPL; wider distrib.: SON, CHH, JAL, AZ

LEM MON CLOAK FERN; HELECHO DE LAS PIÉDRAS

Pellaea andromedifolia (Kaulf.) Fée var. andromedifolia
[In Wiggins as Pellaea andromedaefolia (Kaulf.) Fée]
{BC: Moran 20531 (SD 111191)}
This uncommon variety occurs most often in the foothills of nw BC from near Ensenada south to the SSSP and rarely at a few places in the CD region. This variety is not very common in BC, but is the most common variety in CA. Ecoregions: CSS, CHA, CD; wider distrib.: CA, OR

COFFEE FERN

Pellaea andromedifolia (Kaulf.) Fée var. pubescens D.C. Eaton
{BC: Moran 26587 (SD 101536)}
This uncommon variety occurs along the immediate Pacific coast from Tijuana south to El Rosario and on Cedros & Los Coronados islands. This variety is not recognized by Mickel & Smith, but it differs in having hairs present on the blades, a less-divided blade, and a more coastal distribution.
Ecoregions: CSS, CHA, CD; wider distrib.: CA, OR

COFFEE FERN

Pellaea mucronata (D.C. Eaton) D.C. Eaton subsp. mucronata
{BC: Moran 14613 (SD 68162)}
This native fern occurs mostly in the foothills & mountains of the SJ & SSPM in nw BC, but also occurs disjunctly to the SASAM in BC. Infraspecies are not recognized in Mickel & Smith, but subspecies californica seems to be quite morphologically different and has a separate distribution in CA as well.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; wider distrib.: SON, CA, NV

BIRD’S FOOT CLIFF-BRAKE; CLAGUAL, CALAWALA

Pellaea ovata (Desv.) Weath.
{BCS: León de la Luz 3415 (UC 1577802)}
This very rare fern occurs in the Cape region of BCS.
Ecoregions: CPL, CPM; wider distrib.: SON, SIN, widespread in Mexico, Central & South America, TX

Ovate-Leaf CLIFF-BRAKE

Pellaea ternifolia (Cav.) Link subsp. brandegeei (C.C. Hall) Mickel
{BC: Rebm 5780 (SD 143169)}
This rare subspecies occurs in the extreme s SGIG and in the Cape region of BCS. Note that specimens from BCS identified as P. intermedia are most likely young plants of this subspecies.
Ecoregions: GIG, CPM; wider distrib.: HI

BRANDEGEE CLIFF-BRAKE; HELECHO PEYOTE

Pellaea ternifolia (Cav.) Link subsp. ternifolia
[In Wiggins as P. ternifolia var. ternifolia]
{BC: Montgomery 83-30 (NY)}
This subspecies differs from subspecies brandegeei in having sessile rather than stalked pinnae. A voucher for BC without specific locality is cited in Mickel & Smith, but was not seen.
Ecoregions: unknown; wider distrib.: SON, widespread in Mexico, Central & South America, AZ, HI, TX

TERNATE CLIFF-BRAKE; HELECHO PEYOTE

Pellaea truncata Goodd.
[In Wiggins as Pellaea longimucronata Hook, misappl. Note this illeg. name is considered to be synonymized with P. mucronata by some authors.]
{BC: Moran 7996 (SD 60726); BCS: Rebm 4365 (SD 141811)}
This rare species occurs in the SBOR & SLIB of s BC and in the SSF & V3V in n BCS.
Ecoregions: CD, GCD; wider distrib.: SON, CHH, COA, sw USA

SPINY CLIFF-BRAKE

Pellaea wrightiana Hook.
[In Wiggins as Pellaea ternifolia (Cav.) Link var. wrightiana (Hook.) A.F. Tryon]
Status in CFP: 2B.
{BC: Moran 24479 (SD 97730); BCS: Moran 23875 (SD 95936)}
This rare species occurs in the SSPM & SLIB of BC and in the SSF & V3V of n BCS.
Ecoregions: CMT, CD; wider distrib.: SON, CHH, COA, sw USA

WRIGHT CLIFF-BRAKE


Pentagramma glandulovisidica Schuett. & Windham
{BC: Moran 28490 (SD 105921)}
This recently described species occurs in nw BC from Tecate south to El Rosario. It also occurs in southwestern San Diego County.
Ecoregions: CSS, CHA, CSU; wider distrib.: CA (San Diego County)

SAN DIEGO SILVERBACK FERN

Pentagramma maxonii (Weath.) Schuett. & Windham
[In Wiggins as Pentagramma triangularis (Kaulf.) Maxon var. maxonii Weath. syn = Pentagramma triangularis (Kaulf.) Yatsk., Windham & E. Wollenw. subsp. maxonii (Weath.) Yatsk., Windham & E. Wollenw.]
{BC: Rebm 17278 (SD 196989); BCS: Moran 18759 (SD 80305)}
This desert species occurs in the SLIB of s BC and in the SSF, V3V, and SLL of BCS and on various Gulf islands. Specimens from nw BC previously recognized as this taxon are now P. glandulovisidica.
Ecoregions: GCD, CPM, CPL; wider distrib.: SON, AZ, CA, NM

MAXON SILVERBACK FERN; HELECHO PEYOTE, FLORE DE PEDRA

Pentagramma rebnani (Winner & M.G. Simpson) Schuett. & Windham
{syn = Pentagramma triangularis (Kaulf.) Yatsk., Windham & E. Wollenw. subsp. rebnani Winner & M.G. Simpson}
Status in CFP: 2A.
{BC: Moran 17577 (SD 75789)}
This very rare species occurs in the foothills of the SJ & SSPM in nw BC and in south-central San Diego County. The Jepson 2 treatment synonymized this taxon under subsp. triangularis, but recent molecular data considers it a distinct species.

Ecoregions: CSS, CHA; Wider distrib.: San Diego County in CA

**Rebman Silverback Fern**

*Pentagramma triangularis* (Kauf.) G. Yatskievych, M.D. Windham & E. Wollenweber

[In Wiggins as *Pityrogramma triangularis* (Kauf.) Maxon var. triangularis; syn = *Pentagramma triangularis* subsp. triangularis, *Pentagramma triangularis* subsp. semipallida (J.T. Howell) Yatsk., Windham & E. Wollenw.]

{BC: Moran 27284 (SD 102444); BCS: León de la Luz 9619 (MO 5188832))}

This species occurs mostly in nw BC from Tecate south to the lower western side of the SSPM and on Los Coronados & Cedros islands. Specimens from the SLL of BCS need to be verified. Specimens from the western side of the SSPM and on Los Coronados & Cedros islands. This species occurs mostly in nw BC from Tecate south to the lower western side of the SSPM and on Los Coronados & Cedros islands. Specimens from the SLL of BCS need to be verified. Specimens from the western side of the SSPM and on Los Coronados & Cedros islands. This species occurs mostly in nw BC from Tecate south to the lower western side of the SSPM and on Los Coronados & Cedros islands. Specimens from the SLL of BCS need to be verified. Specimens from the western side of the SSPM and on Los Coronados & Cedros islands.

Ecoregions: CSS, CHA; Wider distrib.: San Diego County in CA

**Silverback Fern**

*Pentagramma viscosa* (D.C. Eaton) Schuettg. & Windham

{BC: D.A. Johanson 573 (DS 206504)}

This very rare species occurs in the foothills of the SJ & SSPM in nw BC and in south-central San Diego County. The Jepson 2 treatment synonymized this taxon under subsp. triangularis, but recent molecular data considers it a distinct species.

Ecoregions: CSS, CHA; Wider distrib.: San Diego County in CA

**Silverback Fern**

*Pityrogramma trifoliata* (L.) R.M. Tryon

{BC: D.A. Johanson 573 (DS 206504)}

This very rare species occurs in the Cape region of BCS and is only known from a couple of specimens in our region.

Ecoregions: CPL; Wider distrib.: s Mexico, Central & South America, FL

**Salvinia**

*Salvinia molesta* D.S. Mitchell

{BC: Felger 06-5 (SD 191699)}

This rare non-native species occurs in the Colorado River area of extreme ne BC.

Ecoregions: LCD; Wider distrib.: Native to South America, but introduced in SON and naturalized in many places worldwide

**Salvinia**

**Thelypteris**

*Thelypteris augescens* (Link) Munz & I.M. Johnst.

{BC: A. Carter 3399 (SD 68610)}

This very rare species occurs in the SLL of BCS and is not reported for our region in Mickel & Smith, but this voucher specimen is verified by R. Tryon.

Ecoregions: CPM; Wider distrib.: s Mexico, Central America, FL, some Caribbean Islands

**Abrupt-tip Maiden Fern**

*Thelypteris pilosa* (M. Martens & Galeotti) Crawford

{BCS: T.S. Brandegee s.n. (UC)}

This very rare species is only known from one historical specimen in BCS without specific locality which was not seen, but is cited in Mickel & Smith p. 667.

Ecoregions: unknown; Wider distrib.: SON, CHH, c & s Mexico, Central America

**Showy Maiden Fern; Hierba del Golpe, Helecho**

*Thelypteris puberula* (Baker) C.V. Morton var. *puberula*

{BCS: A. Carter 5491 (SD 100415)}

This very rare variety is only known in our region from one historical specimen collected in the Cape region of BCS and verified by A.R. Smith in 1987.

Ecoregions: CPM; Wider distrib.: SIN, c & s Mexico, Central America

**Showy Maiden Fern; Hierba del Golpe, Helecho**

*Thelypteris rudis* (Kunze) Proctor

{BCS: A. Carter 4118 (SD 190119)}

This very rare species occurs in the SLL of BCS.

Ecoregions: CPL; Wider distrib.: s Mexico, Central & South America

**Red Maiden Fern; Hierba del Golpe, Helecho**

**Woodsia**

*Woodsia cochisensis* Windham

{BCS: Rebman 4364 (SD 141809)}

This rare species occurs in the Cape region of BCS.

Ecoregions: CD, CPL; Wider distrib.: SON, SIN, CHH, c Mexico, AZ

**Cochise Maiden Fern**

*Woodsia mexicana* Fee

{BCS: León de la Luz 9667 (HCIB 24142)}

This very rare species occurs in the SLL of BCS. This species is not listed in Mickel & Smith for our region, but this voucher was verified by G. Yatskievich. Note specimens of this species and W. mollis need more taxonomic study.

Ecoregions: CPM; Wider distrib.: SON, SIN, CHH, c Mexico, AZ

**Mexican Clifff Fern**

*Woodsia mollis* (Kauf.) J. Sm.

{BCS: M. Domínguez L. 4118 (SD 189119)}

This very rare species occurs in the SLL of BCS.

Ecoregions: CPL; Wider distrib.: SON, SIN, CHH, c Mexico, Central & South America

**Red Maiden Fern; Hierba del Golpe, Helecho**

**Woodsia**

*Woodsia cochisensis* Windham

{BCS: Rebman 4364 (SD 141809)}

This rare species occurs in the Cape region of BCS.

Ecoregions: CD, CPL; Wider distrib.: SON, SIN, CHH, c Mexico, AZ

**Cochise Maiden Fern**

*Woodsia mexicana* Fee

{BCS: León de la Luz 9667 (HCIB 24142)}

This very rare species occurs in the SLL of BCS. This species is not listed in Mickel & Smith for our region, but this voucher was verified by G. Yatskievich. Note specimens of this species and W. mollis need more taxonomic study.

Ecoregions: CPM; Wider distrib.: SON, SIN, CHH, c Mexico, AZ

**Mexican Clifff Fern**
Woodsia phillipsii Windham
{BC: Rebman 3267 (SD 139747); BCS: León 665 (ENCBP)}
This rare species occurs mostly at higher elevations in the SSPM of n BC, but a BCS voucher is cited in Mickel & Smith p. 691, and was not seen.
Ecoregions: CMT; Wider distrib.: SON, n & c Mexico, AZ, NM, TX

PHILLIPS CLIFF FERN

Woodsia plummerae Lemmon
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Orcutt 306 (SD 9970); BCS: Moran 20432 (SD 87160)}
This rare species occurs in the SSPM & SLIB of BC and in the V3V of n BC.
Ecoregions: CMT, CD; Wider distrib.: SON, CHH, JAL, sw USA

PLUMMER CLIFF FERN

Seed Plants
Conifers
Cupressaceae


Calocedrus decurrens (Torr.) Florin
[In Wiggins as Libocedrus decurrens Torr.]
Status in CFP: 4; Listed: NOM A.
{BC: Moran 29451 (SD 106451)}
This uncommon tree occurs at higher elevations in the SJ & SSPM of n BC.
Ecoregions: CHA, CMT; Wider distrib.: CA, OR, NV
CALIFORNIA INCENSE CEDAR; CEDRO INCIENSO, CEDRO


Hesperocyparis forbesii (Jeps.) Bartel
[In Wiggins as Cupressus forbesii Jeps.; syn = Cupressus guadalupensis S. Watson var. forbesii (Jeps.) Little, Callitropsis forbesii (Jeps.) D. P. Little]
Status in CFP: 4; Listed: NOM P., CNPS 1B.1.
{BC: Moran 13975 (SD 64770)}
This rare, near-endemic tree commonly occurs on gabbro or metavolcanic substrates at lower elevations in nw BC from Tecate south to near San Quintin.
Ecoregions: CSS, CHA, CSU; Wider distrib.: s CA
TECATE CYPRESS; CEDRO, CIPRÉS

Hesperocyparis guadalupensis (S. Watson) Bartel
[In Wiggins as Cupressus guadalupensis S. Watson; syn = Callitropsis guadalupensis (S. Watson) D. P. Little]
BC endemic. Status in CFP: 1B, 5; Listed: NOM P.
{BC: Moran 14363 (SD 79488)}
This rare BC endemic tree occurs at higher elevations in the SSPM of n BC.
Ecoregions: CHA, CMT; SAN PEDRO MARTIR CYPRESS; CEDRO DE LA SIERRA, CIPRÉS DE SAN PEDRO MARTIR

Hesperocyparis montana (Wiggins) Bartel
[In Wiggins as Cupressus montana Wigg.; syn = Callitropsis montana (Wiggins) D. P. Little]
BC endemic. Status in CFP: 1B, 5; Listed: NOM Pr.
{BC: Moran 14363 (SD 79488)}
This rare BC endemic tree occurs at higher elevations in the SSPM of n BC.
Ecoregions: CHA, CMT; SANTA FE ISLAND CYPRESS; CEDRO DE LA SIERRA, CIPRÉS DE SAN PEDRO MARTIR

Hesperocyparis revealiana (Silba) Silba
[In Wiggins as Cupressus arizonica Greene var. stephensoni (C. B. Walt) Little misappl.; syn = Cupressus arizonica Greene var. revealiana Silba, Cupressus arizonica Greene subsp. revealiana (Silba)Silba] 
BC endemic.
{BC: Moran 21155 (SD 84709)}
This very rare BC endemic is restricted to the southern part of the SJ and is closely related to H. stephensoni & H. montana.
Ecoregions: CHA
SIERRA JUAREZ CYPRESS; CEDRO, CIPRÉS

Juniperus californica Carrière
[syn = Juniperus cedrosiana Kellogg]
Listed: NOM Pr.
{BC: Moran 12062 (SD 59979)}
This native shrubby tree occurs mostly in nw BC from the n SJ south to the s SSPM and ranges south on sky islands as far as the SBOR in s BC. It also occurs on Cedros & Guadalupe islands.
Ecoregions: CSS, CHA, CMT, CSU, PI (Cedros, Guadalupe), LCD, CD; Wider distrib.: AZ, CA, NV
CALIFORNIA JUNIPER; TASCATE, TASCALÉ, HUATA, CEDRO, ENEBRO, HUA-TAL CALIFORNIANA

Pinaceae

Abies concolor (Gordon) Lindl. ex Hildebr.
[syn = A. concolor var. baja-californica Silba, A. concolor subsp. baja-californica (Silba) Silba]
Status in CFP: 2B; Listed: NOM Pr.
{BC: Moran 14281 (SD 79490)}
This rare native tree occurs at higher elevations in the SSPM of n BC. The plants from our region have been separated into variety baja-californica by some authors based upon their geographic isolation and thicker leaves but more study is needed.
Ecoregions: CMT; Wider distrib.: SON, CA, CO, ID, OR
WHITE FIR; PINO BLANCO, ABETE, PINARETE, ABETO

Pinus attenuata Lemmon
Status in CFP: 2A; Listed: NOM P.
{BC: Moran 14855 (SD 67352)}
This rare, disjunct species is known in our region only from an area just northeast of Ensenada in nw BC.
Ecoregions: CSS, CHA; Wider distrib.: CA, OR
KNORCONE PINE; PINO, ATENUATA

Pinus contorta Douglas ex Loudon subsp. murrayana (Grev. & Balf.) Critchf.
[In Wiggins as Pinus murrayana Grev. & Balf.]
Status in CFP: 2A; Listed: NOM Pr.
{BC: Rebman 4180 (SD 143079)}
This rare native tree occurs at higher elevations in the SSPM of n BC.
Ecoregions: CHA, CMT; Wider distrib.: CA, NV, OR, WA
SIERRA LODGEPOLE PINE; PINO, PINO DE VALLETITOS
**Pinus cembroides** D. Don  
Status in CFP: 2A; Listed: NOM P.  
(BC: Moran 8441 (SD 50909))  
*This rare native tree occurs in our region in the SJ & rarely in the SSPM and near Guadalupe Valley in nw BC.*  
Ecoregions: CHA, CMT; Wider distrib.: CA  
COULTER PINE; PINO, PINO DE CONO GRANDE

**Pinus jeffreyi** Grev. & Balf.  
[syn = Pinus ponderosa Laws. subsp. jeffreyi (Grev. & Balf.) E. Murr.]  
Listed: NOM Pr.  
(BC: Moran 14483 (SD 79493))  
*This tree occurs at higher elevations in the SJ & SSPM of n BC.*  
Ecoregions: CHA, CMT; Wider distrib.: CA, NV, OR  
JEFFREY PINE, YELLOW PINE; PINO PONDEROSA, PINO NEGRO

**Pinus laguanae** Rob.-Pass.  
[In Wiggins as Pinus cembroides Zucc.; syn = Pinus cembroides Zucc. var. laguanae Rob.-Pass., P. cembroides subsp. laguanae (Rob.-Pass.) D.K. Bailey]  
BCS endemic. Listed: NOM Pr.  
(BCS: R. Díazguez Z. 1396 (SD 139965))  
*This rare BCS endemic tree occurs at higher elevations in the SLL of BCS.*  
Ecoregions: CPM  
LA LAGUNA PINYON; PINO PIÑONERO

**Pinus lambertiana** Douglas  
[syn = Pinus lambertiana var. martirensis Silba]  
Status in CFP: 2A.  
(BC: Moran 11278 (SD 54421))  
*This rare native tree occurs at higher elevations in our region in the SSPM of n BC.*  
Ecoregions: CHA, CMT; Wider distrib.: CA, OR  
SUGAR PINE; PINO DE AZÚCAR, PINO, PINO DE CONO LARGO

**Pinus monophylla** Torr. & Frém.  
Listed: NOM Pr.  
(BC: Moran 14423 (SD 79446))  
*This native tree occurs in n BC from near Tecate & the n SJ south to the s SSPM. It also occurs in the SASSM of c BC.*  
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: AZ, CA, ID, NV, UT  
SINGLE-LEAF PINYON PINE; PIÑÓN, PINO PIÑONERO, OCOTE

**Pinus muricata** D. Don  
[In Wiggins as Pinus muricata Mason]  
Status in CFP: 2A; Listed: NOM P.  
(BC: Moran 27871 (SD 103276))  
*This very rare native tree is only known in our region from a disjunct population in the vicinity of Eréndira in nw BC. Plants from BC can key to both forma remorata and forma muricata.*  
Ecoregions: CSS, CSU; Wider distrib.: CA  
BISHOP PINE; PINO DE ERÉNDIRA

**Pinus quadrifolia** Parl. ex Sudw.  
[syn = Pinus juarezensis Lanner, Pinus parryana Engelm.]  
Listed: NOM Pr.  
(BC: Moran 16538 (SD 71557))  
*This native tree occurs mostly in the upper foothills & mountains of the SJ & SSPM of nw BC. Some populations with fewer than 4 needles per fascicle have been described in the northern SJ as separate species, but more taxonomic study is needed.*  
Ecoregions: CSS, CHA, CMT; Wider distrib.: s CA  
PARKY PINYON PINE, FOUR-LEAF PINYON; PIÑÓN, PINO PIÑONERO

**Pinus radiata** D. Don var. *binata* (Engelm.) Lemmon  
BC endemic. Status in CFP: 1B, 5.  
(BC: Moran 6432 (SD 60752))  
*This BC endemic variety is restricted to Guadalupe Island although some authors lump this taxon and do not recognize infraspecies.*  
Ecoregions: PI (Guadalupe)  
GUADALUPE ISLAND PINE; PINO, PINO DE GUADALUPE

**Pinus radiata** D. Don var. *cedrosensis* (J.T. Howell) Silba  
[syn = Pinus muricata D. Don var. cedrosensis J.T. Howell, Pinus remorata misappl.]  
BC endemic. Status in CFP: 1B, 5.  
(BC: Moran 18434 (SD 78001))  
*This BC endemic variety is restricted to Cedros Island although some authors lump this taxon and do not recognize infraspecies.*  
Ecoregions: PI (Cedros)  
CEDROS ISLAND PINE; PINO, PINO DE CEDROS

**Gnetales**

**Ephedraceae**

**Ephedra aspera** S. Watson  
[syn = Ephedra peninsularis I.M. Johnst.]  
(BC: Rebman 1627 (SD 137355); BCS: Moran 19709 (SD 92880))  
*This native species occurs commonly in the desert regions of BC from ne BC south to the BC/BCS border and on Cedros Island in the Pacific. It also occurs more rarely in BCS in the SCLR, near Mulegé, on Magdalena & Santa Margarita islands in the Pacific & rarely on a few Gulf islands.*  
Ecoregions: PI (Cedros), LCD, CD, UD, MAG; Wider distrib.: SON, ne Mexico, sw USA  
BOUNDARY EPHEDRA, MORMON-TEA; CAÑATILLO, TÉ MORMÓN, CANUTILLO

**Ephedra californica** S. Watson  
Status in CFP: 2B.  
(BC: Moran 30805 (SD 111289))  
*This native species occurs mostly in nw BC in the California Floristic Province areas with some populations extending south into the CD as far as the SLB of s BC.*  
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distr.: AZ, CA  
CALIFORNIA EPHEDRA, MORMON-TEA, DESERT-TEA; CAÑATILLO, TÉ MORMÓN, CANUTILLO

**Ephedra nevadensis** S. Watson  
(BC: Moran 30847 (SD 111250))  
*This native species is very rare in our region and occurs at the eastern edge of the CMT in the desert transition areas of the SJ of n BC.*  
Ecoregions: CMT, Wider distr.: AZ, CA, NV, OR, UT  
NEVADA EPHEDRA; CAÑATILLO, CANUTILLO

**Ephedra trifurca** Torr. ex S. Watson  
(BC: H.S. Gentry 8737 (SD 86492))  
*This native species is rare in our region and occurs in sandy, dune habitats in ne BC.*  
Ecoregions: LCD; Wider distr.: SON, n Mexico, sw USA  
THREE-FORK EPHEDRA, MEXICAN-TEA; CAÑATILLO, CANUTILLO
**Angiosperms: Magnoliids-Piperales**

**Aristolochiaceae**


*Aristolochia brevipes* Benth.

\{BCS: León de la Luz 2239 (HCIB 897)\}

This species is only known in our region from one specimen that needs to be verified since this species occurs mostly in central Mexico.

Ecoregions: CPL; Wider distrib.: SIN, c Mexico

**Snakeroot, Southwestern Dutchman’s Pipe; Hierba del Indio, Guaco**

*Aristolochia monticola* Brandegee

BCS endemic.

\{BCS: León de la Luz 2239 (SD 139941)\}

This BCS endemic species occurs mostly in the Cape region, but has also been documented rarely along the lower eastern slopes of the SGIG near the Gulf.

Ecoregions: GCD, CPL, CPM

**Cape Dutchman’s Pipe; Hierba del Indio, yerba de los indios**

*Aristolochia peninsularis* Brandegee

BCS endemic.

\{BCS: Rebman 27389 (SD 235500)\}

This BCS endemic species is only known from a couple of specimens and occurs on beaches in the Cape region. This species was previously lumped into *A. monticola*, but it differs in various ways including its preference for the low elevation beach habitats.

Ecoregions: CPL

**Peninsular Dutchman’s Pipe; Hierba del Indio**

*Aristolochia aff. pentandra* Jacq.

\{BC: R. Domínguez C. 2365 (SD 148696)\}

This species occurs mostly in the Caribbean region so the voucher from the se Cape region of BCS needs to be verified.

Ecoregions: CPL

**Hierba del Indio**

*Aristolochia quercetorum* Standl.

\{BC: Rebman 9702 (SD 153066)\}

This native species is only known to occur in our region in the s SGIG of BCS.

Ecoregions: GIG; Wider distrib.: SON, CHH

**Sierra Madre PipeVine; Hierba del Manso, yerba Mansa**

*Aristolochia watsonii* Wooten & Standley


[In Wiggins as Aristolochia porphyrophylla H. Pfeifer]

\{BC: C.F. Harbison s.n., 27 Apr 1940 (SD 27262); BCS: Moran 23901 (SD 95373)\}

This is the most common species in this genus in our region, occurring from extreme s BC south to the Cape region of BCS.

Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, AZ, NM

**Southwestern Pipevine, Watson Dutchman’s Pipe, Indian Root; Hierba del Indio, Zapitito**

**Piperaceae**


*Peperomia gracillima* S. Watson

[syn = *Peperomia campylotropa* A.W. Hill, *Peperomia umbilicata Ruiz & Pav.*]

\{BCS: Rebman 5808 (SD 145363)\}

This rare native species occurs at the higher elevations of the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, MIC, MEX, SLP

**Peperomia; Pimienta de Tierra**

**Saururaceae**

*Anemopsis californica* (Nutt.) Hook. & Arn.

\{BC: Moran 27799 (SD 103257); BCS: Rebman 4718 (SD 142207)\}

This native species occurs in wet areas and is quite widespread in our region ranging from Tijuana in nw BC south to the Cape region of BCS although some populations may have been transplanted by people.

Ecoregions: CSS, CHA, CMT, CSU, CD, GCD, VD, GIG, MAG, CPL; Wider distrib.: SON, SIN, CHH, sw USA

**yerba Mansa; Hierba del Manso, yerba Mansa**

**Angiosperms: Ceratophyllales**

**Ceratophyllaceae**

*Coontail Hornwort*

Avicennia germinans (L.) L.  
Listed: NOM A.  
{BC: Moran 12625 (SD 65143); BCS: Moran 7151 (SD 50497)} This native mangrove occurs rarely in extreme SE BC at Bahía San Franciscoquito & along the Gulf coast of BCS from Santa Rosalía south to La Paz. It also occurs along the Pacific coast of BCS throughout the Bahía de Magdalena region. Note this genus was previously recognized in both the Avicenniaceae & Verbenaceae.

Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, AZ, NM, TX  
PURPLE SCALYSTEM; CORDONCILLO, CORDÓN DE SAN JUAN

Henrya insularis Nees ex Benth.  
{BC: M. Domínguez 251 (SD 139946)} In our region this rare native species occurs in the SGUAD and the Cape region of BCS, but is apparently absent from the SGIG.

Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America, AZ

ISLAND RENEGADE

Elytraria imbricata (Vahl) Pers.  
{syn = Elytraria squamosa (Jacq.) Lindau, Justicia imbricata Vahl}  
{BCS: Rebman 4630 (SD 141926)} This native species is relatively common throughout much of BCS and ranges from the SGUAD south to the Cape region.

Ecoregions: VF, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, AZ, NM, TX

Purple Scalystem; Cordoncillo, Cordón de San Juan

Dicliptera resupinata (Vahl) Juss.  
{In Wiggins as Dicliptera formosa Brandegee}  
{BC: Rebman 17233 (SD 194544); BCS: Rebman 4579 (SD 141766)} This native species occurs from the SLIB in s BC south to the Cape region of BCS. This plants of the e SLL that are strongly pubescent, long-flowered, and have larger bracteoles have been named as D. resupinata, but Daniel (1997) did not consider these characters sufficient for recognition as a distinct taxon.

Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, Central America, SW USA  
Arizona Foldwing; Huachichila, Alfaflilla

Lythrum salicaria (L.) L.  
{In Wiggins as Beloperone auriculata Benth.}  
{BC: C.F. Harbison s.n., 27 Apr 1940 (SD 27266); BCS: Moran 18945 (SD 120840)} This taxon is endemic to our region and occurs in extreme s BC south to the northern Cape region of BCS.

Ecoregions: CD, GCV, GIG, MAG, CPL, PALMER DEVILBUSH; RAMA BLANCA
This highly variable native species is widespread and occurs throughout most of the peninsula and on Magdalena & Santa Margarita islands in the Pacific and many adjacent Gulf islands.

Justicia candicans (Nees) L. Benson
[syn = Justicia mexicana Rose, Jacobinia candicans (Nees) Benth. & Hook. f., Jacobinia ovata A. Gray]

{BC: Moran 18787 (SD 94418)}
This rare native species is only known to occur in our region in the SGuAD of n BCS.

Ecoregions: CSS, CSU, LCD, CD, LD, GCD, GIG, MAG, CPL
Wider distrib.: SON, SIN, AZ, CA

HUMMINGBIRD BUSH, CHUPARROSA, BELOPERONE; CHUPARROSA, RAMA BLANCA, RAMA CENIZA

Justicia hians (Brandegee) Brandegee
{BC: A. Carter 4164 (SD 68522)}
This rare BCS endemic subspecies occurs from near Santa Rosalía in n BCS south to the Cape region.

Ecoregions: GIG; Wider distrib.: SON, SIN, c & s Mexico, AZ
ARIZONA WATER-WILLOW; MUCLE CIMARRON, RAMA DEL VENADO, CHUPARROSA

Justicia insolita (Brandegee) T.F. Daniel
[syn = Beloperone hians Brandegee, Justicia wigginsii Leonard]

{BC: Moran 9082 (SD 66399)}
This BCS endemic subspecies occurs from the SGuAD south to near La Paz.

Ecoregions: GCD, GIG, MAG, CPL, CPM
UNCOLUMN TUBE-TONGUE; CHUPARROSA

Justicia insolita var. tastensis (Brandegee) T.F. Daniel
{BC: M. Domínguez L. 1776 (SD 140736)}
This BCS endemic subspecies occurs only in the Cape region.

Ecoregions: CPL, CPM
EL TASTE TUBE-TONGUE; CHUPARROSA

Justicia longii Hilsenb.
[syn = Siphonoglossa longiflora (Torr.) A. Gray. Note this name was misapplied to Justicia austrocenensis in Wiggins (1980)]

{BC: Rebman 25137 (SD 223582)}
This species was recently discovered in the SLIB of s BC.

Ecoregions: CD, LD, GCD, GIG; Wider distrib.: SON, SIN, s Mexico, Central America
PENINSULAR RUELLIA, PENINSULAR WILD-PETUNIA; RAMA PARDA, RAMA PRIETA, CHAMIZO CENIZO, HUATILLA

Justicia palmeri Rose
{BC: Reeder 7063 (SD 116113)}
This BCS endemic species occurs throughout much of the state ranging from the SSF south to the Cape region.

Ecoregions: CD, LD, GCD, GIG, MAG, CPL, CPM
PALMER TUBE-TONGUE; RAMAO BLANCO, CHUPARROSA

Justicia purpusii (Brandegee) D.N. Gibson
{BC: Mudie 903 (SD 93723)}
This rare BCS endemic species occurs in the Cape region.

Ecoregions: MAG, CPL, CPM
PURPUR HUMMINGBIRD FLOWER; RAMA CENIZA, CHUPARROSA

*Justicia spicigera Schltldl.
{BC: A. Carter 2710 (DS 344048)}
This species is native to Mexico, but apparently non-native to our region. It is only known from a couple of specimens in BCS that have naturalized, but the species is widely distributed and cultivated as a medicinal & common garden plant in Mexico.

Ecoregions: GIG; Wider distrib.: Widespread In Mexico, Central America
MEXICAN HONEYSUCKLE; NICLE, HIERBA AZUL, MOSQUITIL


Ruellia blechum L.
{BC: León de la Luz 4893 (HCIB 18052)}
In our region this species is very rare & only known to occur at one place in the s SGIG of BCS.

Ecoregions: GIG; Wider distrib.: SON, SIN, s Mexico, Central America
GREEN SHRIMP PLANT, BROWNE BLECHUM

Ruellia californica (Rose) I.M. Johnst. subsp. californica
{BC: Moran 10258 (SD 54623); BCS: Rebman 4632 (SD 141925)}
This native subspecies occurs from near Bahía de Los Ángeles in se BC south to the c SGIG just south of Loreto in BCS.

Ecoregions: CD, LD, GCD, GIG; Wider distrib.: SON BAJA CALIFORNIA RUELLIA, BAJA CALIFORNIA WILD-PETUNIA; FLOR DEL CAMPO, RAMA PARDA, RAMA PRIETA, CHAMIZO CENIZO, HUATILLA

Ruellia californica (Rose) I.M. Johnst. subsp. peninsularis (Rose) T.F. Daniel
{BC: A. Carter 2710 (DS 344048)}
This BCS endemic subspecies occurs from the vicinity of Mulegé south to the Cape region.

Ecoregions: GCD, GIG, MAG, CPL
PENINSULAR RUELLIA, PENINSULAR WILD-PETUNIA; RAMA PARDA, RAMA PRIETA, VIDA DEL MONTE, CHAMIZO, CHAMIZO CENIZO

Ruellia ciliatiflora Hook.
{BC: M. Domínguez L. 176 (HCIB C4353)}
This rare native species is only known in our region from a couple of specimens in west-central BCS near Bahía Concepción & the s SGIG.

Ecoregions: GCD, GIG; Wider distrib.: SON, SIN, widespread in Mexico, AZ, LA, TX, Central & South America
VIOLET RUELLIA, VIOLET WILD-PETUNIA

Ruellia comomdenensis T.F. Daniel

{BC: A. Carter 2710 (DS 344048)}
This BCS endemic.

{BC: Zippin 14 (SD 132020)}
This rare BCS endemic species occurs in the vicinity of Comondú in the c SGIG.
Ecoregions: GIG, MAG

COMONDU RUHELLA, COMONDU WILD-PETUNIA

Ruellia intermedia Leonard
{BCS: F. Gander 9677 (SD 29368)}
This rare native species occurs in the SGUAD and the Cape region of BCS.
Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico
BULL WHEED, HIERBO DE TORO, RAMA DE TORO

Ruellia inundata Kunth
{BCS: T.F. Daniel 6952 (CAS 926283)}
This rare native species is only known in our region from the lowlands in the southern & southwestern Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, c & s Mexico, Central & South America
FLOOD WILD-PETUNIA; TRONANDORA

Ruellia leucantha Brandegee subsp. leucantha
BCS endemic.
{BCS: Moran 21340 (SD 88085)}
This white-flowered BCS endemic subspecies is only known to occur in the Cape region and differs from subsp. postinsularis (Gentry) T.F. Daniel of SON & SIN.
Ecoregions: GCD, CPL, CPM
MOUNTAIN WILD-PETUNIA; CONPINTURIA, PETUNIA DEL MONTE

Tetramerium fruticosum Brandegee
{BC: Rebm 17226 (SD 194545); BCS: Moran 23900 (SD 95393)}
This uncommon native species occurs from the SLIB in s BC south to the Cape region of BCS.
Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, s Mexico
SHRUBBY BRACHTSPIKE

Tetramerium glandulosum Oersted
{BCS: M. Domínguez L. 4032 (SD 188580)}
This native species is very rare in our region and only known from the s SGIG of BCS.
Ecoregions: GIG; Wider distrib.: SON, SIN, s Mexico
GLANDULAR BRACHTSPIKE

Tetramerium nervosum Nees in Benth.
[In Wiggins as Tetramerium hispidum Nees; syn = Tetramerium nervosum var. hispidum (Nees) Torr., Tetramerium scabrum Happ]
{BCS: Moran 18773 (SD 94416)}
This rare native species occurs in the SGUAD, SGIG, & Cape region of BCS.
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, AZ, NM, TX
Hairy Fournwort; Tapadera, Tapaderita, Olotillo, Elotillo, Panalito

Achatocarpaceae

Phaulothamnus spinescens A. Gray
{BCS: Hastings 378 (SD 61323)}
This uncommon native species occurs in BCS mostly along the Gulf coast & on adjacent Gulf islands from the vicinity of Mulegé south to the Cape region. This species was previously placed in the Pyrolaceae.
Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, COL, NAY
SNAKE-EYES; CASA DE COCHI, PUTIA, BASHATA

Adoxaceae

Sambucus nigra L. subsp. caerulea (Raf.) Bolli
[In Wiggins as Sambucus mexicana Presl; syn = Sambucus caerulea Raf., Sambucus glauca Nutt. ex Torr. & A. Gray]
{BC: Moran 27631 (SD 102656); BCS: Moran 20428 (SD 87441)}
This native species occurs most commonly in our region in nw BC between Tecate & El Rosario, but is scattered south in a few isolated locations including the SLIB in s BC, & in the V3V & s SGIG of BCS.
Ecoregions: CSS, CHA, CMT, CSU, CD, GIG; Wider distrib.: SON, CHH, w USA, sw Canada
BLUE ELDERBERRY, MEXICAN ELDERBERRY; SAUCO, SAUZ, SAUCE, TAPO

Aizoaceae

*Aptenia cordifolia* (L.f.) Schwantes
[syn = Mesembryanthemum cordifolium L.f.]
{BC: Rebm 27058 (SD 234550)}
This very rare non-native is sometimes planted as an ornamental ground cover in nw BC and rarely naturalizes in urban canyons of Tijuana.
Ecoregions: CSS; Wider distrib.: Native to s Africa, introduced in CA, OR, Europe, Australia
BABY SUN-ROSE, SHRUBBY DEWPLANT; ROCIO

*Carpobrotus chilensis* (Molina) N.E. Br.
[In Wiggins as Mesembryanthemum chilense Molina; syn = Carpobrotus aquilinatus (Haw.) N.E. Br.]
{BC: Moran 16220 (SD 71928)}
This non-native, invasive species occurs along the immediate Pacific coast of nw BC from Tijuana south to El Rosario and on Todos Santos Island.
Ecoregions: CSS, CSU, PI (Todos Santos); Wider distrib.: Native to s Africa, introduced in CA, OR, South America
SEA-FIG; HIGO DEL CABO, HIGO MARINO

*Carpobrotus edulis* (L.) N.E. Br.
[In Wiggins as Mesembryanthemum edule L.]
{BC: Moran 30090 (SD 110355)}
This non-native, invasive species occurs along the immediate Pacific coast of extreme nw BC from Tijuana south to Ensenada. It is commonly planted along highways & slopes behind houses and readily naturalizes from these plantings.
Ecoregions: CSS, CSU; Wider distrib.: Native to s Africa, introduced in CA, FL, Australia, New Zealand, South America
HOTTENTOT-FIG, FREEWAY ICEPLANT; HIGO DEL CABO, HIGO MARINO

*Drosanthemum floribundum* (Haw.) Schwantes
{BC: Moran 26217 (SD 104341)}
This rare non-native is sometimes planted as an ornamental in nw BC and is known to naturalize rarely in the vicinity of Ensenada.
Ecoregions: CSS; Wider distrib.: Native to s Africa, introduced in CA, Europe
SHOWY DEWFLOWER
*Malephora crocea* (Jacq.) Schwantes var. *crocea*
{BC: Moran 23970 (SD 97301)}
This non-native is sometimes planted as an ornamental in nw BC and is known to naturalize rarely near La Misión, Ensenada, & San Quintín.
Ecoregions: CSS; Wider distrib.: Native to Southern Hemisphere, introduced to South America, CA, CN, FL, MA, NC, OR, PA, WV, WI, Australia, eastern Asia
New Zealand-Spinach
*Trianthema portulacastrum* L.
{BC: Robert L. Hill s.n., 29 Oct 2008 (SD 193062); BCS: Rebman 3354 (SD 139360)}
This native species occurs from the vicinity of Misión San Fernando in nc BC south to the Cape region of BCS. It is a common summer annual that frequently occurs along roadways.
Ecoregions: CD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, JAL, OAX; Central & South America, southern half of USA, Africa, West Indies
Desert Horse-Purslane; Verdeloga de Coché, Verdelaga de Calaballo, Verdelaga Puerquera

**Amaranthaceae**

*Alternanthera caracasana* Kunth
[In Wiggins as Alternanthera repens (L.) Kunzte misappl.] {BC: León de la Luz 2790 (SD 126876)}
This species is apparently native only to Central America but it occurs in our region in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, CHH, & c Mexico, Central & South America, sw & Gulf states of USA, Africa
Washerwoman, Kahi Weed, Creeping Joyweed; Tianguis, Verdelaga de Puerco

*Amaranthus albus* L.
{BC: Moran 15318 (SD 67939)}
This non-native species occurs mostly in nw BC from the vicinity of Tecate south to near El Rosario. This species is frequently confused with *A. blitoides* but has fewer perianth parts & smaller seeds.
Ecoregions: CSS, CHA, CMT, SON; Wider distrib.: Native to c North America, introduced to SON, South America, most of USA, Canada, Eurasia
Tumble Pigweed, Tumbleweed Amaranth, White Amaranth, Que-lite Bledo, Quelite Blanco, Quelite de Puerco

*Amaranthus blitoides* S. Watson
[In Wiggins as Amaranthus graecizans L. misappl.] {BC: Moran 18574 (SD 8032)}
This rare non-native species occurs in nw BC from Ensenada to San Matías & in the SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: Native to c USA, introduced to SON, South America, most of USA, Canada, Europe
Prostrate Amaranth, Prostrate Pigweed, Matweed, Matweed Amaranth

*Amaranthus californicus* (Moq.) S. Watson
[syn = Amaranthus microphyllus Shinners, Amaranthus albomarginatus Uline & W.L. Bray]
Status in CFP: 2B.
{BC: Moran 29718 (SD 108532)}
This rare native species occurs in extreme nw BC from Ensenada up to the western foothills of the SJ.
Ecoregions: CSS, CHA; Wider distrib.: w USA except AZ & NM, s Canada
California Amaranth
*Amaranthus caudatus* L.  
{BCS: M. Domínguez L. 1239 (HCIB 5753)}  
This non-native species is commonly planted as an ornamental or for food and has apparently naturalized rarely in the s SGiG of BCS. Note the vouchers in BCS need to be verified.  
Ecoregions: GCD, GIG; Wider distrib.: Central & South America  
LOVE-LIES-BLEEDING

*Amaranthus crassipes* Schltdl.  
{BC: Rebman 18569 (SD 200258)}  
This very rare species occurs in the s VD to the south of Laguna San Ignacio. It is possible that it is an introduced species in nw BCS.  
Ecoregions: VD; Wider distrib.: SON, CHH, South America, AZ, NM, TX, & se USA, West Indies

*Spreading Amaranth, Clubfoot Amaranth*

*Amaranthus cruentus* L.  
{syn = Amaranthus hybridus L. subsp. cruentus (L.) Thell., Amaranthus hybridus L. var. cruentus (L.) Moq.}  
{BC: Moran 25174 (SD 98342)}  
This species is commonly planted for ornamental and pseudocereal purposes and naturalizes rarely in nw BC near Ensenada.  
Ecoregions: CSS; Wider distrib.: Native to Central America, introduced in many places from tropical to warm temperate areas worldwide, especially near cultivated fields

*Red Amaranth, Blood Amaranth, Caterpillar Amaranth*

*Amaranthus deflexus* L.  
{BC: Moran 29122 (SD 105818)}  
This very rare non-native species occurs in the vicinity of Ensenada in nw BC.  
Ecoregions: CSS; Wider distrib.: Native to South America, introduced in AZ, CA, OR, & e USA  
LOW Amaranth, ARGENTINA Amaranth, REFLEXED Amaranth, LARGE-FRUIT Amaranth

*Amaranthus fimbriatus* (Torr.) Benth. ex S. Watson  
{BC: Moran 18661 (SD 79930); BCS: Moran 21385 (SD 88072)}  
A common native, summer annual occurs in many desert areas of the peninsular & ranges from the n SJ in n BC south to La Paz in BCS. It also occurs on many adjacent Gulf islands.  
Ecoregions: CHA, LCD, CD, VD, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, JAL, & c Mexico, widespread in USA, Canada, introduced to Europe, Asia, Australia  
PALMER Amaranth, CARELESS WeED, PIGWEED; QUELITE, BLEDO, QUELITE DE LAS AGUAS, BLEDO PORQUERO, QUINTONIL TROPICAL

*Amaranthus fimbriatus* (Torr.) Benth. ex S. Watson  
{BC: Moran 18661 (SD 79930); BCS: A. Carter 2901 (SD 48027)}  
This species is endemic to our region and occurs mostly throughout BCS, but it does have a few scattered populations in c BC. It should be noted that this species has been reported for Sinaloa, but the vouchers need to be verified.  
Ecoregions: CD, GCD, VD, GIG, MAG, CPL, CPM  
PENINSULAR Amaranth; QUELITE

*Amaranthus obcordatus* (A. Gray) Standl.  
{BC: León de la Luz 7464 (HCIB 4865)}  
This native species occurs in the SLL of BCS. It was reported in Wiggins from the Colorado delta region of ne BC, but no vouchers have been found from that area. The specimens from BCS need to be verified. This species is closely related to A. fimbriatus and might not be distinct.  
Ecoregions: CPL; Wider distrib.: SON, SIN, AZ, TX

*Amaranthus palmeri* S. Watson  
{BC: Moran 15582 (SD 68458); BCS: M. Domínguez L. 2723 (SD 157839)}  
This native annual occurs mostly in nw BC from Ensenada & San Quintin up to the SJ & SSPM. It also occurs in the SLL of BCS, but those specimens need to be verified.  
Ecoregions: CSS, CHA, LCD, CD, VD, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, JAL, & c Mexico, widespread in USA, Canada, introduced to Europe, Asia, Australia  
PALMER Amaranth, CARELESS WeED, PIGWEED; QUELITE, BLEDO, QUELITE DE LAS AGUAS, BLEDO PORQUERO, QUINTONIL TROPICAL

*Amaranthus powellii* S. Watson  
{syn = Amaranthus bouchonii Thell., Amaranthus retroflexus L. var. powellii (S. Watson) Boivin}  
{BC: Moran 15582 (SD 68458); BCS: M. Domínguez L. 2723 (SD 157839)}  
This native species occurs in the SLL of BCS. It was reported in Wiggins from the Colorado delta region of ne BC, but no vouchers have been found from that area. The specimens from BCS need to be verified.  
Ecoregions: CSS, CHA, LCD, VD, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, JAL, & c Mexico, widespread in USA, Canada, introduced to Europe, Asia, Australia  
PALMER Amaranth, CARELESS WeED, PIGWEED; QUELITE, BLEDO, QUELITE DE LAS AGUAS, BLEDO PORQUERO, QUINTONIL TROPICAL

*Amaranthus retroflexus* L.  
{syn = Amaranthus retroflexus L. var. salicifolius I.M. Johnst.}  
{BC: Moran 16621 (SD 72964); BCS: M. Domínguez L. 805 (HCIB 6031)}  
This rare non-native species occurs in the SJ & SSPM of nw BC and in the Cape region of BCS.  
Ecoregions: CHA, CMT, CPM; Wider distrib.: Native to c & e North America, SIN, CHH, throughout most of USA, Canada, introduced and naturalized almost worldwide

*Redroot Pigweed, Redroot Amaranth, Wild Beet Amaranth, Common Amaranth, Rough Pigweed*

*Amaranthus spinosus* L.  
{BCS: Thomas 7712 (SD 94526)}  
This rare non-native species occurs in the Cape region of BCS.  
Ecoregions: CPL; Wider distrib.: Native to tropical America; introduced in many tropical areas worldwide, SIN, CA, e USA, Canada

*Spiny Amaranth, Thorny Amaranth, Wild Pigweed, Common Amaranth, Rough Pigweed*

*Amaranthus torreyi* (A. Gray) S. Watson  
{In Wiggins as Amaranthus pringlei S. Watson}  
{BC: Rebman 18667 (SD 200259); BCS: Moran 20021 (SD 92595)}  
This rare native species occurs in the SLIB of s BC and in the VPEN of nw BCS.  
Ecoregions: CD, VD, GCD, VD; Wider distrib.: COA, AZ, CA, NM, TX

*Torrey Amaranth, Pringle Amaranth*
Amaranthus venulosus S. Watson
[syn = Amaranthus fimbriatus (Torr.) S. Watson var. denticulatus (Torr.) Uline & W.L. Bray]
{BC: Rebman 25178 (SD 223583); BCS: M. Domínguez L. 2239 (SD 142179)}
In our region, this native species occurs mostly in BCS from the SSF south to the s SGIG, but it also occurs in the SLJB of s BC. This species is closely related to A. fimbriatus and might not be distinct. Ecoregions: CD, VI, GIG; Wider distrib.: SON, CHH, w-c Mexico, AZ, NM, TX

*Amaranthus viridis L.
{BC: Castillas 29 (SD 182594)}
This rare non-native occurs in disturbed urban areas of Ensenada in ne BC. Wiggins’ report of this species from near Miller’s Landing may actually be a mis-ID of A. crassipes and the voucher at DS needs to be verified.
Ecoregions: CSS; Wider distrib.: Native to South America, introduced in e USA, AZ, CA, NM, TX

Amaranthus watsonii Standl.
[syn = Amaranthus torrey S. Watson var. suffruticosus Uline & W.L. Bray]
Listed: CNPS 4.3.
{BC: Moran 15550 (SD 68462); BCS: R. Domínguez C. 469 (SD 126880)}
This rather common native summer annual is scattered the length of the peninsula and occurs from San Matías & ne BC south to the northern Cape region and on various adjacent Pacific & Gulf islands.
Ecoregions: CHA, LCD, CD, VI, GIG; Wider distrib.: SON, SIN, AZ, CA
Watson AMARANTH; QUELITE, BLEDO

Celosia floribunda A. Gray
[syn = Iresine obtusa M.E. Jones]
BCS endemic.
{BC: Vinton 25 (SD 139793)}
This BCS endemic shrub occurs from the c SGIG south to the Cape region where it is quite common. It also occurs on Santa Margarita Island in the Pacific and on Espiritu Santo and Cerralvo Islands in the southern Gulf.
Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, MAG, GIG, CPL, BPM
Celosia, MANY-FLOWER COCK’S-COMB; BLEDO

Froelichia interrupta (L.) Moq. var. alata (S. Watson) R.A. McCauley
{BC: Palmer s.n. Nov-Dec. 1887 (LSU); BCS: T.S. Brandegee}
According to McCauley, this taxon is only known in our region from Bahía de Los Ángeles to the SSF. Ecoregions: CD, GCD; Wider distrib.: SON, CHH, NAY

Froelichia xantusii R.A. McCauley
[In Wiggins as Froelichia interrupta (L.) Moq. misappl.]
BCS endemic.
{BC: C.F. Harbison s.n., 12 Nov 1952 (SD 45037)}
This BCS endemic species occurs in the Cape region and differs in some species in having a crisped leaf margin and usually 4 spikelets per inflorescence-node.
Ecoregions: GCD, CPL, CPM
XANTUS SNAKE-COTTON

Gomphrena nitida Rothr.
{BCS: M. Domínguez L. 2565 (SD 161955)}
This very rare native species occurs in the SLL of BCS and has cristate margins on the keels of the perianth parts.
Ecoregions: CPM; Wider distrib.: SON, CHH, w-c Mexico, AZ, NM, TX
PEARLY GLOBE AMARANTH; AMOR SECO

Gomphrena sonorae Torr.
{BCS: A. Carter 5298 (SD 120738)}
This uncommon native species occurs in BCS in the SGUAD, SGIG, and throughout most of the Cape region. Some specimens of this species from BCS have been misidentified as *G. caespitosa*.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, JAL, AZ, NM
SONORAN GLOBE AMARANTH; AMOR SECO


Iresine alternifolia S. Watson
[In Wiggins as Dicraurus alternifolius (S. Watson) Uline & W.L. Bray; syn = Iresine pulchella M.E. Jones]
{BC: Moran 11568 (SD 59574); BCS: Rebman 1694 (SD 137322)}
This uncommon native shrub occurs from near Santa Gertrudis in extreme sw BC south to the s SGIG. It also occurs on Santa Margarita Island in the Pacific and on a few southern Gulf islands. According to Hendrickson & Sundberg, the genus Dicraurus should be lumped into *Iresine*.
Ecoregions: CD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, JAL, AZ, NM
WHITE SNOWPLANT, ASLOME, HIERBA DEL ARLOMO

Iresine angustifolia Euphrasen
[syn = Iresine paniculata Poir., Iresine elatior A. Rich ex Willld.]
{BC: Hastings 303 (SD 61227)}
This native species with glabrous stems occurs in BCS from the c SGIG south to the Cape region and on Espiritu Santo & Cerralvo islands in the Gulf. The specimens from our region have sometimes been referred to as *I. peninsulare* proposed by Rose, but no legitimate published. However, the BCS specimens do differ from those of mainland Mexico in having a simple (little branched) inflor. with inconspicuous bracts and may represent an undescribed taxon.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Brazil, Ecuador

Iresine hartmanii Uline
{BCS: León de la Luz 6088 (HCIB 3245)}
This very rare native species is only known from one specimen in the Cape region of BCS and this voucher needs to be verified that it is not a staminate plant of *I. latifolia*. *Iresine hartmanii* differs from *I. latifolia* by having hairy stamen appendages.
Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, CHH
HARTMAN BLOODLEAF

Iresine interrupta Benth.
[syn = Iresine pacifica Standl., Iresine acuminata Moq., Iresine hookeri Moq.]
{BCS: E. C. Norland s.n., 11 Apr 1955 (SD 45829)}
This very rare native species is only known in our region from a couple of historical collections in the SLL of BCS. These specimens are vine-like, but may represent extreme growth forms of *I. latifolia* and need to be studied in detail.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, JAL, & s Mexico, Central America
_**Mexican Bloodleaf; Hierba del Hijo, Barba de Viejoe**_

_Iresine latifolia_ (M. Martens & Galeotti) Benth. & Hook. f.

[In Wiggins as Iresine calea (Ibáñez) Standl. misappl.; syn = Iresine laxa S. Watson, Iresine completa Uline & W.L. Bray]

{BCS: Moran 7129 (SD 50467)}

This highly variable, native species occurs in the Cape region of BCS and has historically gone by the name _I. calea_. Iresine latifolia is similar to _I. hartmannii_ but differs in having glabrous stamen appendages.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America

False Cottonbush, Wide-lead Bloodleaf; Malva de Agua, Peluca, Pelusa, Algodoncillo, Zerote de Cochí

_Nitrophila occidentalis_ (Moq.) S. Watson

Status in CFP: 2B.

{BC: F.W. Peirson 5848 (RSA 69945)}

This rare native species is only known from one historical collection in our region southeast of Tecate. This genus was previously recognized in the Chenopodiaceae.

Ecoregions: CHA; Wider distrib.: SON, CA, NV, OR, UT

Alkalai Weed, American Nitrophila


_Tidestromia eliaissianonaa_ (Sánch. Pino & Flores Olv.) Sánch. Pino

[In Wiggins as Tidestromia lanuginosa (Nutt.) Standl. misappl.; syn = Tidestromia lanuginosa (Nutt.) Standl. subsp. eliaissianonaa Sánch. Pino & Flores Olv.]

{BCS: León de la Luz 09_087 (SD 222331)}

This native species is rare in BCS and occurs mostly along the Gulf coast between Santa Rosalía & Bahía Concepción; reported by Wiggins for ne BC but we have found no vouchers from this area.

Ecoregions: VD, GCD; Wider distr.: SON, SIN, CHH, AZ, NM, UT

Honeysweet; Hierba Ceniza, Hierba Lanuda

_Tidestromia oblongifolia_ (S. Watson) Standl.

[In Wiggins as Tidestromia oblongifolia (S. Watson) Standl. subsp. oblongifolia, Tidestromia oblongifolia subsp. cryptantha (S. Watson) Wiggins; syn = Tidestromia suffruticosa (Torr.) Standl. var. oblongifolia (S. Watson) Sánch. Pino & Flores Olv.]

{BC: Moran 15689 (SD 69320)}

This rare native species occurs in extreme ne BC in the vicinity of Mexicali and near the Laguna Salada.

Ecoregions: LCD; Wider distr.: SON, AZ, CA, NV, TX, UT

Salton Sea Honeysweet; Hierba Ceniza, Hierba Lanuda

_Anacardiaceae_

_BaJal CaliFornia elepHant tree; CopalQuín, torote BlanCo_

_Cyrtocarpa edulis_ (Brandegee) Standl. var. _glabra_


BCS endemic.

{BCS: León de la Luz s.n. 21 Sep 2007 (HCIB 23115)}

This is a more glabrous taxon that occurs along the Pacific coast of southern BCS and is endemic to that region.

Ecoregions: MAG, CPL

Smooth Cape Wild-Plum; Ciruelo Silvestre, Ciruelo Cimarrón, Ciruelo del Monte, Chunique


_Malosma laurina_ (Nutt.) Abrams

[In Wiggins as Rhus laurina Nutt.]

{BC: Carlos Grabendorffer s.n., 1898 (UC 137830)}

This non-native tree is often planted as a food, but putatively naturalizes in the Cape region of BCS.

Ecoregions: CSS, CHA, CSU, PI, CD, VD, GI, MAG, CPM; Wid-er distr.: CA

Laurel SumaC; lentiSCo, lentil

*Mangifera indica* L.

{BC: Carlos Grabendorffer s.n., 1898 (UC 137830)}

This non-native tree is often planted as a food, but putatively naturalizes in the Cape region of BCS.

Ecoregions: CPL; Wider distr.: Native to India, but planted as food in tropical areas worldwide

_Mango; Mango_

_Pachycormus discolor_ (Benth.) Coville var. _discolor_

BCS endemic.

{BCS: Moran 10825 (SD 54309)}

This variety is endemic to BCS and has larger leaves than the other varieties. It occurs on Magdalena and Santa Margarita islands in the Pacific and along the s SGIG.

Ecoregions: GIG, MAG

_Magdalena ELEPHANT TREE; COPALQUÍN, TOROTE BLANCO_

_Pachycormus discolor_ (Benth.) Coville var. _pubescens_ (S. Watson)

Gentry

{syn = Bursera pubescens S. Watson}

LC endemic.

{BC: Rebman 3136 (SD 139708); BCS: R. Domínguez C. 1664 (SD 143613)}

This variety is the most common, is endemic to our region, and has a more open inflorescence & smaller flowers than var. veatchiana.

It ranges from the vicinity of San Fernando Velicatá in c BC south to near La Paz and on various islands at Bahía de Los Angeles and in the southern Gulf.

Ecoregions: LCD, CD, VD, GCD, GI, CPL

_Baja California ELEPHANT TREE; COPALQUÍN, TOROTE BLANCO_

_Pachycormus discolor_ (Benth.) Coville var. _veatchiana_ (Kellogg)

Gentry

**Rhus aromatica** Aiton subsp. *trilobata* (Nutt.) W.A. Weber

[In Wiggins as Rhus trilobata Nutt. ex Torr. & A. Gray, R. t. var. anisophylla (Greene) Jeps., R. t. var. quinata Jeps.; syn = Rhus trilobata var. macalopithy (Greene) Munz]

{BC: Moran 29736, Moran 24032, Moran 16587, Moran 28399 (SD 108857, SD 97160, SD 71601, SD 105269)}

This native shrub occurs in nw BC to the northeast of Ensenada, but most commonly in the foothills and mountains of the SJ.

Ecoregions: CHA, CMT, LCD; Wider distrib.: SON, CHH, sw USA

**Skunk Bush; Basket Bush; Squaw Bush**

**Genus ref. see Malosma:** Barkley 1937.

**Rhus barclayi** (Hems.) Standl.

[syn = Rhus terebinthifolia Schlldl. & Cham. var. barclayi Hems.]

{BCS: M. Domínguez L. 2988 (HCIB 23146)}

This native species occurs mostly in western Mexico and the specimens from the Cape mountains of BCS need to be verified that they are this taxon.

Ecoregions: CPM; Wider distrib.: GRO, JAL, NAY

**Barclay Sumac**

**Rhus barclayi** (Hems.) Standl.

{BC: Moran 26935 (SD 102630); BCS: Moran 18730 (SD 76742)}

This species is endemic to our region and occurs on Cedros Island and in the mountains of the w VOPEN.

Ecoregions: PI (Cedros, Natividad), VD

**Veitch Elephant Tree; Copaquin, Torote Blanco**

**Genus ref. see Malosma:** Barkley 1937.

**Rhus barclayi** (Hems.) Standl.

{BC: Moran 11657 (SD 54792); BCS: Moran 10600 (SD 53972); BCS: Moran 19963 (SD 104563)}

This very rare species is only known from the Sierra de la Victoria of the Cape region in our area & differs from R. tepetate in having dense, spreading pubescence and longer petiolas on the leaflets.

Ecoregions: CSS; Wider distrib.: CA

**Hybrid Sugarberry**

**Rhus aff. pachyrhachis** Hems sl.

{BCS: R. Domínguez C. 1588 (SD 139942)}

This very rare species is only from the Sierra de la Victoria of the Cape region in our area & differs from R. tepetate in having dense, spreading pubescence and longer petiolas on the leaflets.

Ecoregions: CPM; Wider distrib.: NLE, SLP, TAM

**Mexican Sumac**

**Rhus kearneyi** F.A. Barkley subsp. borjaensis Moran


{BC: Moran 8398 (SD 50795)}

This BC endemic subspecies occurs in the SBOR, SLIB, & on Angel de la Guarda Island in the Gulf.

Ecoregions: CD

**San Borja Desert Sumac**

**Rhus kearneyi** F.A. Barkley subsp. *kearneyi*

{BC: Moran 20852 (SD 88756)}

This native variety occurs on the eastern & southern sides of the SSPM in our region.

Ecoregions: CMT, LCD, CD; Wider distrib.: SON, AZ

**Desert Sumac; Limita del desierto**

**Rhus kearneyi** F.A. Barkley subsp. *virginum* Moran

BCS endemic.

{BCS: Moran 23891 (SD 95375)}

{BC: Moran 10600 (SD 53972); BCS: Moran 19963 (SD 104563)}

This species is endemic to our region and occurs on Cedros Island and in the mountains of the w VOPEN.

Ecoregions: PI (Cedros, Natividad), VD

**Lent Sugar Bush; Lentisco**

**Rhus ovata** S. Watson

{BC: Moran 11065 (SD 54741); BCS: Moran 11657 (SD 59099)}

This native shrub occurs mostly in nw BC in the foothills and mountains of the SJ & SSPM, but also ranges on sky islands in the CD in the SASAM and SBOR of s BC and on V3V in n BCS.

Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: AZ, CA

**Sugar Bush; Lentisco**

**Rhus ovata** × *R. integrifolia*

{BC: Moran 18234 (SD 76742)}

This is a rare interspecific hybrid that occurs where the ranges of these two species overlap in nw BC.

Ecoregions: CSS; Wider distrib.: CA

**Hybrid Sugarberry**

**Rhus schiedeana** Schlldl.

{BCS: D.E. Breedlove 43266 (MO 3034137)}

This very rare species is only known from the SSL of BCS in our region and is discussed by Standley (1926), but the specimen at MO needs to be verified and could represent R. tepetate.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico from SLP south to CHP

**Schiede Sumac; Lentisco**

**Rhus tepetate** Standl. & F.A. Barkley

[syn = Rhus schiedeana Schlcht var. tepetate (Standl. & F.A. Barkley) Young]

{BCS: Rehman 5810 (SD 145414)}

This rare native species occurs at higher elevations in the SSL of BCS.

Ecoregions: CPM; Wider distrib.: SON, CHH

**Sonoran Sumac; Lentisco**

*Schinus molle* L.

{BC: Moran 25076 (SD 98559)}
This non-native tree is often planted, but also naturalizes readily in nw BC from Tijuana & Tecate south to San Quintín.

Ecoregions: CSS, CHA, CSU; Wider dist.: Native to South America, introduced and naturalized in various parts of Mexico, CA, FL, HI, TX

Peruvian Pepper Tree; Pirú, Pirú

*Schinus terebinthifolius* Raddi

{BC: Moran 27947 (SD 104326)}

This non-native tree naturalizes readily in nw BC.

Ecoregions: CSS; Wider dist.: Native to South America introduced and naturalized in SIN, and a few other areas of Mexico, CA, FL, HI, TX

Brazilian Pepper Tree

Toxicodendron diversilobum (Torr. & A. Gray) Greene

In Wiggins as Rhus diversiloba Torr. & A. Gray; syn = Toxicodendron radicans (L.) Kuntze subsp. diversilobum (Torr. & A. Gray) Thorne

{BC: Moran 22899 (SD 96683)}

In our region, this species occurs mostly in nw BC, but is also known from the SLIB of s BC.

Ecoregions: CSS, CHA, CSU, CD; Wider dist.: CA, NV, OR, WA

Western Poison-Oak; Hiedra Venenosa, Yedra

Toxicodendron radicans (L.) Kuntze var. *divaricatum* (Greene) F.A. Barkley

In Wiggins as Rhus radicans L. var. *divaricata* (Greene) Fernald; syn = Toxicodendron diversilobum Greene

{BC: Moran 25644 (SD 100274); BCS: Hodgson 8227 (SD 138437)}

In our region, this species occurs mostly in wet areas of BCs, but one population is known from the lower eastern side of the SSPM.

Ecoregions: CMT, CD, GIG, CPL, CPM; Wider dist.: SON, CHH, AZ

Eastern Poison-Ivy; Hiedra Venenosa, Yedra

Apiaceae


*Ammi majus* L.

{BC: Moran 3501 (HCIB 18829)}

Specimens identified from BCS as *Perideridia gairdneri* are more likely this rare, non-native species.

Ecoregions: GIG; Wider dist.: Native to Eurasia, introduced to most of the USA, Canada, Eurasia, Africa

*Berula erecta* (Hudson) Coville

Status in CFP: 4.

{BC: Moran 27980 (SD 104048)}

This rare native species occurs in wetlands of nw BC from near Tecate south to the vicinity of San Quintín and in the SSPM.

Ecoregions: CHS, CHA, CSU, CD; Wider dist.: W USA, Canada

Hoary Bishop’s Flower; Large Bullwort; Encaíne


*Apiastrum angustifolium* Nutt. in Torr. & A. Gray

{syn = Apiastrum latifolium Nutt.}

{BC: Moran 15793 (SD 71543); BCS: H.S. Gentry 8679 (SD 86445)}

This native annual is common in nw & c BC, but rare in extreme n BCS. It also occurs on various Pacific islands off of nw BC. This species has opposite leaves & elliptic-cordate fruits but is sometimes confused with the non-native *Cyclospermum leptophyllum*.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD, GI; Wider dist.: AZ, CA

Mock-Parsley

*Bowlesia incana* Ruiz & Pav.

{BC: Moran 28454 (SD 105791)}

In our region this native annual occurs mostly in nw BC, but is scattered south into the n CD.

Ecoregions: CSS, CHA, PI, CD; Wider dist.: SON, CHH, c & w USA, Canada

Hoary Bishop’s Flower; Large Bullwort; Encaíne

*Cicuta douglasii* (DC.) J.M. Coult. & Rose

{syn = Cicuta maculata L. var. californica (A. Gray) Boivin, Cicuta maculata L. var. bolanderi (S.Wats.) Mulligan}

Status in CFP: 2B.

{BC: Moran 17997 (SD 76421)}

In our region, this very rare species is only known from one historical specimen collected on the western side of the SSPM in nw BC.

Ecoregions: CHS; Wider dist.: w USA, Canada

Douglaston Water Hemlock, Western Water Hemlock

*Cicuta maculata* L. var. *maculata* 

{syn = Cicuta maculata L. var. curtissii (Coult. & Rose) Fernald, Cicuta mexicana Coult. & Rose, Cicuta curtissii Coult. & Rose}

Status in CFP: 2B.

{BC: Moran 24390 (SD 97773)}

In our region, this native species is rare and only known from a few specimens on the western side of the SSPM in nw BC.

Ecoregions: CHS; Wider dist.: Most of the USA, Canada

*Common Celery, Wild Celery; Apio

*Arracacia brandegeei* Coult. & Rose var. *brandegeei* BCS endemic.

{BCS: Moran 7094 (SD 50608)}

This uncommon BCS endemic variety occurs from the SGUAD south to the Cape region and on Magdalena Island in the Pacific and Espíritu Santo Island in the Gulf.

Ecoregions: GCD, GI, MAG, CPL, CPM

*Brandgeee Wild-Carrot; Chuchupate

*Arracacia brandegeei* Coult. & Rose var. *sylvestrica* M.E. Jones


BCS endemic.

{BCS: Moran 18886, M.E. Jones 27071 (SD 100426, MO 1034384 (isotype))}

This BCS endemic variety is a smaller plant with more narrow leaves that seems to restricted to the higher elevations of the SLLs and on Cerro Mechudo.

Ecoregions: GIG, CPM

La Laguna Wild-Carrot; Chuchupate

*Bowlesia incana* Ruiz & Pav.

{BC: Moran 28454 (SD 105791)}

This rare native species occurs in wetlands of nw BC from near Tecate south to the vicinity of San Quintín and in the SSPM.

Ecoregions: CSS, CHA, PI, CD; Wider dist.: SON, CHH, c & w USA, Canada

American Bowlesia

*Cut-leaf Water-Parsnip; Palmite de Agua

*Cicuta douglasii* (DC.) J.M. Coult. & Rose

{syn = Cicuta maculata L. var. californica (A. Gray) Boivin, Cicuta maculata L. var. bolanderi (S.Wats.) Mulligan}

Status in CFP: 2B.

{BC: Moran 17997 (SD 76421)}

In our region, this very rare species is only known from one historical specimen collected on the western side of the SSPM in nw BC.

Ecoregions: CHS; Wider dist.: w USA, Canada

Douglaston Water Hemlock, Western Water Hemlock

*Cicuta maculata* L. var. *maculata* 

{syn = Cicuta maculata L. var. curtissii (Coult. & Rose) Fernald, Cicuta mexicana Coult. & Rose, Cicuta curtissii Coult. & Rose}

Status in CFP: 2B.

{BC: Moran 24390 (SD 97773)}

In our region, this native species is rare and only known from a few specimens on the western side of the SSPM in nw BC.

Ecoregions: CHS; Wider dist.: Most of the USA, Canada

*Common Celery, Wild Celery; Apio
*Coriandrum sativum* L.
{BC: Moran 25951 (SD 141365); BCS: M.E. Jones 24309 (POM 191248)}
This non-native species is often planted in gardens as a culinary herb and rarely naturalizes in nw BC and in the Cape region of BCS.
Ecoregions: CSU, PI, CPL; Wider distrib.: Native to Mediterranean region, planted throughout world and naturalizes rarely some areas including SON & tropical America, CA

*Eryngium nasturtiifolium* Juss. ex F. Delaroche
San diego Button-Celery, parish eryngo
{BCS (SD 49997)}
This uncommon native species occurs in ephemeral wetlands of BCS from the c SGIG and Bahía de Magdalena south to the Cape region. In our region, this rare insular endemic species only occurs on Guadalupe Island in the Pacific.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

*Cyclospermum leptophyllum* (Pers.) Britton & P. Wilson
[In Wiggins as Apium leptophyllum (Pers.) F. Mueller ex Benth.]
{BCS: Wiggins 18225 (DS 493613)}
This non-native, invasive species is often confused with Apiastrum angustifolium but has alternate leaves and elliptic fruits. Although vouchers verify it in BCS, this species should be looked for in weedy, urban areas of nw BC.
Ecoregions: GCD, CPL, CPM; Wider distrib.: Native to South America, introduced in SON & various other parts of Mexico, southern USA, and found almost worldwide in warm, temperate areas

*Daucus pusillus* Michx.
{BC: Moran 27151 (SD 102425); BCS: Moran 20423 (SD 87118)}
This uncommon native species occurs mostly in nw BC from Tecate south to El Rosario, but also on sky islands of the peninsula as far south as the n SGIG of BCS.
Ecoregions: CSS, CHA, CSU, PI, CD, SD; Wider distrib.: SON, CHH, South America, w & s USA, western Canada

*Cymopterus multinervatus* (J.M. Coult. & Rose) Tidestr.
Status in CFP: 2B; Listed: CNPS 2.2.
{BC: Moran 22054 (SD 91866)}
This very rare native species occurs at higher elevations in the SJ of nw BC to the western slopes of the SSPM.
Ecoregions: CSS, CHA; Wider distr.: AZ, CA

*Eryngium aristulatum* Jeps. var. *parishii* (J.M. Coult. & Rose) Mathias & Constance
[In Wiggins as Eryngium parishii J.M. Coult. & Rose]
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 16013 (SD 71504)}
This uncommon native species occurs in nw BC from Tecate south to the vicinity of San Quintín.
Ecoregions: CSS, CHA, PI; Wider distrib.: Native to southern Europe, widespread and naturalized in much of North America

*Foeniculum vulgare* Mill.
{BC: Moran 27940 (SD 104318)}
This non-native, invasive species occurs mostly in disturbed areas of extreme nw BC between Tijuana and Ensenada but also ranges south to the vicinity of San Quintín.
This rare BC endemic occurs in w BC from just south of San Quintín to the vicinity of Punta Prieta. Specimens identified as this species from the s SJ are S. moranii and specimens from the CD of BC identified as S. bipinnatifida are likely this species.
Ecoregions: CSU, CD
**DESSERT SANICLE**

**Sanicula moranii** P. Vargas, Constance, & B. Baldwin
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 21254 (SD 86356)}
This rare BC endemic occurs in the s SJ & n SSPM in nw BC.
Ecoregions: CHA
**MORAN SANICLE**

**Sanicula tuberosa** Torr.
Status in CFP: 2A.
{BC: Moran 27023 (SD 102939)}
In our region this very rare native species is only known from extreme nw BC in the foothills and mountains of nw SJ.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA, OR
**TURKEY-PEA SANICLE**
Genus ref. see Apiastrum: Nesom 2012

**Spermolepis lateriflora** G.L. Nesom
[In Wiggins as Spermolepis echinata (Nutt.) A. Heller misappl.]
Status in CFP: 2B.
{BC: J. Delgadillo & Resendiz s.n. 5 May 1998 (SD 154830)}
This very rare native species is only known from 2 specimens in the vicinity of San Matías in nw BC. This species was recently described from the sw USA and was separated from S. echinata, which occurs in Texas and eastward.
Ecoregions: CHA; Wider distrib.: SON, CHH, AZ, CA, NM, TX
**SOUTHWESTERN SCALESEED**

**Sphenosciadium capitellatum** A. Gray
Status in CFP: 2B.
{BC: Moran 17886 (SD 76574)}
In our region, this native species is very rare and only known from the high elevations of the SSPM in nw BC.
Ecoregions: CMT; Wider distrib.: CA, ID, NV, OR
**SWAMP WHITE HEADS, RANGER’S BUTTONS, WOOLLY-HEAD PARnip**

**Tauschia arguta** (Torr. & A. Gray) J.F. Macbr.
Status in CFP: 2A.
{BC: Moran 26981 (SD 102936)}
This native perennial is rather rare in our region and occurs in upper foothills and mountains of sj BC from Tecate and the n SJ south to the n SSPM.
Ecoregions: CHA, CMT; Wider distrib.: s CA
**SOUTHERN TAUSCHIA, SOUTHERN UMBRELLAWORT**

**Yabea microcarpa** (Hook. & Arn.) Koso-Pol.
[In Wiggins as Caucalis microcarpa Hook. & Arn.]
{BC: Moran 27142 (SD 102427)}
This uncommon native annual occurs mostly in nw BC, but also ranges into the c CD and on Guadalupe Island.
Ecoregions: CSS, CHA, CMT, PI (Guadalupe), CD; Wider distrib.: SON, w USA, sw Canada
**CALIFORNIA HEDGE-PARSLEY, FALSE CARROT**
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**Apocynaceae (incl. Asclepiadaceae)**

**Asclepias curassavica** L.

**Apocynum androsaemifolium** L.
Status in CFP: 2B.
{BC: E.A. Goldman 1221 (MO 993756)}
This very rare native species has only been collected once in our region by E.A. Goldman on 15 July 1905 in Valletitos of the SSPM in nw BC.
Ecoregions: CMT; Wider distrib.: SON, widespread in North America
**BITTER DOGbane**

**Apocynum cannabinum** L.
[In Wiggins as Apocynum sibericum Jacq. var. salignum (Greene) Fernald; syn = Apocynum cannabinum L. var. glaberrimum A. DC.]
Status in CFP: 2B.
{BC: Moran 11083 (SD 54769)}
In our region, this rare native species occurs at higher elevations of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: SON, most of the USA, Canada
**INDIAN-HEMP**

**Asclepias albicans** S. Watson
{BC: Moran 24626 (SD 98484); BCS: Moran 9102 (SD 66159)}
This native species occurs down the eastern side of the peninsula from San Felipe in nw BC south to La Paz in BCS and on various adjacent Gulf islands.
Ecoregions: LCD, CD, GCD, GIG; Wider distrib.: SON, SIN, AZ, CA
**WHITE-STEM MILKWEED, WAX MILKWEED; MATA CANDELILLA, JUMATE, YAMATE**

**Asclepias californica** Greene
{BCS: E. Palmer s.n., 1887 (UC 22949)}
The voucher specimen of Palmer was collected in Mulegé, but this is probably incorrect as this species would only be expected to occur at higher elevations in the SJ & SSPM, but has not yet been documented from nw BC.
Ecoregions: GCD? (CMT); Wider distrib.: CA
**CALIFORNIA MILKWEED, ROUND-HOOD MILKWEED**

*Asclepias curassavica* L.
{BC: G. Forsberg s.n., 15 Oct 1973 (SD 84632); BCS: C.F. Harbison s.n., 11 Nov 1952 (SD 45074)}
This non-native species is often planted in gardens and is known to naturalize in our region in the vicinity of Ensenada in nw BC and at Mulegé and San José del Cabo in BCS.
Ecoregions: CSS, GCD, CPL; Wider distrib.: SON, SIN, native to Mexico, but commonly planted & naturalizing in various places into tropical America, s & se USA
**BLOODFLOWER MILKWEED; LAURELILLO, HIERBA DE LA CUCARACHA**

**Asclepias eriocarpa** Benth.
{syn = Asclepias eriocarpa var. microcarpa Munz & I.M. Johnst., Asclepias fremontii Torr. ex A. Gray]
Status in CFP: 2A.
{BC: Moran 18524 (SD 84632); BCS: Moran 18524 (SD 84700)}
This uncommon native species occurs in higher elevations of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA, NZ
**INDIAN MILKWEED, KOTOLGO, YUMETE**
*Asclepias erosa* Torr.
Status in CFP: 4.
{BC: Moran 24326 (SD 98104)}
This rather rare species occurs mostly in the SJ of nw BC, but also ranges disjunctly to the n CD near San Fernando Vélezá. 
Ecoregions: CHA, CMT, LCD, CD; Wider distr.: SGN, SW USA
DESERT MILKWEED; GIANT SAND MILKWEED; HIERBA DEL CUERVO, YU-METE

*Asclepias fascicularis* Decne.
Status in CFP: 2B.
{BC: Moran 14501 (SD 79670)}
This native species is rather rare in nw BC and occurs mostly on the western slopes of the SJ & SSPM. 
Ecoregions: CSS, CHA, CMT; Wider distr.: w USA
NARROW-LEAF MILKWEED

*Asclepias masonii* Woodson
BCS endemic.
{BCS: Beauchamp 2106 (SD 79310)}
This very rare BCS endemic occurs in the Bahía de Magdalena area mostly on Magdalena and Santa Margarita islands. 
Ecoregions: MAG
MASON MILKWEED; YAMETE

*Asclepias subalata* Decne.
{BC: Moran 15342 (SD 67953); BCS: Moran 28079 (SD 105850)}
This widespread, common, and variable native species occurs from near Tecate in nw BC and San Felipe in ne BC south to the Cape region of BCS. It also occurs on Cedros Island in the Pacific and on Espíritu Santo Island in the Gulf. 
Ecoregions: CSS, CHA, CSU, PI (Cedros), CD, VD, GCD, MAG, CPL; Wider distr.: SON, SIN, SW USA
RUSH MILKWEED, REED-STEM MILKWEED; JUMETE, AJAMETE, MATA CANDELILLA, YAMETE

*Catathranthus roseus* (L.) G. Don
{In Wiggins as Vinca rosea L.}
{BCS: E.L. Chambers 859 (DS 384836)}
This rare non-native species is commonly planted in gardens as an ornamental and is known to naturalize rarely in the Cape region of BCS. 
Ecoregions: CPL; Wider distr.: Native to Madagascar, commonly planted and naturalizing occasionally in Mexico, CA, TX, & SE USA, West Indies, tropical America
MADAGASCAR PERIWINKLE, ROSE PERIWINKLE

*Cryptostegia grandiflora* (Roxb.) R. Br.
{BC: Rehman 1672 (SD 137309)}
This invasive, non-native species is a major problem in wet areas and oases in BCS and occurs from the SSF to the Cape region. 
Ecoregions: CD, GCD, GIG, MAG, CPL; Wider distr.: Native to India, introduced in SON, SIN, CHH, FL, commonly planted and naturalizing in tropical areas
INDIA RUBBERVINE, PALAY RUBBERVINE; CLAVEL DE ESPAÑA, MANTO DE LA VIRGEN, CLAVEL ALEMÁN, CUERNO, VELO DE LA VIRGEN, CHICOTE, BEIUCO


*Funastrum arenarium* (Decne. ex Benth.) Liede
{In Wiggins as Sarcostemma arenarium Decne. ex Benth.}
{BC: Moran 19299 (SD 84381); BCS: Moran 25270 (SD 101232)}
This species is endemic to our region and occurs mostly on sandy substrates along the western side of the peninsula from San Quintín in nw BC south to Bahía de Magdalena and on the adjacent Magdalena and Santa Margarita islands. 
Ecoregions: CSU, CD, VD, MAG
MAGDALENA TWINEVINE; GUÍROTE

*Funastrum clausum* (Jacq.) Schltr.
{In Wiggins as Sarcostemma clausum Jacq. Schult.}
{BCS: M.E. Jones 27307; León de la Luz 09-031 (POM 191027; SD 225155)}
In our region, this native species is very rare and only known from the vicinity of San José del Cabo and the lower eastern slopes of the SLL in BCS. 
Ecoregions: CPL; Wider distr.: SON, SIN, JAL, FL, South America
WHITE TWINEVINE; GUÏROTE, BÉRECO REVIENTA CHIVO

*Funastrum crispum* (Benth.) Schltr.
{In Wiggins as Sarcostemma crispum Benth.}
{BC: Wiggins 9148 (DS 266195)}
In our region, this species is very rare and only known from one historical specimen in the southern SJ in nw BC. 
Ecoregions: CHA; Wider distr.: SON, c Mexico, AZ, CO, NM, OK, TX
WAVING TWINEVINE

*Funastrum hartwegii* (Vail) Schltr.
{In Wiggins as Sarcostemma cynanchoides Decne. subsp. hartwegii (Vail) R.W. Holm; syn = Funastrum cynanchoides (Decne.) Schltr. var. hartwegii (Vail) Krings, Sarcostemma cynanchoides Decne. var. hartwegii (Vail) Shinners, Funastrum heterophyllum (Torr.) Standl., Philibertia linearis A. Gray.}
{BC: Hastings 113 (SD 92249); BCS: F. Gander 9780 (SD 29472)}
This relatively common, native vine is most frequently found in nw BC but ranges from Tecate south to the s SGIG in BCS. 
Ecoregions: CSS, CHA, CMT, CSU, CD, GI, MAG; Wider distr.: SON, SIN, n Mexico, AZ, CA, NM, TX, UT
CLIMBING MILKWEED, HARTWEIG TWINEVINE; GUÍROTE

*Funastrum hirtellum* (A. Gray) Schltr.
{In Wiggins as Sarcostemma hirtellum A. Gray} R.W. Holm
{BC: Rehman 3138 (SD 139703)}
In our region, this rare species occurs in low desert areas of ne BC from Mexicali to San Felipe. 
Ecoregions: LCD; Wider distr.: AZ, CA, NV
TRAILING TOWNULA, Hairy TWINEVINE

*Funastrum pannosum* (Hemsl.) Schltr.
{In Wiggins as Sarcostemma pannosum Decne.; syn = Philibertia tomentella Brandegee}
{BCS: M. Domínguez L. 4148 (SD 189181)}
This species is endemic to our region and occurs mostly on sandy substrates along the western side of the peninsula from San Quintín in nw BC south to Bahía de Magdalena and on the adjacent Magdalena and Santa Margarita islands. 
Ecoregions: CSU, CD, VD, MAG
WHITE TWINEVINE

*Mandevilla hesperia* (I.M. Johnst.) A.O. Simões, Kin.-Gouv. & M.E. Endress
{In Wiggins as Macrosiphonia hesperia I.M. Johnst.; syn = Telosiphonia hesperia I.M. Johnst.}
This BCS endemic occurs mostly along the eastern side of the peninsula and adjacent Gulf islands from the SGUI and San Marcos Island south to the SGG and Cerralvo Island.

Ecoregions: GCD, GIG, MAG, CPL
Mountain-Jasmine; Jazmín de la Sierra, Jazmín de Monte

*Marsdenia carterae* W.D. Stevens & Juarez-James


BCS endemic.

{BCS: Rebman 5705 (SD 143140)}

This rare BCS endemic occurs in the SGG from Agua Verde south to to the vicinity of Cerro Mchudo.

Ecoregions: GCD, GIG

*Carter Milkweed*

*Matelea arizonica* (A. Gray) Shinners

[Syn = *Gonolobus arizonicus* (A. Gray) Woodson]

{BC: T.S. Brandegee s.n., 1889 (UC (type?) cited in MO record, as Gonolobus arizonicus); BCS: Hodgson 8150 (SD 138432)}

This very rare native vine occurs in our region in the SLIB in s BC and in the SSF in n BCS.

Ecoregions: CD; Wider distrib.: SON, AZ

Arizona Milkweed

*Matelea chrysantha* (Greenm.) Woodson

{BC: León de la Luz 2261 (HCIB 914)}

This species is only known from one specimen in our region near Santiago in the Cape region of BCS that needs to be verified and may possibly be *M. pringlei*.

Ecoregions: CPL; Wider distrib.: SIN, c Mexico

Golden Milkweed

*Matelea cordifolia* (A. Gray) Woodson

{BC: Rebman 17280 (SD 194553); BCS: Rebman 4464 (SD 141744)}

This uncommon native vine occurs from the SBOR and SLIB in s BC south to the Cape region of BCS.

Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON, SIN, CHI, AZ

Sonoran Milkweed, Heart-Leaf Milkweed Vine; Talayote, Güirote

*Matelea fruticosa* (Brandegee) Woodson

[Syn = *Rothrockia fruticosa* Brandegee]

BCS endemic.

{BC: Rebman 7626 (SD 157994)}

This very rare BCS endemic species seems to be restricted to the SGG near Agua Verde and the Cape region.

Ecoregions: GIG, CPL, CPM

Shrubby Milkweed; Talayote

*Matelea hastulata* (A. Gray) Sundell


[Syn = *Lachnostoma hastulatum* A. Gray, Gonolobus hastulatus (A. Gray) A. Gray, Matelea hastatala (orthographic error in epithet when transferred to Matelea)]


{BC: Moran 24823 (SD 98200); BCS: M. Domínguez L. 3477 (SD 160158)}

This species is endemic to our region and ranges from the lower eastern slopes of the SJ in n BC south to the SSF in n BCS. This species was previously thought to be a synonym of *M. parvifolia*, but differs in pubescence, corolla and crown morphology.

Ecoregions: CHA, CSU, LCD, CD, RD

Baja California Spearleaf; Talayote

*Matelea parvifolia* (Torr.) Woodson


{Syn = *Gonolobus parvifolius* Torr., *Gonolobus californicus* Jeps.}

{BC: R.F. Thorne 61718 (MO 3333082); BCS: Moran 20000 (SD 92477)}

The specimens identified as this from the w VPEN of BCS likely represent a new, undescribed taxon. This species is to be expected in the n SJ of extreme n BC, but specimens identified as this from that area are often mis-IDs of *M. hastulata*.

Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON

Pringle Milkweed; Talayote

*Matelea pringlei* (A. Gray) Woodson

{BC: C.F. Harbison s.n., 10 Apr 1947 (SD 41712); BCS: F. Gander 9689 (SD 29381)}

This species occurs along the eastern side of the peninsula from near Bahía de Los Angeles in se BC to the Cape region of BCS and on various adjacent Gulf islands.

Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON

Guadalupe Milkweed; Talayote, Guitore Triste

*Matelea umbellata* (Brandegee) Woodson

[Syn = *Rothrockia umbellata* Brandegee]

BCS endemic.

{BC: Rebman 5579 (SD 143139)}

This very rare BCS endemic occurs in the SLL and specimens from the Cape region identified as *M. caudata* are likely mis-IDs of this species.

Ecoregions: CPL, CPM

Cape Milkweed; Talayote


*Metastelma californicum* Benth.

{Syn = *Cynanchum californicum* (Benth.) Moran}

{BC: Moran 17032 (SD 77047); BCS: Rebman 5729 (SD 143138)}

This rather common and widespread vine ranges from near San Carlos in w BC south to the Cape region of BCS and on various adjacent islands in both the Pacific (Magdalena & Santa Margarita) and the Gulf (Catalina).

Ecoregions: CD, VD, GIG, CPL; Wider distrib.: SON

Spearleaf Milkweed; Talayote

*Baja California Milkweed Vine*

*Metastelma minutiflorum* Wiggins

{Syn = *Cynanchum sonorense* Moran}

{BC: Moran 9141 (SD 66120)}

This very rare native species is only known from our region with one historical specimen collected on Carmen Island in the Gulf on 4 Apr 1962 in BCS.

Ecoregions: GCD (Carmen Island); Wider distrib.: SON

Small-Flower Milkweed Vine
**Metastelma pringlei** A. Gray  
[syn = Cynanchum pringlei (A. Gray) J. Henrickson]  
{BC: M. Salazar 4030 (SD 234793); BCS: Rebman 4038 (SD 141745)}  
This native species is rare in our region and occurs at least in the central portions of the peninsula in the SLIB of s BC and the SGUAD of n BCS. Many specimens identified as this are mis-IDs so the exact distribution in our area is unknown.  
Ecoregions: VD, GCD, GIG, CPL; Wider distrib.: SON, CHH, COA, DUR, TX  
**PRINGLE SWALLOW-WORT**  

**Metastelma schaffneri** A. Gray  
[syn = Metastelma multiflorum S. Watson]  
{BC: Wiggins 15628 (ARIZ)}  
This very rare native species is only known from our region with one historical specimen collected at Punta San Lorenzo approx. 25 miles east of La Paz on 26 Nov 1959 in BCS.  
Ecoregions: CSS, CPL; Wider distrib.: Native to Mediterranean area; SON, planted worldwide and naturalizes occasionally  
**SCHAFFNER MILKWEED VINE**  

*Nerium oleander* L.  
{BC: Moran 29880 (SD 110135); BCS: M.E. Jones 27340 (POM 190764)}  
This non-native shrub is commonly planted as an ornamental throughout the peninsula and rarely naturalizes, especially in nw BC.  
Ecoregions: CSS, CPL; Wider distrib.: Native to Mediterranean area; SON, naturalized in most states  
**OLEANDER**  

**Plumeria rubra** L.  
{In Wiggins as Plumeria acutifolia Poir.; syn = Plumeria mollis Kunth]  
{BC: D.F. Howe 4425 (SD 80695)}  
This uncommon native tree occurs in the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, CHH, s Mexico to tropical America  
**FRANGIPANI, PLUMERIA, CAJALOŠÚCHIL, CAJALOŠOCHO, FRANGIPANI, JACALOŠÚCHIL, CAJALOŠÚCHITL**  
**Seutera palmeri** (S. Watson) Fishbein & W.D. Stevens var. palmeri  
{In Wiggins as Cynanchum palmeri (S. Watson) S.F. Blake; syn = Cynanchum mulegense Wiggins]  
{BC: Moran 9347 (SD 66149)}  
This uncommon BCS endemic vine occurs from Mulegé and San Marcos Island in the Gulf south along the eastern side of the peninsula to the southern Cape region. It also occurs on various adjacent southern Gulf islands.  
Ecoregions: GCD, GI, MAG, CPL  
**PALMER SWALLOW-WORT; TALAYOTE**  

**Vallesia glabra** (Cav.) Link.  
{BC: A. Carter 2962 (SD 135932); BCS: Rebman 1683 (SD 137312)}  
This relatively common native shrub occurs from extreme s BC near Santa Gertrudis south to the Cape region of BCS and on Carmen Island in the Gulf.  
Ecoregions: CD, LD, GCD, GI, MAG, CPL; Wider distrib.: SON, SIN, s Mexico, South America  
**PEARLBEERRY, VALLESIA; OTATAVE, HUITATAVE, CRUCECILLO**  

**Vallesia laciniata** Brandegee  
{BC: Rebman 17272 (SD 194551); BCS: Moran 23905 (SD 95360)}  
This rare native shrub occurs in the mountains of the central peninsula from the SBOR & SLIB in s BC to the SSF, SGUAD, & SGIG in BCS.  
Ecoregions: CD, GI, GCD, MAG, CPL; Wider distrib.: SON  
**HABY VALLESIA; OTATAVE, HUITATAVE, ALEMAN, CHICOTE**  

**Apodanthaceae**  

**Pilostyles thurberi** A. Gray  
{BC: Hodgson 8826 (SD 144988)}  
This very rare native species occurs in ne BC from Mexicali to San Felipe. It is an endoparasite that uses Psorothamnus emoryi var. emoryi as its host plant. This species was previously recognized in the Rafflesiaceae.  
Ecoregions: LCD; Wider distrib.: SON, CHH, AZ, CA, NM, TX  
**THURBER PILOSTYLES**  

**Aquifoliaceae**  

**Ilex brandegeeeana** Loes.  
{syn = Ilex triflora Brandegee}  
{BC: León de la Luz 3777 (RSA 51302)}  
This rare native shrub has multiple flowers at each leaf axil and occurs at higher elevations in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SIN, NAY, CHP  
**BRANDEEGEE HOLLY; MANZANITA, PALO EXTRAÑO**  

**Ilex toluca** Hemsl. var. *californica* Brandegee  
{In Wiggins as Ilex toluca Hemsl.; syn = Ilex californica Brandegee}  
BCS endemic.  
{BC: León de la Luz 3350 (SD 149021)}  
This rare BCS endemic shrub has solitary flowers at each leaf axil and occurs at higher elevations in the Cape region.  
Ecoregions: CPM  
**BAJA CALIFORNIA HOLLY; PALO EXTRAÑO, ORILLA DE ARROYO**  

**Araliaceae**  

**Aralia scopulorum** Brandegee  
LC endemic.  
{BC: Moran 11554 (SD 59762); BCS: Henrickson 9017 (SD 115923)}  
This tree species is endemic to our region and occurs in mountains from the SLIB in s BC south to the SLL in BCS.  
Ecoregions: CD, GCD, GI, CPM  
**BAJA CALIFORNIA ÁNGELICA TREE; SACILLO, SAUCO**  

**Hedera canariensis** Willd.  
{syn = Hedera helix L. subsp. canariensis (Willd.) Cout.}  
{BC: Moran 29477 (SD 108559)}
This is a commonly planted non-native vine that rarely naturalizes in nw BC near urban areas.  
Ecoregions: CSS; Wider distrib.: Native to Macronesia, introduced widely as a horticultural vine and naturalizing in some areas worldwide  
**Algerian Ivy, Canary Islands Ivy; Hiedra**

**Hydrocotyle ranunculoides** L.f.  
Status in CFP: 2B.  
{BC: Moran 14337 (SD 79698)}  
This native wetland species occurs mostly in the SJ & SSPM of nw BC, but also at lower elevation near San Quintin.  
Ecoregions: CHA, COA, COL, w, s, & e USA, South America, s Africa  
Floating Marsh-Pennywort

**Hydrocotyle umbellata** L.  
{BC: Rea 1568 (SD 166694); BC: Thomas 7915 (SD 49999)}  
This rare native species occurs mostly in wetlands of the Cape region of BCS, but has also been documented on Cedros Island in the Pacific. This species should be looked for in other wet areas of nw BC.  
Ecoregions: PI (Cedros), CPL, CPM; Wider distrib.: SON, SIN, CHH, s Mexico, CA, OR, e USA, South America  
Many-Flower Marsh-Pennywort

**Hydrocotyle verticillata** Thunb.  
Status in CFP: 2B.  
{BC: Moran 22284 (SD 91718); BC: Rehman 7512 (SD 159119)}  
This uncomon native species occurs in nw BC from San Vicente to San Quintin and in the SLIB of s BC. It also ranges south to wetlands in n BCS and rarely in the Cape Mountains of s BCS.  
Ecoregions: CSS, CHA, CSU, CD, VD, CPM; Wider distrib.: SON, CHH, COA, COL, w, s, & e USA, South America, s Africa  
Floating Marsh-Pennywort, Water Pennywort

**Asteraceae**


**Achillea millefolium** L.  
{In Wiggins as Achillea millefolium var. californica (Poll.) Jeps., Achillea millefolium var. lanulosa (Nutt.) Piper; syn = Achillea bo- realis Bongard}  
{BC: Moran 14180 (SD 79599)}  
This native species occurs mostly in the upper foothills and mountains of the SJ & SSPM in nw BC. This widespread and highly variable species has historically been separated into various infraspecies, but most authors do not recognize them currently.  
Ecoregions: CSS, CHA, CMT; Wider distrib.: Native to SON & much of North America, circumboreal, introduced and naturalizing in other parts of Mexico and worldwide  
**Yarrow, Milfoil**

**Achyrachaena mollis** Schauer  
Status in CFP: 2A.  
{BC: M.E. Jones s.n., 7 Apr 1882 (POM 30562)}  
This very rare native species is only known from one historical speci-men in our region collected in the vicinity of Ensenada in nw BC.  
Ecoregions: CSS; Wider distrib.: CA, OR  
**Blow-Wives**


**Acourtia microcephala** DC.  
{In Wiggins as Perezia microcephala (DC.) A. Gray}  
{BC: Moran 29085 (SD 105978)}  
This uncommon native species occurs in nw BC from Tecate south to the vicinity of San Quintin and the SSPM.  
Ecoregions: CSS, CHA; Wider distrib.: CA  
**Sacapelote, Small-Head Perezia; Sacapelote**

**Acourtia palmeri** (S. Watson) Reveal & R.M. King  
{In Wiggins as Perezia palmeri S. Watson}  
LC endemic.  
{BC: Moran 7991 (SD 60629); BCS: Henrickson 8952 (SD 115895)}  
This species is endemic to our region and occurs mostly in moun-tains of the central peninsula from the SBOR in s BC to the SGUAD in n BCS. It was recently vouchered from Angel de la Guarda Island in the Gulf.  
Ecoregions: CD, GCD, GIG  
**Palmer Perezia**

**Acourtia pinetorum** (Brandegee) Reveal & R.M. King  
{In Wiggins as Perezia pinetorum Brandegee}  
BCS endemic.  
{BC: M. Domínguez L. 1745 (SD 140714)}  
This BCS endemic species occurs in the s SGIG and in the Cape region.  
Ecoregions: GIG, CPL, CPM  
**Cape Perezia**

**Acroptilon repens** (L.) DC.  
{syn = Centaurea repens L., Rhaponticum repens (L.) Hidalgo}  
{BC: Moran 29748 (SD 108611)}  
This invasive non-native species occurs in extreme n BC in the n SJ.  
Ecoregions: CMT; Wider distrib.: Native to c Asia, introduced and naturalized in SON and in most of c & w North America  
**Russian Knapweed**


**Adenophyllum porophylloides** (A. Gray) Strother  
{In Wiggins as Dyssodia porophylloides A. Gray}  
{BC: Moran 30789 (SD 111253); BCS: Moran 18718 (SD 80304)}  
This native species occurs from the SJ in n BC south to V3V and the w VPEN in n BCS.  
Ecoregions: CHA, LCD, CD, VD; Wider distrib.: SON, AZ, CA, NV  
**San Felipe Dyssodia, San Felipe Dogweed**

**Adenophyllum speciosum** (A. Gray) Strother  
{In Wiggins as Dyssodia speciosa A. Gray}  
BCS endemic.  
{BC: Vinton 17 (SD 139348)}  
This BCS endemic species occurs at lower elevations of the Cape region and on adjacent Espiritu Santo Island.  
Ecoregions: GCD, CPL  
**Cape Dogweed; Hiediondilla, Cempasúchil**

**Adenoanthus validus** (Brandegee) Keck  
{syn = Madia valida Brandegee}  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 16238 (SD 71984)}  
This very rare BC endemic, monotypic genus occurs only in a few populations from La Misión south to the Colonet area in nw BC.
**Ageratina herbacea** (A. Gray) R.M.King & H. Rob.  
[syn = Eupatorium herbaceum (A. Gray) Greene]  
Status in CFP: 2B; Listed: CNPS 2.3.  
{BC: Moran 18529 (SD 84688)}  
This native species occurs rarely at higher elevations in the SJ & SSPM of nw BC, plus one collection from the SLIB in s BC.  
Ecoregions: CMT, CD; Wider distrib.: SON, CHH, COA, sw USA  
FRAGRANT SNAKEROOT

**Ageratina occidentalis** (Hook.) R.M. King & H. Rob.  
{In Wiggins as Eupatorium occidentale Hook.}  
{BC: Wiggins 4883 (UC 562799)}  
This species is very rare in our region and only known from the high elevations of the SSPM in nw BC.  
Ecoregions: CMT, Wider distrib.: w USA  
WESTERN SNAKEROOT

**Ageratina purpusii** (Brandegee) R.M. King & H. Rob.  
{In Wiggins as Eupatorium purpusii Brandegee}  
BCS endemic.  
{BC: Hodgson 8221 (SD 138409)}  
This very rare BCS endemic occurs in the SSF, SGIG, & SLL.  
Ecoregions: CD, GIG, CPL, CPM  
PURPUS SNAKEROOT

**Ageratina viscosissima** (Rolfe) R.M. King & H. Rob.  
{In Wiggins as Eupatorium viscosissima Rolfe}  
BCS endemic.  
{BC: Rehmman 5238 (SD 142338)}  
This rare BCS endemic species is very similar to A. purpusii but has dense glandular hairs on its herbage and ranges from the SSF south to the Cape region.  
Ecoregions: CD, GIG, CPL, CPM  
STICKY SNAKEROOT

**Agoseris grandiflora** (Nutt.) Greene var. *grandiflora*  
Status in CFP: 2B.  
{BC: R.F. Thorne 62404 (RSA 395006)}  
This native species is very rare in our region and has only been collected once on 26 May 1978 in the SJ south of Laguna Hanson in nw BC.  
Ecoregions: CMT; Wider distrib.: w USA  
LARGE-FLOWER AGOSERIS

**Agoseris heterophylla** (Nutt.) Greene var. *heterophylla*  
Status in CFP: 2B.  
{BC: Moran 28874 (SD 105896)}  
This native annual is rare in our region and known from the SJ & SSPM in nw BC, plus historical specimens on Guadalupe Island.  
Ecoregions: CHA, CMT, PI (Guadalupe); Wider distrib.: SON, w USA, sw Canada, introduced in Europe  
WOODLAND AGOSERIS  

**Aldama brandegeei** (A.M. Carter) E.E. Schill. & Panero  
{In Wiggins as Alvordia brandegeei A.M. Carter}  
BCS endemic.  
{BC: A. Carter 4442 (SD 68515)}  
This BCS endemic species in only known from the southern tip of the Cape region.  
BCS endemic.

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**Aldama dentata** La Llave ex La Llave  
{BCS: León de la Luz 4963 (HCIB 1560)}  
In our region, this species is very rare and known only from the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, NAY, s Mexico, Central America  
TOOTED ALDAMA; GARAÑONA, HIERBA AMARILLA, LENGUA DE CHIVA

**Aldama fruticosa** (Brandegee) E.E. Schill. & Panero  
{In Wiggins as Alvordia fruticosa Brandegee; syn = Alvordia angusta Blake, Alvordia fruticosa Brandegee var. angusta (Blake) Wiggins}  
BCS endemic.  
{BC: A. Carter 4445 (SD 68517)}  
This BCS endemic species is known only from the western Cape region.  
Ecoregions: CPL  
WESTERN CAPE ALDAMA

**Aldama glomerata** (Brandegee) E.E. Schill. & Panero var. *insula-ris* (A.M. Carter) ?  
{In Wiggins as Alvordia glomerata Brandegee var. insularis A.M. Carter}  
BCS endemic.  
{BC: Moran 9350 (SD 66048)}  
This BCS endemic variety occurs mostly on the southern Gulf islands, but also in the s SGIG. Note that the nomenclatural combination for this infraspecies under the genus *Aldama* has not yet been formally published.  
Ecoregions: GCD, GIG, MAG; Wider distrib.: SON  
BAJA CALIFORNIA ALDAMA

**Aldama glomerata** (Brandegee) E.E. Schill. & Panero var. *insularis* (A.M. Carter) ?  
{In Wiggins as Alvordia glomerata Brandegee var. insularis A.M. Carter}  
BCS endemic.  
{BC: Rehmman 4038 (SD 144402); BCS: Rehmman 4685 (SD 141906)}  
This species occurs mostly in our region on volcanic substrates from the vicinity of Mesa San Carlos south to the s SGIG with rare, disjunct populations in San Diego County (Camp Pendleton) and Sonora.  
Ecoregions: CSU, CD, GIG; Wider distrib.: SON, CA (San Diego County)  
LA PURISIMA SUNFLOWER; OREJA DE LIEBRE  

**Aldama brandegeana** (Rose) Rydb.  
{syn = Perityle brandegeana Rose}  
LC endemic.  
{BC: Rehmman 4882 (SD 144796); BCS: Moran 19651 (SD 92447)}  
This endemic species occurs from the Central Desert south to Magdalena Island.
**Ambrosia ambrosioides** (Cav.) W.W. Payne

[syn = Franseria ambrosioides Cav.]

{BC: Hodgson 8236 (SD 138428); BCS: Moran 7277 (SD 63849)}

This common native species occurs from near Catavina in c BC south to the Cape region of BCS. It also occurs rarely in nw BC in the vicinity of Santo Tomás.

Ecoregions: CSS, CD, VS, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, CHH, DUR, CA, AZ

CANYON RAGWEED, BUR-SAGE; CHICURA DEL ARROYO, CHICURA

**Ambrosia chrysanthemoides** (L.) W.W. Payne

{syn = Franseria chrysanthemoides Cav.}

{BC: Hodgson 8265 (SD 138427); BCS: Rehm 3605 (SD 141064)}

This species occurs rarely in BCS. The specimens from BCS identified as this species need to be verified that they are not *A. confertiflora*.

Ecoregions: CSS, CD, VS, GIG, MAG, CPL

BRYANT BUR-SAGE; ALFILERILLO, CHICURA

**Ambrosia camphorata** (Greene) W.W. Payne


{BC: Moran 6601 (SD 48276); BCS: D.F. Howe 3752 (SD 60902)}

This species is endemic to our region and occurs from El Rosario in western BC south to the northern Cape region and on adjacent southern Pacific & Gulf islands.

Ecoregions: CSS, CD, VS, GIG, MAG, CPL

CAMPHOR BUR-SAGE; ESTAFATE, ESTAFATE

**Ambrosia canescens** A. Gray

{BC: León de la Luz 9479 (HCIB 12082)}

This species occurs rarely in BCS. The specimens from BCS identified as this species need to be verified that they are not *A. confertiflora*.

Ecoregions: GCD, MAG; Wider distrib.: SON, n-c Mexico, AZ

GRAY BUR-SAGE

**Ambrosia cardua** (Greene) W.W. Payne

[syn = Franseria cardua Greene, Franseria arborescens Brandegee, Franseria saniae-gertrudis Rydb., Franseria acerifolia M.E. Jones] Status in CFP: 2B.

{BC: Moran 7551 (SD 50874); BCS: A. Carter 3109 (SD 48094)}

This native species is widespread in BC & BCS with disjunct populations in Sonora. It occurs from the ne SSPM in n BC south to the Cape region of BCS.

Ecoregions: CSS, CD, VS, GIG, MAG, CPL, CPM; Wider distrib.: SON, TEE, BUR-SAGE; CHICURA

**Ambrosia chamissonis** (Less.) Greene

[syn = Franseria chamissonis Less.] Status in CFP: 2B.

{BC: Moran 17457 (SD 74923)}
This uncommon native species occurs along the immediate Pacific coast of nw BC & on the adjacent Pacific islands of San Martín & Cedros mostly on beach sand dunes. Ecoregions: CSS, CSU, PI (San Martín, Cedros); Wider distrib.: w USA, sw Canada, introduced to western South America BEACH-BUR

**Ambrosia chenopodiifolia** (Benth.) W.W. Payne
[syn = Franseria chenopodiifolia Benth., Franseria lancifolia Rydb.]
[Listed: CNPS 2.1.
(BC: Moran 17018 (SD 76980); BCS: A. Gilbert s.n., 17 Apr 1987 (SD 131276)]
This common native species occurs in our region from near La Misión in nw BC south to the vicinity of Bahía de Magdalena in w BCS. It also occurs on the Pacific islands of Cedros, Santa Margarita, & Magdalena and on Ángel de la Guarda Island in the Gulf. Ecoregions: CSS, CSU, PI (Cedros), CD, VD, MAG; Wider distrib.: SON, extreme sw San Diego County of CA SAN DIEGO BUR-SAGE; HUIZAPOL, MISAPOL, ESTAFIATE, ISTAFIATE

**Ambrosia conferiflora** DC.
[syn = Franseria conferiflora (DC.) Rydb., Franseria striigulosa Rydb.]
(BC: Rebman 6482 (SD 148607); BCS: Rebman 4313 (SD 148607))
This widespread & common native species occurs from Tijuana and the n SJ in nw BC south to the Cape region of BCS. Ecoregions: CSS, CSU, LCD, CD, VD, GCD, MAG, CPM; Wider distrib.: SON, SIN, CHH, c Mexico, sw USA WEAK-LEAF RAGWEED, SLIM-LEAF RAGWEED; ESTAFIATE, ISTAFIATE

**Ambrosia cordifolia** (A. Gray) W.W. Payne
[syn = Franseria cordifolia A. Gray]
{BC: Rebman 4668 (SD 141919)}
In our region, this very rare species is only known to occur in the SGUAD of n BCS. Ecoregions: GIG; Wider distrib.: SON, SIN, CHH, SLP, AZ SONORAN BUR-SAGE, HEART-LEAF BUR-SAGE

**Ambrosia deltoidea** (Torr.) W.W. Payne
[syn = Franseria deltoidea Torr.]
(BC: Rebman 3186 (SD 139354); BCS: Chambers 806 (SD 78484))
This native species is rather rare in our region with populations in the west-central portion of the peninsula that range from the sw SLIB in s BC south to Bahía de Magdalena in w BCS. Ecoregions: CD, VD, MAG; Wider distrib.: SON, AZ TRIANGLE-LEAF BUR-SAGE; CHAMIZO FORRAJERO

**Ambrosia divaricata** (Brandeegee) W.W. Payne
[syn = Franseria divaricata Brandeegee]
(BC: Moran 12587 (SD 64939); BCS: Moran 20109 (SD 92503))
This species was originally considered to be endemic to our region ranging from El Barril in se BC south to the s MAG near La Paz, but has various populations in Sonora and on Tiburon Island. Ecoregions: CD, VD, GCD, MAG; Wider distrib.: SON VIZCAINO BUR-SAGE

**Ambrosia dumosa** (A. Gray) W.W. Payne
[syn = Franseria dumosa A. Gray]
(BC: Moran 12358 (SD 64960); BCS: Moran 16700 (SD 72932))
This native species occurs mostly in the central and northeastern portions of the peninsula ranging from Mexicali in ne BC south to Laguna San Ignacio in nw BCS with disjunct populations in the southern MAG region near La Paz. It also occurs on Ángel de la Guarda and San Lorenzo islands in the Gulf. Ecoregions: LCD, CD, VD, MAG; Wider distrib.: SON, sw USA WHITE BUR-SAGE, BURRO-WEEED, BURRORUSH; HUIZAPOL, HIERBA DEL BURRO, CHAMIZO

**Ambrosia dumosa × A. chenopodiifolia** BC endemic.
{BC: J. Delgadillo s.n., 22 Apr 2002 (BCMEX 11904)}
This is a very rare interspecific hybrid that occurs in the n CD area in BC. Ecoregions: CD HYBRID WHITE BUR-SAGE

**Ambrosia dumosa × A. ilicifolia** BC endemic.
{BC: Rebman 5894 (SD 145410)}
This is a very rare interspecific hybrid known only from Ángel de la Guarda Island in the Gulf. Ecoregions: CD HYBRID HOLLY-LEAF BUR-SAGE

**Ambrosia flexuosa** (A. Gray) W.W. Payne
BC endemic. Status in CFP: 1B, 5.
{BC: Charlton 1345 (SD 126050)}
This BC endemic species occurs mostly in the SJ area with some populations in San Matías Pass & on the east side of the SSPM of n BC. Ecoregions: CHA, CMT, LCD SIERRA JUAREZ BUR-SAGE

**Ambrosia humi** J.L. León de la Luz & Rebman
BCS endemic.
{BC: M. Domínguez L. 4009 (HCIB 23216)}
This very rare BCS endemic species is only known to occur on one large mesa in the s SGIG. Ecoregions: GIG HUMI MESA BUR-SAGE

**Ambrosia ilicifolia** (A. Gray) W.W. Payne
[syn = Franseria ilicifolia A. Gray]
{BC: Brey 169 (SD 133643)}
This uncommon native species occurs from Mexicali in ne BC south to Bahía de Los Angeles and on the adjacent northern Gulf islands of Ángel de la Guarda and San Lorenzo. Ecoregions: CMT, LCD, CD; Wider distrib.: SON, AZ, CA HOLLY-LEAF BUR-SAGE

**Ambrosia magdalenaecae** (Brandeegee) W.W. Payne
[syn = Franseria magdaleneae Brandeegee, Franseria intricata Rydb.]
{BC: Moran 12664 (SD 64958); BCS: Moran 19877 (SD 92502)}
This native species occurs mostly in the central portions of the peninsula ranging from Mesa San Carlos and Cataviña in e BC south to near La Paz in BCS. It also occurs on the adjacent Pacific islands of Cedros, Magdalena, & Santa Margarita and on Ángel de la Guarda Island in the Gulf with disjunct populations in western Sonora. Ecoregions: CSU, PI (Cedros), CD, VD, GCD, MAG; Wider distrib.: SON MAGDALENA RAGWEED; ESTAFIATE, ISTAFIATE

**Ambrosia monogyna** (Torr. & A. Gray) Strother & B.G. Baldwin
{In Wiggins as Hymenoelea monogyna Torr. & A. Gray}
[Listed: CNPS 2.2.
{BC: Moran 29387 (SD 106341); BCS: Rebman 4664 (SD 141911)}
This common and widespread native species usually occurs in arroyos and canyon bottoms and ranges from Tijuana in nw BC south
Ambrosia xplatyspina (Seaman) Strother & B.G. Baldwin

This taxon is rather rare in our region and occurs in the eastern foothills of the SJ. This taxon is rather rare in our region and occurs in the eastern foothills of the SJ.

Ecoregions: CSS, CSU, LCD, CD, VC, COA, widespread in USA & Canada

Ambrosia salsola (A. Gray) Strother & B.G. Baldwin var. pentalepis (Ryd.) Strother & B.G. Baldwin

This native species is rather uncommon in our region and occurs between Tijuana and Ensenada and in the foothills & mountains of the SJ in extreme nw BC.

Ecoregions: CSS, CHA, CMT; Wider distr.: SON, SIN, CHH, COA, throughout most of USA & Canada

San Diego Ragweed; Estafiate

Ambrosia psilostachya DC.

This native species is rather uncommon in our region and occurs between Tijuana and Ensenada and in the foothills & mountains of the SJ in extreme nw BC.

Ecoregions: CSS, CHA, CMT; Wider distr.: SON, SIN, CHH, COA, throughout most of USA & Canada

Ambrosia ×platyspina (Seaman) Strother & B.G. Baldwin

[In Wiggins as Hymenoclea platyspina Seaman]

BC endemic.

{BC: Rebman 5899 (SD 145404)}

A very rare interspecific hybrid between Ambrosia dumosa and A. salsola which occurs on Angel de la Guarda Island in the Gulf but could be expected anywhere the parent species overlap.

Ecoregions: CD

Hybrid Burrobrush

Ambrosia salsola (A. Gray) Strother & B.G. Baldwin var. pentalepis (Ryd.) Strother & B.G. Baldwin

[In Wiggins as Hymenoclea pentalepis Rydb.]

{BC: Hodgson 8254 (SD 138407); BCS: B. Mackintosh s.n., 21 Feb 1969 (SD 70710)}

This rare native species usually occurs only in dry lake bed areas and vernal pools disjunctly from Colonet in nw BC south to near Laguna San Ignacio in nw BCS.

Ecoregions: CSU, CD, VC; Wider distr.: s CA

San Diego Mayweed; Stinkweed, Dog Fennel

Ambrosia ×platyspina (Seaman) Strother & B.G. Baldwin

[In Wiggins as Hymenoclea platyspina Seaman]

BC endemic.

{BC: Rebman 5899 (SD 145404)}

A very rare interspecific hybrid between Ambrosia dumosa and A. salsola which occurs on Angel de la Guarda Island in the Gulf but could be expected anywhere the parent species overlap.

Ecoregions: CD

Hybrid Burrobrush

Ambrosia psilostachya DC.

This native species is rather uncommon in our region and occurs between Tijuana and Ensenada and in the foothills & mountains of the SJ in extreme nw BC.

Ecoregions: CSS, CHA, CMT; Wider distr.: SON, SIN, CHH, COA, throughout most of USA & Canada

San Diego Ragweed; Estafiate

Ambrosia salsola (A. Gray) Strother & B.G. Baldwin var. pentalepis (Ryd.) Strother & B.G. Baldwin

[In Wiggins as Hymenoclea pentalepis Rydb.]

{BC: Hodgson 8254 (SD 138407); BCS: B. Mackintosh s.n., 21 Feb 1969 (SD 70710)}

This rare native species usually occurs only in dry lake bed areas and vernal pools disjunctly from Colonet in nw BC south to near Laguna San Ignacio in nw BCS.

Ecoregions: CSU, CD, VC; Wider distr.: s CA

San Diego Mayweed; Stinkweed, Dog Fennel

Ambrosia salsola (A. Gray) Strother & B.G. Baldwin

[In Wiggins as Hymenoclea salsola Torr. & A. Gray, Hymenoclea salsola var. patula (A. Nelson) K.M. Peterson & W.W. Payne illegit.]

{BC: Moran 30771 (SD 111254)}

This taxon is rather rare in our region and occurs in extreme n BC in the eastern foothills of the SJ.

Ecoregions: CMT; Wider distr.: AZ, CA, NV, UT

Cheesebrush, Burrobrush

Anaphalis margaritacea (L.) Bentham & Hook.f.

{BC: Bustamante s.n. 5 Feb 1981 (BCMEX 1433)}

This very rare native species is expected to occur in nw BC and as an occasional garden escapee. The voucher specimen cited was collected in the desert areas of ne BC and needs to be verified. This species is often confused with species in the genus Pseudognaphalium.

Ecoregions: LCD; Wider distr.: widespread in USA & Canada

Pearly Everlasting

Anisocoma acaulis Torr. & A. Gray

Status in CFP: 2B.

{BC: Moran 27389 (SD 103650)}

This rare non-native species occurs in disturbed areas between Tijuana and Santo Tomás in nw BC.

Ecoregions: CMT, LCD; Wider distr.: AZ, CA, NV

Scale Bud

Antennaria parvifolia Nutt.

{BC: Moran 29732 (SD 108627)}

This rare non-native species occurs in disturbed areas between Tijuana and Santo Tomás in nw BC.

Ecoregions: CSS, CHA; Wider distr.: Native to Europe, introduced to Mexico, throughout most of USA & Canada

Mayweed, Stinkweed, Dog Fennel

Archibaccharis peninsularis S.F. Blake

BCS endemic.

{BCS: Rebman 4360 (SD 141732)}

This BCS endemic species occurs in mountains from the SSF south to the c SGIG and in the Sierra Cacachilas of the Cape region.

Ecoregions: CD, GIG

Baja California Archibaccharis

Archibaccharis serratifolia (Kunth) S.F. Blake

{syn = Hemibaccharis mucronata (Kunth) S.F. Blake}

{BCS: Rebman 4471 (SD 138766)}

This BCS endemic species occurs in mountains from the SSF south to the c SGIG and in the Sierra Cacachilas of the Cape region.

Ecoregions: CD, GIG

Baja California Archibaccharis

Artemisia californica (Torr. & A. Gray) Benth. & Hook.

Status in CFP: 2B.

{BC: Moran 30992 (SD 127530)}

This very rare native species occurs in disturbed areas between Tijuana and Santo Tomás in nw BC.

Ecoregions: CMT; Wider distr.: CHH, NLE, western USA, Canada

Small-Leaf Pussytoes, Nuttall’s Pussytoes

*Anthemis cotula L.*

{BC: Moran 29732 (SD 108627)}

This rare non-native species occurs in disturbed areas between Tijuana and Santo Tomás in nw BC.

Ecoregions: CSS, CHA; Wider distr.: Native to Europe, introduced to Mexico, throughout most of USA & Canada

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Artemisia californica (Torr. & A. Gray) Benth. & Hook.

Status in CFP: 2B.

{BC: Moran 30992 (SD 127530)}

This very rare native species occurs in disturbed areas between Tijuana and Santo Tomás in nw BC.

Ecoregions: CMT; Wider distr.: CHH, NLE, western USA, Canada

Small-Leaf Pussytoes, Nuttall’s Pussytoes

*Anthemis cotula L.*

{BC: Moran 29732 (SD 108627)}

This rare non-native species occurs in disturbed areas between Tijuana and Santo Tomás in nw BC.

Ecoregions: CSS, CHA; Wider distr.: Native to Europe, introduced to Mexico, throughout most of USA & Canada

Mayweed, Stinkweed, Dog Fennel

Archibaccharis peninsularis S.F. Blake

BCS endemic.

{BCS: Rebman 4360 (SD 141732)}

This BCS endemic species occurs in mountains from the SSF south to the c SGIG and in the Sierra Cacachilas of the Cape region.

Ecoregions: CD, GIG

Baja California Archibaccharis
Artemisia douglasiana  Besser  
{BC: Moran 21116 (SD 84521)}
This native species grows in wetlands and along riparian areas and occurs from Tecate south to the w SSPM in nw BC.
Ecoregions: CSS, CHA; Wider distrib.: w USA
MUGWORT

Artemisia dracunculus L. var. dracunculus  
{BC: Moran 24679 (SD 98502)}
This native taxon occurs in nw BC from Tijuana and the n SJ south to the s SSPM. This variety differs from var. glauca found in Sonora and other parts of Mexico by having larger capitulae, broader leaves, and a more robust habit.
Ecoregions: CSS, CHA, CMT, CSU, LCD; Wider distrib.: SON, midwestern USA
TARRAGON, DRAGON SAGEWORT, ESTRAGON

Artemisia ludoviciana Nutt. subsp. albula (Wooton) Keck  
[syn = Artemisia albula Woot, Artemisia ludoviciana var. albula (Woot.) Shinners]  
{BC: Moran 135581 (SD 63436); BCS: Moran 11722 (SD 59651)}
This native subspecies occurs mostly in the SJ & SSPM of nw BC, but also ranges south on various sky islands to the c SGIG of BCS.
Ecoregions: CSS, CHA, CMT, LCD, CD, GIG; Wider distrib.: SON, CHH, sw USA
SILVER WORMWOOD, WHITE SAGEBRUSH, WESTERN MUGWORT; CHAMizo CENIZO, ESTAFATE

Artemisia ludoviciana Nutt. subsp. incompta (Nutt.) Keck  
[syn = Artemisia ludoviciana var. incompta (Nutt.) Cronq.]  
{BC: Moran 14131 (SD 79680); BCS: Rebman 6057 (SD 144601)}
This rather rare native subspecies occurs in the SSPM, SASAM, & SLJB of BC and in the SGUAD of BCS.
Ecoregions: CMT, CD, GIG; Wider distrib.: w USA, w Canada
CUT-LEAF WHITE SAGEBRUSH, MOUNTAIN SAGEWORT

Artemisia ludoviciana Nutt. subsp. ludoviciana  
{BC: Moran 21522 (SD 89796)}
This native subspecies is rare in our region and occurs in the s SSPM of n BC.
Ecoregions: C/D; Wider distrib.: Throughout most of USA & Canada
SILVER SAGEWORT, WHITE SAGEBRUSH, SILVER WORMWOOD

Artemisia palmeri  A. Gray  
Status in CFP: 4, 6.  
{BC: Moran 22625 (SD 91482)}
This uncommon species grows at lower elevations near the coast and in lower foothills from Tijuana south to near San Vicente in extreme nw BC.
Ecoregions: CSS, CHA; Wider distrib.: sw San Diego County of CA
PALER SAGEWORT

Artemisia tridentata Nutt. subsp. tridentata  
[In Wiggins as Artemisia tridentata Nutt.]  
{BC: Moran 22730 (SD 136466)}
This native shrub occurs mostly in the foothills and mountains of nw BC ranging from the n SJ south to the s SSPM.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: w USA, w Canada
BASIN BIG SAGEBRUSH; CENIZA

Baccharis brachyphylla A. Gray  
{BC: Moran 24912 (SD 98261)}
This rare native shrub occurs mostly in the SJ of nw BC but has a disjunct population in s BC near Punta Prieta.
Ecoregions: CHA, LCD, VD; Wider distrib.: SON, CHH, AZ, CA, NM, NV, TX
SHORT-LEAF BACCHARIS

Baccharis glutinosa Pers.  
{syn = Baccharis douglasii DC.}  
Status in CFP: 2A.  
{BC: Moran 29439 (SD 106447)}
This species differs from B. salicifolia in being a rhizomatous perennial with minutely hairy fruits. It is very rare in our region and only known to occur in a marsh area near San Quintín in nw BC.
Ecoregions: CSU; Wider distrib.: CA, South America
MARSH BACCHARIS

Baccharis pilularis DC. subsp. consanguinea (DC.) C.B. Wolf  
{BC: C.F. Harbison s.n., 16 Dec 1953 (SD 45636)}
This native species occurs primarily in the area near San Quintín to El Rosario in our region but is expected elsewhere in nw BC.
Ecoregions: CSU; Wider distrib.: CA, OR
COYOTE BRUSH, CHAPARRAL BROOM

Baccharis salicifolia (Ruiz & Pav.) Pers. subsp. salicifolia  
{In Wiggins as Baccharis glutinosa Pers. (misappl.), Baccharis viminea DC.}  
{BC: Moran 21415 (SD 88120); BCS: Rebman 4605 (SD 141917)}
This widespread native shrub grows in wetland areas and occurs throughout most of the peninsula from Tijuana and Mexicali in n BC south to the Cape region of BCS.
Ecoregions: CSS, CHA, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, sw USA, South America
MULE-FAT, SLEEP-WILLLOW, WATER-WALLY; GUATAMOTE, BATAMOTE, HUATAMOTE, JARA BRAVA

Baccharis salicina Torr. & A. Gray  
{In Wiggins as Baccharis emoryi A. Gray}  
{BC: Moran 21418 (SD 88123)}
This uncommon native shrub occurs in n BC from La Misión and Mexicali south to the SSPM.
Ecoregions: CSS, CHA, CSU, LCD; Wider distrib.: SON, CHH, COA, DUR, sw USA
EMBER BACCHARIS

Baccharis sarothroides A. Gray  
{BC: Moran 18648 (SD 79909); BCS: Rebman 4600 (SD 141916)}
This widespread native shrub occurs throughout much of the peninsula from near Tijuana in nw BC & San Matías in n BC south to the Cape region of BCS and on Cedros Island in the Pacific.
Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, VD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, AZ, CA, NM
BROOM BACCHARIS, DESERT BROOM; ESCOBIA AMARGA, HERIBELA DEL PASMO, ROMERILLO

Baccharis sergiloides A. Gray  
{BC: Moran 18176 (SD 78968)}
This species occurs mostly in the SJ & SSPM in nw BC with a disjunct population in the SBOR of s BC.
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, AZ, CA, NV, UT
DESERT BACCHARIS; ESCOBIA AMARGA

Baeriopsis guadalupensis J.T. Howell  
BC endemic. Status in CFP: 1B, 5.
This is a rare endemic monotypic genus found only on Guadalupe Island in the Pacific.

**Ecoregions:** PI (Guadalupe)

**GUA D AL U E P A R E O P I S**


**Bahiopsis carterea** (E.E. Schill.) E.E. Schill. & Panero

[syn = *Viguiera carterea* E.E. Schill.]

BGS endemic.

{BC: Rebman 4574 (SD 141693)}

This rare species is endemic to n BCS in the SSF & SGUAD.

Ecoregions: CD, GIG

**Carter Goldeneye**

**Bahiopsis chenopodina** (Greene) E.E. Schill. & Panero

[In Wiggins as *Viguiera* deltoidea A. Gray var. chenopodina (Greene) S.F. Blake; syn = *Viguiera* chenopodina Greene]

{BC: Prigge 4670 (MO 4072308); BCS: A. Carter 4251 (SD 68578)}

This species is a near-endemic to BCS ranging from extreme s BC and the w VPEN south to the vicinity of La Paz and on the Pacific islands of Magdalena & Santa Margarita and various adjacent Gulf islands from Carmen south to Cerralvo. There are isolated populations outside of our region on Tiburon & Socorro islands.

Ecoregions: UD, GIG, MAG; Wider distrib.: SON, CHH, AZ, CA, NM, NV

**Chenopodina Goldeneye; Yerba Amarga, Ariosa**

**Bahiopsis deltoidea** (A. Gray) E.E. Schill. & Panero

[In Wiggins as *Viguiera* deltoidea A. Gray var. tastensis Brandegee; syn = *Viguiera* deltoidea A. Gray]

{BC: Moran 9375 (SD 66449)}

This species sensu stricto is endemic to the Cape region of BCS.

Ecoregions: CPL, CPM

**Goldeneye; Tacote, Tacote Chino**

**Bahiopsis laciniata** (A. Gray) E.E. Schill. & Panero

[In Wiggins as *Viguiera* laciniata A. Gray]

{BC: Moran 27172 (SD 102475); BCS: Hodgson 9615 (SD 145144)}

This species is almost a near-endemic to BC with populations in the SSF of n BCS, southern San Diego County, and a disjunct population in western Sonora.

Ecoregions: CSS, CHA, CSU, PI, CD, VD; Wider distrib.: SON, s San Diego County of CA

**San Diego Sunflower, San Diego Goldeneye; Margaritas, Flor de Mayo**

**Bahiopsis lanata** Kellogg

[In Wiggins as *Viguiera* lanata (Kellogg) A. Gray]


{BC: Moran 18142 (SD 77985); BCS: Moran 19970 (SD 92605)}

This species is endemic to our region and occurs on Cedros Island in the Pacific & on the w VPEN of n BCS.

Ecoregions: PI (Cedros), VD

**Cedros Goldeneye**

**Bahiopsis microphylla** (Vasey & Rose) E.E. Schill. & Panero

[In Wiggins as *Viguiera* microphylla Vasey & Rose]

LC endemic.

{BC: Webster 19655 (SD 97431); BCS: Moran 19872 (SD 92644)}

This species is endemic to our region in the west-central portion of the peninsula. It ranges from near Punta Prieta in s BC south to the vicinity of San Juanico in BCS.

Ecoregions: CD, VD

**Vizcaino Goldeneye**

**Bahiopsis parishii** (Greene) E.E. Schilling & Panero

[In Wiggins as *Viguiera* deltoidea A. Gray var. parishii (Greene) Vasey & Rose; syn = *Viguiera* parishii Greene]

{BC: Moran 25006 (SD 98126)}

This native species occurs mostly along the eastern slopes of the Peninsular ranges from the n SJ south to the n SSPM in n BC.

Ecoregions: CHA, CMT, LCD; Wider distrib.: SON, CHH, AZ, CA, NM, NV

**Parish Goldeneye; Yerba Amarga, Ariosa**

**Bahiopsis similis** (Brandegee) E.E. Schill. & Panero

[In Wiggins as *Viguiera* similis (Brandegee) S.F. Blake; syn = *Viguiera* similis Brandegee]

BCS endemic.

{BC: Moran 5784 (SD 143142)}

This BCS endemic species occurs at the higher elevations of the SLL in the Cape region.

Ecoregions: CPL

**Cape Goldeneye; Tacote de la Sierra, Girasol**

**Bahiopsis subincisa** (Benth.) E.E. Schill. & Panero

[In Wiggins as *Viguiera* subincisa Benth.]

BCS endemic.

{BC: Moran 10814 (SD 54214)}

This BCS endemic species occurs on Magdalena & Santa Margarita islands in the Pacific.

Ecoregions: MAG (Magdalena, Santa Margarita)

**Magdalena Goldeneye**

**Bahiopsis tomentosa** (A. Gray) E.E. Schill. & Panero

[In Wiggins as *Viguiera* tomentosa A. Gray]

BCS endemic.

{BC: Moran 21351 (SD 88087)}

This BCS endemic species occurs in the Cape region and on adjacent Cerralvo Island in the Gulf.

Ecoregions: GCD, CPL, CPM

**Fellet-Leaf Goldeneye; Tacote, Tacote Chino**

**Bahiopsis triangularis** (M.E. Jones) E.E. Schill. & Panero

[syn = *Viguiera* triangularis M.E. Jones]

Status in CFP: 2B, 10.

{BC: Moran 25029 (SD 98542); BCS: Rebman 4624 (SD 141692)}

This species is rather widespread in our region ranging from San Matías Pass in n BC south to the c SGIG and with disjunct populations on Magdalena Island & two Sonoran islands.

Ecoregions: CHA, CMT, CSU, LCD, CD, VD, GCD, GIG; Wider distrib.: SON (San Pedro Nolasco & San Estéban islands)

**Baja California Goldeneye; Tacote, Ramita de los Cantiles**

**Baileya multiradiata** Harvey & A. Gray ex Torr.

{BC: C.F. Harbison s.n. 16 Mar 1936 (SD 14999)}

This native species is rare in our region and occurs in the s SJ and n SSPM in the San Matías Pass area of n BC.

Ecoregions: CHA, LCD; Wider distrib.: SON, CHH, sw USA

**Many-Flower Desert-Marigold; Flor de Papel**

**Baileya pauciradiata** Harvey & A. Gray

{BC: D. Clemens 1603 (SD 120982)}

This uncommon native species occurs in ne BC from near Mexicali south to San Felipe.
Bailleya pleniradiata Harvey & A. Gray
{BC: Moran 24662 (SD 98515)}
This native species occurs mostly in n BC from Ensenada and the c SJ south to Catavina.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: SON, CHH, sw USA

Wooly Desert-Marigold

Bajacalia crassifolia (S. Watson) Loockerman, B.L. Turner & R.K. Jansen
[In Wiggins as Porophyllum crassifolium S. Watson; syn = Porophyllum tridentatum Benth. var. crassifolium (S. Watson) I.M. Johnst., Porophyllum leptophyllum I.M. Johnst.]
{BC: Moran 10393 (SD 54163); BCS: D.F. Howe 4452 (SD 80816)}
This species is a near-endemic that occurs along the eastern side of the peninsula ranging from Bahía de Los Angeles in n BC south to the SBOR in s BC and near Guerrero Negro in extreme nw BCS. It also occurs on Ángel de la Guarda Island in the Gulf.
Ecoregions: CSS, CSU, LCD, CD, UD, GCD; Wider distrib.: SON, SIN, sw USA

Rush Sweetbush; Hierba ceniza, apá

Bebbia juncea (Benth.) Greene var. juncea
[syn = Carphephorus junceus Benth.]
{BC: Dice 296 (SD 117080); BCS: Rebman 4635 (SD 141914)}
This near-endemic variety occurs from near El Barril in n BC south to the Cape region and on the Pacific islands of Cedros, Natividad, Magdalena & Santa Margarita. It also occurs on many adjacent southern Gulf Islands and has a disjunct population in western Sonora.
Ecoregions: PI, UD, UD, GCD, GIG, MAG, CPL; Wider distrib.: SON

Southern Rush Sweetbush; apá, Hierba ceniza


*Bidens alba* (L.) DC. var. radiata (Sch.-Bip.) Melchert
{In Wiggins as Bidens pilosa L. var. radiata Sch.-Bip.}
{BCS: L. Roberts s.n. 5 Jan. 2007 (SD 182605)}
This species is non-native to our region and occurs at lower elevations in the Cape region.
Ecoregions: CPL; Wider distrib.: SON, CHH, e & s Mexico, Central America

White Beggar’s Tick; aceitilla blanca

Bidens aurea (Ait.) Sherff
{BCS: León de la Luz 2793 (SD 126882)}
This species occurs in the SLL of BCS, but has been reported in BC by Turner (2010).
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, Central Mexico, introduced in Europe

Arizona Beggar’s Tick; aceitilla, te de jara

Bidens bigelovii A. Gray var. angustiloba (DC.) Melchert
[In Wiggins as Bidens amphicarpa Sherff]
{BCS: Rebman 5778 (SD 143152)}
This rare native species occurs in the SLL of BCS. Discoid forms of this taxon are often confused with B. pilosa. Plants of this species in our region have white rays.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, Central America

Narrow-lobe Beggar’s Tick; aceitilla

Bidens cabopulmensis León de la Luz & B.L. Turner
{BCS: J. Pérez Navarro 949 (HCIB 9771)}
This very rare BCS endemic was recently described and occurs only on dune habitats near Cabo Pulmo in the Cape region.
Ecoregions: CPL

Cabo pulmo Beggar’s Tick

Bidens cornuta Sherff
{BCS: M. Domínguez L. 452 (HCIB 3248)}
This very rare native species is only known from a couple of collections in the SLL of BCS. This species is very similar to B. leptcephala and differs by having discoid capitulae and achenes with 3 awns.
Ecoregions: CPM; Wider distrib.: SON, CHH

Chihuahuan Beggar’s Tick
Bidens heterosperma A. Gray
Status in CFP: 2B.
{BC: Moran 15609 (SD 69079)}
This species occurs in the SSPM of BC; specimens identified as this species in BCS are most likely B. lemmonei.
Ecoregions: CMT; Wider distrib.: SON, SIN, CHH, DUR, AZ, CO, NM
ROCKY MOUNTAIN BEGGAR’S TICK

Bidens laevis (L.) B.S.P.
[syn = Bidens elegans Greene, Helianthus laevis L.]
Status in CFP: 2B.
{BC: John A. Hall s.n., 15 Dec 1970 (SD 80996)}
This species is rare in nw BC; although the species is native to Mexico some populations are known to be introduced.
Ecoregions: CSU; Wider distrib.: SON, widespread in Mexico & the USA
SMOOTH BEGGAR’S TICK, BUR-MARIGOLD

Bidens lemmonei A. Gray
{BC: T.S. Brandegee s.n. 16 Oct. 1893 (POM 31259)}
This rare species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, n & c Mexico, AZ, NM
LEMMON BEGGAR’S TICK

Bidens leptocephala Sherff var. hammerlyae Sherff
(BCS: B. Hammerly 320 (type) (CAS 293843))
This very rare BCS endemic occurs only in the Cape region and differs from var. leptocephala by having longer, blackish fruits. Some specimens from BCS identified as B. cornuta may be this taxon.
Ecoregions: CPM
HAMMERLY BEGGAR’S TICK; ACEITILLA AMARILLA

Bidens leptocephala Sherff var. leptocephala
Status in CFP: 2B.
{BC: Moran 18637 (SD 79955); BCS: M.E. Jones 27748 (POM 193733)}
This species occurs mostly in the mountains of BC, but also in the SJ & SLIB of BC.
Ecoregions: CHA, CD, GIG, CPL; Wider distrib.: SON, SIN, CHH, COA, ZAC, QUE, JAL, AZ, NM
FLEW-FLOWER BEGGAR’S TICK; ACEITILLA AMARILLA

Bidens nudata Brandegee
BCS endemic.
{BC: Moran 3764 (SD 143153)}
This BCS endemic perennial occurs in the SLL & Sierra Cacachilas of the Cape region.
Ecoregions: CPL, CPM
CAPE BEGGAR’S TICK; ACEITILLA

Bidens pilosa L.
{In Wiggins as Bidens pilosa var. pilosa}
{BC: Moran 29867 (SD 110105); BCS: Rebmam 18474 (SD 202483)}
This is a non-native species in nw BC, but possibly native to southern BCS.
Ecoregions: CSS, CSU, VD, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico; pantropical weed in many parts of the world
COMMON BEGGAR’S TICK, SPANISH NEEDLES; AMOR SECO

Bidens pueblensis (Sherff) Melchert
{In Wiggins as Bidens bigelovii A. Gray var. pueblensis Sherff}
{BC: B. Hammerly 374 (DS 295322)}
This rare species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: JAL, c Mexico
PUELBA BEGGAR’S TICK

Bidens riparia Kunth
{syn = Bidens riparia var. refracta (Brandegee) O.E. Schulz}
{BCS: M. Domínguez L. 290 (SD 161970)}
This species occurs in lowland forests of the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America
STREAM BEGGAR’S TICK

Bidens schaffneri (A. Gray) Sherff var. wrightii (Sherff) Melchert
{syn = Bidens aurea var. wrightii (A. Gray) Sherff, Coreopsis aurea Ait.}
{BCS: León de la Luz 2061 (HCIB 510)}
This very rare native taxon occurs in the SLL of BCS. This variety is lumped into B. aurea by some authors, but Turner (2010) believes it to be a good taxon.
Ecoregions: CPM; Wider distrib.: SON, CHH
WRIGHT BEGGAR’S TICK

Bidens tenuisecta A. Gray
{BC: A. Carter 3482 (DS 393124)}
This very rare species occurs in the SLL of BCS and it appears to be closely related to B. heterosperma. Specimens of this taxon from BCS need verification.
Ecoregions: CPM; Wider distrib.: SON, n Mexico
SLIM-LOBE BEGGAR’S TICK

Blumea viscosa (Mill.) V.M. Badillo
{syn = Pseudoconyza viscosa (Mill.) D’Arcy, Conyza lyrata Kunth}
{BCS: R. Domínguez C. J428 (HCIB 10487)}
This rare species occurs on the western side of the SGIG of BCS. Specimens from BCS need to be verified.
Ecoregions: VD, GIG; Wider distrib.: SON, SIN, se Mexico, FL
CLAMMY FALSE OXTOUINGE

Boeberastrum anthemidifolium (Benth.) Rydb.
{In Wiggins as Dyssodia anthemidifolia Benth.}
{BC: Moran 17089 (SD 76906); BCS: Rebmam 4504 (SD 141720)}
This species is endemic to our region and occurs mostly from the Cataviña area in c BC south to Bahía Magdalena of BCS with a disjunct population in the western Cape region.
Ecoregions: CD, VD, GCD, MAG, CPL
PENINSULAR DYSSODIA; HEDIONDILLA, CEMPASUCHIL

Boeberastrum littorale (Brandegee) Rydb.
{In Wiggins as Dyssodia littoralis Brandegee}
BCS endemic.
{BC: T.S. Brandegee s.n., Nov 1902 (UC 90218)}
This very rare BCS endemic was previously known from only a few historical specimens collected along the western coast in the Cape region between El Pescadero and Cabo San Lucas, but was recently documented near Migrino.
Ecoregions: CPL
CAPE DYSSODIA; HEDIONDILLA, CEMPASUCHIL

Brickellia amplexicaulis B.L. Rob.
{BCS: Rebmam 4737 (SD 142274)}
This native species is very rare in our region and occurs only in the SGUD of n BCS.
Ecoregions: GIG; Wider distrib.: SON, SIN, CHH, AZ, NM
EAR-LEAF BRICKELLBUSH
Brickellia atracyloides A. Gray var. arguta (B.L. Rob.) Jeps.
[In Wiggins as Brickellia arguta B.L. Rob. var. arguta]
{BC: Moran 18617 (SD 79942)}
This rather rare native variety occurs mostly in desert transition areas of the c & s SJ & n SSPM in n BC.
Ecoregions: CHA, CMT, LCD; Wider distrib.: AZ, CA, NV
COLORADO BRICKELLBUSH

Brickellia atracyloides A. Gray var. odontolepis (B.L. Rob.) Jeps.
[In Wiggins as Brickellia arguta B.L. Rob. var. odontolepis B.L. Rob.]
{BC: Moran 30838 (SD 136997)}
This rare variety occurs only in the n SJ of extreme n BC in our region.
Ecoregions: CMT, LCD; Wider distrib.: CA
PUNGENT BRICKELLBUSH

Brickellia brandegeei B.L. Rob.
[In Wiggins as Brickellia macromeria B.L. Rob.]
{BC: Hodgson 8194 (SD 138418)}
This species occurs in BCS from the SSF south to the s SGIG and on Espíritu Santo & Cerralvo islands in the Gulf with disjunct populations in Sonora.
Ecoregions: CD, VC, GIG, MAG, CPL; Wider distrib.: SON
BRANDEGEE BRICKELLBUSH

Brickellia californica (Torr. & A. Gray) A. Gray
{BC: Moran 18515 (SD 84693); BCS: Rebmam 4369 (SD 141727)}
This native species is most common in nw BC from Tijuana and the n SJ south to the s SSPM, but it also occurs on sky islands including the SLIB of s BC and the SSF & SGUAD of n BC.
Ecoregions: CSS, CHA, CMT, CD, GIG; Wider distrib.: SON, CHH, COA, sw USA
CALIFORNIA BRICKELLBUSH; YERBA DE LA VACA

Brickellia cavanillesii (Cass.) A. Gray
{BCS: B. Hammerly 390 (POM 310310)}
This very rare species is only known from the SLL in our region and the voucher may be misidentified and could possibly be B. peninsularis.
Ecoregions: CPM; Wider distrib.: DUR, JAL, & c Mexico
Cavanilles BRICKELLBUSH

Brickellia coulteri A. Gray var. adenopoda (B.L. Rob.) B.L. Turner
[syn = Brickellia coulteri A. Gray var. megalodonta (Greenm.) McVaugh]
{BCS: M. Domínguez L. 359 (SD 139937)}
This variety occurs only in the Cape region of BCS and differs from var. coulteri in having fewer flowers per head and widely spreading peduncles.
Ecoregions: CPL; Wider distrib.: SON, SIN, and other states in w Mexico
FEW-FLOWER COULTER BRICKELLBUSH

Brickellia coulteri A. Gray var. coulteri
[In Wiggins as Brickellia coulteri A. Gray]
{BCS: A. Carter 4294 (SD 68509)}
This variety occurs in the SGIG and the Cape region of BCS.
Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, AZ, TX
COULTER BRICKELLBUSH, TRIANGLE-LEAF BRICKELLBUSH; PACHABA

Brickellia desertorum Coville
{BC: Moran 23783 (SD 97371)}
This species is very rare in our region and has only been documented once to the se of Tecate, but should also be expected along the eastern base of the SJ in n BC.

Brickellia diffusa (Vahl) A. Gray
{syn = Eupatorium diffusum Vahl, Chondrilla rhombifolia (Wild.) Poiret, Eupatorium capillare Desv., Prenanthes rhombifolia Willd.}
{BCS: Vanderplank 7001 (SD)}
This very rare native annual was discovered in 2015 growing at lower elevations in the SSL of the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America
ANNUAL BRICKELLBUSH, DIFFUSE BRICKELLBUSH

Brickellia frutescens A. Gray
{BC: Moran 30785 (SD 111309)}
This native species occurs in BC from the n SJ south to the SASAM in c BC.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: AZ, CA, NV
RIGID BRICKELLBUSH, SHRUBBY BRICKELLBUSH

Brickellia glandulosa (Llave) McVaugh
{BCS: León de la Luz 4797 (HCIB 16291)}
This very rare species is only known to occur in the SLL of BCS in our region.
Ecoregions: CPM; Wider distrib.: JAL, COL, & central Mexico
GLANDULAR BRICKELLBUSH

Brickellia grandiflora (Hook.) Nutt.
[In Wiggins as Brickellia grandiflora (Hook.) Nutt. var. petiolaris A. Gray]
Status in CFP: 2B.
{BC: Moran 14270 (SD 79585)}
This rare species occurs at higher elevations in the SJ & SSPM of n BC.
Ecoregions: CMT; Wider distrib.: SON, COA, NLE, w & sw USA
TASSLE-FLOWER BRICKELLBUSH

Brickellia hastata Benth.
BCS endemic.
{BCS: Rebmam 4797 (SD 142272)}
This rare BCS endemic species occurs in the SGIG, Bahía de Magdalena area, and the Cape region.
Ecoregions: GIG, MAG, CPL, CPM
ARROW-LEAF BRICKELLBUSH

Brickellia megaphylla M.E. Jones
BCS endemic.
{BCS: Moran 18967 (SD 100398)}
This BCS endemic occurs from the c SGIG south to the mountains of the Cape region.
Ecoregions: GCD, GIG, CPM
LARGE-LEAF BRICKELLBUSH

Brickellia microphylla (Nutt.) A. Gray var. microphylla
{syn = Brickellia cedrosensis Greene}
Status in CFP: 3.
Brickellia peninsularis
Brandegee var. peninsularis
BCS endemic

This very rare species is only known to occur on Cedros Island in our region and should possibly be recognized as the endemic B. cedrosensis. It should be noted that the specimen label and original publication for B. cedrosensis have the collector’s name as “Veitch” though Veitch’s specimens are also often labeled as “Dr. Veitch.”

Ecoregions: CPL; Wider distrib.: SON, COA, OAX, se USA, Central America

Straggler Daisy, Horse Herb; Hierba del Caballo

*Carduus pycnocephalus* L. subsp. pycnocephalus

This non-native species is still very rare in our region and occurs between Tijuana & Tecate in extreme nw BC. However, it is a noxious weed in CA and should be closely monitored or extirpated in BC.

Ecoregions: CSS; Wider distrib.: Native to the Mediterranean region, introduced to w & se USA

Italian Thistle

Carminatia tenuiflora DC.

This non-native species occurs in the SLIB of s BC and in the SUAD & SLL of BCS.

Ecoregions: CD, GI, CPM; Wider distrib.: SON, SIN, CHH, AZ, NM, TX, Central America

Plume-Weed

*Centaurea cyanus* L. [syn = Cnicus benedictus L.]

This very rare non-native species is only known in our region in extreme nw BC between Tijuana and Tecate.

Ecoregions: CSS; Wider distrib.: Native to Europe, introduced & widespread in USA, Asia

Blessed Thistle

*Centaurea benedicta* L.

This very rare non-native species is commonly cultivated and rarely naturalizes in nw BC on the western foothills of the SSPM.

Ecoregions: CSS; Wider distrib.: Native to s Europe, introduced & widespread in USA, Canada

Bachelor’s Button, Cornflower

*Centaurea melitensis* L.

This rather aggressive, weedy non-native species occurs mostly in nw BC between Tijuana and El Rosario, but is also known near Punta Prieta in s BC and on Guadalupe & Cedros islands in the Pacific.

Ecoregions: CHA, CSU, PI, CD; Wider distrib.: Native to s Europe, introduced to SON, COA, PI, CD, widespread in USA, w Canada, worldwide weed

Maltese Star-Thistle, Tocalote, Napa-Thistle; Tocotole

*Centaurea solstitialis* L.

This invasive non-native species is a noxious weed in CA that is still rather rare at present in extreme nw BC in the nw SJ.
Ecoregions: CHA; Wider distr.: Native to s Europe, introduced & widespread in USA, Canada

Yellow Star-Thistle

Centromadia parryi (Greene) Greene subsp. australis (D.D. Keck)
B.G. Baldwin
[In Wiggins as Hemizonia australis (D.D. Keck) D.D. Keck; syn = Hemizonia parryi Greene subsp. australis D.D. Keck]
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: Moran 28002 (SD 134619)}
This very rare native species occurs only in a few vernal pools in nw BC near Tijuana and San Quintin.
Ecoregions: CSS, CSU; Wider distr.: s CA

Southern Spikeweed/Tarplant

Centromadia perennis Greene
[In Wiggins as Hemizonia perennis (Greene) D.D. Keck]
BC endemic. Status in CFP: 1B, 5.
{BC: Dice 455 (SD 117502)}
This rare BC endemic is only known from vernal pools of Colonel and San Quintin in nw BC.
Ecoregions: CSU

Baja California Spikeweeds

Centromadia pungens (Hook. & Arn.) Greene subsp. pungens
[In Wiggins as Hemizonia pungens (Hook. & Arn.) Torr. & A. Gray]
Status in CFP: 2B.
{BC: Moran 28514 (SD 105814)}
This rather rare vernal pool species occurs in nw BC mostly north & east of Ensenada.
Ecoregions: CSS, CHA; Wider distr.: w USA & NY

Common Spikeweeds

Chaenactis artemisiifolia (Harv. & A. Gray) A. Gray
{BC: Levin 1702 (SD 119250)}
This rather common native annual occurs mostly in the foothills of nw BC between Tecate and El Rosario.
Ecoregions: CSS, CHA, CMT; Wider distr.: s CA

White Pincushion

Chaenactis carphoclinia A. Gray var. carphoclinia
{BC: Moran 10360 (SD 54635)}
This uncommon low desert species occurs mostly in ne BC between Mexicali and San Felipe.
Ecoregions: LCD; Wider distr.: SON, AZ, CA, NM, UT

Pebble Pincushion

Chaenactis fremontii A. Gray
{BC: Moran 30833 (SD 111304)}
This is a rather rare annual species in our region and occurs in the n SJ of extreme n BC.
Ecoregions: CMT; Wider distr.: AZ, CA, NV, UT

Fremont Pincushion

Chaenactis furcata Stockwell
{BC: Moran 19631 (SD 92427); BCS: Moran 19823 (SD 92437)}
This species is endemic to our region and occurs mostly in s BC and rarely in nw BCS. This species is rather closely related to C. stevioides.
Ecoregions: CD, VD

Central Desert Pincushion

Chaenactis glabriuscula DC. var. glabriuscula
[In Wiggins as Chaenactis tenuifolia Nutt.; syn = Chaenactis glabriuscula var. denudata (Nutt.) Munz, C. g. var. tenuifolia (Nutt.) H. M. Hall, C. g. var. curta (A. Gray) Jeps.]
{BC: Rebman 4979 (SD 144915)}
This common variety occurs mostly in nw BC and ranges from Tecate south into the CD in the vicinity of SASAM.
Ecoregions: CSS, CHA, CMT, CD; Wider distr.: CA

Yellow Pincushion

Chaenactis glabriuscula DC. var. occidentalis (Greene) H.M. Hall
[In Wiggins as Chaenactis occidentalis (Greene) Parish]
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: Moran 28963 (SD 106038)}
This very rare variety occurs only on sandy substrates on the immediate coast in nw BC.
Ecoregions: CSS, CSU; Wider distr.: Coastal s CA

Occult Pincushion

Chaenactis lacera Greene
{BC: Moran 20399 (SD 87286); BCS: Moran 21194 (SD 86973)}
This uncommon species is endemic to our region occurs mostly on sand dune habitats in the western Vizcaíno Desert ranging from near Punta Prieta in sw BC south to Laguna San Ignacio in nw BCS. It also occurs on Natividad Island in the Pacific.
Ecoregions: PI (Natividad), CD, VD

Vizcaíno Pincushion

Chaenactis parishii A. Gray
Status in CFP: 4; Listed: CNPS 1B.3.
{BC: Moran 30817 (SD 137002)}
This perennial species occurs in higher chaparral & mountain habitats of the SJ & SSPM.
Ecoregions: CHA, CMT; Wider distr.: s CA

Parish Pincushion

Chaenactis stevioides Hook. & Arn.
[In Wiggins as Chaenactis latifolia Stockwell, Chaenactis mexicana Stockwell]
{BC: Moran 14804 (SD 67270); BCS: D.E. Breedlove 71827 (UCR 102265)}
This species occurs mostly in the low desert areas of ne BC. The BCS voucher specimen needs to be verified.
Ecoregions: LCD, VD; Wider distr.: SON, w & sw USA

Desert Pincushion


Chaptalia texana Greene
[syn = Chaptalia mutans (L.) Polák var. texana (Greene) Burkart]
{BCS: Rebman 3221 (SD 140208)}
This very rare native species is only known in our region from the SGUAD of n BCS.
Ecoregions: GIG; Wider distr.: SON, CHH, COA, & ne Mexico, NM, TX

Silverpuff

Chloracantha spinosa (Benth.) G.L. Nesom var. spinosa
[In Wiggins as Aster spinosus Benth.]
{BC: Moran 24239 (SD 97317)}
This native variety occurs mostly in nw BC.
Cirsium trachyphonum S.F. Blake  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 26305 (SD 101061)}  
This rare BC endemic occurs in the SSPM of nw BC.  
Ecoregions: CHA, CMT  
Baja California Thistle

Cirsium neomexicanum A. Gray  
{BC: Rebman 9857 (SD 159098)}  
This species is rare in BC and only known from the high elevations of the SLL in BC.  
Ecoregions: CPL  
Wider distrib.: DUR, C Mexico  
Swine Weed Fleabane

Chloracantha spinosa (Benth.) G.L. Nesom var. spinississima  
{Brandgee} Sundberg  
[syn = Aster spinosus Benth. var. spinosissimus {Brandgee} Erigeron ortetiae S.F. Blake var. spinosissimus {Brandgee} Sundberg]  
LC endemic.  
{BC: Rebman 17189 (SD 194556); BCS: Hodgson 9562 (SD 145180)}  
This endemic variety occurs in wet arroyos and canyon bottoms from southern BC south throughout most of BCS.  
Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM  
Southern Spiny Aster, Spiny Devil-weed, Buena MuJer, Baja California, Espinito, Mala MuJer, Espina de Agua

Cirsium mexicanum DC. var. mexicanum  
{BC: A. Carter 23463 (SD 48119)}  
This species occurs mostly along the western side of the Cape region and rarely near Las Paz.  
Ecoregions: GCD, CPL  
Wider distrib.: SON, SIN  
Arrow-Leg Bone Set

Cirsium neomexicanum A. Gray  
{BC: Rebman 9857 (SD 159098)}  
This species is rare in BC and only known from collections in Guadalupe Canyon on the lower eastern side of the SJ and in the SASAM.  
Ecoregions: LCD, CD  
Wider distrib.: SON, SW USA  
Desert Thistle, New Mexico Thistle

Cirsium occidentale (Nutt.) Jeps. var. californicum (A. Gray) D.J. Keil & C.E. Turner  
{BC: Moran 24121 (SD 97059)}  
This native variety occurs mostly in nw BC from the n SJ to the s SSPM and in the SLIB of s BC.  
Ecoregions: CSS, CHA, CMT  
Wider distrib.: CA  
California Thistle

Cirsium occidentale (Nutt.) Jeps. var. occidentale  
{BC: Hendrickson 9008 (SD 115948)}  
This variety is very rare in our region and only known from V3V in n BCS, but should be expected in extreme nw BC as well.  
Ecoregions: CD  
Wider distrib.: CA  
Cowberry Thistle

Cirsium scariosum Nutt. var. americanum (A. Gray) D.J. Keil  
{BC: Rebman 3252 (SD 139686)}  
This native taxon occurs in higher elevation chaparral and mountains in the SJ and SSPM of nw BC.  

Coreocarpus dissectus (Benth.) S.F. Blake  
{BC: M. Domínguez L. 3846 (SD 188575)}  
This species is rare in our region and only known from the high elevations of the SLL in BCS.  
Ecoregions: CPL  
Wider distrib.: DUR, C Mexico  
Small-Head Fleabane


Coreocarpus parthenioides  
{BC: Moran 9857 (SD 66085)}  
This BCS endemic occurs mostly from the central to southern SGIG and on adjacent Gulf islands from San Marcos south to Espiritu Santo. It also occurs in the Bahía de Magdalena area and on both Magdalena & Santa Margarita islands in the Pacific.  
Ecoregions: GCD, GIG, MAG  
Baja California Coreocarpus

Coreocarpus parthenioides var. heterocarpus (A. Gray) S.F. Blake  
{BC: Moran 9857 (SD 66085)}  
This BCS endemic occurs mostly from the central to southern SGIG and on adjacent Gulf islands from San Marcos south to Espiritu Santo. It also occurs in the Bahía de Magdalena area and on both Magdalena & Santa Margarita islands in the Pacific.  
Ecoregions: GCD, GIG, MAG  
Baja California Coreocarpus

Coreocarpus parthenioides var. involutus (Greene) E.B. Sm.  
{BC: Moran 10791 (SD 54319)}  
This BCS endemic occurs in the w VPEN and on Natividad Island.  
This annual variety has yellow rays and has been misidentified as C. p. var. heterocarpus which is found mostly in s BCS.
Ecoregions: PI, VD

**Vizcaíno Coreocarpus**

*Coreocarpus parthenioides* Benth. var. *parthenioides*  
[syn = Coreocarpus shrevei Sherff, Coreocarpus alexandrae Sherff, Coreocarpus robustior Sherff]  
LC endemic.

{BC: Moran 28075 (SD 105843); BCS: A. Carter 5510 (SD 100375)}

This is a common & widespread annual that is endemic to our region and ranges from near San Felipe in ne BC south to the Cape region of BCs and on many adjacent islands.

Ecoregions: CSU, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM

White-Ray Coreocarpus; *Aceitilla Blanca*

*Coreocarpus robustior* Sherff

{BC: Moran 26779, 18518 (SD 101028)}

This rather rare species occurs in nw BC between Tijuana and Mesa San Carlos and often covers the lower elevation hills in yellow. It also occurs on Cedros Island in the Pacific.

Ecoregions: CSS, CHA, CMT; Wider distr.: sw San Diego County, CA

Ovate Tarplant

**Corethrogyne filaginifolia** (Hook. & Arn.) Nutt. var. *filaginifolia*  
[In Wiggins as Corethrogyne filaginifolia var. glomerata H.M. Hall, C. f. var. virgata (Benth.) A. Gray; syn = Lessingia filaginifolia (Hook. & Arn.) M.A. Lane, Lessingia filaginifolia var. californica (DC.) M.A. Lane, Corethrogyne californica DC.]

Status in CFP: 3.

{BC: Moran 26779, 18518 (SD 101873, 84695)}

This highly variable native species occurs in extreme nw BC from Tijuana to Santo Tomás and in the ne SJ. It should be noted that many varieties of this species that were previously recognized are now lumped into this variety.

Ecoregions: CSS, CHA, CMT; Wider distr.: CA, OR

California Aster

Genus ref. see *Bidens*: Sherff 1955.


*Cosmos bipinnatus* Cav.

{BC: Moran 24977 (SD 98145)}

This is a commonly planted and showy, non-native species that naturalizes mostly in urban areas of nw BC.

Ecoregions: CSS, CSU; Wider distr.: Native to c Mexico & tropical America; introduced in SON, SIN, & a widespread escapee in Mexico, throughout the USA & Canada, Central & South America, Asia

Garden Cosmos; Mirasol

*Cosmos parviflorus* (Jacq.) Pers.

{BC: Rebmam 5779 (SD 143150)}

This very rare species has only been documented in our region in the SLL of BCs but is reported for BC by Turner (2010); specimens from BCs identified as *C. diversifolius* are most likely this species.

Ecoregions: CPM; Wider distr.: Native to SON, SIN, n & w Mexico, sw USA; introduced & naturalizing in various places

Southwestern Cosmos; Mirasol Enano

*Cotula australis* (Sieber ex Spreng.) Hook.f.

{BC: Moran 28464 (SD 105928)}

This uncommon non-native species occurs mostly in disturbed habitats in extreme nw BC between Tecate and Santo Tomás.

Ecoregions: CSS, CHA; Wider distr.: Native to Australia but introduced in the Northern Hemisphere, AZ, CA, FL, ME, OR, South America, Africa

Australian Brass-Buttons; Cotula Australiana

*Cotula coronopifolia* L.

{BC: Moran 26331 (SD 101581)}

This non-native species occurs mostly in wetland habitats of nw BC but ranges south to the vicinity of Cataviña.

Ecoregions: CSS, CHA, CSU, CD; Wider distr.: Native to s Africa but introduced & naturalizing in the w USA, w Canada, Australasia, South America, Europe

African Brass-Buttons

*Cynara cardunculus* L. subsp. *cardunculus*

[syn = *Cynara scolymus* L.]

{BC: Moran 26328 (SD 101028)}

This non-native species is still uncommon in nw BC near Ensenada & San Quintín, but it could become a problematic invasive weed.

Ecoregions: CSS, CSU; Wider distr.: Native to the Mediterranean region, introduced and invasive in CA

Artichoke, Cardoon; Cardo


*Deinandra conjugens* (Keck) B.G. Baldwin  
[In Wiggins as *Hemizonia conjugens* Keck]

Status in CFP: 1A, 6; Listed: FT. CE. CNPS 1B.1.  
{BC: Tanowitz 1666 (SD 97796)}

This rare species occurs in nw BC between Tijuana and Ensenada and is threatened by urbanization in this corridor.

Ecoregions: CSS; Wider distr.: sw San Diego County, CA

Ovate Tarplant

*Deinandra fasciculata* (DC.) Greene  
[In Wiggins as *Hemizonia fasciculata* (DC.) Torr. & A. Gray, Hemizonia ramosissima Benth.]

{BC: Moran 13943 (SD 64844)}

This species is rather common in nw BC between Tijuana and Ensenada and offers the lower elevation hills in yellow. It also occurs on Cedros Island in the Pacific.

Ecoregions: CSS, CHA, CSU, PI (Cedros); Wider distr.: sw CA

Fascicled Tarplant

*Deinandra floribunda* (A. Gray) Davids. & Moxley  
[In Wiggins as *Hemizonia floribunda* A. Gray]

Status in CFP: 1B, 6; Listed: CNPS 1B.2.  
{BC: Moran 16664 (SD 73071)}

This rather rare species occurs in nw BC in the area between Tecate and the hills east of Colotlán.

Ecoregions: CSS, CHA, CMT; Wider distr.: Extreme s San Diego County, CA

Tecate Tarplant

*Deinandra frutescens* (A. Gray) B.G. Baldwin  
[In Wiggins as *Hemizonia frutescens* A. Gray]  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 29807 (SD 109048)}

This very rare species is endemic to the northern end of Guadalupe Island.

Ecoregions: PI (Guadalupe)

Guadalupe Tarplant

*Coreocarpus parthenioides* Benth. var. *parthenioides*  
{BC: Moran 28075 (SD 105843); BCS: A. Carter 5510 (SD 100375)}

This is a common & widespread annual that is endemic to our region and ranges from near San Felipe in ne BC south to the Cape region of BCs and on many adjacent islands.

Ecoregions: CSU, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM
Deinandra greeneana (Rose) B.G. Baldwin
[In Wiggins as Hemizonia greeneana Rose; syn = Hemizonia greeneana Rose subsp. greeneana]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 31018 (SD 122235)}
This rare species is endemic to the southern half of Guadalupe Island.
Ecoregions: PI (Guadalupe)
GREENE TARPLANT

Deinandra kelloggii (Greene) Greene
[In Wiggins as Hemizonia kelloggii Greene]
Status in CFP: 2A.
{BC: Moran 28682 (SD 107454)}
This species is very rare in extreme n BC near Tecate.
Ecoregions: CHA; Wider distrib.: c & s CA, AZ
KELLOGG TARPLANT

Deinandra martirensis (Keck) B.G. Baldwin
[In Wiggins as Hemizonia martirensis Keck]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 22279 (SD 91820)}
This BC endemic ranges from the western foothills of the SSPM south into the n CD.
Ecoregions: CSS, CHA, CD
SAN PEDRO MARTIR TARPLANT

Deinandra palmeri (Rose) B.G. Baldwin
[In Wiggins as Hemizonia palmeri Rose]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 17354 (SD 74810)}
This rare species is endemic to the southern end of Guadalupe Island.
Ecoregions: CHA; Wider distrib.: sw CA, AZ
PALMER TARPLANT

Deinandra palmeri × D. greeneana
BC endemic.
{BC: Moran 6694 (SD 48277)}
This is a rare interspecific hybrid that occurs on the southern end of Guadalupe Island.
Ecoregions: PI (Guadalupe)
GUADALUPE HYBRID TARPLANT

Deinandra paniculata (A. Gray) Davids. & Moxley
[In Wiggins as Hemizonia paniculata A. Gray]
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 27646 (SD 103388)}
This uncommon species occurs mostly along the coast between Tijuana & Ensenada in nw BC.
Ecoregions: CSS, CHA; Wider distrib.: sw CA
SAN DIEGO TARPLANT

Deinandra peninsularis (Moran) B.G. Baldwin
[syn = Hemizonia greeneana Rose subsp. peninsularis Moran, Deinandra greeneana (Rose) B.G Baldwin subsp. peninsularis (Moran) B.G. Baldwin]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 15906 (SD 73008)}
This BC endemic species is rare and occurs in nw BC from the vicinity of La Misión to Punta Banda and on Todos Santos Island.
Ecoregions: CSS, PI (Todos Santos)
BAJA CALIFORNIA TARPLANT

Deinandra streetsii (A. Gray) B.G. Baldwin
[In Wiggins as Hemizonia streetsii A. Gray]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 20313 (SD 86995)}
This BC endemic species occurs only on the San Benitos islands.
Ecoregions: PI (San Benitos)
SAN BENITO TARPLANT

*Delairea odorata* Lem.
[syn = Senecio mikanioides Walp.]
{BC: Moran 28808 (SD 105769)}
This non-native vine is still quite rare in nw BC near Rosarito, but could easily become an invasive weed in the region.
Ecoregions: CSS; Wider distrib.: Native to s Africa but introduced & invasive in CA, OR, Australia
GERMAN-IVY, CAPE-IVY

Dicoria canescens A. Gray
[In Wiggins as Dictoria clarkae Kennedy]
{BC: Rebman 2070 (SD 137501)}
This uncommon native species grows on sandy substrates in ne BC, is highly variable, and therefore has been recognized under many different names such as *D. clarkae*.
Ecoregions: LCD; Wider distrib.: SON, sw USA
DESERT TWINGLOWS

Dieteria asteroides Torr. var. asteroides
[In Wiggins as Machaeranthera tephrodies (A. Gray) Greene]
Status in CFP: 4.
{BC: Moran 16599 (SD 71599)}
This native taxon occurs mostly in n BC in the SJ & SSPM.
Ecoregions: CSS, CHA, CMT, LCD; Wider distrib.: SON, CHH, sw USA
FALL ASTER

[In Wiggins as Machaeranthera lagunensis Keck]
Status in CFP: 2B; Listed: CR. CNPS 2.1.
{BC: R.F. Thorne 37499 (RSA 330153)}
This taxon is only known from the SJ in our region, but it should be noted that smaller flowered plants of BC classified here as var. asteroides are sometimes lumped into this taxon by some authors.
Ecoregions: CMT; Wider distrib.: San Diego County of CA
LAGUNA MOUNTAIN ASTER

Dieteria canescens (Pursh) Nutt. var. canescens
Status in CFP: 3.
{BC: Rebman 6483 (SD 148597)}
This species is rather rare in our region and occurs mostly in the SSPM and n CD of BC.
Ecoregions: CHA; Wider distrib.: w USA, w Canada
HOARY ASTER, ASH-COLOR ASTER

*Distichia graveolens* (L.) Greuter
{BC: Rebman 27035 (SD 234553)}
This very rare, but highly invasive non-native has only recently been documented once in our region in the vicinity of Tijuana.
Ecoregions: CSS; Wider distrib.: Native to w Europe, Mediterranean, sw Asia, introduced in CA, ne USA, Europe, Asia, Africa, South America, Australia
STINKWORT

*Dyssodia tagetiflora* Lag.
[syn = Boebera tagetiflora (Lag.) Spreng.]
{BC: Moran 29576 (SD 108525)}
This non-native species has only been documented once as a naturalized occurrence in our region near Ensenada in nw BC.

Ecoregions: CSS; Wider distrib.: Native to c & s Mexico

**SOUTHERN DOGWEED**

**Eclipta prostrata** (L.) L.
[In Wiggins as Eclipta alba (L.) Hasskcarl]
{BC: Moran 29312 (SD 106409); BCS: Rebman 4717 (SD 142268)}

This species prefers wet, disturbed habitats and occurs throughout much of the peninsula, but it appears to be more common in BCS in our region.

Ecoregions: CSS, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, native to North America, but weedy and widespread worldwide

FALSE-DAISY; SIEMPREVILLA, CHILE DE AGUA, HIERBA DEL TAJO, ZARZAPARILLA, CLAVEL DE POZO

**Encelia acantho** Elmer
[syn = Encelia virginensis A. Nelson subsp. acantho (Elmer) Keck]
Status in CFP: 2B.
{BC: Moran 30747 (SD 110853)}

This species occurs in extreme n BC on the northern end of the SJ.

Ecoregions: CMS; Wider distrib.: CA, NV

**ACTON ENCELIA**

**Encelia asperifolia** (S.F. Blake) C. Clark & Kyhos
{BC: Rebman 3664 (SD 141055); BCS: Moran 20020 (SD 92897)}

This species is endemic to our region and is relatively common in the CD but also occurs on Cedros and San Benitos islands.

Ecoregions: CSU, PI (Cedros, San Benitos), CD, VD

CENTRAL DESERT ENCELIA

**Encelia asperifolia x E. farinosa**

BC endemic.
{BC: Rebman 6464 (SD 148600)}

This is a rare interspecific hybrid that occurs where the ranges of these two species overlap in the n CD.

Ecoregions: CD

HYBRID BRITTLEBUSH

**Encelia californica** Nutt.
[In Wiggins as Encelia californica Nutt. var. californica]
{BC: Moran 26603 (SD 101530)}

This is a common species along the coast in nw BC and on adjacent Pacific islands.

Ecoregions: CSS, CSU, PI; Wider distrib.: CA

**CALIFORNIA ENCELIA, BUSH SUNFLOWER, COAST SUNFLOWER, INCIENSO**

**Encelia conspersa** Benth.

BCS endemic.
{BC: Rebman 4778 (SD 142266)}

This BCS endemic occurs in the Bahía de Magdalena area and could possibly be just a localized variation of *E. palmeri* or *E. halimifolia*.

Ecoregions: MAG

**MAGDALENA ENCELIA**

**Encelia densifolia** C. Clark & Kyhos

BCS endemic.

{BCS: Moran 22758 (SD 94199)}

This very rare BCS endemic occurs in the Sierra Santa Clara of n BC.

Ecoregions: VD

**VIZCAINO ENCELIA**

**Encelia farinosa** Torr. var. farinosa

Status in CFP: 4.
{BC: Rebman 5957 (SD 145921); BCS: Hodgson 9505 (SD 145177)}

This taxon with yellow disk flowers is not recognized by some authors, but seems to have a somewhat geographically separate range in our region occurring in mountains and higher elevation habitats.

Ecoregions: CHA, VM, LCD, CD, VD, GCD, GIG; Wider distrib.: SON, SIN, AZ, CA, NV

**BRITTLEBUSH; INCIENSO, RAMA BLANCA, HIERBA DEL BAZO**

**Encelia farinosa** Torr. var. phenicodonta (S.F. Blake) I.M. Johnst.

Status in CFP: 4.
{BC: Rebman 5957 (SD 145921); BCS: Hodgson 9505 (SD 145177)}

This taxon with brown disk flowers is not recognized by some authors, but seems to have a somewhat geographically separate range in our region occurring mostly in low desert and drier habitats.

Ecoregions: CHA, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, AZ, CA

**BRITTLEBUSH; INCIENSO**

**Encelia farinosa** Torr. var. radians (Brandegee) Brandegee ex S.F. Blake
[syn = Encelia radians Brandegee]

BCS endemic.
{BC: Vinton 32 (SD 139791)}

This taxon with brown disk flowers, often more greenish leaves, and a large growth habit is endemic to BCS mostly in the Cape region. It is possible that this variety is just a large form of var. phenicodonta; more study is needed.

Ecoregions: GCD, CPL, CPM

**CAPE BRITTLEBUSH; INCIENSO**

**Encelia frutescens** (A. Gray) A. Gray subsp. frutescens

{BC: Hodgson 8841 (SD 145176)}

This low desert subspecies occurs in extreme n BC in the northern portion of the LCD.

Ecoregions: LCD; Wider distrib.: SON, AZ, CA

**RAYLESS ENCELIA, BUTTON ENCELIA**

**Encelia frutescens** (A. Gray) A. Gray subsp. glandulosa C. Clark

BC endemic.
{BC: Hodgson 8696 (SD 145175)}

This BCS endemic subspecies occurs in n BC in the central portion of the LCD from the vicinity of San Mathias Pass south to San Felipe.

Ecoregions: LCD

**BAJA CALIFORNIA RAYLESS ENCELIA**

**Encelia halimifolia** Cav.
{BCS: M. Domínguez L. 3009 (SD 153755)}

This species occurs on flat plains habitats in BCS and may be related to *E. conspersa* from the Bahía de Magdalena area.

Ecoregions: GCD, MAG, CPL; Wider distrib.: SON

**PLAINS ENCELIA; HIERBA DEL BAZO**
**Encelia xlacinata** Vasey & Rose


LC endemic.

{BC: Moran 22781 (SD 94200); BCS: Rebman 5621 (SD 143022)}

This is a common interspecific hybrid between *E. palmeri* & *E. ventorum* that occurs on dune habitats mostly in the w. WD.

Ecoregions: CD, WD

**DUNE HYBRID ENCELIA**

**Encelia palmeri** Vasey & Rose

[syn = *Encelia viscaenoisens* Gentry nom nud.]


{BC: Moran 28098 (SD 104916); BCS: Moran 20003 (SD 92520)}

This species is endemic to our region and occurs from near Punta Prieta in sw BC south to near La Paz on the western side of the peninsula and on Natividad Island.

Ecoregions: PI (Natividad), CD, WD, GCD, MAG

**PALMER ENCELIA**

**Encelia ravenii** Wiggins

BC endemic.

{BC: Moran 7559 (SD 62887)}

This very rare BC endemic occurs in a small area just northwest of San Felipe in ne BC.

Ecoregions: LCD

**RAVEN ENCELIA**

**Encelia stenophylla** Greene

LC endemic. Status in CFP: 1B, 7.

{BC: Moran 10688 (SD 54082); BCS: Moran 19678 (SD 92894)}

This species is endemic to our region and occurs on Cedros Island and the mountains of the VPEN.

Ecoregions: PI (Cedros), WD

**NARROW-LEAF ENCELIA**

**Encelia ventorum** Brandegge

LC endemic.

{BC: D. L. Bostic s.n., 8 Jul 1969 (SD 70860); BCS: Moran 20144 (SD 92887)}

This species is endemic to our region and occurs on dune habitats along the western coast from Punta Prieta in sw BC south to Bahia de Magdalena in BCS.

Ecoregions: CD, WD, MAG

**NARROW ENCELIA**

*Erechites hieracifolia* (L.) Raf. ex DC var. *hieracifolia*

{BCS: T.S. Brandegge s.n., 11 Oct 1893 (UC 91569)}

This very rare non-native has only been documented once at Santa Anita in the southern Cape region.

Ecoregions: CPR; Wider distrib.: s Mexico, widespread in USA, Canada, West Indies

**AMERICAN BURNWEED**

**Ericameria cooperi** (A. Gray) H.M. Hall var. *bajacalifornica* (Ur batsch & Wussow) Urbatsch


{In Wiggins as Haplopappus cooperi (A. Gray) Hall; syn = *Ericameria cooperi* subsp. bajacalifornica Urbatsch & Wussow}

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 17623 (SD 75101)}

This BC endemic variety occurs in the sw SJ.

Ecoregions: CHA

**BAJA CALIFORNIA GOLDENBUSH**

**Ericameria cuneata** (A. Gray) McClatchie var. *spathulata* (A. Gray) H.M. Hall

{In Wiggins as Haplopappus cuneatus A. Gray}

{BC: Moran 13579 (SD 63508)}

This native taxon occurs in the SJ of nw BC and in the SASAM & SBOR of s BC.

Ecoregions: CHA, CMT; Wider distrib.: AZ, CA, NM, NV

**WEDGE-LEAF GOLDENBUSH**

**Ericameria juarezensis** (Moran) Urbatsch

{In Wiggins as Haplopappus juarezensis Moran}

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 13698 (SD 64061)}

This BC endemic species occurs in the southern half of the SJ of nw BC.

Ecoregions: CHA, CMT

**SIERRA JUAREZ GOLDENBUSH**

**Ericameria linearifolia** (DC.) Urbatsch & Wussow


{In Wiggins as Haplopappus linearifolius DC.}

{BC: Moran 10921 (SD 53775)}

This species is rather common in the SJ & SSPM of nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: sw USA

**INTERIOR GOLDENBUSH**

**Ericameria martirensis** Wiggins

{In Wiggins as Haplopappus martirensis (Wigg.) S.F. Blake}

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 14271 (SD 79539)}

This BC endemic species occurs in the SSPM.

Ecoregions: CHA, CMT

**SAN PEDRO MARTIR GOLDENBUSH; HIERBA DEL PASMO**

**Ericameria nauseosa** (Pall. ex Pursh) G.L. Nesom & G.I. Baird var. *bernardina* (H.M. Hall) G.L. Nesom & G.I. Baird

{In Wiggins as Chrysothamnus nauseosus (Pall.) Britton subsp. mo havensis (Greene) H.M. Hall & Clem. misappl.}

Status in CFP: 2B.

{BC: M.E. Jones s.n. 17 May 1928 (POM 160228)}

This variety is rather rare in our region and only known from the SJ in extreme n BC.

Ecoregions: CMT; Wider distrib.: CA

**BERNARDINA RABBITBRUSH**


{In Wiggins as Chrysothamnus nauseosus (Pall.) Britton subsp. cosinalis (Greene) H. M. Hall & Clem.; syn = Chrysothamnus nauseosus var. artus (A. Nelson) Cronq., Chrysothamnus nauseosus var. consimalis (Greene) Hall, Chrysothamnus nauseosus var. oreophilius (A. Nelson) Hall, Chrysothamnus nauseosus subsp. pinifolius (Greene) Hall & Clements}
Ericameria palmeri (A. Gray) H.M. Hall var. palmeri
[In Wiggins as Haplopappus palmeri A. Gray subsp. palmeri]
Status in CFP: 1B, 6; Listed: CNPS 1B1.
{BC: Moran 11347 (SD 59630)}
This variety occurs in nw BC from the USA/Mexico border south to
the vicinity of El Rosario.
Ecoregions: CSS, CHA, CSU; Wider distrib.: San Diego County
of CA
PALMER GOLDENBUSH

Ericameria parishii (Greene) H.M. Hall var. peninsularis (Moran)
G.L. Nesom
[In Wiggins as Haplopappus arborescens (A. Gray) H.M. Hall sub-
sp. peninsularis Moran]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 14566 (SD 68114)}
This rather rare BC endemic variety occurs in the SSSP.
Ecoregions: CHA, CMT
PENINSULAR GOLDENBUSH

Ericameria pinifolia (A. Gray) H.M. Hall
[In Wiggins as Haplopappus pinifolius A. Gray; syn = Ericameria
ericoides (Lessing) Jepson subsp. pinifolia (H.M. Hall) Urbatsch
& Bondy]
Status in CFP: 2A.
{BC: Moran 14620 (SD 68110)}
This species occurs in nw BC in the SJ & SSSP. Some herbarium
specimens are misidentified as E. ericoides.
Ecoregions: CHA; Wider distrib.: w USA
PINE-BUSH, PINE GOLDENBUSH

*Erigeron bonariensis L.
[In Wiggins as Conyza bonariensis (L.) Cronquist]
{BC: Moran 27939 (SD 104016); BCS: Rebman 4332 (SD
141722)}
This non-native species occurs mostly in disturbed sites of nw BC
between Tijuana & San Quintin, but is to be expected in other urban
areas of our region. It also occurs rarely in the SSF of n BCS.
Ecoregions: CSS, CSU, CD, CPM; Wider distrib.: Native to
South America, introduced in SIN and widespread in tropical &
warm-temperate areas worldwide incl. Mexico & USA
FLAX-LEAF FLEABANE; ESCOBA DE ARROYO

Erigeron breweri A. Gray var. ensenadensis G.L. Nesom
BC endemic.
{BC: Moran 22526 (SD 91618)}
This very rare BC endemic variety occurs in nw BC between Ense-
nada & San Vicente. Although described under E. breweri, it ap-
ppears to be more closely related to E. foliosus.
Ecoregions: CSS
ENSENADA FLEABANE

Erigeron breweri A. Gray var. porphyreaticus (M.E. Jones) Cronq.
{BC: Orcutt s.n., 1886 (MO 1321798)}
This very rare taxon is only known in our region from one historical
voucher with little locality info collected by Orcutt that is deposited
at MO and annotated by G. Nesom. If correctly identified, this taxon
might be expected in pinyon-juniper habitats in the SJ in our region.
Ecoregions: CMT?; Wider distrib.: CA, NV
BREWERS FLEABANE

Erigeron canadensis L.
[In Wiggins as Conyza canadensis (L.) Cronquist]
{BC: Moran 26270 (SD 105328); BCS: León de la Luz 9677 (HCIB
16314)}
This species occurs most commonly in nw BC, but is scattered down
the peninsula to the SLL of BCS. This native species can be rather
weedy and thrives in disturbed habitats.
Ecoregions: CSS, CHA, CMT, LCD, VD, GCD, CPL, CPM; Wider
distrib.: SON, SIN, widespread in Mexico; native to North & Central
America, but introduced in South America, Europe, Asia, Africa
HORSEWEED; MANZANILLA CIMARRONA, COLA DE CABALLO

Erigeron divergens Torr. & A. Gray
[In Wiggins as Erigeron divergens Torr. & A. Gray var. cinereus A. Gray;
syn = Erigeron incomptus A. Gray]
{BC: Moran 20364 (SD 87232)}
This native species occurs mostly in nw BC from Tijuana south to
the s SSPM, but has a disjunct population in the SLIB of S BC. All of
the higher elevation specimens need to be verified to make sure that
they are not the closely related E. multiceps.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: SON, n Mexico, w USA, nw Canada
DIFFUSE DAISY, SPREADING FLEABANE, GRAY SPREADING FLEABANE

Erigeron foliosus Nutt. var. foliosus
[In Wiggins as Erigeron foliosus Nutt. var. stenophyllus (Nutt.) A.
Gray; syn = Erigeron foliosus Nutt. var. tenuissimus A. Gray]
{BC: Moran 29293 (SD 106290)}
This uncommon & highly variable species occurs in nw BC from
Tijuana to the SSPM.
Ecoregions: CHA, CMT; Wider distrib.: CA
LEAFY DAISY, LEAFY FLEABANE

Erigeron multiceps Greene
{BC: Moran 23013 (SD 95449)}
This rare native species is closely related to E. divergens and diffi-
cult to distinguish from it. Although all of the specimens from the SJ
& SSPM need to be verified, it appears that this species occurs in
the upper elevations of the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA, NV
KERN RIVER FLEABANE

Erigeron speciosus (Lindl.) DC.
[In Wiggins as Erigeron speciosus (Lindl.) DC. var. macranthus
(Nutt.) Cronquist; syn = Erigeron macranthus Nutt.]
Status in CFP: 2B.
{BC: Moran 15520 (SD 68867)}
This species is only known from a few collections in the higher eleva-
tions of the SSPM.
Ecoregions: CMT; Wider distrib.: w USA (except CA), w Canada
ASPEN FLEABANE

*Erigeron sumatrensis Retz.
[syn = Conyza floribunda Kunth, Conyza bonariensis (L.) Cron-
quist var. leiotheca (S.F. Blake) Cuatrecasas, Conyza bilbaoana J.
Rémy misapl.]
{BC: Rebman 27053 (SD 234554)}
This non-native species has only been documented in our region
in the vicinity of Tijuana & on Guadalupe Island, but is expected
elsewhere in nw BC.
Ecoregions: CSS, PI (Guadalupe); Wider distrib.: Native to South
America, introduced in southern Mexico, Central America, CA, FL
TROPICAL HORSEWEED
Eriophyllum confertiflorum (DC.) A. Gray var. confertiflorum
[In Wiggins as Eriophyllum confertiflorum (DC.) A. Gray; syn = Eriophyllum crucigerum Rydb. var. tridactylum (Rydb.) Munz, Eriophyllum confertiflorum (DC.) A. Gray var. discoideum (Rydb.) Munz, Eriophyllum crucigerum Rydb.]
{BC: Moran 19422 (SD 84483)}
This species is common in nw BC and occurs as far south as Cata- viña in the n CD and on Cedros Island.
Ecoregions: CSS, CHA, CMT, PI (Cedros), CD; Wider distrib.: CA
COMMON WOOLLY SUNFLOWER

Eriophyllum lanatum (Pursh) J. Forbes var. grandiflorum (A. Gray) Jeps.
Status in CFP: 1A.
{BC: Palmer (1875) (US?)}
This very rare species has only been collected once in Mexico on Guadalupe Island and now likely extirpated. It is unclear exactly where this specimen is deposited but it is expected in the US Her- barium.
Ecoregions: PI (Guadalupe); Wider distrib.: CA, OR
COMMON WOOLLY SUNFLOWER

Flaveria trinervia (Spreng.) C. Mohr
{syn = Oedera trinervia Spreng.}
{BCS: A. Carter 5648 (SD 100386)}
This species has been considered by some to be an exotic in our region, but it is likely native to BCS.
Ecoregions: CD, GIG; Wider distrib.: SON, AZ to se USA, West Indies, Tropical America
CLUSTERED YELLOWTOPS; RETAMA, TAMBOCHE, CONTRAYERBA

Galinsoga parviflora Cav. var. parviflora
[In Wiggins as Galinsoga parviflora Cav.]
{BCS: Rebman 4589 (SD 143018)}
This very rare native variety occurs in the SLL of n BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America; introduced & widespread in USA, Africa, Europe, Asia, Australia
SMALL-FLOWER GALINSOGA; ESTRELLITA

Galinsoga parviflora Cav. var. semicalva A. Gray
[In Wiggins as Galinsoga semicalva (A. Gray) St. John & White var. percalva S.F. Blake]
{BCS: M. Domínguez L. 2998 (SD 146664)}
This very rare native variety occurs in the SLL of BCS. It differs from var. parviflora by having shorter peduncles creating more tightly clustered flowering heads, lanceolate leaves, and typically occurs above 1500 m in elevation.
Ecoregions: CPM; Wider distrib.: SON, SIN, n & e Mexico
CLUSTERED SMALL-FLOWER GALINSOGA; ESTRELLITA

Galinsoga quadriradiata Ruiz & Pav.
[In Wiggins as Galinsoga ciliata (Raf.) S.F. Blake]
{BCS: M. Domínguez L. 2998 (SD 146664)}
This rare native species occurs in the SLL & Sierra Cacachilas of the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America; introduced & widespread in USA, Africa, Europe, Asia
SHAGGY SOLDIER; ESTRELLITA

Gamochaeta americana (Mill.) Weddell
{syn = Gnaphalium americanum Mill.}
{BCS: León de la Luz 2725 (HCIB 17974)}
This very rare & presumably native species occurs in the SLL of BCS, but the specimens need to be verified since this genus was recently recognized and species concepts have changed dramatically.
Ecoregions: CPM; Wider distrib.: Widespread in Mexico, West Indies, Central & South America
AMERICAN CUDWEED/ EVERLASTING

Gamochaeta pensylvanica (Wild.) Cabrera
{syn = Gnaphalium pensylvanicum Willd., Gnaphalium peregrinum Fernald}
{BCS: M.E. Jones 24633 (POM 153850)}
This non-native species is rare in BCS and only known from the type specimen collected in the Sierra de La Laguna in 1893.
Ecoregions: CPM
PENNSYLVANIA CUDWEED/ EVERLASTING

Eriophyllum tracyi Greene
[In Wiggins as Eriophyllum divergens Torr. & A. Gray var. cinereus A. Gray]
{BC: Rebman 5436 (SD 141176)}
This species is rare in BC and only known from a few collections at the higher elevations of the SSPM.
Ecoregions: CMT; wider distrib.: SON, CHH, COA, DUR, ZAC, sw USA (except CA)
RUNNING FLEABANE

Eriophyllum wallacei A. Gray subsp. wallacei, Eriophyllum wallacei A. Gray
{In Wiggins as Eriophyllum wallacei A. Gray subsp. wallacei, Eriophyllum confertiflorum (DC.) A. Gray var. latiflorum Gray, Eriophyllum confertiflorum (DC.) A. Gray var. tridactylum (Rydb.) Munz, Eriophyllum confertiflorum (DC.) A. Gray var. discoideum (Rydb.) Munz, Eriophyllum crucigerum Rydb.}
{BC: Moran 18350 (SD 77294)}
This species occurs mostly in the foothills and mountains of the SJ
{BC: Moran 29346 (SD 146664)}
This species is rare in BC and only known from a few collections at the higher elevations of the SSPM.
Ecoregions: CSS, CHA, CMT, CSU, PI (Cedros), CD; Wider distrib.: CA
LONG-STEM GOLDEN-YARROW

Gamochaeta pusilla Brandegee
BCS endemic.
{BCS: T.S. Brandegee s.n. (CAS 634580)}
This very rare BCS endemic monotypic genus is only known from the type specimen collected in the Sierra de La Laguna in 1893.
Ecoregions: CPM
CAPE FAXONIA
Gamochaeta purpurea (L.) Cabrera
[In Wiggins as Gaphaillium purpureum L.]
{BCS: M. Domínguez L. 3849 (SD 188587)}
This species is rare in the SLL of BCS and it is questionable whether the populations are native or not. Some specimens labelled as Gaphaillium americanum from BCS may be mis-IDs of this species.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, HI, e USA, Central & South America
SPOONLEAF PURPLE CUDWEED/EVERLASTING; GORDOLOBO

Gamochaeta sphaelata (Kunth) Cabrera
[In Wiggins as Gaphaillium pedunculorum I.M. Johnst.; syn = Gaphaillium sphaelatun Kunth]
{BCS: M. Domínguez L. 401 (HCIB 4883)}
This species is rare in BCS and only known from the SLL.
Ecoregions: CPM; Wider distrib.: SON, northern Mexico, TX, South America
OWL’S CROWN

Gamochaeta stagnalis (I.M. Johnst.) Anderb.
[syn = Gaphaillium stagnale I.M. Johnst.]
{BCS: M. Domínguez L. 3689 (SD 161968)}
This species is rare in BCS and only known from the SGIG, but should be expected in nw BC as well.
Ecoregions: GIG; Wider distrib.: SON, central Mexico, AZ, NM
DESERT CUDWEED, ROSY EVERLASTING

Geraea canescens Torr. & A. Gray
{BC: Moran 16778 (SD 75698)}
This species occurs in the low desert areas of BC and can be quite abundant following ample rainfall.
Ecoregions: LCD; Wider distrib.: SON, AZ, CA, NV, UT
DESERT-SUNFLOWER, DESERT GOLD

Geraea viscida (A. Gray) S.F. Blake
Status in CFP: 4, 8; Listed: CNPS 2.3.
{BC: Moran 17635 (SD 75031)}
This species occurs mostly in higher chaparral habitats in BC and on sky islands in the CD as far south as the SBOR.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: San Diego County of CA
STICKY GERAEA, STICKY DESERT-SUNFLOWER

*Glebionis coronaria* (L.) Cassini ex Spach
[In Wiggins as Chrysanthemum coronarium L.]
{BC: Moran 28468 (SD 105911)}
This non-native, invasive species occurs in disturbed habitats in nw BC from Tijuana south to San Quintín and on some adjacent Pacific islands.
Ecoregions: CSS, CHA, CSU, PI; Wider distrib.: Native to the Mediterranean region, introduced in SON, AZ, CA, FL, Eurasia, n Africa
CROWN DAISY, GARLAND

Gnaphalium palustre Nutt.
{BC: Moran 27596 (SD 102672); BCS: Steve Boyd 5900 (RSA 576365)}
This native species occurs in wetland habitats scattered throughout the peninsula, except the drier low desert regions.
Ecoregions: CSS, CHA, CMT, CD, GIG, MAG, CPL; Wider distrib.: SON, w USA, w Canada
LOWLAND CUDWEED, WESTERN MARSH CUDWEED

Gutierrezia arborescens Brandegee
BCS endemic.

Grindelia camporum Greene
[In Wiggins as Grindelia robusta Nutt.; syn = Grindelia robusta Nutt. var. bracteosa (J.T. Howell) Keck, Grindelia camporum Greene var. bracteosum (J. Howell) M.A. Lane]
{BC: Moran 17868 (SD 76226)}
This species occurs at lower elevations in extreme nw BC between Tijuana and Ensenada. At times, this species has been lumped into G. hirsutula Hook. & Arn, but at present it is considered a separate species.
Ecoregions: CSS; Wider distrib.: CA
GUMPLANT

Guardiola platyphyllo A. Gray
{BCS: M. Domínguez L. 3299 (SD 160144)}
This species is rare in n BCS and only known from the SGUAD.
Ecoregions: GIG; Wider distrib.: SON, CHH, AZ
APACHE PLANT; ROMERILLO DEL MESA

Gundlachia diffusa (Benth.) G.L. Nesom
[In Wiggins as Haplopappus sonorensis (A. Gray) S.F. Blake; syn = Ericameria diffusa Benth., Xylothamia diffusa (Benth.) G.L. Nesom]
{BC: Webster 24314 (SD 109106); BCS: Moran 16702 (SD 72931)}
This common shrub ranges from Cedros Island & Bahía de Los Angeles in BC south to the Cape region of BCS and on various adjacent Pacific & Gulf islands.
Ecoregions: PI, CD, CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN
SOLONAR GOLDBUSH; HIERBA DEL PASMO


*Gutierrezia californica* (DC.) Torr. & A. Gray
[In Wiggins as Gutierrezia bracteata Abrams]
{BC: Moran 11393 (SD 59629)}
This species occurs mostly in nw BC and on a few sky islands in the CD and is known to intergrade with G. sarochoe.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA
CALIFORNIA MATCHWEED/SNAKEWEED

*Gutierrezia microcephala* (DC.) A. Gray
[syn = Gutierrezia glomerella Greene, Gutierrezia lucida (Greene) Greene, Gutierrezia sarochoe (Pursh) Bratt & Rusby var. microcephala (DC.) L. Benson]
{BC: Moran 10422 (SD 54209)}
This species occurs mostly on Ángel de la Guarda Island in our region and rarely in the SJ.
Ecoregions: LCD, CD; Wider distrib.: SON, and widespread in n Mexico, sw USA
STICKY MATCHWEED/SNAKEWEED

*Gutierrezia ramulosa* (Greene) M.A. Lane
[In Wiggins as Greenella ramulosa Greene]
LC endemic.
This species is endemic to our region and occurs mostly from Punta Prieta in sw BC south to San Juanico in nw BC, but also on Angel de la Guarda & Carmen islands in the Gulf.

Ecoregions: CD, VD, GCD

**Baja California Matchweed/Snakeweed**

**Gutierrezia sarothrae** (Pursh) Britton & Rusby  
[syn = Gutierrezia linearifolia Lag.]  
{BC: Moran 14392 (SD 79611); BCS: Moran 18717 (SD 80334)}

This species is rather common in nw BC and on a few sky islands in the CD as far south as V3V in n BC. It also occurs on Cedros Island in the Pacific. It is known to intergrade with G. californica.

Ecoregions: CSS, CHA, CMT, CSU, PI (Cedros), CD, GCD; Wider distrib.: SON, widespread in n Mexico, c & w USA, Canada

**Barberry-Leaf goldenBush**

**Hazardia berberidis** (A. Gray) Greene  
{In Wiggins as Haplopappus berberidis A. Gray]  
BC endemic. Status in CFP: 1B, 5.

{BC: Moran 13438 (SD 63535)}

This BC endemic occurs near the immediate Pacific coast in nw BC from Tijuana south to El Rosario and on the adjacent islands of Los Coronados & Todos Santos.

Ecoregions: CSS, CHA, CSU, PI (Coronados, Todos Santos)

**San Clemente Island goldenBush**

**Hazardia cana** (A. Gray) Greene  
{syn = Haplopappus canus (A. Gray) Blake, Diplodistephium canum A. Gray]  
Status in CFP: 1B, 5; Listed: CNPS 1B.2.

{BC: Moran 13801 (SD 64605)}

This species is only known from Guadalupe Island in our region.

Ecoregions: PI (Guadalupe); Wider distrib.: CA (San Clemente Island)

**San Clemente Island goldenBush**

**Hazardia enormidens** (Moran) W.D. Clark  
{BC: Moran 22343 (SD 91473)}

This BC endemic occurs only on the western & southern foothills of the SSPM in nw BC.

Ecoregions: CHA, CD

**Foothill goldengrub**

**Hazardia ferrisiae** (S.F. Blake) W.D. Clark  
{In Wiggins as Haplopappus ferrisiae S.F. Blake]  
BC endemic. Status in CFP: 1B, 5.

{BC: Moran 14107 (SD 65801)}

This BC endemic occurs only in the vicinity of Colonet in nw BC.

Ecoregions: CSS, CSU

**Colonet Hybrid goldengrub**

**Hazardia ferrisiae × H. berberidis**  
BC endemic.

{BC: Moran 14070 (SD 65789)}

This rare interspecific hybrid is only known from the vicinity of Colonet where both parent species overlap.

Ecoregions: CSU

**Colonet Hybrid goldengrub**

**Hazardia odontolepis** (Moran) W.D. Clark  
{In Wiggins as Haplopappus odontolepis Moran]  

{BC: Moran 20789 (SD 88844)}

This BC endemic occurs mostly in the northern half of the CD and ranges from the s SSPM south to the vicinity of the SBOR.

Ecoregions: CHA, CD

**Central Desert goldengrub**

**Hazardia orcuttii** (A. Gray) Greene  
{In Wiggins as Haplopappus orcuttii A. Gray]  
Status in CFP: 1B, 5; Listed: NOM P. CT. CNPS 1B.1.

{BC: Moran 14516 (SD 64880)}

This rare species occurs mostly in nw BC along the immediate coast with a disjunct population in sw San Diego County in CA.

Ecoregions: CSS, CSU, PI; Wider distrib.: CA (s San Diego County)

**Orcutt goldengrub**

**Hazardia orcuttii × H. berberidis**  
BC endemic.

{BC: Moran 14516 (SD 64880)}

This rare interspecific hybrid is only known from the vicinity of Ensenada.

Ecoregions: CSS

**Ensenada Hybrid goldengrub**

**Hazardia rosarica** (Moran) W.D. Clark  
{In Wiggins as Haplopappus rosaricus Moran]  
BC endemic. Status in CFP: 1B, 5.

{BC: Moran 15384 (SD 68044)}

This BC endemic occurs only in the vicinity of El Rosario in nw BC.

Ecoregions: CSU

**El Rosario goldengrub**

**Hazardia squarrosa** (Hook. & Arn.) Greene var. *grindelioides* (DC.) W.D. Clark  
{In Wiggins as Haplopappus squarrosus Hook & Arn. subsp. grindelioides (DC.) Keck}  
{BC: Moran 13611 (SD 64062); BCS: R. Domínguez C. 1175 (HCIB 14646?)}

This species occurs mostly in extreme nw BC between Tecate and Santo Tomás.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA

**Sawtooth goldengrub**

**Hazardia stenolepis** (H.M. Hall) Hoover  
{syn = Haplopappus squarrosus Hook & Arn. subsp. stenolepis H.M. Hall]}  
Status in CFP: 1B, 5.

{BC: Moran 29374 (SD 106407)}

This species occurs mostly in the western foothills of the SSPM and may represent an undescribed species that differs from the CA plants.

Ecoregions: CSS, CHA; Wider distrib.: CA

**Chaparral goldengrub**

**Hazardia vernicosa** (Brandegee) W.D. Clark  
{In Wiggins as Haplopappus vernicosus Brandegee]  
BC endemic. Status in CFP: 1B, 5.

{BC: Moran 22607 (SD 94499)}

This BC endemic occurs mostly in the northern half of the CD and ranges from the s SSPM south to the vicinity of the SBOR.

Ecoregions: CHA, CD

**Ensenada Hybrid goldengrub**

**Hazardia vernicosa × H. enormidens**  
BC endemic.

{BC: Moran 22614 (SD 94499)}

This BC endemic occurs from the higher elevations of the SSPM may represent a undescribed species that differs from the CA plants.

Ecoregions: CHA, CD
This subspecies is endemic to dune habitats along the western coast of BC and nw BC from Ensenada south to Laguna San Ignacio.

Ecoregions: CSS, CSU, CD, WD
DUNE SUNFLOWER, GRAY SUNFLOWER; MARGARITA, MIRASOL DE LAS DUNAS

Helianthus petiolaris Nutt. subsp. canescens (A. Gray) D.J. Keil
[In Wiggins as Helianthus niveus (Benth.) Brandegee subsp. canescens (A. Gray) Heiser]
{BC: Moran 27915 (SD 104380)}
This very rare native subspecies occurs in nw BC between Ojos Negros & Valle de La Trinidad.
Ecoregions: CHA; Wider distrib.: sw USA
GRAY PRAIRIE SUNFLOWER

Helianthus petiolaris Nutt. subsp. petiolaris
{BC: Moran 24904 (SD 97924)}
This very rare non-native subspecies is only known from one historical collection in the vicinity of San Matías in n BC.
Ecoregions: LCD; Wider distrib.: Native to west-central USA, introduced in SON, extreme w & e USA & Canada
PRAIRIE SUNFLOWER

*Helianthus petiolaris*


Heliomeris multiflora Nutt. var. multiflora
{BC: Moran 13645 (SD 64063)}
This annual species is rare in nw BC and occurs in the s SJ.
Ecoregions: CHA; Wider distrib.: SON, CHH, COA, DUR, GUA, JAL, MIC, NLE, ZAC, AZ, NM, TX
ANNUAL FALSE GOLDFENNEYE


Heliopsis anomala (M.E. Jones) B. Turner

[In Wiggins as Heliopsis parviflora A. Gray var. rubra (Fish.) Wiggins; syn = Encelia anomala M.E. Jones, Heliopsis rubra Fish., Helianthemum parvifolium A. Gray var. rubra (Fish.) Wiggins]
{BC: Moran 10256 (SD 59489); BCS: Moran 30813}
This annual species ranges from the central CD region near SASM south to the Cape region, mostly in the mountains. This species is closely related to H. parvifolia of Sonora and southwestern USA. Plants in coastal Sonora closely match Baja Californian plants and are lumped with this mainly peninsular near-endemic.
Ecoregions: CD, WD, GCD, CPD, CPM; Wider distrib.: SON BAJA CALIFORNIA OXEYE; MIRASOL

*Helminthochara echoides* (L.) Holub
[In Wiggins as Picris echoides L.]
{BC: Moran 18567 (SD 80210)}
This non-native species occurs mostly in disturbed wetlands of urban areas in extreme nw BC.
Ecoregions: CSS; Wider distrib.: Native to Europe, naturalized throughout North America but rare in Mexico
BRISTLY OX-TONGUE; LENGUA DE GATO
Genus ref. see *Bidens*: Sherff 1955.
Heterosperma aff. brandegeei Sherff
BCS endemic.
{BCS: Rebman 7685 (SD 1579866)}
This BCS endemic species occurs mostly in the SGIG. This species is closely related to H. xanti, but differs in having long thread-like leaves that are upwardly appressed. It is possible that the specimens in the SGIG represent a different taxon than the type of H. brandegeei from the Cape region.
Ecoregions: GIG, MAG, CPL
BRANDEGEI WINGPETAL

Heterosperma pinnatum Cavanilles
{BC: Rebman 18647 (SD 200260); BCS: Moran 18716 (SD 803133)}
This species occurs on sky islands from the SLIB of s BC south to the SLL of BCS.
Ecoregions: CD, GIG, CPM; Wider distrib.: SON, widespread in n Mexico, AZ, NM, TX, Central America
WINGPETAL; ACEITILLA CHICA

Heterosperma xanti A. Gray var. carterae Sherff
BCS endemic.
{BCS: A. Carter 2633 (UC 915760)}
This very rare BCS endemic variety looks very similar to the typical variety, but differs in being very densely puberulent and only known from the northeastern Cape region.
Ecoregions: CPL
CARTER WINGPETAL; ACEITILLA

Heterosperma xanti A. Gray var. xanti
{In Wiggins as Heterosperma coreopoides Sherff; syn = Heterosperma brandegeei Sherff, Bidens xanti (A. Gray) B.L. Turner} BCS endemic.
{BC: Rebman 7685 (SD 1579866)}
Turner (2007) recognizes this species in the genus Bidens as B. xanti (A. Gray) B.L. Turner. This BCS endemic occurs from the s SGIG south to the Cape region.
Ecoregions: GCD, CPL, CPM
XANTUS WINGPETAL; ACEITILLA

Heterotheca brandegeei (B.L. Rob. & Greenm.) Semple Reference: see Heterotheca martirensis: Moran 1969
{In Wiggins as Heterotheca martirensis Moran} BC endemic. Status in CFP: 1B, 5.
{BC: Rebman 3260 (SD 139670)}
This BC endemic species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CMT
SAN PEDRO MARTIR GOLDENASTER

Heterotheca grandiflora Nutt.
{syn = Heterotheca floribunda Benth.}
{BC: Moran 24214 (SD 98074)}
This species occurs mostly at lower elevations in nw BC from Tijuana south to El Rosario.
Ecoregions: CSS, CSU; Wider distrib.: AZ, CA, NV, UT
TELEGRAPH WEEED

Heterotheca sessiliflora (Nutt.) Shinn. subsp. sessiliflora
{In Wiggins as Chrysopsis villosa (Pursh) Nutt. var. sessiliflora (Nutt.) A. Gray} Status in CFP: 2A; Listed: CNPS 1B.1.
{BC: Moran 24002 (SD 1178244)}
This BC endemic is restricted to Ángel de la Guarda Island in the Gulf.
Ecoregions: CD
ISLAND HOFMEISTERIA
**Hulsea californica** Torr. & A. Gray
Status in CFP: 1B, 5; Listed: CNPS 1B.3.
{BC: Prigge 4822 (MO 4053686)}
This very rare native species is only known in our region from one specimen collected near Mike's Sky Ranch in nw BC. This specimen is deposited at MO and needs to be verified that it is not H. mexicana which is more common in BC.
Ecoregions: CHA; Wider distrib.: CA (San Diego County)
**SAN DIEGO HULSEA**

**Hulsea mexicana** Rydb.
Status in CFP: 4, 8; Listed: CNPS 2.3.
{BC: Moran 15100 (SD 69254)}
This BC near-endemic species occurs mostly at the higher elevations of the SJ & SSPM, but also on sky islands of the CD as far south as the SBOR.
Ecoregions: CHA, CMT, CD; Wider distrib.: San Diego County of CA
**MEXICAN HULSEA, MEXICAN ALPINEGOLD**

**Hymenothrix wissizeni** A. Gray
{BC: Rehman 3173 (SD 139669)}
This species is rare in our region and only known from one specimen collected in se BC near the SLIB.
Ecoregions: CD; Wider distrib.: SON, CHH, AZ, NM
**TRANS-PECOS THIMBLEHEAD, THIMBLEHEAD**

**Hymenothrix wrightii** A. Gray
Status in CFP: 2B.
{BC: Moran 16597 (SD 71611)}
This species occurs at higher elevations in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: AZ, CA, NM, NV, UT
**PINE CUTLEAF**

**Hymenothrix wrightii** A. Gray
[In Wiggins as Hypochoeris glabra (genus misspelled)]
{BC: Moran 15080 (SD 69210)}
This species occurs at higher elevations in the SJ & SSPM of n BC.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: CA (San Diego County)
**DESSERT ALKALI GOLDENBUSH**

**Hymenothrix acradienii** (Greene) Greene, (H)Aplopappus acradenius (Greene) Greene var. oxyphylla (Greene) R.M. Beauchamp
[In Wiggins as Aplopappus acradenius (Greene) S.F. Blake subsp. oxyphyllus (Greene) H.M. Hall; syn = Isocoma acradenia subsp. oxyphylla (Greene) R.M. Beauchamp]
Status in CFP: 1B.
{BC: Moran 13351 (SD 63520)}
This uncommon native variety occurs mostly in ne BC from near Mexicali south to the vicinity of Cataviña, but also occurs rarely in the western foothills of the SJ.
Ecoregions: CHA, LCD, CD; Wider distrib.: SON, sw USA
**MEXICAN HULSEA, MEXICAN ALPINEGOLD**

**Hymenothrix wislizenii** (Hook. & Arn.) G.L. Nesom var. decumbens (Greene) G.L. Nesom
[In Wiggins as Aplopappus venetus (Kunth) S.F. Blake subsp. furburraceous (Greene) H.M. Hall; syn = Isocoma veneta (Kunth) Greene var. decumbens (Greene) Jeps. (illeg.), Isocoma veneta (Kunth) Greene var. furfuracea (Greene) R.M. Beauchamp, Isocoma decumbens Greene, Bigelowia furfuracea Greene]
Status in CFP: 1B, 6; Listed: CNPS 1B.2.
{BC: Moran 24228 (SD 98792)}
This rare native variety occurs near the immediate Pacific coast in nw BC from Tijuana south to San Quintin.
Ecoregions: CSS, CSU; Wider distrib.: CA
**DECEMBER GOLDENBUSH**

**Hymenothrix wislizenii** (Hook. & Arn.) G.L. Nesom var. menziesii (Greene) G.L. Nesom var. sedoides (Greene) Jeps.
[In Wiggins as Aplopappus venetus (Kunth) S.F. Blake subsp. oxyphyllus (Greene) H.M. Hall; syn = Isocoma oxyphylla Greene, Isocoma veneta (Kunth) Greene var. oxyphylla (Greene) R.M. Beauchamp]
Status in CFP: 3.
{BC: Dice 667 (SD 119646); BCS: Moran 19922 (SD 92636)}
This native variety occurs throughout much of w BC and is disjunct down to the vicinity of Bahía de Magdalena. It also occurs on Todos Santos Island. It should be noted that the disjunct plants in BCS may likely be an undescribed taxon.
Ecoregions: CSS, CHA, CSU, PI (Todos Santos), CD, MAG; Wider distrib.: CA
**SPREADING GOLDENBUSH**

**Hymenothrix wislizenii** (Hook. & Arn.) G.L. Nesom var. sedita (Greene) G.L. Nesom
[syn = Isocoma sedoides (Greene) Greene, Isocoma veneta (Kunth) Greene var. sedita (Greene) Jeps., Haplopappus venetus (Kunth) S.F. Blake var. sedita (Greene) Munz]
Status in CFP: 2A.
{BC: Roberts 4396 (SD 164551)}
This very rare native variety occurs only known from the coastal cliffs in the vicinity of Punta Santo Tomás in nw BC.
Ecoregions: CSS
**SAN DIEGO GOLDENBUSH**

**Hymenothrix wislizenii** (Hook. & Arn.) G.L. Nesom var. tridenta (Greene) G.L. Nesom
[In Wiggins as Aplopappus venetus (Kunth) S.F. Blake subsp. tridentata (Greene) H.M. Hall; syn = Isocoma tridentata (Greene) Greene, (H)Aplopappus tridentatus (Greene) S.F. Blake, Bigelowia tridentata Greene, Linosyris dentata Kellogg]
{BC: Philbrick 45 (SD 201215)}
This very rare variety is endemic to our region and occurs on Cedros Island in the Pacific and the adjacent peninsula in extreme sw BC and the VPEN on nw BCS.

**Isocoma acradienii** (Greene) Greene var. eremophila (Greene) G.L. Nesom
[In Wiggins as Aplopappus acradienii (Greene) S.F. Blake subsp. eremophilus (Greene) H.M. Hall; syn = Isocoma acradienii subsp. eremophila (Greene) R.M. Beauchamp]
Status in CFP: 2B.
{BC: Moran 13351 (SD 63520)}
This uncommon native variety occurs mostly in ne BC from near Mexicali south to the vicinity of Cataviña, but also occurs rarely in the western foothills of the SJ.
Ecoregions: CHA, LCD, CD; Wider distrib.: SON, sw USA
**DESSERT ALKALI GOLDENBUSH**

**Isocoma menziesii** (Hook. & Arn.) G.L. Nesom var. decumbens (Greene) G.L. Nesom
[In Wiggins as Aplopappus venetus (Kunth) S.F. Blake subsp. furburraceous (Greene) H.M. Hall; syn = Isocoma veneta (Kunth) Greene var. decumbens (Greene) Jeps. (illeg.), Isocoma veneta (Kunth) Greene var. furfuracea (Greene) R.M. Beauchamp, Isocoma decumbens Greene, Bigelowia furfuracea Greene]
Status in CFP: 1B, 6; Listed: CNPS 1B.2.
{BC: Moran 24228 (SD 98792)}
This rare native variety occurs near the immediate Pacific coast in nw BC from Tijuana south to San Quintin.
Ecoregions: CSS, CSU; Wider distrib.: CA
**DECEMBER GOLDENBUSH**

**Isocoma menziesii** (Hook. & Arn.) G.L. Nesom var. menziesii (Greene) G.L. Nesom var. sedita (Greene) G.L. Nesom
[syn = Isocoma sedoides (Greene) Greene, Isocoma veneta (Kunth) Greene var. sedita (Greene) Jeps., Haplopappus venetus (Kunth) S.F. Blake var. sedita (Greene) Munz]
Status in CFP: 2A.
{BC: Dice 667 (SD 119646); BCS: Moran 19922 (SD 92636)}
This native variety occurs throughout much of w BC and is disjunct down to the vicinity of Bahía de Magdalena. It also occurs on Todos Santos Island. It should be noted that the disjunct plants in BCS may likely be an undescribed taxon.
Ecoregions: CSS, CHA, CSU, PI (Todos Santos), CD, MAG; Wider distrib.: CA
**SPREADING GOLDENBUSH**

**Isocoma menziesii** (Hook. & Arn.) G.L. Nesom var. sedita (Greene) G.L. Nesom
[syn = Isocoma sedoides (Greene) Greene, Isocoma veneta (Kunth) Greene var. sedita (Greene) Jeps., Haplopappus venetus (Kunth) S.F. Blake var. sedita (Greene) Munz]
Status in CFP: 2A.
{BC: Roberts 4396 (SD 164551)}
This very rare native variety occurs only known from the coastal cliffs in the vicinity of Punta Santo Tomás in nw BC.
Ecoregions: CSS
**SAN DIEGO GOLDENBUSH**

**Isocoma menziesii** (Hook. & Arn.) G.L. Nesom var. tridenta (Greene) G.L. Nesom
[In Wiggins as Aplopappus venetus (Kunth) S.F. Blake subsp. tridentata (Greene) H.M. Hall; syn = Isocoma tridentata (Greene) Greene, (H)Aplopappus tridentatus (Greene) S.F. Blake, Bigelowia tridentata Greene, Linosyris dentata Kellogg]
{BC: Philbrick 45 (SD 201215)}
This very rare variety is endemic to our region and occurs on Cedros Island in the Pacific and the adjacent peninsula in extreme sw BC and the VPEN on nw BCS.

**TriColor Chrysanthemum, Painted Daisy**
This species is rather rare in our region but prefers wet, alkaline, disturbed habitats and ranges from Tijuana south to Espíritu Santo Island in the Gulf.

Ecoregions: CSS, CHA, GCD, GIG, MAG; Wider distrib.: SON, nw Mexico, sw USA

**COULTER’S HORSEWEED**

**Laennecia filaginoides** DC.

[syn = Conyza filaginoides (DC.) Hieronymus]

Status in CFP: 2B.

{BCS: León de la Luz 3007 (SD 126787)}

This species is rare in BCS and only known from the higher elevations of the SLL in BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, CHH, DUR, TX

**TRANS-PECOS HORSEWEED**

**Laennecia schiedeana** (Lessing) G.L. Nesom

[In Wiggins as Conyza subdecurrens DC.; syn = Erigeron schiedeanus Lessing, Conyza schiedeana (Lessing) Cronquist]

Status in CFP: 2B.

{BC: Morán 14268 (SD 79602); BCS: Reban 5844 (SD 145408)}

This very rare native species occurs mostly in the SSPM of n BC and in the SLL of BCS.

Ecoregions: CHA, CMT, CD, GIG, CPM; Wider distrib.: CHH, DUR, c Mexico, AZ, CO, NM

**PINELAND HORSEWEED**

**Laennecia sophiﬁca** (Kunth) G.L. Nesom

[syn = Conyza sophiﬁca Kunth]

{BC: Reban 4708 (SD 144275)}

This very rare native species occurs in the SGUAD and SLL of BCS.

Ecoregions: GIG, CPM; Wider distrib.: SON, CHH, DUR, c Mexico, AZ, NM, TX

**LEAFY MARSHTAIL; ZACATECHICHI**

**Lasthenia coronaria** (Nutt.) Ornduff

[syn = Baeria coronaria (Nutt.) A. Gray]

{BC: Morán 22810 (SD 96729)}

This rather common species occurs mostly in nw BC and ranges from Tijuana south to near Laguna Chapala in c BC and on a few adjacent Pacific islands.

Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: CA

**SOUTHERN/CROWNED/Royal Goldfields**

**Lasthenia glabrata** Lindl. subsp. coulteri (A. Gray) Ornduff

[syn = Lasthenia glabrata Lindl. var. coulteri A. Gray]

Status in CFP: 1B; Listed: CNPS 1B.1.

{BC: Morán 28300 (SD 104965)}

This species is very rare in nw BC and occurs near Ojos Negros.

Ecoregions: CHA; Wider distrib.: CA

**COULTER SALT-MARSH DAISY, COULTER GOLDFIELDS**

**Lasthenia gracilis** (DC.) Greene

[In Wiggins as Baeria chrysostoma (Fisch. & C.A. Mey.) Ornduff; syn = Baeria chrysostoma subsp. gracilis (DC.) Ferris, B. chrysostoma var. palmeri (A. Gray)]

{BC: Morán 28724 (SD 48278); BCS: Morán 19936 (SD 92607)}

This common species occurs mostly in nw BC, but also as far south as nw BCS and on adjacent Pacific islands.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD, WD; Wider distrib.: AZ, CA

**Common Goldfields**
*Launaea intybacea* (Jacq.) Beauverd
[syn = *Lactuca intybacea* Jacq.]
{BCS: R. Domínguez C. 2839 (SD 154105)}
This non-native species is only known from one specimen collected along the Gulf coast near San Evaristo to the north of La Paz in BCS.
Ecoregions: GCD; Wider distrib.: SIN, widespread in s Mexico, FL, TX, Central America, South America

Wild-Leath; Achicoria Azul

*Lessingia glandulifera* A. Gray var. *glandulifera*
{BC: Moran 26288 (SD 140793)}
This species is rather rare in nw BC and occurs on the western slopes of the SJ.
Ecoregions: CHA; Wider distrib.: AZ, CA, NV

Valley Lessinia

syris, including synonymous *Arida* (Compositae: Asteraceae). Phyto-
{In Wiggins as *Machaeranthera crispa* (Brandegee) B.L. Turner & D.B. Horne; syn = *Psilactis crispa* Brandegee, *Arida crispa* (Brande-
gee) D.R. Morgan & R.L. Hartm.}
{BCS: Moran 20154 (SD 92652)}

This rare species occurs near San Ignacio and in the SGIG of BCS. It was previously thought to be endemic to BCS until populations were discovered in coastal Sonora.
Ecoregions: VD, GCD, GIG; Wider distrib.: SON

Baja California Tansyaster

*Logfia arizonica* (A. Gray) Holub
{In Wiggins as Filago arizonica A. Gray}
{BC: Moran 28375 (SD 105262); BCS: Moran 19975 (SD 92422)}

This species occurs in BC from Tecate south to the SLIB and on a few Pacific islands, especially Guadalupe.
Ecoregions: CSS, CHA, CSU, PI, CD, WD; Wider distrib.: SON, AZ, CA

Arizona Cottonrose, Arizona Fluffweed

*Logfia depressa* (A. Gray) Holub
{In Wiggins as Filago depressa A. Gray; syn = *Oglifa depressa* (A. Gray) Chrtek. & Holub}
{BC: Moran 12635 (SD 65246)}

This small annual is rather rare in BC and ranges from Laguna Chapala south to El Arco. It should also be expected to occur in ne BC.
Ecoregions: CD; Wider distrib.: SON, AZ, CA, NV

Dwarf Cottonrose, Dwarf Fluffweed; Hierba Limpia

*Logfia filaginoides* (Hook. & Arn.) Morefield
{In Wiggins as Filago filaginoides (Nutt.) Ryd.}
{BC: Moran 10928 (SD 53904); BCS: Moran 20491 (SD 87228)}

This species occurs from nw BC south to the SGIG of BCS and on a few Pacific islands.
Ecoregions: CSS, CHA, CSU, PI, CD, WD, GCD, GIG; Wider distrib.: SON, sw USA

California Cottonrose, California Fluffweed; Hierba Limpia

*Logfia gaUlica* (L.) Coss. & Germ.
{syn = *Filago gallica* L., *Oglifa gallica* (L.) Chrtek & Holib.}
{BC: Moran 28683 (SD 107238)}

This non-native, weedy species occurs in extreme nw BC from Tijuana south to Ensenada, but should be looked for in disturbed habitats elsewhere in BC.
Ecoregions: CSS, CHA; Wider distrib.: Native to the Mediterranean region; introduced & weedy in mediterranean climates worldwide including CA, OR

Dagger-Leaf Cottonrose

Hartman, Ronald L. 1990. A conspectus of *Machaeranthera* (Aster-

**Machaeranthera tagetina** Greene
[syn = *Aster tagetinus* (Greene) S.F. Blake]
{BC: Rehman 5664 (SD 143016)}
This very rare native species occurs in the SGUAD of n BCS.
Ecoregions: PI (Coronados); Wider distrib.: San Clemente Island of CA

**Malacothrix foliosa** A. Gray subsp. *foliosa*
Status in CFP: 1B; Listed: CNPS 4.2.
{BC: M.E. Jones s.n., 10 Jan 1926 (POM 118091)}
This very rare native species has only been collected once in Mexico on Los Coronados Islands and is now likely extirpated.
Ecoregions: PI (Coronados); Wider distrib.: San Clemente Island of CA

**Leafy Desert-Dandelion**

**Malacothrix glabrata** (D.C. Eaton) A. Gray
[syn = *Malacothrix californica* DC. var. glabrata D.C. Eaton]
{BC: Moran 8076 (SD 60704); BCS: Reeder 7093 (SD 116095)}
This native species occurs mostly in BC and regions from near Mexicali in n BC south to San Ignacio in n BCS.
Ecoregions: CSS, CHA, CMT, LCD, CD, GCD, GCD; Wider distrib.: SON, w USA

**Desert-Dandelion**

**Malacothrix insularis** Greene
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 23158 (SD 95672)}
This very rare BC endemic occurs on Los Coronados Islands in the Pacific.
Ecoregions: PI (Coronados)

**Island Desert-Dandelion**

**Malacothrix similis** W.S. Davis & P.H. Raven
{BC: Moran 20947 (SD 83937); BCS: M. Domínguez L. 3414 (SD 154104)}
This species occurs both in BC and known mostly from the CD region near the SASAM, but it could also be expected in n BC.
Ecoregions: CSS, CD; Wider distrib.: SON, AZ, CA, NM, NV

**Mexican Desert-Dandelion**

**Malacothrix stebbinsii** W.S. Davis & P.H. Raven
{BC: Moran 20563 (SD 87240)}
This species is rather rare in BC and known mostly from the CD region near the SASAM, but it could also be expected in n BC.
Ecoregions: CSS, CD; Wider distrib.: SON, AZ, CA, NM, NV

**Stebbins Desert-Dandelion**

**Malacothrix xanti** A. Gray
[syn = *Malacothrix carterae* W.S. Davis nom. nud.]
BCS endemic.
{BC: Reeder 6752 (SD 101402)}
This BCS endemic occurs from the SGIG south to the Cape region and in the Bahía de Magdalena area.
Ecoregions: GCD, GIG, MAG, CPL, CPM

**Xanthus Desert-Dandelion; Endiva Sylvestre**

**Malperia tenuis** S. Watson
{BC: Moran 10215 (SD 54569); BCS: Moran 20140 (SD 92649)}
This species occurs from n BC south to the vicinity of Laguna San Ignacio in n BCS.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON

**Brown Turbans**

**Matricaria chamomilla** L.
{BC: Moran 28472 (SD 106064); BCS: M. Domínguez L. 3493 (HCIB 18821)}

**Snake’s Head**

**Malacothrix foliosa** A. Gray
{BC: Rebman 5664 (SD 143016)}
This very rare native species occurs in the SGUAD of n BCS.
Ecoregions: PI (Coronados); Wider distrib.: San Clemente Island of CA

**Desert-Dandelion**

**Malacothrix glabrata** (D.C. Eaton) A. Gray
{BC: Moran 8076 (SD 60704); BCS: Reeder 7093 (SD 116095)}
This native species occurs mostly in BC and regions from near Mexicali in n BC south to San Ignacio in n BCS.
Ecoregions: CSS, CHA, CMT, LCD, CD, GCD; Wider distrib.: SON, w USA

**Desert-Dandelion**

**Malacothrix insularis** Greene
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 23158 (SD 95672)}
This very rare BC endemic occurs on Los Coronados Islands in the Pacific.
Ecoregions: PI (Coronados)

**Island Desert-Dandelion**

**Malacothrix similis** W.S. Davis & P.H. Raven
{BC: Moran 20947 (SD 83937); BCS: M. Domínguez L. 3414 (SD 154104)}
This species occurs mostly in BC, but also on a few very islands near Mexicali in BC, south to San Ignacio in n BCS.
Ecoregions: CSS, CHA, CMT, LCD, CD, GCD; Wider distrib.: CA

**Mexican Desert-Dandelion**

**Malacothrix stebbinsii** W.S. Davis & P.H. Raven
{BC: Moran 20563 (SD 87240)}
This species occurs both in BC and known mostly from the CD region near the SASAM, but it could also be expected in n BC.
Ecoregions: CSS, CD; Wider distrib.: SON, AZ, CA, NM, NV

**Stebbins Desert-Dandelion**

**Malacothrix xanti** A. Gray
[syn = *Malacothrix carterae* W.S. Davis nom. nud.]
BCS endemic.
{BC: Reeder 6752 (SD 101402)}
This BCS endemic occurs from the SGIG south to the Cape region and in the Bahía de Magdalena area.
Ecoregions: GCD, GIG, MAG, CPL, CPM

**Xanthus Desert-Dandelion; Endiva Sylvestre**

**Malperia tenuis** S. Watson
{BC: Moran 10215 (SD 54569); BCS: Moran 20140 (SD 92649)}
This species occurs from n BC south to the vicinity of Laguna San Ignacio in n BCS.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON

**Brown Turbans**

**Matricaria chamomilla** L.
{BC: Moran 28472 (SD 106064); BCS: M. Domínguez L. 3493 (HCIB 18821)}
This rare non-native species occurs mostly in disturbed sites of nw BC near Tecate and Ensenada.
Ecoregions: CSS, CHA, GIG; Wider distrib.: Native to Europe, introduced and naturalized worldwide
GERMAN CHAMOMILE; MANZANILLA

*Matricaria discoidea DC.
[In Wiggins as Matricaria matricarioides (Less.) Porter misappl.; syn = Chamomilla suaveolens (Pursh) Rydb.]
{BC: Moran 259562 (SD 100604)}
This very rare native annual occurs in nw BC in the San Quintín area and on Guadalupe Island.
Ecoregions: CSS, PI (Gualdalupe); Wider distrib.: CA, OR
WESTERN PINEAPPLE-WEEED, VALLEY MAYWEED

Matricaria occidentalis Greene
[syn = Chamomilla occidentalis (Greene) Rydb.]
Status in CFP: 2A.
{BC: Moran 259562 (SD 100604)}
This very rare native annual occurs in nw BC in the San Quintín area and on Guadalupe Island.
Ecoregions: CSS, PI (Gualdalupe); Wider distrib.: CA, OR
WESTERN PINEAPPLE-WEEED, VALLEY MAYWEED

Melampodium cupulatum A. Gray
[syn = Eclipta pusilla M.E. Jones]
{BC: Rebmam 4300 (SD 141708)}
This species occurs in BCS from the SGUAD south to the s SGIG and disjunctly to the Sierra del Novillo in the northeastern Cape region.
Ecoregions: GIG, MAG, CPL; Wider distrib.: SON, sw USA
CUP-LEAF BLACKFOOT

Melampodium sinuatum Brandegee
This species occurs in BCS from the SGUAD south to the S SGIG and disjunctly to the Sierra del Novillo in the northeastern Cape region.
Ecoregions: GIG, MAG, CPL; Wider distrib.: SON, sw USA
CAFE/WAVY-LEAF BLACKFOOT

Microseris douglasii (DC.) Sch. Bip. subsp. platycarpha (A. Gray) K.L Chambers
[syn = Microseris douglasii var. platycarpha (A. Gray) B.L.Turner]
Status in CFP: 2A.
{BC: Moran 282227 (SD 105187)}
This annual species is rare in nw BC and occurs mostly on clay soils between Tijuana and San Quintin.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
SMALL-FLOWER MICROSERIS, SAN DIEGO SILVERPUFFS

Microseris elegans A. Gray
{BC: Moran 28288 (SD 105179)}
This rare annual occurs in nw BC in the vicinity of Ensenada on clay soils.
Ecoregions: CSS, CHA; Wider distrib.: CA
ELEGANT MICROSERIS, ELEGANT SILVERPUFFS

Milleria quinqueflora L.
{BCS: M. Domínguez L. 2925 (SD 147120)}
This annual occurs mostly in tropical deciduous vegetation of the Cape region.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico
FIVE-FLower MILLERIA; GARAGONA, ESCOBILLA

Monoptilon belliioides (A. Gray) H.M. Hall
{BC: D. Clemens 2372 (SD 133344)}
This annual appears to be relatively rare in our region and occurs in ne BC on the desert side of the SJ and in c BC near Laguna Chapala.
Ecoregions: LCD, CD; Wider distrib.: SON, sw USA
MOJAVE DESERTSTAR, BRISTLY DESERTSTAR

Nicolletia occidentalis A. Gray
{BC: (SD 97349)}
This species has only been documented a couple of times in ne BC to the west of San Felipe.
Ecoregions: LCD; Wider distrib.: se CA
HOLE-IN-THE-SAND PLANT

Nicolletia trifida Rydb.
LC endemic.
{BC: Rebmam 3668 (SD 141050); BCS: León de la Luz 4878 (SD 139935)}
This species is endemic to our region and is rather widespread and variable ranging from near Puertecitos in ne BC south to the vicinity of La Paz in BCS.
Ecoregions: LCD, CD, GD, GCD, GIG, MAG
BAJA CALIFORNIA NICOLETIA; Hierba del Venado, Quelite

Osmadenia tenella Nutt.
[In Wiggins as Calycadenia tenella (Nutt.) Torr. & A. Gray; syn = Hemizonia tenella (Nutt.) A. Gray]
{BC: Moran 23350 (SD 96850)}
This species occurs in nw BC from Tijuana to El Rosario.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
OSMADENIA

Packera moranii (T.M. Barkley) C. Jeffrey
Reference: see Senecio martirensis: Barkley 1978
In Wiggins as Senecio neomexicanus A. Gray misappl.; syn = Senecio moranii T.M. Barkley]
{BC: Moran 21133 (SD 84613); BCS: Moran 18720 (SD 149066)}
This species is endemic to sky islands in BC and n BCS. The plants from the SLIB and n BCS most likely represent an undescribed taxon that is quite different from the plants in the SSPM.
Ecoregions: CMT, CD
MORAN RAGWORT


Palafaxia arida B.L. Turner & M.I. Morris var. arida
Status in CFP: 2B.
Pectis cylindrica (Fernald) Rydb.  
[syn = Pectis prostrata Cav. var. cylindrica Fernald]  
(BC: Rebman 18650 (SD 290261); BCS: A. Carter 5275 (SD 68634))

This native annual occurs mostly in BC but ranges from Mexico south to Laguna San Ignacio in BCS.  
Ecoregions: CSS, LCD, CD, VD, GCD; Wider distrib.: SON, AZ, CA, NV  
Desert Spanish Needle, Desert Palafox

Palafoxia linearis (Cav.) Lag. var. glandulosa B.L. Turner & M.I. Mottis  
(BC: (SD 41572); BCS: Moran 7513 (SD 50554))

In the strict sense, this variety is endemic only to BC in dune habitats in the vicinity of El Barril, but glandular forms more similar to P. linearis var. l. occur randomly throughout BCS and in Sonora.  
Ecoregions: GCD, MAG; Wider distrib.: SON, SIN  
Peninsular Palafox

Palafoxia linearis (Cav.) Lag. var. linearis  
[syn = Palafoxia leucophylla A. Gray]  
(BCS: Rebman 3520 (SD 141049))

This variety occurs on coastal dunes in BCS from Laguna San Ignacio on the Pacific coast and Malegé on the Gulf coast south to the Cape region.  
Ecoregions: VD, GCD, MAG, CPL; Wider distrib.: SON, SIN  
Coast Palafox, Beach Spanish Needle

Parthenice mollis A. Gray var. peninsularis Saucx  
BCS endemic.  
(BCS: Rebman 1666 (SD 137277))

This BCS endemic variety occurs from the SGUAD south to the Cape region.  
Ecoregions: GCD, GIG, MAG, CPL  
Peninsular Monsterwort


Parthenium confertum A. Gray  
[In Wiggins as Parthenium confertum A. Gray var. lyratum (A. Gray) Rollins]  
(BCS: M. Domínguez L. 3783 (SD 160221))

This rare plant is only known from a couple of populations in the s SGIG & SLL of BCS. More taxonomic study is needed because our plants do not match the concept of P. confertum very well and may be an undescribed taxon. Specimens identified as P. bipinnatifidum (Ort.) Rollins from BCS also seem to be this taxon.  
Ecoregions: GIG, CPM; Wider distrib.: SON, SIN  
BCS endemic

Parthenium hysterocephorus L.  
[syn = Parthenium pinnatifidum Stokes, Parthenium lobatum Buckley]  
(BCS: Rebman 30495 (SD))

This very rare non-native, weedy species occurs in disturbed areas along Hwy. 1 just east of Ciudad Insurgentes and in the SLL near Los Naranjos in BCS. Although this species is native to Mexico it appears to be adventive in our region.  
Ecoregions: MAG, CPM; Wider distrib.: Native to West Indies and adjacent e Mexico & ne South America, introduced & widespread in Mexico, c & e USA, Central & South America; a weed of tropical & subtropical areas.  
SANTA MARIA FEVERFOW; FALLSA ALTAMISA

Pectis filipennis Harv. & A. Gray  
{BCS: M. Domínguez L. 230 (HCIB 4654))

This very rare species occur near La Paz & Todos Santos in the Cape region of BCS. This identity of specimens labelled as this species in our region needs to be verified.  
Ecoregions: CPL; Wider distrib.: SON, AZ, NM, TX  
THREAD-STALK CHINCHWEED

Pectis linifolia L. var. linifolia  
[syn = Pectis punctata Jacq.]  
{BCS: A. Carter 5283 (SD 68633)}

This species occurs on sky islands from the SSF south to the SLL in BCS.  
Ecoregions: CD, GCD, GIG, CLM; Wider distrib.: SON, OAX, YUC, AZ, FL, Central & South America  
Flax-Leaf Chinchweed; Romero Chico

Pectis multiseta Benth. var. ambiguia (Fernald) Keil  
{BCS: Pectis punctata Jacq.}  
{BCS: M. Domínguez L. 3999 (SD 139332)}

This BCS endemic variety occurs from near Bahía de Magdalena south into the Cape region.  
Ecoregions: GCD, MAG, CPL, CPM  
BCS endemic

Pectis multiseta Benth. var. multiseta  
BCS endemic.  
(BCS: Rebman 3399 (SD 139332))

This BCS endemic variety occurs from near Bahía de Magdalena south into the Cape region.  
Ecoregions: GCD, MAG, CPL, CPM  
BCS endemic

Pectis papposa Harv. & A. Gray var. papposa  
{BC: Moran 13622 (SD 63474); BCS: R. Domínguez C. 2891 (SD 153743)}

This common species is widespread throughout most of the Baja California peninsula from the n SJ to La Paz.  
Ecoregions: CHA, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, sw USA  
Many-Bristle Chinchweed, Desert Chinchweed; Manzanilla del Coyote, Manzanilla Cimarrona

Pectis prostrata Cav.  
[In Wiggins as Pectis urceolata Rydb.]  
{BCS: Rebman 2999 (SD 139330)}

This diminutive species is rather rare and occurs in the Cape region.  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, LA, NM, TX, Central America  
Spreading Chinchweed; Chacamo, Ojo de Pollo

Pectis rushyi Greene ex A. Gray  
[In Wiggins as Pectis palmeri S. Watson]  
{BCS: M. Domínguez L. 1407 (SD 140715)}

This relatively common species occurs from the s VD south to La Paz in BCS. Some specimens identified as P. filipes from the Bahía Concepción area are these species.
Ecoregions: GD, GI, MA; Wider distrib.: SON, SIN, AZ

**Pelucha trifida** S. Watson
{BC: Moran 10455 (SD 54162); BCS: Moran 11608 (SD 59933)}
This rare species occurs mostly on Angel de la Guarda Island in the Gulf and on Cerro San Juan in extreme ne BCS.
Ecoregions: SD, GD, Wider distrib.: SON (Tiburon & San Pedro Mártir islands)

**Pentachaeta aurea** Nutt. subsp. aurea
[In Wiggins as Chaetopappa aurea (Nutt.) Keck]
Status in CFP: 4; Listed: CNPS 4.2.
{BC: Moran 14927 (SD 72343)}
This uncommon species occurs in extreme nw BC from Tijuana to the w SSPM.
Ecoregions: CS, CH, CM; Wider distrib.: CA

**Perityle aurea** Rose
{BC: Moran 23956 (SD 97193); BCS: Webster 19618 (SD 97472)}
This near-endemic species ranges from Angel de la Guarda Island south to the vicinity of Mulegé on the Gulf coast and adjacent islands. It is also known from San Esteban Island of Sonora.
Ecoregions: GD; Wider distrib.: SON (San Esteban Island)

**Perityle californica** Benth.
{syn = Perityle deltoida S. Watson}
{BC: Moran 8117 (SD 60694); BCS: Moran 18782 (SD 94441)}
This common species occurs from the SASAM in s BC south to the Cape region and on various adjacent islands including West San Benitos Island in the Pacifc.
Ecoregions: PI (San Benitos), CD, GD, G, MAG, GD, CPL, Wider distrib.: SON, SD

**Perityle cuneata** Brandegee var. cuneata
BC endemic.
{BC: Moran 15125 (SD 67868)}
This BC endemic shrub is restricted to Guadalupe Island.
Ecoregions: PI (Guadalupe)

**Perityle crassifolia** Brandegee var. cuneata
BC endemic.
{BC: M. E. Jones 3705 (MO 810877); BCS: D. F. Howe 4435 (SD 80806)}
This species occurs in the Cape region and on Cerralvo Island. A specimen (M. E. Jones 3705) identified as this from Ensenaada and deposited at MO needs to be verified. Specimems identified as variety saxosa are likely mis-IDs.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, CHH, COL, NAY, SLP, ZAC, AZ, TX
SOUTHERN ROCK-DAISY; MANZANILLA DE BURRO

Peucedanum schottii A. Gray
[= P. schottii var. latifolium I.M. Johnst.]
{BC: Zippin 59 (SD 132191); BCS: Moran 3959 (SD 50297)}
This species occurs mostly in e BC and ne BCS ranging from Mexicali south to Mulegé.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, AZ, CA, NV, UT
PYGMY-CEDAR; ROMERO DEL DESIERTO

Pluchea parvifolia (A. Gray) Godfrey
[In Wiggins as Pluchea adnata (Humb. & Bonpl.) Mohr misappl.; syn = Pluchea adnata (Humb. & Bonpl.) Mohr var. parvifolia (A. Gray) S.F. Blake, Pluchea salicifolia (Mill.) S.F. Blake misappl., Pluchea subdecurrens Cass. var. parvifolia A. Gray]
BCS endemic.
{BCS: Reebman 1677 (SD 137274)}
This BCS endemic species occurs from San Ignacio south to the Cape region and on Cerralvo Island. It is similar in appearance to P. salicifolia but has significantly larger flowering heads.
Ecoregions: VD, GIG, MAG, CPL, CPM
BAJA CALIFORNIA CAMPBOWEED; CACHANILLA

Pluchea sericea (Nutt.) Coville
[= Tessaria sericea (Nutt.) Shinners]
{BC: Moran 18353 (SD 77233)}
This species occurs throughout most of BC, except the higher elevation mountains.
Ecoregions: CSS, CHA, CSU, LCD, CD, GCD; Wider distrib.: SON, CHH, sw USA
ARROW WEAAD; CACHANILLA

Porophyllum confertum Greene
BCS endemic.
{BCS: Reebman 3639 (SD 141040)}
This BCS endemic occurs only on Cerralvo Island and is sometimes lumped under P. gracile but has densely clustered flowering heads.
More taxonomic study is needed on this group.
Ecoregions: CPL, Cerralvo Island
CERRALVO POOREAF

Porophyllum coloratum (Kunth) DC.
[= Porophyllum simplex M.E. Jones, Porophyllum seemannii Sch.Bip.]
{BC: M.E. Jones 27775 (MO 1034675)}
This very rare native species that occurs mostly in the Sierra Madre Occidental of northern Mexico is only known from one historical specimen collected by Jones in the SLL of BCS and is deposited at MO. However, it is likely that this is a mis-ID and the specimen needs to be verified.
Ecoregions: CPM; Wider distrib.: SON, n & c Mexico
SIERRA MADRE POOREAF

Porophyllum filiforme Rydb.
[= Porophyllum filiforme A. Gray]
{BCS: M.E. Jones 2408a (MO 968926)}
This very rare native species that occurs mostly in northeastern Mexico is only known from one historical specimen collected by Jones at La Paz that is deposited at MO and recently annotated as this species. However, it is likely that this is a mis-ID and the specimen needs to be verified.
Ecoregions: GCD; Wider distrib.: COA, NLE, SLP
THREAD POOREAF

Porophyllum gracile Benth.
[In Wiggins as Porophyllum pinifolium Rydb., P. cedrense Rose & Standl. ex Rydb.]
{BC: Moran 17795 (SD 74958); BCS: R. Domínguez C. 22654 (SD 45949)}
This widespread & variable species occurs throughout most of the peninsula and adjacent Gulf & Pacific islands. It is highly variable, but some of the morphological variation appears to be geographically distinct and are recognized here e.g., P. coniferum, P. ochroleucum. More taxonomic study is needed on this species and its closely related taxa.

Pluchea odorata (L.) Cass var. odorata
[In Wiggins as Pluchea purpurascens (Sw.) DC.]
{BC: Moran 29425 (SD 106369); BCS: C.F. Harbison s.n., 14 Sep 1955 (SD 45949)}
This species occurs mostly in wetlands in nw BC from Tecate south to El Rosario and on Cedros Island.
Ecoregions: CSS, CHA, CSU, PI (Cedros), GIG; Wider distrib.: SON, SIN, widespread in Mexico & USA, Central & South America, Africa
ROSY CUPS, SALTMARSH-FLEABANE, ALKALI CAMPBOWEED; CACHANILLA, CANELON, JARA, CHIUPATLE

Pluchea carolinensis (Jacq.) G. Don
[= Pluchea symphytifolia (Mill.) Gillis]
{BC: Moran 11627 (HCIB 22654)}
This species occurs mostly in ne BC, but ranges from Mexicali south to near Cataviña and on Angel de la Guardia Island in the Gulf.
Ecoregions: CMT, LCD, CD; Wider distrib.: SON, sw USA
DESERT POOREAF; CAHUAILLO

Pluchea parvifolia (A. Gray) Godfrey
[In Wiggins as Pluchea adnata (Humb. & Bonpl.) Mohr misappl.; syn = Pluchea adnata (Humb. & Bonpl.) Mohr var. parvifolia (A. Gray) S.F. Blake, Pluchea salicifolia (Mill.) S.F. Blake misappl., Pluchea subdecurrens Cass. var. parvifolia A. Gray]
BCS endemic.
{BCS: Reebman 1677 (SD 137274)}
This BCS endemic species occurs from San Ignacio south to the Cape region and on Cerralvo Island. It is similar in appearance to P. salicifolia but has significantly larger flowering heads.
Ecoregions: VD, GIG, MAG, CPL, CPM
BAJA CALIFORNIA CAMPBOWEED; CACHANILLA

Pluchea sericea (Nutt.) Coville
[= Tessaria sericea (Nutt.) Shinners]
{BC: Moran 18353 (SD 77233)}
This species occurs throughout most of BC, except the higher elevation mountains.
Ecoregions: CSS, CHA, CSU, LCD, CD, GCD; Wider distrib.: SON, CHH, sw USA
ARROW WEAAD; CACHANILLA

Porophyllum confertum Greene
BCS endemic.
{BCS: Reebman 3639 (SD 141040)}
This BCS endemic occurs only on Cerralvo Island and is sometimes lumped under P. gracile but has densely clustered flowering heads.
More taxonomic study is needed on this group.
Ecoregions: CPL, Cerralvo Island
CERRALVO POOREAF

Porophyllum coloratum (Kunth) DC.
[= Porophyllum simplex M.E. Jones, Porophyllum seemannii Sch.Bip.]
{BC: M.E. Jones 27775 (MO 1034675)}
This very rare native species that occurs mostly in the Sierra Madre Occidental of northern Mexico is only known from one historical specimen collected by Jones in the SLL of BCS and is deposited at MO. However, it is likely that this is a mis-ID and the specimen needs to be verified.
Ecoregions: CPM; Wider distrib.: SON, n & c Mexico
SIERRA MADRE POOREAF

Porophyllum filiforme Rydb.
[= Porophyllum filiforme A. Gray]
{BCS: M.E. Jones 2408a (MO 968926)}
This very rare native species that occurs mostly in northeastern Mexico is only known from one historical specimen collected by Jones at La Paz that is deposited at MO and recently annotated as this species. However, it is likely that this is a mis-ID and the specimen needs to be verified.
Ecoregions: GCD; Wider distrib.: COA, NLE, SLP
THREAD POOREAF

Porophyllum gracile Benth.
[In Wiggins as Porophyllum pinifolium Rydb., P. cedrense Rose & Standl. ex Rydb.]
{BC: Moran 17795 (SD 74958); BCS: R. Domínguez C. 22654 (SD 45949)}
This widespread & variable species occurs throughout most of the peninsula and adjacent Gulf & Pacific islands. It is highly variable, but some of the morphological variation appears to be geographically distinct and are recognized here e.g., P. coniferum, P. ochroleucum. More taxonomic study is needed on this species and its closely related taxa.
Porophyllum maritimum Brandegee
[In Wiggins as Porophyllum portyereum Rose & Standl.]
BCS endemic.
{BCS: F. Gander 9694 (SD 29386)}
This BCS endemic occurs mostly on sandy substrates near the coast at Cabo San Lucas.
Ecoregions: CPL
Los Cabos POORELEAF

Porophyllum ochroleucum Rydb.
[syn = Porophyllum confertum Greene var. ochroleucum (Rydb.) I.M. Johnst.]
BCS endemic.
{BCS: M. Domínguez L. 483 (SD 161962)}
This BCS endemic occurs only in the Cape region and on adjacent Espiritu Santo Island and is sometimes lumped under P. gracile but has clustered flowering heads. More taxonomic study is needed on this group.
Ecoregions: CPL
Cape POORELEAF; Hierba delVENADO, PAPALOQUELITE

Porophyllum ruderale (Jacq.) Cass. var. macrocephalum (DC.) Cronquist
[In Wiggins as Porophyllum macrocephalum DC.; syn = Porophyllum ruderale (Jacq.) Cass. subsp. macrocephalum (DC.) R.R. Johnson]
{BCS: A. Carter 5295 (SD 68630)}
This species is relatively rare in BCS and occurs in the SGUAD & SGIG.
Ecoregions: SGIG; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central & South America
Poreleaf Herb; Hierba POROSA, PAPALOQUELITE

Prenanthes exigua (A. Gray) Tomb
[In Wiggins as Lygodesmia exigua (A. Gray) A. Gray]
{BC: T.S. Brandegee s.n., 14 May 1899 (UC 174633)}
This very rare plant is only known from one historical specimen collected at Santa Maria to the northwest of San Luis Gonzaga in 1889.
Ecoregions: LCD; Wider distrib.: CHH, sw USA
Brightwhite, SKELETON PLANT

Psathyrostes ramosissima (Torr.) A. Gray
{BC: Moran 14811 (SD 67285)}
This uncommon species occurs in low desert habitats of ne BC.
Ecoregions: LCD, CD; Wider distrib.: SON, AZ, CA, NV
VELVET ROSETTES, TURTLEBACK, DESERT VELVET

Pseudognaphalium bicoloreum (Davidson) Anderb.
[In Wiggins as Gnaphalium bicolor Bioletti illegit.]
{BC: Rebman 17221 (SD 194559); BCS: Moran 18760 (SD 80291)}
This species occurs mostly in nw BC and adjacent islands, but also occurs on various sky islands the length of the peninsula.
Ecoregions: CSS, CHA, CSU, PI, CD, JD, VD, GCD, GIG, CPM; Wider distrib.: CA
BICOLOR CUDWEED, TWO-COLOR RABBIT-TOBACCO; GORDOLOBO

Pseudognaphalium californicum (DC.) Anderb.
[In Wiggins as Gnaphalium californicum DC.]
{BC: Moran 22422 (SD 91152)}
This species occurs in extreme nw BC along the coast and lower foothills north of Colonet.
Ecoregions: CSS, CHA; Wider distrib.: CA, OR
CALIFORNIA EVERLASTING, CALIFORNIA RABBIT-TOBACCO; GORDOLOBO

Pseudognaphalium canescens (DC.) Anderb.
[In Wiggins as Gnaphalium wrightii A. Gray; syn = Gnaphalium canescens DC.]
Status in CFP: 2B.
{BC: Moran 13680 (SD 63496)}
This species is rare in BC in the s SJ & the SLIB.
Ecoregions: CD; Wider distrib.: SON, n & c Mexico, AZ, CA, CO, NM, OK, TX, UT
EVERLASTING CUDWEED, WRIGHT CUDWEED, WRIGHT RABBIT-TOBACCO

Pseudognaphalium jaliscense (Greenm.) Anderb.
[syn = Gnaphalium jaliscense Greenm.]
{BC: Rebman 25256 (SD 223587)}
This very rare native species is only known from one specimen in our region collected in the SLIB of s BC.
Ecoregions: CD; Wider distrib.: SON, JAL, NAY, AZ, CO, NE, NM, TX
JALISCO CUDWEED, JALISCO RABBIT-TOBACCO

Pseudognaphalium leucoccephalum (A. Gray) Anderb.
[syn = Gnaphalium leucoccephalum A. Gray]
Status in CFP: 2B; Listed: CNPS 2.2.
{BCS: Rebman 7057 (SD 159088)}
This species is similar to P. viscosum but has wider, white, opaque phyllaries and smooth achenes and is apparently rare in the Cape region at lower elevations.
Ecoregions: CPL; Wider distrib.: SON, SIN, CHH, DUR, AZ, CA, NM
WHITE-HEALD CUDWEED

*Pseudognaphalium luteoalbum* (L.) Hilliard & B.L. Burtt.
[syn = Gnaphalium luteo-album L.]
{BC: Rebman 5550 (SD 152071)}
This non-native species prefers wet areas and occurs mostly in nw BC and adjacent Pacific islands and discontinuity to the SLIB of s BC.
Ecoregions: CSS, CHA, CMT, CSU, PI; Wider distrib.: Native to Eurasia, naturalized in SON, widespread in USA & worldwide
RED-TIP RABBIT-TOBACCO, EVERLASTING CUDWEED, JERSEY CUDWEED

Pseudognaphalium macounii (Greene) Kartesz
Status in CFP: 2B.
{BC: Moran 15622 (SD 69118)}
This species occurs at higher elevations in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: SON, CHH, DUR, GUA; widespread in USA, s Canada
MACOUN RABBIT-TOBACCO
Pseudognaphalium microcephalum (Nutt.) Anderb.
[In Wiggins as Gaphalium microcephalum Nutt.; syn = Gaphalium canescens DC. subsp. microcephalum (Nutt.) Stebbins & D.J. Keil]
{BC: Moran 14559 (SD 68137)}
This species occurs mostly in nw BC, on Los Coronados Islands, and disjunctly to the SASAM.
Ecoregions: CSS, CHA, CMT, PI (Coronados), CD
SAN DIEGO RABBIT-TOBACCO, WHITE EVERLASTING

Pseudognaphalium oxyphyllum (DC.) Kirp.
[In Wiggins as Gaphalium oxyphyllum DC.]
{BCs: Chambers 904 (SD 50377)}
This rare species occurs in the SGUAD and SLL of BCS.
Ecoregions: GIG, CPM; Wider distrib.: SON, CHH, DUR, AZ, NM, TX
PRINGLE RABBIT-TOBACCO

Pseudognaphalium pringlei (A. Gray) Anderb.
[syn = Gaphalium pringlei A. Gray]
{BC: Rebman 6056 (SD 145948)}
This species occurs in the sky islands of the SGUAD, SSF, & SLL of BCS.
Ecoregions: CD, GIG, CPM; Wider distrib.: SON, CHH, DUR, AZ, NM, TX
PRINGLE RABBIT-TOBACCO

Pseudognaphalium ramosissimum (Nutt.) Anderb.
[syn = Gaphalium ramosissimum Nutt.]
{BC: Moran 29945 (SD 110227)}
This rare species occurs in extreme nw BC and on the adjacent Los Coronados Islands.
Ecoregions: CSS, PI (Coronados); Wider distrib.: CA
PINK RABBIT-TOBACCO

Pseudognaphalium roseum (Kunth) Anderb.
[syn = Gaphalium roseum Kunth]
{BCs: Shin de la Luz 6052 (SD 148992)}
This very rare species is only known in our region from one specimen collected in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SIN, CHH, widespread in e & s Mexico, CA, Central America.
ROSY CUDWEED, ROXY RABBIT-TOBACCO

Pseudognaphalium semiamplexicaule (DC.) Anderb.
[syn = Gaphalium semiamplexicaule DC.]
{BCs: M.E. Jones 24632 (POM 162830)}
This rare species is only known from our region in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: e Mexico
CLASP-LEAF RABBIT-TOBACCO

Pseudognaphalium stramineum (Kunth) Anderb.
[In Wiggins as Gaphalium chilense Spreng.; syn = Gaphalium stramineum Kunth]
{BC: Hodgson 8799 (SD 145171); BCS: M. Domínguez L. 3450 (SD 1535754)}
This native species is relatively common in nw BC; also known from Cedros & Guadalupe islands, and s BCS.
Ecoregions: CSS, CHA, CMT, PI (Cedros, Guadalupe), CD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, native from South America to w North America, naturalized in e USA
COTTONRATTING PLANT; GORDOLOBO

Pseudognaphalium viscosum (Kunth) Anderb.
[syn = Gaphalium viscosum Kunth]
{BCs: A. Carter 2266 (RSA 463829)}
This species is similar to P. leucocephalum but has more narrow, tawny to silvery, shiny phyllaries and achenes with a rough surface. It occurs in the SLL and near Cabo San Lucas in BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, scattered in Mexico at higher elevations, TX, Central America
STICKY RABBIT-TOBACCO

Psilocarpus brevissimus Nutt. var. brevissimus
Status in CFP: 2B.
{BC: Moran 16114 (SD 71479)}
This rare species occurs in vernal pools of nw BC between Tecate and Colonet.
Ecoregions: CSS, CHA, CSU; Wider distrib.: w USA, w Canada, South America
WOLLY MARBLES, DWARF WOOLLY-HEADS

Psilocarpus tenellus Nutt.
{BC: Moran 21820 (SD 91269)}
This rare species occurs mostly in vernal pool habitats of nw BC between Tijuana and Colonet.
Ecoregions: CSS, CSU; Wider distrib.: w USA, sw Canada
SLENDER WOOLLY-HEADS

Psilocarpus cooperi (A. Gray) Greene
{BC: Rebman 3665 (SD 141037); BCS: Moran 19968 (SD 92645)}
This species occurs commonly in BC in the CD and less so in the LCD along the eastern base of SJ & SSPM. It also occurs rarely in nw BC in the mountains of the w VPEN.
Ecoregions: LCD, CD, CV; Wider distrib.: SON, AZ, CA, NV, UT
WHITE-STEM PAPERFLOWER, PAPER-Daisy

Rafinesquia californica Nutt.
{BC: Moran 25988 (SD 100971)}
This species occurs in nw BC and on adjacent islands.
Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: SON, AZ, CA, NV, OR
CALIFORNIA CHICORY

Rafinesquia neomexicana A. Gray
{BC: Moran 17166 (SD 76875); BCS: Moran 19863 (SD 92785)}
This species occurs in extreme nw BCS and throughout most of BC except the northwestern portion.
Ecoregions: CHA, CMT, LCD, CD, CV; Wider distrib.: SON, sw USA
DESSERT CHICORY, NEW MEXICO PLUMESeed

Runfordia connata Brandegee
BCS endemic.
{BCs: A. Carter 3371 (SD 48999)}
This BCS endemic occurs mostly in the SLL of the Cape region.
Ecoregions: CPL, CPM
CAPE RUMFORDIA, TACOTE CEROso

Sabatia purpusii Brandegee
[syn = Tricarpha purpusii (Brandegee) Longpre]
BCS endemic.
{BCs: C.A. Purpus s.n. (UC 89641)}
This very rare BCS endemic was only known from one historical specimen at San Felipe in the southern Cape region, but was recently documented in the Sierra El Taste.
Ecoregions: CPM
PURPUS SABAZIA

Sanvitalia abertii A. Gray
Status in CFP: 2B; Listed: CNPS 2.2.
{BC: Moran 18615 (SD 79951)}
This rare species occurs in the s SJ and in the SLIB of BC.
Ecoregions: CHA, CD; Wider distrib.: SON, CHH, COA, AZ, CA, NM, TX
ABERT CREEPING ZINNIA, ABERT SANVITALIA

Schkuhria multiflora Hook. & Arn.
[syn = Bahia neomexicana (A. Gray) A. Gray, Schkuhria neomexicana A. Gray]
{BC: Wiggins 16617 (DS 688572)}
This very rare native species is only known from one historical specimen collected at La Encantada meadow in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: CHH, sw USA & TX, South America
MANY-FLOWER FALSE THREADLEAF

Senecio aphanactis Greene
Status in CFP: 2A; Listed: CNPS 2.2.
{BC: Moran 19533 (SD 84236); BCS: Moran 19998 (SD 92786)}
This rather rare species occurs mostly in nw BC but extends south into the n CD, in extreme nw BCS, and on Cedros Island. Specimens from Cedros Island identified as S. sylvaticus L. are most likely this species.
Ecoregions: CSS, CSU, PI (Cedros), CD, VD; Wider distrib.: CA CALIFORNIA GROUNDSEL, CHAPARRAL RAGWORT

Senecio californicus DC. var. ammophilus (Greene) Greenm.
{BC: Moran 19553 (SD 60697); BCS: Moran 19935 (SD 92642)}
This coastal variety is endemic to our region and occurs mostly on sandy substrates in nw BC and differs from variety californicus in having larger, hemispheric heads with dark-tipped involucral bracts, and fleshy, deeply lobed leaves. It has also been documented once in the w VPEN of nw BCS.
Ecoregions: CSS, CSU, SV, Baja California FOOT RAGWORT

Senecio californicus DC. var. californicus
{BC: Moran 19553 (SD 84229); BCS: León de la Luz 3217 (HCIB 14287)}
This variety occurs mostly in nw BC and ranges south in the CD to extreme n BCS. It differs from variety ammophilus in having a wider distribution away from the immediate coast and having smaller more cylindrical heads, thin leaves, and involucral bracts that do not have obvious dark tips.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: CA CALIFORNIA RAGWORT

Senecio cedrosensis Greene
{syn = Senecio benentis Moran nom. nud.}
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 20331 (SD 86984)}
This BC endemic is restricted to Cedros and San Benitos Islands. However, more taxonomic work is needed because the plants on West San Benitos Island may represent a separate species and have sometimes been misidentified as S. lyoni.
Ecoregions: PI (Cedros, San Benitos) CEDROS RAGWORT

Senecio flaccidus Less. var. douglasii (DC.) B.L. Turner & T.M. Barkley
{In Wiggins as Senecio douglasii DC. var. douglasii} Status in CFP: 2A.
{BC: F. Gander 9599 (SD 29288)}
This variety is more common in BC than variety douglasii and occurs in extreme nw BC, the n CD, and extreme n VD in widely separate populations.
Ecoregions: CSS, CHA, CMT, CD, VD; Wider distrib.: SON, sw USA SAND WASH GROUNDSEL, SMOOTH THREAD-LEAF RAGWORT

Senecio flaccidus Less. var. monoensis (Greene) B.L. Turner & T.M. Barkley
{In Wiggins as Senecio douglasii DC. var. monoensis (Greene) Jeps.}
{BC: R.F. Thorne 56057 (SD 124257)}
This variety occurs mostly in e BC and on sky islands south to V3V in n BC. This perennial species is often confused with the annual S. californicus.
Ecoregions: CSS, CHA, CSU, CD, GCD; Wider distrib.: SON, AZ LEMMON RAGWORT, LEMMON GROUNDSEL

Senecio lyonii A. Gray
Status in CFP: 4.
{BC: Moran 12695 (SD 65269); BCS: Moran 23896 (SD 95433)}
This species occurs mostly in e BC and on sky islands south to V3V in n BC. This perennial species is often confused with the annual S. californicus.
Ecoregions: CSS, CHA, CSU, CD, GCD; Wider distrib.: SON, AZ LEMMON RAGWORT, LEMMON GROUNDSEL

Senecio martirensis T.M. Barkley
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 15453 (SD 68901)}
This BC endemic is restricted to higher elevations of the SSPM.
Ecoregions: CMT SAN PEDRO MARTIR RAGWORT

Senecio mohavensis Tort. & A. Gray in A. Gray
{BC: Moran 19612 (SD 92789); BCS: Moran 20018 (SD 92790)}
This uncommon desert annual species occurs mostly in e BC, but also in the VPEN of nw BCS.
Ecoregions: LCD, CD, VD, GCD; Wider distrib.: SON, AZ, CA, NV MOJAVE GROUNDSEL, MOJAVE RAGWORT

Senecio palmeri A. Gray
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 6653 (SD 48150)}
This very rare BC endemic is restricted to Guadalupe Island.
Ecoregions: PI (Guadalupe)
GUADALUPE RAGWORT

_Senecio spartioides_ Torr. & A. Gray
[syn = Senecio toiyabensis Welsh & Goodrich, Senecio spartioides var. granularis Maguire & A. Holmgren ex Cronquist]
Status in CFP: 2B.
{BC: Moran 11276 (SD 54406)}
This species occurs at higher elevations in the SSPM of n BC.
Ecoregions: CMT, Wider distrib.: w USA
BROOM-LIKE RAGWORT

*Seneccio vulgaris_ L.
{BC: Moran 30041 (SD 110367)}
This non-native occurs mostly in disturbed urban areas of nw BC.
Ecoregions: CSS, Wider distrib.: Native to Eurasia; naturalized in SON, and most likely elsewhere in Mexico, a widespread weed in USA & Canada
COMMON GROUNDSEL, OLD-MAN-IN-THE-SPRING

*Silybum marianum_ (L.) Gaertn.
[syn = Mariana mariana (L.) Hill, Carduus marianus L.]
{BC: Moran 28678 (SD 107225)}
This uncommon species occurs in the SJ and its transitional areas to the LCD.
Ecoregions: CMT, LCD; Wider distrib.: CA
MILK THISTLE; CARDO MARIANO

_Solidago confinis_ A. Gray
Status in CFP: 2A.
{BC: D. Clemons 1640 (SD 120994)}
This uncommon species occurs in the SJ and its transitional areas to the LCD.
Ecoregions: CMT, LCD; Wider distrib.: CA
MARSH GOLDENROD, SOUTHERN GOLDENROD

_Solidago simplex_ Kunth var. _simplex_ [syn = Solidago spathulata DC. var. neomexicana (A. Gray) Cronquist]
Status in CFP: 2B.
{BC: Moran 15455 (SD 68868)}
This rare species occurs at higher elevation of the SSPM.
Ecoregions: CMT, Wider distrib.: Widespread in USA (not in CA) & Canada
MT. ALBERT GOLDENROD

_Solidago velutina_ DC. subsp. _californica_ (Nutt.) Semple
[In Wiggins as Solidago californica Nutt.] Status in CFP: 2A.
{BC: Moran 15723 (SD 69348)}
This species occurs mostly in nw BC, but is also known from extreme n CD region and in transition areas of the LCD region. Specimens identified as variety velutina are most likely this taxon.
Ecoregions: CSS, CHA, CMT, LCD, CD; Wider distrib.: CA, OR CALIFORNIA GOLDENROD

_Solidago velutina_ DC. subsp. _sparsiflora_ (A. Gray) Semple
[syn = Solidago sparsiflora A. Gray]
Status in CFP: 2B.
{BC: Moran 24867 (SD 98235)}
This rather rare subspecies occurs in the SJ & SSPM of n BC.
Ecoregions: CHA, CMT, Wider distrib.: SON, sw USA
GREAT BASIN GOLDENROD, THREE-NERVE GOLDENROD

*Sonchus asper_ (L.) Hill subsp. _asper_
{BC: Moran 22806 (SD 94606); BCS: Rebman 4713 (SD 142258)}
This non-native weedy species occurs mostly in nw BC, but is known from various disturbed habitats throughout the peninsula.
Ecoregions: CSS, CHA, CMT, CD, VD, GCD, GIG; Wider distrib.: Native to Europe; naturalized in SON, SIN, a widespread weed worldwide
PRICKLY SOW-THISTLE, SPINY SOW-THISTLE; CHICALOTILLO, CHINITA, LECHUGA DE LIEBRE, MORRAJA, CARDO DE PuerCO, LECHUGUILDA ESPINOSA

*Sonchus oleraceus_ L.
{BC: Moran 21727 (SD 91069); BCS: M. Domínguez L. 3000 (SD 146656)}
This non-native weedy species occurs throughout the peninsula and is especially common in disturbed urban habitats.
Ecoregions: CSS, CSU, PI, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: Native to Europe; naturalized in SON, SIN, a widespread weed worldwide
COMMON SOW-THISTLE; DIENTE DE LEÓN, LECHUGUITA, EnVIDIA, LECHONA, ENDIVIA, CHINITA, LECHUGUILDA COMÚN

*Sonchus tenerrimus_ L.
{BC: Moran 16933 (SD 76873); BCS: Moran 19829 (SD 92404)}
This non-native species occurs mostly on Pacific islands, but also on the western side of the peninsula from San Quintín south to the VPEN.
Ecoregions: CSU, PI, CD, VD; Wider distrib.: Native to s Europe; naturalized in CA, w Asia, n Africa
SLENDER SOW-THISTLE

_Sphaeromeria martirensis_ (Wiggins) A.H. Holmgren, L.M. Shultz & T.K. Lowrey
[syn = Tanacetum bajacalifornicum Moran illegit., Tanacetum martirensis Wiggins]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 23720 (SD 94751)}
This BC endemic occurs at higher elevations in the SSPM.
Ecoregions: CMT
SAN PEDRO MARTIR CHICKENSAGE

_Stebbinsoseris heterocarpa_ (Nutt.) K.L. Chambers
[In Wiggins as Microseris heterocarpa (Nutt.) K.L. Chambers]
Status in CFP: 2B.
{BC: Moran 20802 (SD 88812)}
This uncommon annual species occurs mostly in nw BC, on Guadalupe Island, and in the n CD on clay soils.
Ecoregions: CSS, PI (Guadalupe), CD; Wider distrib.: AZ, CA
GRASSLAND STEBBINSOSERIS, GRASSLAND SILVERPUFFS

_Stenotus pulvinatus_ (Moran) G.L. Nesom
[In Wiggins as Haplopappus pulvinatus Moran]
{BC: Moran 25596 (SD 100264)}
This rare BC endemic occurs only at higher elevations in the SSPM.
Ecoregions: CMT
SAN PEDRO MARTIR GOLDENBUSH

_Stephanomeria diegensis_ Gottlieb
{BC: Moran 6805 (SD 49322)}
This species occurs in nw BC and on adjacent Pacific Islands.
Ecoregions: CSS, CHA, CSU, PI; Wider distrib.: CA
SAN DIEGO WREATH-PLANT, SAN DIEGO WIRE-LETUCE

_Stephanomeria exigua_ Nutt. subsp. _deanei_ (J.F. Macbr.) Gottlieb
[In Wiggins as Stephanomeria exigua var. deanei J.F. Macbr.]
This subspecies occurs mostly in nw BC.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA, NV, OR
TALL WREATH-PLANT, WAND WIRE-LETTUCE

Stevia micrantha Lag.
{BCS: Rehman 5796 (SD 143146)}
This species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: Widespread in Mexico (not in SON or SIN), AZ, NM
ANNUAL CANDYLEAF

Stevia origanoides Kunth
[In Wiggins as Stevia rhombifolia Kunth misappl.]
{BCS: A. Carter 3475 (SD 481173)}
This species occurs in the SLL of BCS. Specimens identified as S. ovata Willd. (synonym = S. rhombifolia) are actually this species.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in w & s Mexico
TROPICAL CANDYLEAF

Stevia salicifolia Cav. var. salicifolia
[syn = Stevia angustifolia Kunth, Stevia integra S.F. Blake, Stevia flourensioides S.F. Blake, Stevia foliosa Small, Stevia stenophylla A. Gray]
{BCS: C.A. Purpus 2551 (MO 2091429)}
This very rare, presumably native species is only known from one historical specimen collected by Purpus in 1901 at San José del Cabo in BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, NM, TX
WILLOW-LEAF CANDYLEAF

Stylocline gnaphaloides Nutt.
{BC: Moran 28374 (SD 105212); BCS: D.E. Breedlove 62347 (UCR 109491)}
This small annual species occurs mostly in nw BC, but also in the SASAM of c BC and is disjunct to Bahía Tortugas in extreme nw BCS.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: SON, AZ, CA
EVERLASTING NEST-STRAW

Stylocline micropoides A. Gray
{BC: R.F. Thorne 61701 (RSA 349226)}
This rare annual has only been collected once in ne BC in Guadalupe Canyon on the eastern side of the SJ.
Ecoregions: LCD; Wider distrib.: SON, CHH, sw USA
WOOLLYHEAD NEST-STRAW, DESERT NEST-STRAW

Symphyotrichum frondosum (Nutt.) G.L. Nesom
[In Wiggins as Aster frondosus (Nutt.) Torr. & A. Gray]
Status in CFP: 2B.
{BC: Moran 29899 (SD 110138)}
This rare species occurs only in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: w USA, sw Canada
SHORT-RAY ALKALI ASTER

Symphyotrichum lanceolatum (Willd.) G.L. Nesom var. hesperium (A. Gray) G.L. Nesom
Status in CFP: 2B.
{BC: A. Rodriguez s.n. 1 Feb 1985 (SD 119560)}
This rare species has only been collected once in our region in nw BC in the vicinity of El Descanso.
Ecoregions: CSS; Wider distrib.: SON, CHH, w USA, w Canada
WHITE PANICLE ASTER, WESTERN ASTER
**Symphyotrichum spathulatum** (Lindl.) G.L. Nesom var. spathulatum

[In Wiggins as Aster occidentalis (Nutt.) Torr. & A. Gray var. delectabilis (H.M. Hall) Ferris]

Status in CFP: 2B.

\{BC: Moran 15399 (SD 68929)\}

This species occurs in the SJ & SSPM of n BC.

Ecoregions: CMF; Wider distrib.: SON, SIN, & widespread in Mexico, Central America

**SOUTHERN LICORICE MARIGOLD; ANÍS DE LA SIERRA, PARREALEÑA, ANÍS DE MONTE**

**Tagetes erecta** Brandgeee

BCS endemic.

\{BCS: Rebman 5840 (SD 145400)\}

This BCS endemic occurs in the SLL of the Cape region.

Ecoregions: CPM

**LA LAGUNA MARIGOLD; CEMPASUCHITL DE LA SIERRA**

**Tagetes micrantha** Cav.

\[syn = Tagetes fragrantissima Sesse & Moc.\]

\{BCS: M.E. Jones s.n., 20 Sep 1930 (POM 192574)\}

This species only occurs in the higher mountains of the Cape region & is often confused with T. filifolia.

Ecoregions: CPM; Wider distrib.: SON, n & s Mexico, AZ, NM, TX

**LICORICE MARIGOLD; ANISILLO, ANÍS DE LA SIERRA**

**Tagetes subulata** Cerv.

\{BCS: M. Domínguez L. 78 (SD 130813)\}

This uncommon species occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w & s Mexico, Central & South America

**TROPICAL MARIGOLD; ANÍS DE LA SIERRA, PARREALEÑA**

**Tanacetum parthenium** (L.) Sch. Bip.

\[syn = Chrysanthemum parthenium (L.) Bernh.\]

\{BC: Moran 27548 (SD 102725)\}

This rare non-native occurs in nw BC in the vicinity of Ensenada.

Ecoregions: CSS; Wider distrib.: Native to Europe, naturalized throughout North America, Eurasia, n Africa, but rare in Mexico & within the SJ & SSPM.

**FEVERFEE; HIERBA DE SANTA MARÍA**

**Taraxacum erythrospermum** Besser

\[syn = Taraxacum laevigatum (Willd.) DC. misappl., Taraxacum laevigatum var. erythrospermum (Besser) J. Weiss\]

\{BC: Moran 23689 (SD 94673)\}

This non-native occurs at the higher elevations in the SJ & SSPM.

Ecoregions: CHA, CMT; Wider distrib.: Native to Europe, naturalized throughout North America

**RED-SEED DANDELION, ROCK DANDELION**

**Tanacetum officinale** Webb.

\{BC: A.C. Sanders 7899 (UCR 52509)\}

This non-native occurs in the SJ & SSPM, but should be expected elsewhere in disturbed, urban habitats.

Ecoregions: CMT; Wider distrib.: Native to Europe, naturalized in SON & throughout North America, and almost worldwide

**COMMON DANDELION, DIENTE DE LEÓN**

**Tetradymia comosa** A. Gray

Status in CFP: 2A.

\{BC: Moran 26299 (SD 104346)\}

This native shrub occurs in nw BC in the western foothills of the SJ & SSPM.

Ecoregions: CSS, CHA; Wider distrib.: CA

**COTTON THORN**

**Thymophylla pentachaeta** (DC.) Small var. belenidium (DC.) Strother

[In Wiggins as Dyssodia pentachaeta (DC.) B.L. Rob.; syn = Dyssodia belenidium DC., Dyssodia pentachaeta (DC.) B.L. Rob. var. belenidium (DC.) Strother, Dyssodia thurberi (A. Gray) B.L. Rob.]
Tithonia diversifolia (Hemsl.) A. Gray

{BC: M. Domínguez L. 2420 (SD 148695)}
This species is cultivated in the Cape region and may rarely naturalize in urban settings in BCS. This herbaceous perennial is sometimes confused with the annual species T. rotundifolia (Miller) S.F. Blake.

Ecoregions: CPL; Wider distrib.: Native to tropical Mexico & Central America, commonly cultivated & naturalized in other parts of Mexico, FL, TX, Asia, Africa, & West Indies.

Trichocoronis wrightii A. Gray var. wigginsii R.M. King & H. Rob.

BCS endemic.

{BC: León de la Luz 10104 (SD 203789)}
This very rare BCS endemic variety is threatened by livestock grazing and occurs only in autumnal pool habitats of the SGIG.

Ecoregions: SGIG; Wider distrib.: SON, AZ, CA, NV.

Desert Yellow-Head

Uropappus lindleyi (DC.) Nutt.

[In Wiggins as Microseris linearifolia (Nutt.) Sch. Bip.]

{BC: Moran 17361 (SD 74750); BCS: Moran 19974 (SD 92701)}
This relatively common annual species occurs mostly in BC and on adjacent Pacific Islands.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD, VD; Wider distrib.: w USA, w Canada.

Silverbuff

Verbesina encelioides (Cav.) A. Gray

[syn = Venegasia deltoidea Rydb.]

Status in CFP: 2B.

{BC: Rebman 29426 (SD 106375); BCS: Rebman 4619 (SD 141908)}
This non-native species occurs in scattered locations throughout the peninsula, especially in disturbed and urban habitats. All plants in BC & BCS have large auricles at the base of the petiole and are this subspecies.

Ecoregions: CSS, CSU, PI; Wider distrib.: Native to e USA, naturalized in SON, SIN, CA.

Golden Crownbeard

Verbesina dissita A. Gray

Status in CFP: 1B, 6; Listed: FT, CT, CNPS 1B.1.

{BC: Moran 27627 (SD 102730)}
This species occurs naturally along the immediate Pacific coast in nw BC from Rosarito to the Colonet area with disjunct populations in Orange County, CA.

Ecoregions: CSS, CSU, PI; Wider distrib.: CA.

Big-Leaf Crownbeard

Trixis californica Kellogg var. peninsularis (S.F. Blake) C.E. Anderson

[In Wiggins as Trixis peninsularis S.F. Blake]

BCS endemic.

{BC: M. Domínguez L. 1768 (SD 140708)}
This BCS endemic variety occurs at lower elevations in the Cape region and is differentiated from var. californica by having unwinged petioles and more pubescence on the underside of the blade.

Ecoregions: CPL.

Peninsular ThreeFold; Santa Lucia

Vasc. Pl. Baja Calif. 84(840) 453-522.

Tithonia thurberi A. Gray

{BC: Rebman 4306 (SD 141696)}
This rare species occurs only in the SGUAD of BCS in our region.

Ecoregions: SGIG; Wider distrib.: SON, AZ, ARIZONA SUNFLOWERWEED; GIRASOL.

Trichocorys wrightii A. Gray

{BC: Rebman 29262 (photo voucher) (SD 244829)}
This rare non-native has naturalized in a few areas of the Cape region of BCS, but should be monitored as it could easily become a noxious weed.

Ecoregions: CPL; Wider distrib.: Introduced to Mexico, naturalized in SON, SIN, widespread in Mexico, FL, West Indies, South Ecoregions: SON, & northern Mexico, south-western USA.

Trixis californica Kellogg var. angustifolia DC. misappl.

{BC: Rebman 6411 (SD 148593); BCS: Moran 20056 (SD 92641)}
This variety is widespread on the peninsula and on various adjacent islands.

Ecoregions: CSS, CHA, CSU, PI, LCD, CD, VD, GCD, DIG, MAG, CPL; Wider distrib.: SON, SIN, & northern Mexico, southwestern USA.

California ThreeFold, California Trixis, American ThreeFold; Santa Lucia

Trixis californica Kellogg var. californica

[In Wiggins as Trixis angustifolia DC. misappl.]

{BC: Rebman 6411 (SD 148593); BCS: Moran 20056 (SD 92641)}
This variety is widespread on the peninsula and on various adjacent islands.

Ecoregions: CSS, CHA, CSU, PI, LCD, CD, VD, GCD, DIG, MAG, CPL; Wider distrib.: SON, SIN, & northern Mexico, southwestern USA.

California ThreeFold, California Trixis, American ThreeFold; Santa Lucia

Tridax procumbens (L.) L.

{BC: Rebman 29262 (photo voucher) (SD 244829)}
This rare non-native has naturalized in a few areas of the Cape region of BCS, but should be monitored as it could easily become a noxious weed.

Ecoregions: CPL; Wider distrib.: Native to tropical Mexico & Central America, commonly cultivated & naturalized in other parts of Mexico, FL, TX, Asia, Africa, & West Indies.

Tree Marigold, Giant Mexican SunFlower

Tithonia rotundifolia (L.) L.

{BC: Rebman 29262 (photo voucher) (SD 244829)}
This rare non-native has naturalized in a few areas of the Cape region of BCS, but should be monitored as it could easily become a noxious weed.

Ecoregions: CPL; Wider distrib.: Native to tropical Mexico & Central America, commonly cultivated & naturalized in other parts of Mexico, FL, TX, Asia, Africa, & West Indies.

Desert Yellow-Head

Uropappus lindleyi (DC.) Nutt.

[In Wiggins as Microseris linearifolia (Nutt.) Sch. Bip.]

{BC: Moran 17361 (SD 74750); BCS: Moran 19974 (SD 92701)}
This relatively common annual species occurs mostly in BC and on adjacent Pacific Islands.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD, VD; Wider distrib.: w USA, w Canada.

Silverbuff

Verbesina encelioides (Cav.) A. Gray

[syn = Verbesina deltoidea Rydb.]

Status in CFP: 2B.

{BC: Moran 29996 (SD 110275)}
This species occurs near the coast in extreme nw BC north of Colonet.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA.

Jesuit Flower

B. L. Rob. & Greenm.

{BC: M. Domínguez L. 42 (SD 130814)}
This very rare species occurs in the Cape region. Note specimens from BCS identified as T. longifolia seem to be this species.

Ecoregions: CPM; Wider distrib.: SIN, NAY, JAL, COL.

Winged ThreeFold
Verbesina erosa
Brandegee
BCS endemic.

{BCS: R. Domínguez C. 2255 (SD 147093)}
This BCS endemic occurs in the Cape region mostly in the SLL.
Ecoregions: CPL, CPM
CAPE CROWNBEARD

Verbesina hastata
Kellogg
[syn = Encelia cedrosensis Rose]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 18410 (SD 77980)}
This BCS endemic occurs only on Cedros Island.
Ecoregions: PI (Cedros)
CEDROS CROWNBEARD

Verbesina oligocephala
I.M. Johnst.
[syn = Verbesina palmeri S. Watson var. oligocephala (I.M. Johnst.) Felger & Moser]
{BCS: Moran 18898 (SD 100391)}
This BCS near-endemic occurs in the SGIG from the vicinity of Loreto south to Cerro Mechudo, on adjacent Santa Cruz Island in the Gulf, and in a couple of rare populations in Sonora.
Ecoregions: GCD, GIG; Wider distrib.: SW USA

Verbesina palmeri S. Watson
LC endemic.
{BC: Moran 9909 (SD 60147); BCS: Moran 9565 (SD 66712)}
This species is endemic to our region and occurs from the vicinity of San Matías in n BC south along the western side of the peninsula and on adjacent Gulf islands as far south as n BCS on V3V.
Ecoregions: LCD, CD, GCD
PALMER CROWNBEARD

Verbesina pensularis
M.E. Jones
{BC: A. Carter 4855 (SD 68570)}
This BCS endemic occurs from the vicinity of San Ignacio south to Loreto.
Ecoregions: VD, GIG

Verbesina postulata
M.E. Jones
BCS endemic.
{BC: Rehman 5792 (SD 143143)}
This BCS endemic occurs in the SGUA and SLL, but plants in the SGUA are a bit different and may represent an undescribed taxon.
Ecoregions: GIG, CPM

Wyethia ovata
Torr. & A. Gray
[syn = Agnorhiza ovata (Torr. & A. Gray) W.A. Weber]
Status in CFP: 2A.
{BC: Brey 197 (SD 133639)}
In our region, this native species is only known from the SJ of n BC.
Ecoregions: CMT; Wider distrib.: CA
SOUTHERN MULE'S EAR


Xanthisma arenarium (Benth.) D.R. Morgan & R.L. Hartm.
{BC: Turner 280 (SD 61279)}
This BCS endemic occurs mostly at lower elevations in the Cape region and rarely in the s SGIG.
Ecoregions: GCD, CPL
CAPE TANSY-ASTER

Xanthisma gracile
{BC: Moran 24509 (SD 97782)}
This annual species is rather rare in our region and known from the SJ & as a waif in the vicinity of Colonel in nw BC.
Ecoregions: CMT, CSU; Wider distrib.: SON, CHH, sw USA
ANNUAL BRISTLEWEED, SLENDER GOLDENWEED, SLENDER TANSY-ASTER

Xanthisma incisifolium
(I.M. Johnst.) G.L. Nesom
{BC: Moran 4128 (SD 50226); BCS: Moran 9338 (SD 66039)}
This species occurs mostly on islands in the southern Gulf, but also on the coast of the adjacent peninsula in the c & s SGIG.
Ecoregions: GCD; Wider distrib.: SON (San Estéban & Tiburon islands)
GULF TANSY-ASTER

Xanthisma juncceum
(Greene) D.R. Morgan & R.L. Hartm.
{BC: Moran 25095 (SD 98558)}
This species occurs in nw BC from Tijuana to the foothills near San Quintín.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
RUSH BRISTLEWEED, RUSH CHAPARRAL-STAR

Xanthisma scabrellum
(Greene) G.L. Nesom & B.L. Turner
{BC: Moran 5792 (SD 143143)}
This BCS endemic occurs in the SGUA and SLL, but plants in the SGUA are a bit different and may represent an undescribed taxon.
Ecoregions: GIG, CPM
LA LAGUNA CROWNBEARD; TACOTE CHINO

Xanthisma gracile
(I.M. Johnst.) G.L. Nesom
{BC: Turner 280 (SD 61279)}
This BCS endemic occurs mostly at lower elevations in the Cape region and rarely in the s SGIG.
Ecoregions: GCD, CPL
CAPE TANSY-ASTER

Xanthisma incisifolium
(I.M. Johnst.) G.L. Nesom
{BC: Moran 4128 (SD 50226); BCS: Moran 9338 (SD 66039)}
This species occurs mostly on islands in the southern Gulf, but also on the coast of the adjacent peninsula in the c & s SGIG.
Ecoregions: GCD; Wider distrib.: SON (San Estéban & Tiburon islands)
GULF TANSY-ASTER

Xanthisma juncceum
(Greene) D.R. Morgan & R.L. Hartm.
{BC: Moran 25095 (SD 98558)}
This species occurs in nw BC from Tijuana to the foothills near San Quintín.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
RUSH BRISTLEWEED, RUSH CHAPARRAL-STAR

Xanthisma scabrellum
(Greene) G.L. Nesom & B.L. Turner
{BC: Moran 5792 (SD 143143)}
This BCS endemic occurs in the SGUA and SLL, but plants in the SGUA are a bit different and may represent an undescribed taxon.
Ecoregions: GIG, CPM

Wyethia ovata
Torr. & A. Gray
[syn = Agnorhiza ovata (Torr. & A. Gray) W.A. Weber]
Status in CFP: 2A.
{BC: Brey 197 (SD 133639)}
In our region, this native species is only known from the SJ of n BC.
Ecoregions: CMT; Wider distrib.: CA
SOUTHERN MULE'S EAR


Xanthisma arenarium (Benth.) D.R. Morgan & R.L. Hartm.
{BC: Moran 20834 (SD 88881)}
This species occurs in BC in the vicinity of San Matías south to the Cape region of BCS.
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, AZ, CA
GOODING TANSY-ASTER, SPINY GOLDENWEED
Xanthisma spinulosum (Pursh) D.R. Morgan & R.L. Hartm. var. spinulosum
[syn = Haplopappus spinulosus (Pursh) DC., Machaeranthera pin- natifida (Hook.) Shinn.]
{BCS: M. Domínguez L. 2262 (HCIB 10173)}
This very rare native variety is only known in our region from one historical specimen collected in the SSF of n BCS.
Ecoregions: CD; Wider distrib.: SON, n Mexico, widespread in USA, Canada

[In Wiggins as Haplopappus wigginsii S.F. Blake; syn = Machaeranthera wigginsii (S.F. Blake) R.L. Hartm.]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 19174 (SD 80302)}
This BC endemic species occurs only at higher elevations in the SSPM.
Ecoregions: CMT

*Xanthium spinosum* L.
{BC: Moran 18554 (SD 80205)}
This non-native species occurs in disturbed areas of nw BC in the vicinity of Ensenada.
Ecoregions: CSS, CHA; Wider distrib.: Native to South America, naturalized in SON, and most of Mexico, USA, Canada, almost worldwide

*Zinnia violacea* Cav.
{syn = Zinnia elegans Jacq.}
{BCS: Rebman 30734 (SD)}
This very rare non-native species was discovered in 2015 as a naturalized population growing at lower elevations in the eastern side of the SLL of BCS. This showy and attractive species is often cultivated as a garden ornamental in our region.
Ecoregions: CPL; Wider distrib.: CA (se San Diego County)
HIGGINS BARBERRY
Berberis pinnata Lag. subsp. pinnata
Status in CFP: 2B.
{BC: Wiggins 3995 (SD 66927)}
This rare species occurs near the coast in extreme nw BC between Ensenada & Rosarito.
Ecoregions: CSS; Wider distrib.: CA, OR CALIFORNIA BARBERRY, SHINY-LEAF BARBERRY

Bignoniaceae
Chilopsis linearis (Cav.) Sweet subsp. arcuta (Fosb.) Henrickson
{In Wiggins as Chilopsis linearis (Cav.) Sweet}
{BC: Moran 24320 (SD 98107)}
This species occurs in n BC from the SJ south to the vicinity of Bahía San Luis Gonzaga.
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, & s Mexico, sw USA DESERT-WILLOW, MIMBRE

*Centrosperma elegans* (L.) A. Nelson & J.F. Macbr. var. mexicanum (Schlecht.) A. Nelson & J.F. Macbr.
{BC: Moran 26656 (SD 223590); BCS: Rebman 3394 (SD 139321)}
This species occurs throughout most of BCS and in extreme s BC.
Ecoregions: CPL, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, CHP, NAY, VER, AZ, Central & South America MEXICAN YEW (SAYA, ZAYA)

*Chamaesyce flagellaris* A. Carter
{BC: Rebman 25268 (SD 223590); BCS: Rebman 3394 (SD 139321)}
This species occurs throughout most of BCS and in extreme s BC.
Ecoregions: CPL, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, CHP, NAY, VER, AZ, Central & South America MEXICAN YEWSHOW; SAYA, ZAYA

Boraginaceae (incl. Ehretiaceae, Heliotropaceae, Hydrophyllaceae, & Lennoaceae)

*Amsinckia eastwoodiae* J.F. Macbr.
{In Wiggins as previously in Cochlospermaceae}
Listed: NOM Pr.
{BC: Rebman 25268 (SD 223590); BCS: Rebman 3394 (SD 139321)}
This species occurs throughout most of BCS and in extreme s BC.
Ecoregions: CPL, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, CHP, NAY, VER, AZ, Central & South America MEXICAN YEWSHOW; SAYA, ZAYA

*Crescetia alata* Kunth
{BC: M.E. Jones 24011 (POM 153536)}
This non-native species is commonly cultivated in BCS and rarely naturalizes in the Cape region.
Ecoregions: CPL, CPM; Wider distrib.: Native to s Mexico & Central America; naturalized in SON, SIN, NAY, Puerto Rico GOURD TREE, MEXICAN CALABASH, MORRITO; MORRO, CUATECOMATE, TECOMATE

*Crescetia unguis-cati* L.
{BC: León de la Luz 11800 (SD 141212)}
This non-native species is commonly cultivated in BCS and rarely naturalizes in the Cape region.
Ecoregions: CPL, CPM; Wider distrib.: Native to s Mexico & Central America; naturalized in SON, SIN, NAY, Puerto Rico GOURD TREE, MEXICAN CALABASH, MORRITO; MORRO, CUATECOMATE, TECOMATE

*Macfadyna unguis-cati* (L.) A. Gentry
{In Wiggins as Bignonia unguis-cati L.}
{BC: León de la Luz 8407 (SD 60721)}
{In Wiggins as Bignonia unguis-cati L.}
This non-native species is commonly cultivated in BCS and rarely naturalizes in the Cape region.
Ecoregions: CPL, CPM; Wider distrib.: Native to s Mexico & Central America; naturalized in SON, SIN, NAY, Puerto Rico GOURD TREE, MEXICAN CALABASH, MORRITO; MORRO, CUATECOMATE, TECOMATE

*Tabebuia donnell-smithii* *Crescentia alata* Kunth syn = Bignonia stans L.
{BC: Rebman 25268 (SD 223590); BCS: Rebman 3394 (SD 139321)}
This species occurs throughout most of BCS and in extreme s BC.
Ecoregions: CPL, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, CHP, NAY, VER, AZ, Central & South America MEXICAN YEWSHOW; SAYA, ZAYA

*Amoreuxia gonzalezii* Sprague & L. Riley
{BC: J. F. Pío León 3 (HCIB 3948)}
This very rare native species was only recently discovered in our region growing in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, JAL, AZ SANTA RITA MOUNTAIN YELLOWSHOW; SAYA, ZAYA
Amsinckia tessellata A. Gray var. tessellata

This species occurs mostly in desert areas of n BC with a few populations on the sw side of the SJ.

Ecoregions: CHA, CMT, LCD, CD, GCD; Wider distrib.: SON, sw USA

Bearded Cryptantha

Cryptantha clevelandii Greene var. clevelandii

This small-flowered variety occurs along the immediate coast in nw BC and is more common than var. florosa.

Ecoregions: CSS, CSU; Wider distrib.: CA

Coastal Cryptantha, Large-Flower Cleveland Cryptantha

Cryptantha florosa (Greene) Greene

This uncommon species occurs in n BC in the SJ south to the vicinity of San Matías.

Ecoregions: CMT, LCD; Wider distrib.: AZ, CA, NV, UT

Gravel Cryptantha

Cryptantha ganderi I.M. Johnst.

This BC endemic species occurs only on Guadalupe Island.

Ecoregions: PI (Guadalupe)

Guadalupe Cryptantha

Cryptantha intermedia (A. Gray) Greene var. intermedia

This common variety occurs mostly in nw BC & adjacent Pacific islands with a few populations in the CD region.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: AZ, CA

Nievetas Cryptantha

Cryptantha johnstonii J.F. Macbr.

This rare variety occurs along the immediate Pacific coast in extreme nw BC from Tijuana south to near Colonet. It differs from variety intermediá in having calyces that are nearly perpendicular from the stem at maturity and stems that lack upwardly appressed trichomes.

Ecoregions: CSS, CSU; Wider distrib.: CA

Johnston Nievetas Cryptantha

Ecoregions: CSS, CSU; Wider distrib.: CA
**Cryptantha maritima** (Greene) Greene var. *cedrosensis* (Greene) I.M. Jtn.
LC endemic. Status in CFP: 3.
(BC: Moran 20342 (SD 86923); BCS: *H.S. Gentry* 8684 (SD 86419))
This variety is endemic to our region and occurs mostly on Cedros Island and on the VPEN of nw BCS. It should be noted that plants from the peninsula differ slightly from the island taxon and may represent an undescribed variety.
Ecoregions: PI (Cedros), VD
CEDROS CRYPTANTHA

**Cryptantha maritima** (Greene) Greene var. *maritima* [syn = Krynitzkia maritima Greene, Krynitzkia ramosissima A. Gray “of Guadalupe Island references”]
(BC: Rebman 6835 (SD 155046); BCS: Moran 20004 (SD 92509))
This widespread & variable species occurs throughout much of the peninsula and adjacent Gulf & Pacific islands, but is rather rare in s BCS.
Ecoregions: CSS, CSU, PI, LCD, CD, VD, GCD, MAG; Wider distrib.: AZ, CA, NV
MARITIME CRYPTANTHA

**Cryptantha martirensis** M.G. Simpson & Rebman
BC endemic. Status in CFP: 1B, 5.
(BC: Rebman 15973 (SD 191478))
This BC endemic species was recently described and occurs only at higher elevations of the SSPM.
Ecoregions: CMT
SAN PEDRO MARTIR CRYPTANTHA

**Cryptantha microstachys** (A. Gray) Greene
[syn = Krynitzkia microstachys Greene ex A. Gray]
Status in CFP: 2A.
(BC: Moran 27274 (SD 102464))
This species is rather rare in our region and occurs only at higher elevations of the peninsula from ne BC south to the vicinity of Loreto and on adjacent Gulf islands.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, AZ, CA
WHITE-HAIR CRYPTANTHA, DESERT CRYPTANTHA

**Cryptantha microspermata** (Greene) Greene var. *pilosa* I.M. Jtn.
(BC: D.E. Breedlove 60920 (RSA 492326); BCS: Moran 4000 (SD 104587))
This variety is not common in our region, but occurs mostly along the eastern side of the peninsula from ne BC south to the vicinity of Loreto and on adjacent Gulf islands.
Ecoregions: LCD, CD, GCD; Wider distrib.: AZ, CA, NV
WHITE-HAIR CRYPTANTHA

**Cryptantha maritima** (Greene) Greene var. *jonesii* (A. Gray) I.M. Jtn.
[In Wiggins as Cryptantha maritima (Hook. & Arn.) A. Nelson & J.F. Macbr. var. jonesii (A. Gray)]
Status in CFP: 2B.
(BC: Moran 22179 (SD 91861))
This variety occurs mostly in the foothills & mountains of nw BC, but also on a few sky islands in the CD.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: AZ, CA
JONES CRYPTANTHA

**Cryptantha nevadensis** A. Nelson & P.B. Kenn. var. *rigida* I.M. Jtn.
Status in CFP: 2B.
(BC: Moran 20546 (SD 87112))
This rare species occurs on clay soils in nw BC and in a few populations in southern CA.
Ecoregions: CSS, CSU; Wider distrib.: CA
WIGGINS CRYPTANTHA

**Cryptantha patula** Greene
[In Wiggins as Cryptantha patula Greene]
LC endemic. Status in CFP: 1B, 9.
(BC: Oberbauer 142 (SD 127742); BCS: León de la Luz 3279 (HCIB 3578))
This species is endemic to our region and occurs from the vicinity of Colonet disjunctly south to West San Benitos Island & the VPEN of nw BCS. It appears that C. pondii is a synonym of this species.
Ecoregions: CSU, PI (San Benitos), VD
SAN BENITO CRYPTANTHA

**Cryptantha pterocarya** (Torr.) Greene var. *cycloptera* (Greene) J. F. Macbr.
Status in CFP: 3.
(BC: Moran 26926 (SD 102510); BCS: Moran 20486 (SD 87245))
This variety occurs mostly along the eastern side of the peninsula in low desert habitats from ne BC south to the vicinity of Santa Rosalía in ne BCS.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, sw USA
SINGLE-WING CRYPTANTHA, TUCSON CRYPTANTHA

**Cryptantha pterocarya** (Torr.) Greene var. *pteroxyyla* (Greene) J. F. Macbr.
[In Wiggins as Cryptantha pterocarya (Torr.) Greene (as species only)]
Status in CFP: 3.
(BC: Chisaki 1032 (SD 51692))
This variety occurs along the lower desert slopes of the SJ & SSPM from the USA/Mexico border south to the San Felipe Desert. Note there is a form of this variety with homomorphic nutlets that are all winged that occurs in extreme n BC.
Ecoregions: LCD; Wider distrib.: w USA
WING-NUT CRYPTANTHA

**Cryptantha pctocarya** (Torr.) Greene var. *purpusii* Jeps.
Status in CFP: 3.
(BC: Moran 22029 (SD 91861))
This variety is more restricted and less common than var. pterocarya and occurs in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: CA
PURPUS CRYPTANTHA

**Cryptantha utahensis** (A. Gray) Greene
(BC: Wiggins 13046 (RSA 99708))
This species is very rare in extreme n BC.
Ecoregions: LCD; Wider distrib.: AZ, CA, NV, UT
SCENTED CRYPTANTHA, UTAH CRYPTANTHA

**Cryptantha wigginii** I.M. Johnst.
Status in CFP: 1B.
(BC: Moran 30019 (SD 110406))
This species is endemic to our region and occurs from the vicinity of Colonet disjunctly south to West San Benitos Island & the VPEN of nw BCS. It appears that C. pondii is a synonym of this species.
Ecoregions: CSU, PI (San Benitos), VD
SAN BENITO CRYPTANTHA

**Cryptantha wigginsii** M.G. Simpson & Rebman
Status in CFP: 1B.
(BC: Moran 30019 (SD 110406))
This species is endemic to our region and occurs from the vicinity of Colonet disjunctly south to West San Benitos Island & the VPEN of nw BCS. It appears that C. pondii is a synonym of this species.
Ecoregions: CSU, PI (San Benitos), VD
SAN BENITO CRYPTANTHA
Emmenanthe penduliflora Benth. var. penduliflora
{BC: R.F. Thorne 55981 (SD 124114); CFS: Moran 19951 (SD 92353)}
This native annual occurs most commonly in nw BC, but also ranges into the CD and as far south as the VPEN in nw BCS. It also occurs on Guadalupe Island.
Ecoregions: CSS, CHA, CMT, PI (Guadalupe), CD, VD; Wider distrib.: sw USA
WHISPERING BELLS
Genus ref. see Cryptantha: Hasenstab-Lehman 2012.

Eremocarya lepida (A. Gray) Greene
[In Wiggins as Eremocarya micrantha (Torr.) Greene var. lepida (A. Gray) J.F. Macbr.; syn = Cryptantha micrantha subsp. lepida (A. Gray) Mathew & P.H. Raven]
{BC: Moran 15001 (SD 69225)}
This species occurs mostly in the foothills & mountains of the SJ & SSPM of nw BC and rarely on the lower eastern side of the SJ.
Ecoregions: CHA, CMT, LCD; Wider distrib.: CA

Eremocarya micrantha (Torr.) Greene var. micrantha
[syn = Cryptantha micrantha subsp. micrantha]
{BC: Moran 30772 (SD 111259)}
This variety is not very common in our region and occurs mostly in low desert habitats of ne BC.
Ecoregions: CMT, LCD; Wider distrib.: SON, sw USA

Eremocarya micrantha (Torr.) Greene var. pseudolepida M.G. Simpson, L.M. Simpson, & Rebman
Madroño 63: 39-54.
This recently described BC endemic variety occurs mostly from the vicinity of San Matías and San Felipe in ne BC south to near El Arco. It also occurs rarely in the foothills near Ensenada and Colonia.
Ecoregions: CSS, CHA, LCD
BAJA CALIFORNIA RED-ROOT CRYPTANTHA

Eriodictyon angustifolium Nutt.
[syn = Eriodictyon angustifolium var. amplifolium Brand]
Listed: CNPS 2.3.
{BC: Moran 25746 (SD 100794)}
This native shrub occurs most commonly in nw BC in the foothills and mountains of the SJ & SSPM, but it also ranges south on the sky islands of the SASAM & SBOR.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: AZ, CA, UT
NARROW-LEAF YERBA SANTA; YERBA SANTA

Eriodictyon crassifolium Benth. var. crassifolium
Status in CFP: 2A.
{BC: Moran 30112 (SD 110357)}
This rare native shrub occurs in the vicinity of La Misión in extreme nw BC.
Ecoregions: CSS; Wider distrib.: CA
FELT-LEAF YERBA SANTA, THICK-LEAF YERBA SANTA; YERBA SANTA

Eriodictyon parryi (A. Gray) Greene
[In Wiggins as Turricula parryi (A. Gray) J.F. Macbr.]
Status in CFP: 2A.
{BC: Moran 23626 (SD 94731)}
This rare native fire-following shrub occurs in nw BC in the s SJ and the w SSPM.
Ecoregions: CHA; Wider distrib.: CA
POODLE-DOG BUSH

Eriodictyon sessilifolium Greene
{BC: Moran 13969 (SD 64773)}
This BC endemic shrub occurs in nw BC from the vicinity of Ensenada south to San Quintín. A population was recently discovered in San Diego County, CA, but we are unsure at this time whether it is a native occurrence or not.
Ecoregions: CSS, CHA, CSU
BAJA CALIFORNIA YERBA SANTA; YERBA SANTA

Eriodictyon trichocalyx A. Heller var. lanatum (Brand) Jeps.
[In Wiggins as Eriodictyon lanatum (Brand) Abrams; syn = Eriodictyon trichocalyx subsp. lanatum (Brand) Munz]
Status in CFP: 4.
{BC: Moran 27323 (SD 102457)}
This native variety occurs in extreme nw BC in the foothills and mountains of the SJ.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
SHINY-LEAF YERBA SANTA; YERBA SANTA

Eucrypta chrysanthemifolia (Benth.) Greene var. bipinnatifida (Torr.) Constance
{BC: Moran 25323 (SD 101231); BCS: M. Domínguez L. 190 (SD 139901)}
This native variety occurs most commonly in desert parts of the peninsula from ne BC south to c BCS. It also occurs in the CSU area between San Quintín & El Rosario and on Guadalupe Island.
Ecoregions: CHA, CMT, PI (Guadalupe), LCD, CD, VD, GCD, GIG, MAG; Wider distrib.: SON, sw USA

Eucrypta chrysanthemifolia (Benth.) Greene var. chrysanthemifolia
{BC: Moran 25795 (SD 100680)}
This native variety occurs in nw BC and on various adjacent Pacific islands.
Ecoregions: CSS, CHA, PI; Wider distrib.: CA
COMMON EUCRYPTA

Eucrypta micrantha (Torr.) A. Heller
{BC: Moran 26922 (SD 102646); BCS: Rebman 5210 (SD 142311)}
This uncommon native species occurs mostly in desert mountains from ne BC south to the c SGIG in BCS.
Ecoregions: CMT, LCD, CD, VD, GCD, GIG; Wider distrib.: SON, sw USA
DAINTY DESERT HIDESEED, SMALL-FLOWER EUCRYPTA; PELODA
Genus ref. see Cryptantha: Hasenstab-Lehman 2012.

Greeneocharis circumscissa (Hook. & Arn.) Rydberg var. circumscissa
[In Wiggins as Cryptantha circumscissa (Hook. & Arn.) I.M. Johnst.]
Harpagonella palmeri A. Gray var. arizonica I.M. Johnst.
{BC: Moran 12682 (SD 65299)}
This rare variety occurs only in se BC around 28 deg. and these plants have much larger fruits with sepal appendages greater than 4 mm long.
Ecoregions: CD; Wider distrib.: SON, AZ

Harpagonella palmeri A. Gray var. palmeri
{syn = Pectocarya palmeri (A. Gray) Veno nom. nud.}
Status in CFP: 2B; Listed: CNPS 4.2.
{BC: Moran 6677 (SD 48252); BCS: Moran 19992 (SD 92554)}
This variety occurs in nw BC and adjacent islands and south into the CD and extreme n BCS.
Ecoregions: CSS, CHA, CSU, CD, VD; Wider distrib.: AZ, NM, TX
LIVERMORE STICKSEED

Heliotropium angiospermum Murray
{syn = Heliotropium parviflorum L.}
{BCs: Rehman 1679 (SD 137018)}
This species occurs in the southern half of BCS.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, TX, West Indies, & South America
SCORPION’S-TAIL; RABO DE ALACRÁN, HELIOTROPO

Heliotropium curassavicum L. var. curassavicum
{BCs: Beauchamp 2140 (SD 79340)}
This variety appears to be rare in BCS and occurs in MAG & in the Cape region. The varieties are difficult to separate, but some plants in BCS typically have smaller corollas and longer fruits matching this variety.
Ecoregions: MAG, CPL; Wider distrib.: SON, SIN, s & e USA, West Indies
SALT HELIOTROPE, ALKALI HELIOTROPE; HIERBA DEL SAPO, MARÍA LUISA, BERRO, COLA DE MICO

Heliotropium curassavicum L. var. oculatum (A. Heller) I.M. Johnst. ex Tidestr.
{BC: Moran 16451 (SD 71866); BCS: León de la Luz 7799 (SD 141209)}
This variety is common & widespread on the peninsula & on various adjacent islands. It has not yet been documented in LCD or CPL.
Ecoregions: CSS, CHA, CMT, CSU, PI, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, sw USA
SALT HELIOTROPE, SEASIDE HELIOTROPE; HIERBA DEL SAPO, MARÍA LUISA, BERRO, COLA DE MICO

Heliotropium fallax I.M. Johnst.
{BCs: Rehman 27564 (SD 236876)}
This rare perennial species occurs only in the Cape region and is similar to H. hintonii.
Ecoregions: CPL; Wider distrib.: s Mexico, Central America
TROPICAL HELIOTROPE

Heliotropium fruticosum L.
{syn = Heliotropium phyllostachyum Torr.}
{BCs: F. Gander 9755 (SD 29448)}
This species occurs in the SSF & SGUAD of n BCS and at lower elevations in the Cape region. Note the plants from the SGUAD have narrower leaves & more linear sepals with obvious whitish bases.
Ecoregions: CD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, s USA; Central & South America
SHRUBBY HELIOTROPE; HELIOTROPO, HIERBA DE LA MULA

Heliotropium hintonii I.M. Johnst.
{BCs: F. Gander 9726 (SD 29419)}
This species occurs mostly in the Cape region and is similar to H. procumbens, but has more acute leaves, a strongly woody base, and sepals more or less equal in length. It also resembles H. fallax.
Ecoregions: MAG, CPL, CPM; Wider distrib.: MEX, NAY
HINTON HELIOTROPE

Heliotropium procumbens Mill.
{BCs: León de la Luz 6123 (SD 139927)}
This species occurs throughout most of BCS except the extreme northern portion.
Ecoregions: VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, LA, TX, South America
FOUR-SPIKE HELIOTROPE; HIERBA DEL SAPO, HELIOTROPO

Heliotropium wigginsii I.M. Johnst.
{BCs: D.F. Howe 4448 (SD 80813)}
This species occurs in the central part of the SGIG.
Ecoregions: GCD, GIG; Wider distrib.: SON
WIGGINS HELIOTROPE

Hesperochiron californicus (Benth.) S. Watson
{syn = Hesperochiron californicus var. watsonianus (Greene) Brand., Hesperochiron lasianthus (Greene) St. John, Hesperochiron californicus var. incanus (Greene) Brand}
Status in CFP: 2B.
{BC: Moran 27526 (SD 104042)}
This rare native species is only known from the vicinity of Laguna Hanson in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: w USA
CALIFORNIA HESPEROCRION

Genus ref. see Cryptantha: Hasenstab-Lehman 2012.

Johnstonella angustifolia (Torr.) Hasenstab & M.G. Simpson
{In Wiggins as Cryptantha angustifolia (Torr.) Greene}
{BCs: Moran 12942 (SD 79340)}
This species occurs in the SSF & SGUAD of n BCS and at lower elevations in the Cape region. Note the plants from the SGUAD have narrower leaves & more linear sepals with obvious whitish bases.
Ecoregions: CD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, s USA; Central & South America
SHRUBBY HELIOTROPE; HELIOTROPO, HIERBA DE LA MULA

Johnstonella oblongifolia (Torr.) Hasenstab & M.G. Simpson
{In Wiggins as Cryptantha angustifolia (Torr.) Greene}
{BC: Moran 14820 (SD 67283); BCS: Moran 19658 (SD 92554)}
This species occurs from ne BC south to the vicinity of Loreto and on adjacent Gulf islands.
Ecoregions: LCD, CD, VD, GCD; Wider distrib.: SON, sw USA
NARROW-LEAF CRYPTANTHA, DESERT CRYPTANTHA
**Johnstonella costata** (Brandegee) Hasenstab & M.G. Simpson

[In Wiggins as Cryptantha costata Brandegee; syn = Cryptantha saxorum Jeps.]

{BC: Moran 128384 (SD 65331)}

This uncommon species prefers dune habitats and occurs in ne BC.

Ecoregions: LCD; Wider distrib.: SON, AZ, CA, NV

**Johnstonella echinosepala** (J.F. Macbr.) Hasenstab & M.G. Simpson

[In Wiggins as Cryptantha echinosepala J.F. Macbr.]

{BCS: A. Carter 3894 (SD 106211)}

This BCS endemic occurs from the vicinity of Malegé south to s SGIG and on adjacent Pacific & Gulf islands.

Ecoregions: GCD, GIG, MAG

**Johnstonella fastigiata** (I.M. Johnst.) Hasenstab & M.G. Simpson

[In Wiggins as Cryptantha fastigiata I.M. Johnst.]

{BC: Moran 12959 (SD 62789); BCS: Wiggins 17513 (RSA 181454)}

This near-endemic occurs from ne BC south to the vicinity of Loreto and on adjacent Gulf islands. It is also known from a few populations on Tiburon Island and western SON.

Ecoregions: LCD, CD, GD, CD; Wider distrib.: SON GULF CRYPTANTHA

**Johnstonella grayi** (Vasey & Rose) Hasenstab & M.G. Simpson var. *cynomocheta* (J.F. MacBr.) Hasenstab & M.G. Simpson

[In Wiggins as Cryptantha grayi (Vasey & Rose) J.F. Macbr. var. cryptochaeta (J.F. Macbr.) I.M. Johnst.; syn = Cryptantha micromeres var. cryptochaeta J.F. Macbr.]

{BCS: F. Gander 9788 (SD 29480)}

This near-endemic variety occurs from the s SGIG into the Cape region of BCS.

Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON CAPE CRYPTANTHA

**Johnstonella grayi** (Vasey & Rose) Hasenstab & M.G. Simpson var. *grayı*

[In Wiggins as Cryptantha grayi (Vasey & Rose) J.F. Macbr. var. grayi; syn = Krynitzkya grayi Vasey & Rose]

{BC: Moran 12571 (SD 65304); BCS: Moran 20030 (SD 92565)}

This widespread and variable, endemic variety occurs from the vicinity of Bahía de Los Angeles south to the Cape region.

Ecoregions: VD, GCD, GIG, MAG, CPL

**Nama coulteri** A. Gray

(BCS: Moran 20044 (SD 92561))

This rare native species occurs mostly in wet areas in the desert regions throughout most of BCS.

Ecoregions: VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, FL, TX, Central America

**Nama demissum** var. *deserti* Brand

[In Wiggins as Lemmonia demissum var. deserti Brand]

{BC: Hodgson 8757 (RSA 342651)}

This rare native annual occurs in extreme n BC in the n SJ.

Ecoregions: CMF; Wider distrib.: CA, NV

**Nama demissum** var. *lineare* (spelling variant)

[In Wiggins as Nama demissum var. lineare (Nama demissum)]


**Nama californica** (A. Gray) J.D. Bacon


[In Wiggins as Lemmonia californica A. Gray]

Status in CFP: 2B.

{BC: R.F. Thorne 60580 (RSA 342651)}

This rare native annual occurs in extreme n BC in the n SJ.

Ecoregions: CMF; Wider distrib.: CA, NV

**Nama coulteri** A. Gray

{BCS: Moran 20044 (SD 92561)}

This uncommon native species occurs mostly in wet areas in the desert regions throughout most of BCS.

Ecoregions: VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, Coulter Fiddleleaf

**Nama demissum** A. Gray var. *demissa*

[In Wiggins as Nama demissum A. Gray var. deserti Brand]

{BC: Hodgson 8757 (SD 145060)}

This uncommon native variety occurs in ne BC.

Ecoregions: LCD; Wider distrib.: SON, AZ, CA, NV

**Nama coulteri** A. Gray

(BCS: Moran 20044 (SD 92561))

This rare native species occurs mostly in wet areas in the desert regions throughout most of BCS.

Ecoregions: VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, Coulter Fiddleleaf

**Nama demissum** A. Gray var. *lineare* C.L. Hitchc.

[In Wiggins as Nama demissum var. lineare (spelling variant)]

Status in CFP: 2B.

{BC: Moran 17223 (SD 77164); BCS: Wiggins 590 (UC 1224970)}
This variety is endemic to our region and occurs from the vicinity of Cataviña south to the c SGIG. Ecoregions: CD, VD, GCD, GIG
BAJA CALIFORNIA PURPLE MAT

Nama aff. depressa Lemmon ex A. Gray
[syn = Nama pusillum (spelling variant)]
{BC: Moran 17262 (SD 77163)}
This rare native species is only known from a couple of collections in the n CD to the north of Cataviña and the s LCD near San Luis Gonzaga. The specimens from BC are a bit enigmatic and may represent an undescribed taxon with leaves like N. depressa, but gray-canescent sepals more similar to N. pusilla.
Ecoregions: LCD, CD; Wider distrib.: sw USA
DEPRESSED FIDDLELEAF, DEPRESSED PURPLE MAT

Nama dichotoma (Ruiz & Pav.) Choisy var. dichotoma
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Moran 24652 (SD 98402)}
This uncommon native species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: AZ, CA, CO, NM, TX
WISHBONE FIDDLELEAF, FORKED PURPLE MAT

Nama hispida A. Gray var. sonorae C.L. Hitchc.
{BCS: Lerc. 4025 (RSA)}
This rare native variety has only been documented once in the vicinity of Todos Santos in the Cape region.
Ecoregions: CPL; Wider distrib.: SON
SONORAN FIDDLELEAF, NORTHERN PURPLE MAT

Nama hispida A. Gray var. spatulata (Torr.) C.L. Hitchc.
{In Wiggins as Nama hispidum A. Gray var. revolutum Jeps.}
Status in CFP: 2B.
{BC: Moran 27964 (SD 104008)}
This uncommon native species occurs mostly in desert areas of ne BC into the n CD, but also along the Pacific coast between San Quintín and El Rosario.
Ecoregions: CSS, CHA, CSU, LCD, CD; Wider distrib.: SON, sw USA
ROUGH PURPLE MAT, BRISTLY NAMA

Nama jamaicensis L.
{syn = Nama jamaicense (spelling variant)}
{BCS: M. Domínguez L. 3146 (SD 161929)}
This rare native species occurs in the c SGIG and in the Cape region of BCS.
Ecoregions: GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, se USA, West Indies, Central & South America
JAMAICANWEED, JAMAICAN PURPLE MAT

Nama stenocarpa A. Gray
{In Wiggins as Nama stenocarpum (spelling variant)}
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Moran 27595 (SD 102739); BCS: L. Constance 3144 (UC 774148)}
This rare native species occurs sporadically in wet areas on the peninsula from the vicinity of Colotenango in nw BC south to the SGIG, MAG, & Cape region of BCS.
Ecoregions: CSU, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, CA, TX
MUD FIDDLELEAF, MUD NAMA

Nama aff. depressa Lemmon ex A. Gray
{syn = Nama menziesii Hook. & Arn. var. integrifolia Parish}
{syn = Nama menziesii Hook. & Arn. subsp. integrifolia (Parish) Munz}
Status in CFP: 2A.
{BC: Moran 28507 (SD 105050)}
This rare native variety occurs in extreme nw BC in the western foothills of the SJ.
Ecoregions: CHA, CMT; Wider distrib.: CA
SMALL-FLOWER BABY BLUE EYES

Nama pluvialis (L.) I.M. Johnst.
{In Wiggins as Nama pluvialis (spelling variant)}
{BC: J. Delgadillo s.n. 23 Apr 1987 (BCMEX 3089)}
This rare native species is only known from one specimen in the SJ of nw BC.
Ecoregions: CHA; Wider distrib.: CA, NV
SIERRA BABY BLUE EYES

Pectocarya anisocarpa Guilliams, Veno, M.G. Simpson & R.B. Kelley
Status in CFP: 2B.
{BC: Moran 26991 (SD 102995)}
This recently described and rare species occurs in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: AZ, CA, UT
UNEQUAL-FRUIT PECTOCARYA

Pectocarya heterocarpa (L.M. Johnst.) I.M. Johnst.
{BC: Rebman 1514 (SD 137248)}
This rare species occurs in low desert areas of ne BC.
Ecoregions: LCD; Wider distrib.: SON, sw USA
MIXED-NUT COMB-BUR

Pectocarya linearis (Ruiz & Pav.) DC. subsp. ferocula (L.M. Johnst.) Thorne
{In Wiggins as Pectocarya linearis (Ruiz & Pavón) DC. var. ferocula I.M. Johnst.}
{BC: Moran 13770 (SD 64607); BCS: R. Domínguez C. 875 (SD 139926)}
This species occurs mostly in nw BC & adjacent islands, but is also scattered south to the MAG region.
Ecoregions: CSS, CHA, CSU, PI, LCD, CD, MAG; Wider distrib.: CA
SLENDER PECTOCARYA, NARROW-TOOTH PECTOCARYA

Pectocarya villosa (Hook. & Arn.) A. DC.
{syn = Pectocarya villosa (Ruiz & Pavón) DC. var. villosa (Hook & Arn.) M.E.Jones, Cynoglossum villosum (Hook. & Arn.)}
Status in CFP: 4.
{BC: Moran 12301 (SD 65307); BCS: F.M. Roberts 4535 (SD 160970)}
Phacelia cedrosensis

Ecoregions: CSS, CHA, CSU, CD, VD, GCD; Wider distrib.: SON, CA

Pectocarya platycarpa

(Munz & I.M. Johnst.) Munz & I.M. Johnst.

[syn = Pectocarya linears (Ruiz & Pavón) DC. var. platycarpa (Munz & I.M. Johnst.) Cronquist, Pectocarya gracilis I.M.Johnst. var. platycarpa Munz & I.M. Johnst.]

{BC: Rebman 15111 (SD 137247)}

This species is rare in our region and occurs in ne BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

CATERPILLAR PHACELIA

Phacelia ciliata

Benth.

Status in CFP: 2A.

{BC: Moran 30164 (SD 110488)}

This rare native annual is only known from a couple of collections in nw BC in the vicinity of El Descanso and at San Quintín.

Ecoregions: CSS, CSU; Wider distrib.: CA

GREAT VALLEY PHACELIA

Phacelia crenulata

S. Watson var. ambigua (M.E. Jones) J.F. Macbr.

[In Wiggins as Phacelia crenulata var. ambigua J.F. Macbr.]

{BC: Moran 6688 (SD 48226)}

This rare native variety is only known from one specimen in our region collected in the vicinity of San Felipe in ne BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

NOTCH-LEAF PHACELIA; RAMA ZORILLA

Phacelia cryptantha

Greene var. hispida (A. Gray) J.T. Howell

[syn = Phacelia cryptantha var. hispida (A. Gray) R.M. Beauchamp ex Thorne]

{BC: Moran 17817 (SD 74998)}

This rare native variety occurs mostly in nw BC, but also in the CD as far south as the BC/BCS border.

Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: CA

CATERPILLAR PHACELIA

Phacelia crenulata

S. Watson var. minutiflora (J. Voss ex Munz) Jeps.

{BC: L. Roberts s.n., 22 Apr 2008 (SD 183086); BCS: Moran 19971 (SD 92572)}

This native variety occurs from ne BC south through the CD & VD to the vicinity of San Ignacio in n BCS.

Ecoregions: CMT, LCD, CD, VD; Wider distrib.: SON, AZ, CA, UT

CLEFLED PHACELIA; RAMA ZORILLA

Phacelia flowerbunda

Greene

[syn = Phacelia floribunda var. derivata J. Voss]

Status in CFP: 2B.

{BC: Moran 10874 (SD 53812)}

This rare native annual occurs in n BC in the extreme n SJ and in the vicinity of Matías.

Ecoregions: CHA, CMT; Wider distrib.: SON, SW USA

HIDDEN-FLOWER PHACELIA; SMALL-FLOWER PHACELIA

Phacelia floribunda

Greene

Status in CFP: 1B; Listed: CNPS 1B.2.

{BC: Moran 6658 (SD 48226)}

This rare insular species occurs on Guadalupe Island and on San Clemente Island in CA.

Ecoregions: PI (Guadalupe); Wider distrib.: CA

SAN CLEMENTE PHACELIA, SOUTHERN ISLAND PHACELIA, MANY-FLOWER PHACELIA
**Phacelia grandiflora** (Benth.) A. Gray
Status in CFP: 2A.
{BC: Moran 13970 (SD 64772)}
This rare native fire-follower occurs in extreme nw BC between Ti-
juanita and Ensenada.
Ecoregions: CSS, CHA; Wider distrib.: CA
GIANT-FLOWER PHACELIA, LARGE-FLOWER PHACELIA

**Phacelia heterophylla** Pursh subsp. virgata (Greene) Heckard
[In Wiggins as Phacelia heterophylla Pursh; syn = Phacelia magel-
lanica (Lam.) Coville misappl.]
Status in CFP: 2B.
{BC: Wiggins 4852 (POM 213372)}
This rare native perennial is only known from the higher elevations
of the SSPM in n BC.
Ecoregions: CMT; Wider distrib.: SON, w USA
VARIUEAF PHACELIA

**Phacelia hirtosa** A. Gray
LC endemic. Status in CFP: 1B, 7.
{BC: Moran 23288 (SD 96869); BCS: Moran 19944 (SD 92484)}
This rare species is endemic to our region and occurs near the Pa-
cific coast in nw BC from the vicinity of San Telmo south to El Ro-
sario and in the VPEN of nw BCS.
Ecoregions: CSS, CSU
SAN QUINTIN PHACELIA

**Phacelia imbricata** Greene subsp. patula (Brand) Heckard
[In Wiggins as Phacelia imbricata Greene; syn = Phacelia californi-
ca Cham. var. patula (Brand) Jeps.]
{BC: Moran 9929 (SD 52651)}
This uncommon native perennial occurs in nw BC most commonly
in the foothills of the SJ & SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
ROCK PHACELIA

**Phacelia ixodes** Kellogg
LC endemic. Status in CFP: 4, 5.
{BC: E.B. Higgins s.n., 21 Jun 1946 (SD 40409); BCS: Moran 22773 (SD 94219)}
This coastal species is endemic to our region and occurs along the
immediate Pacific coast from Tijuana south to San Quintin and on
various adjacent islands including San Martín, Cedros, San Benitos
& Natividad islands in the south. It also occurs rarely on the VPEN
in nw BCS.
Ecoregions: CSS, CSU, PI, VD
COSTA BAJA PHACELIA

**Phacelia minor x P. parryi**
{BC: Moran 27000 (SD 103001)}
This rare hybrid occurs in extreme n BC at the northern end
of the SJ. This strange taxon is also relatively common in San Diego
County in desert transition areas outside of the distribution of its
putative parent species.
Ecoregions: CMT; Wider distrib.: CA
HYBRID CANTERBURY BELLS

**Phacelia mutabilis** Greene
[syn = Phacelia heterophylla Pursh var. griseophylla (Brand) J.F.
Macbr., Phacelia heterophylla var. pseudohispida (Brand) Cron-
quist, Phacelia californica Cham. var. jaciensis Dudas]
Status in CFP: 2B.
{BC: Moran 14159 (SD 79683)}
This rare native species occurs at higher elevations in the SJ &
SSPM.
Ecoregions: CHA, CMT; Wider distrib.: w USA
CHANGEABLE PHACELIA

**Phacelia neglecta** M.E. Jones
{BC: D. Clemens 2358 (SD 133330)}
This rare native desert species has only been collected once in our
region in extreme n BC near La Rumorosa.
Ecoregions: LCD; Wider distrib.: SON, sw USA
ALKALI PHACELIA

**Phacelia parryi** Torr.
[syn = Phacelia parryi var. celata Jeps. & Hoover ex Jeps.]
{BC: Moran 11139 (SD 59716)}
This native annual occurs mostly in nw BC, but it also ranges into
the extreme n CD and on San Martín Island.
Ecoregions: CSS, CHA, CSU, PI (San Martín), CD; Wider distrib.: A,
CA
PARRY PHACELIA

**Phacelia pauciflora** S. Watson
{BC: Moran 202536 (SD 87255); BCS: Moran 20400 (SD 87256)}
This uncommon species is endemic to our region and occurs mostly
in the CD of BC south to San Ignacio in n BCS. It also occurs on
Ángel de la Guarda Island.
Ecoregions: CD, VD, GCD
CENTRAL DESERT PHACELIA

**Phacelia pedicellata** A. Gray
{BC: Moran 11072 (SD 54710)}
This common native species occurs mostly in desert areas of our
region from ne BC south to the vicinity of Bahía de Los Angeles and
on Ángel de la Guarda Island. This species is commonly confused
with the similar looking P. scariosa of BCS.
Ecoregions: CHA, LCD, CD, GCD; Wider distrib.: SON, sw USA
SPECTER PHACELIA, PEDICELLATE PHACELIA, SKUNK BUSH; RAMA ZO-
RELLA

**Phacelia phyllomanica** A. Gray
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 7836 (SD 50067)}
This rare BC endemic occurs only on Guadalupe Island.
Ecoregions: PI (Guadalupe)
GUADALUPE PHACELIA

**Phacelia ramosissima** Lehm. var. austrolitoralis Munz
[In Wiggins as Phacelia ramosissima Dougl. ex Lehm.]
Status in CFP: 2A; Listed: CNPS 3.2.
{BC: Rebman 5084 (SD 144641)}
This rare native variety occurs along the immediate Pacific coast in
extreme nw BC between La Misión and Ensenada.
Ecoregions: CSS; Wider distrib.: CA
SOUTH COAST BRANCHING PHACELIA

**Phacelia ramosissima** Lehm. var. latifolia (Torr.) Cronq.
[In Wiggins as Phacelia suffrutescens Parry; syn = Phacelia ramos-
issima Lehm. var. suffrutescens (Parry) A. Gray]
{BC: Rebman 9893 (SD 157608); BCS: Moran 11634 (SD 59711)}
This uncommon native variety occurs mostly in nw BC and on sky
islands in the CD as far south as Cerro Azufre in extreme n BCS.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: sw USA
BRANCHING PHACELIA

**Phacelia scariosa** Brandegee
{BC: Rebman 25180 (SD 223591); BCS: Henrickson 9020 (SD
115955)}
This common native species occurs throughout most of BCS and on adjacent Pacific & Gulf islands. It also occurs in the SLIB of s BC. Ecoregions: CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON SOUTHERN MOUNTAIN PHACELIA; RAMA ZORILLA

Phacelia stellaris Brand
[syn = Phacelia palmeri Vasey & Rose]
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: Moran 21807 (SD 91250)}
This rare native annual occurs on coastal dunes along the Pacific coast in nw BC in the vicinity of San Quintín and at Punta Baja near El Rosario.
Ecoregions: CSU; Wider distrib.: CA BRAND STAR PHACELIA, BRAND PHACELIA

Phacelia aff. tanacetifolia Benth.
{BC: James Henrickson 19351 (RSA 661344); BCS: Porter 11099 (SD 208193)}
This rare native species occurs in the vicinity of El Crucero in s BC and near Santa Rosalía in ne BCS. It should be noted that this taxon does not exactly match the concept of this species from the USA and more taxonomic study is needed.
Ecoregions: CD, GCD; Wider distrib.: AZ, CA, NV LACY PHACELIA

Phacelia umbrosa Greene
{BC: Wiggins 5138 (POM 265948)}
This rare native species is only known from a couple of collections in extreme n BC. It should be noted that this species is closely related to P. distans and P. cicutaria and more taxonomic research is needed on this group in our region.
Ecoregions: CSU, CMT; Wider distrib.: CA COLORADO DESERT PHACELIA

Phacelia viscida (Benth. ex Lindl.) Torr. var. viscida
{BC: Wiggins 4487 (POM 247806)}
This rare native annual occurs in the vicinity of Santo Domingo in nw BC and in the CD of c BC. Note that these specimens need to be verified and adequately separated from P. parryi.
Ecoregions: CSU, CD; Wider distrib.: CA STICKY PHACELIA

Pholisma arenarium Hook.
[In Wiggins as previously recognized in Lennoaceae; syn = Pholisma paniculatum Templeton, Pholisma compressum Greene]
Status in CFP: 2B.
{BC: Yatskievych 195 (SD 116689)}
This rare native root parasite occurs in the vicinity of San Quintín to the upper SSPM in nw BC.
Ecoregions: CSU, CHA, CMT; Wider distrib.: AZ, CA SAND PLANT, PURPLE POP-UPS

Pholisma sonorae (A. Gray) Yatsk.
[In Wiggins as Ammobroma sonorae A. Gray. Note previously recognized in Lennoaceae]
{BC: Yatskievych 142 (SD 116692)}
This very rare native root parasite occurs at the southern end of the Algodones Dunes in extreme ne BC.
Ecoregions: LCD; Wider distrib.: SON, AZ, CA SANDFOOD

Pholisma auritum (Lindl.) Lilja var. arizonicum (M.E. Jones) Constance
Listed: CNPS 2.3.
{BC: Moran 12767 (SD 64898)}
This native variety occurs in desert and desert transition areas of BC mostly in the CD, but rarely in the chaparral areas of nw BC.
Ecoregions: CHA, CD; Wider distrib.: SON, sw USA ARIZONA FIESTA FLOWER, BLUE FIESTA FLOWER

Pholista auritum (Lindl.) Lilja var. auritum
{BC: Moran 19350 (SD 84350)}
This large-flowered native variety occurs mostly near the Pacific coast in nw BC and on adjacent Los Coronados and Todos Santos islands.
Ecoregions: CSS, CU, PI (Coronados, Todos Santos), CD; Wider distrib.: CA FIESTA FLOWER

Pholisma membranaceum (Benth.) Constance
Status in CFP: 2A.
{BC: Blakley 7132 (SD 87957)}
This rare native species is only known from a couple of collections in nw BC near San Vicente and San Telmo.
Ecoregions: CSS; Wider distrib.: CA WHITE FIESTA FLOWER

Pholista racemosum (Nutt. ex A. Gray) Constance
{BC: Moran 30107 (SD 110759); BCS: Moran 19692 (SD 92483)}
This common native species occurs most commonly in nw BC and on many adjacent Pacific islands including Guadalupe Island, but it also ranges through the CD and VD as far south as the SCLR of nw BCS. It is also known from Angel de la Guarda Island in the Gulf.
Ecoregions: CSS, CU, PI (Guadalupe); Wider distrib.: CA SAN DIEGO FIESTA FLOWER

Plagiobothrys acanthocarpus (Piper) I.M. Johnst.
[In Wiggins as Allocarya acanthocarpa Piper]
Status in CFP: 2A.
{BC: Moran 6659 (SD 48236)}
This rare species prefers vernal pool habitats and occurs in nw BC and on Guadalupe Island.
Ecoregions: CSS, CU, PI (Guadalupe); Wider distrib.: CA Adobe POPCORNFLOWER

Plagiobothrys bracteatus (Howell) I.M. Johnst.
[In Wiggins as Allocarya bracteata Howell]
Status in CFP: 2A.
{BC: Moran 15800 (SD 71536)}
This rare species prefers vernal pool habitats and occurs in nw BC as far south as Colonet.
Ecoregions: CSS, CU, PI; Wider distrib.: CA, OR BRACHT POPCORNFLOWER

Plagiobothrys collinus (Philbr.) I.M. Johnst. var. californicus (A. Gray) Higgins
[syn = Plagiobothrys californicus (A. Gray) Greene]
{BC: Moran 20308 (SD 86988)}
This uncommon variety occurs in nw BC and on Guadalupe Island.
Ecoregions: CSS, CHA, CU, PI (Guadalupe); Wider distrib.: CA CALIFORNIA POPCORNFLOWER

Plagiobothrys collinus (Philbr.) I.M. Johnst. var. fulvescens (I.M. Johnst.) Higgins
[In Wiggins as Plagiobothrys californicus (A. Gray) Greene var. fulvescens I. M. Johnst.]
{BC: Moran 15016 (SD 69237)}
This common variety occurs mostly in the foothills of nw BC with scattered populations into the CD.
Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: AZ, CA, Chile

ROUGH POPCORNFLOWER

Plagiobothrys collinus (Philbr.) I.M. Johnst. var. gracilis (I.M. Johnst.) Higgins
[syn = Plagiobothrys californicus (A. Gray) Greene var. gracilis I.M. Johnst.]
{BC: Moran 26740 (SD 101887)}
This variety occurs mostly along the coast of nw BC with scattered populations into the CD and on Guadalupe & Cedros islands.
Ecoregions: CSS, CHA, CSU, PI (Cedros, Guadalupe), CD; Wider distrib.: CA SAN DIEGO POPCORNFLOWER

Plagiobothrys collinus (Philbr.) I.M. Johnst. var. ursinii (A. Gray) Higgins
[syn = Plagiobothrys californicus (A. Gray) Greene var. ursinii (A. Gray) I.M. Johnst.]
Status in CFP: 2B.
{BC: Moran 14928 (SD 72342)}
This rare variety occurs in the upper foothills of nw BC.
Ecoregions: CSS, CHA; Wider distrib.: CA BEAR VALLEY POPCORNFLOWER

Plagiobothrys jonesii A. Gray
{BC: Moran 8636 (SD 61536)}
This rare species occurs only on Ángel de la Guarda Island in our region.
Ecoregions: CD (Ángel de la Guarda Island); Wider distrib.: sw USA
MOJAVE POPCORNFLOWER

Plagiobothrys leptoclados (Greene) I.M. Johnst.
{In Wiggins as Allocarya leptoclada Greene; syn = Plagiobothrys orthocarpus (Greene) I.M. Johnst.}
Status in CFP: 2B.
{BC: M. Salazar 5496 (SD 243304)}
This rare species occurs in vernal pools at Colonet & San Quintin.
Ecoregions: CSU; Wider distrib.: w & nw USA, c Canada
ALKALI POPCORNFLOWER

Plagiobothrys nothofulvus (A. Gray) A. Gray
Status in CFP: 2B.
{BC: R.F. Thorne 58980 (RSA 342316)}
This rare species occurs in nw BC and has only been documented south of Ensenada.
Ecoregions: CSS; Wider distrib.: w USA RUSTY POPCORNFLOWER

Plagiobothrys tenellus (Nutt. ex Hook.) A. Gray
[syn = Plagiobothrys asper Greene]
Status in CFP: 2B.
{BC: Moran 28191 (SD 104956)}
This rare species occurs in nw BC and has only been documented east of Ensenada.
Ecoregions: CHA; Wider distrib.: w USA, w Canada
SLENDER POPCORNFLOWER

Plagiobothrys undulatus (Piper) I.M. Johnst.
{In Wiggins as Allocarya undulata Piper}
Status in CFP: 2A.
{BC: R.F. Thorne 55902 (RSA 310561)}
This rare species occurs in nw BC and has only been documented in the SJ.

Ecoregions: CMT; Wider distrib.: CA WAVY-STEM POPCORNFLOWER, COAST POPCORNFLOWER

Tiquilia canescens (DC.) A.T. Richardson var. canescens
{In Wiggins as Coldenia canescens DC.; syn = Coldenia canescens var. subnuda I.M. Johnst.}
{BC: Rebman 1600 (SD 137261); BCS: León de la Luz 8523 (SD 141207)}
This species occurs sporadically from ne BC south to the vicinity of Loreto.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, sw USA
WOODY CRINKLEMAT, SHRUBBY COLDENIA

Tiquilia cuspidata (I.M. Johnst.) A.T. Richardson
{In Wiggins as Coldenia cuspidata I. M. Johnst.; syn = Coldenia lorentensis M.E. Jones}
{BC: Rebman 3137 (SD 139645); BCS: Vinton 2 (SD 139646)}
This species occurs mostly along the Gulf Coast & adjacent islands and disjunctly to the eastern Cape region.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON GULF CRINKLEMAT

Tiquilia palmeri (A. Gray) A.T. Richardson
{In Wiggins as Coldenia palmeri A. Gray; syn = Coldenia angelica S. Watson}
{BC: Rebman 1540 (SD 137260)}
This species occurs along the eastern side of the peninsula from ne BC to the vicinity of El Barril.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, sw USA
PALMER CRINKLEMAT, PALMER COLDENIA

Tournefortia hartwegiana Steud.
{BCS: Moran 7298 (SD 49919)}
This species occurs throughout much of BCS from the SSF to the Cape region. Current molecular data suggests that this species should actually be recognized in the genus Heliotropium, but that nomenclature change has not yet been formally published.
Ecoregions: CD, GIG, MAG, CPL; Wider distrib.: SON, SIN, w Mexico
HARTWEG SOLDIERBUSH; MANZANITA DE GALLINA

Brassicaceae


Athyusanus pusillus (Hook.) Greene
[syn = Athysanus pusillus var. glabrior S. Watson, Thysanocarpus pusillus Hook.]
Status in CFP: 1A.
{BC: Moran 27044 (SD 102949)}
This species occurs mostly in nw BC with rare populations in the CD.
BeautiFul roCk-CreSS
Ecoregions: CMT; Wider distrib.: CA, NV
This rare species occurs in the n SJ of BC.
Ecoregions: CSS; Wider distrib.: CA, OR
LADIES-TONGUE MUSTARD
Barbarea orthoceras Ledeb.       
[syn = Barbarea americana Rydb., Barbarea othroceras var. doli-chocarpa Fernald]
{BC: Moran 30942 (SD 111377)}
This uncommon species occurs in wet areas of extreme nw BC. Note that low elevation, coastal forms have much longer fruits than the higher mountain plants.
Ecoregions: CSS, CMT; Wider distrib.: w USA & circumboreal, c & e Asia
ERECT-POD WINTER CRESS
*Barbarea vulgaris* W.T. Aiton       
[syn = Erysimum barbara L., Barbarea arcuata (Opiz ex J.Presl & C.Presl) Rchb.]
{BC: Orcutt 1268 (MO 3728964)}
This very rare non-native is only known in our region from one historical specimen collected by Orcutt on 20 Apr 1895 at Hansen’s Ranch in the SJ of n BC, but this specimen is deposited at MO and needs to be verified. Ecoregions: CMT; Wider distrib.: Native to Eurasia, introduced & widespread in US & Canada, Africa
CRESS, YELLOW ROCKET

*Boechera californica* (Rollins) Windham & Al-Shehbaz       
[In Wiggins as Arabis sparsiflora Nutt. var. californica Rollins] Status in CFP: 2A.  
{BC: Moran 28520 (SD 105803)}
This uncommon species occurs in extreme nw BC. Ecoregions: CHA, CMT; Wider distrib.: CA
CALIFORNIA ROCK-CRESS

*Boechera perennans* (S. Watson) W.A. Weber       
[In Wiggins as Arabis perennans S. Watson; syn = Arabis angulata Greene, Arabis arcuata (Nutt.) A. Gray var. perennans (S.Wats.) M.E. Jones, Arabis eremophila Greene, Arabis recondita Greene]  
{BC: Brey 193 (SD 133638)}
This species occurs throughout most of BC from the USA/ Mexico border south to the SLIB. Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, CHH, sw USA
NEVADA ROCK-CRESS, PERENNIAL ROCK-CRESS

*Boechera pulchra* (M.E. Jones ex S. Watson) W.A. Weber       
[In Wiggins as Arabis pulchra M.E. Jones var. pulchra] Status in CFP: 2B.  
{BC: Moran 30852 (SD 111293)}
This rare species occurs in the n SJ of BC. Ecoregions: CMT; Wider distrib.: CA, NV
BEAUTIFUL ROCK-CRESS

**Boechera xylolopoda** (M.E. Jones ex S. Watson) W.A. Weber       
[In Wiggins as Arabis pulchra M.E. Jones var. gracilis M.E. Jones; syn = Arabis pulchra var. glabrescens Wiggins, Arabis trichopoda Greene, Boechera pulchra (M.E. Jones ex S. Watson) W.A. Weber var. gracilis (M.E. Jones) Dorn] Status in CFP: 2B.  
{BC: C.F. Harbison s.n., 31 Mar 1936 (SD 14898)}
This rare species occurs in the SJ of n BC. Ecoregions: CHA; Wider distrib.: CA, NV
BIGFOOT HYBRID ROCK-CRESS, PINE ROCK-CRESS

*Brassica juncea* (L.) Czern.       
[syn = Brassica juncea var. hispida Bailey, Brassica juncea var. asiatica (Thunb.) Bailey, Brassica willdenowii Boiss., Sinapis juncea L., Brassica integrifolia Rupr.]  
{BC: Moran 26768 (SD 101878)}
This rare non-native occurs in nw BC in the vicinity of Ensenada. Ecoregions: CSS; Wider distrib.: Native to Eurasia, naturalized in SON & widespread in North America, Africa, Central & South America, Australia
INDIA MUSTARD; MOSTAZA PARDA

*Brassica kaber* (DC.,) L.C. Wheeler       
[syn = Sinapis arvensis L., Sinapis kaber DC.]  
{BC: Moran 24970 (SD 98166)}
This rare non-native species occurs in the vicinity of Tijuana in nw BC, but could be expected elsewhere in our region, especially in agricultural areas.
Ecoregions: CSS; Wider distrib.: Native to Eurasia, introduced to SON, scattered in Mexico, widespread in USA, West Indies, Central & South America, Africa
CHARLOCK

*Brassica napus* L.       
[syn = Brassica napobrassica (L.) Mill.]  
{BC: Moran 26767 (SD 101913)}
This non-native occurs in extreme nw BC. Ecoregions: CSS, CSU; Wider distrib.: Native to Eurasia, naturalized & widespread in North America
SWEDISH RAPE, RAPESEED

*Brassica nigra* (L.) W.D.J. Koch       
[syn = Sinapis nigra L.]  
{BC: Moran 16059 (SD 71454)}
This non-native occurs mostly in nw BC with a few populations in the CD and historical vouchers from Guadalupe Island.
Ecoregions: CSS, CSU, PI (Guadalupe), CD; Wider distrib.: Native to Europe, naturalized in SON & widespread in North America, Central & South America, Africa, Australia
BLACK MUSTARD; MOSTAZA NEGRA, BELLA MOZA

*Brassica rapa* L.       
[In Wiggins as Brassica campestris L.]  
{BC: Moran 28542 (SD 105454); BCS: Valov 2010040 (SD 208224)}
This uncommon non-native occurs mostly in nw BC, on Cedros Island and near Mulegé in n BCS. The BCS voucher is a bit strange with buds overtopping the flowers.
Ecoregions: CSS, CSU, PI (Cedros), GCD; Wider distrib.: Native to Europe, naturalized in SON & SIN, widespread in North America, Central & South America, Africa, Australia
TURNIP; FIELD MUSTARD; MOSTAZA, NABO DE CAMPO

*Brassica tournefortii* Gouan       
[syn = Brassica tournefortii var. sisymbrioides (Fisch.) Grossh.]
Caulanthus lasiophyllus (Hook. & Arn.) Payson

This highly invasive non-native species occurs mostly in nw BC, but is known from scattered populations throughout much of BC, Cedros Island, and n BCS. Ecoregions: CSS, CSU, PI (Cedros), LCD, CD, LD, GCD. Wider distrib.: Native to the Mediterranean region, naturalized in SON & sw USA, Europe, Asia, Africa, Australia. Saharan mustard, wild turnip, mostaza, nabo del desierto

*Cakile maritima* Scop.

This non-native species prefers coastal beaches & dunes and occurs mostly in nw BC & adjacent islands, but also in extreme nw BCS. Ecoregions: CSS, CSU, PI, WD. Wider distrib.: Native to Europe, naturalized along both coasts of North America. European sea rocket

*Capsella bursa-pastoris* (L.) Medik.

This non-native occurs mostly in nw BC, but is known from scattered populations in the CD, on Cedros Island, and should be expected in urban & disturbed areas elsewhere in our region. Ecoregions: CSS, CHA, CSU, PI (Cedros), CD. Wider distrib.: Native to Eurasia, naturalized in SON & widespread worldwide. Shepherd’s purse, hierba del pastor, epazoteillo, bolsa de pastor

Cardamine californica (Nutt.) Greene

This native species occurs in extreme nw BC. Many varieties have been recognized in this species, but they do not seem to hold up geographically. Ecoregions: CSS, CSU; Wider distrib.: CA. Milkmaids, toothwort

Cardamine oligosperma Nutt.

This rare species is only known in our region from the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, w USA, sw Canada. Idaho bittercress

Caulanthus cooperi (S. Watson) Payson


Status in CFP: 2B.

This rare species occurs in the SJ & SSPM of n BC. Ecoregions: CHA, CMT; Wider distr.: AZ, NV, NM. Blunt tansy-mustard

Caulanthus heterophyllus (Nutt.) Payson var. *heterophyllus*

This species occurs mostly in nw BC and on Cedros Island. The plants in BC have darker sepals and are recognized in var. heterophyllus. Ecoregions: CSS, CHA, CSU, PI (Cedros); Wider distr.: CA. San Diego jewelflower

*Descariainia advena* Thoms. [Woot. & Standl.] Deltl.

This widespread & variable species occurs throughout most of BC, on Cedros Island, & in extreme nw BCS. Ecoregions: CSS, CHA, CSU, PI (Cedros), LCD, CD, WD. Wider distr.: SON, w USA. California mustard

Descariainia obtusa (Greene) O.E. Schulz

This species occurs in the SJ & SSPM of n BC. Ecoregions: CHA, CMT; Wider distr.: SON, sw USA. Glandular tansy-mustard

Descariainia pinnata (Walter) Britton subsp. *brachycarpa* (Richardson) Deltl.

This subspecies includes taxa that are considered to be hybrids with other species. It should be noted that the current taxonomy does not reflect the morphological diversity of this species in our region, especially in respect to a coastal, glandular form. Ecoregions: CSS, CHA, CMT, PI, LCD, CD, LD, GIG; Wider distr.: Widespread in USA & Canada. Western tansy-mustard; pamita

Descariainia pinnata (Walter) Britton subsp. *glabra* (Woot. & Standl.) Shinners

This common subspecies is widespread in our region from n BC to the Cape region and on various Pacific islands. Ecoregions: CSS, CHA, CSU, PI, CD, GIG, CPM; Wider distr.: SON, n Mexico, sw USA. Smooth western tansy-mustard; pamita

*Descariainia sophia* (L.) Webb ex Prantl

This rare non-native occurs in extreme nw BC.
**San Pedro Martir**

**Ecoregions**: CMT

This BC endemic variety occurs only at higher elevations in the Morro (SD 79741) {BC: Moran 14142 (SD 79741)} {BC: Moran 7070 (SD 50512)}

**BC endemic. Status in CFP**: 1B, 5.

[syn = Draba demareei Wiggins]

**Dithyrea californica** Harv.

[In Wiggins as Dithyrea californica Harv. var. californica, Dithyrea californica Harv. var. clinata (Macbr. & Payson) Wiggins; syn = Dithyrea clinata J. F. Macbr. & Payson]

{BC: Moran 22955 (SD 95518); BCS: Moran 19723 (SD 92577)}

This species occurs in sandy desert habitats from ne BC south to w BCS. Variety clinata seems to be nothing more than clinical variation with plants in the south having smaller fruits and hairs on the fruits much shorter and less dense; the style length character does not seem to hold up at all.

Ecoregions: LCD, CD, HD, MAG; Wider distrib.: SON, AZ, CA, NV

**California Spectacle-Pod**


{BC: Moran 14142 (SD 79741)}

This BC endemic variety occurs only at higher elevations in the SSPM.

Ecoregions: CMT

**San Pedro Mariner Whitlow**

**Draba cuneifolia** Nutt. ex Torr. & A. Gray var. cuneifolia

{BC: Moran 14926 (SD 72320)}

This variety having fruits with simple trichomes is rare in the SJ of n BC. Recent molecular data suggests that this species should be recognized in an expanded concept of the genus Tomostima.

Ecoregions: CMT; Wider distrib.: CHH, COA, ZAC, widespread in USA

**Mountain Whitlow**

**Draba cuneifolia** Nutt. ex Torr. & A. Gray var. integrifolia S. Watson

{BC: Moran 19484 (SD 84297); BCS: Moran 7070 (SD 50512)}

This common variety occurs from nw BC south to c BCS and on a few adjacent islands. Most specimens in our region best fit into this variety. Recent molecular data suggests that this taxon should be recognized in an expanded concept of the genus Tomostima.

Ecoregions: CSS, CHA, CSU, PI, CD, ND, GCD, GIG; Wider distrib.: SON, NLE, sw USA

**Desert Whitlow**

**Draba cuneifolia** Nutt. ex Torr. & A. Gray var. sonorae (Greene) Parish

{BC: Moran 7930 (SD 60540)}

This variety is rare in our region and occurs in the s CD in the vicinity of the SBOR. Recent molecular data suggests that this taxon should be recognized in an expanded concept of the genus Tomostima.

Ecoregions: CD; Wider distrib.: SON, AZ, CA

**Sonoran Whitlow**

**Draba reptans** (Lam.) Fernald

{BC: Moran 27458 (SD 103456)}

This species is rare in extreme n BC in the SJ. It is similar to D. cuneifolia but with a subumbellate inflorescence & glabrous pedicels. Recent molecular data suggests that this species should be recognized in an expanded concept of the genus Tomostima.

Ecoregions: CMT; Wider distrib.: Widespread in USA & Canada

**California Whitlow**


**Drypetalon crenatum** (Brandegge) Rollins [syn = Iodanthus striatus M.E. Jones, Drypetalon crenatum var. racemosum Rollins, Sisymbrium crenatum Brandegge] BC endemic.

{BC: M.E. Jones 24130 (SD 25318)}

This species is endemic to the Cape region. The synonymized variety racemosum was described from Espiritu Santo Island but the type should be examined closely to make sure that it is not D. palmeri which also occurs on the island.

Ecoregions: CPM, CPM

**Cape Rock-Mustard**

**Drypetalon palmeri** (S. Watson) O. E. Schulz

[In Wiggins as Drypetalon purpureum Rollins (according to Al-Shehbaz)]

{BC: Moran 18925 (SD 120754)}

This species is highly variable and occurs mostly in BCS along the eastern side of the peninsula from Bahia Concepcion south to the northeastern Cape region and on various Gulf islands.

Ecoregions: GCD, GIG, CPM; Wider distrib.: w SON

**Palmer Rock-Mustard**

**Drypetalon purpureum** Rollins

[syn = Lumped into Drypetalon palmeri by Al-Shehbaz. The type of Drypetalon purpureum is Orcutt’s specimen from Magdalena Island] BC endemic.

{BC: Rebman 4768 (SD 142251)}

Al-Shehbaz (2007) lumped this species under D. palmeri, but more taxonomic research is needed because the specimens from the Bahia de Magdalena area (including Orcutt’s type) seem to have much wider fruits, deeper lobed leaves, and less divided petals than typical D. palmeri. If recognized this species appears to occur only in the Bahia de Magdalena region and on the adjacent Magdalena & Santa Margarita islands.

Ecoregions: GIG, MAG

**Magdalena Rock-Mustard**


{BC: Moran 24136 (SD 97138); BCS: Gould 11830 (SD 63192)}

This non-native species occurs mostly in nw BC, but also on Cedros Island and scattered locations in BCS.

Ecoregions: CSS, CHA, CPM, PI (Cedros), GCD, GIG, MAG; Wider distrib.: Native to Eurasia, naturalized in SON, c & s Mexico, widespread in North America, Central & South America, Africa, Australia

**Garden Rocket, Salad Rocket, Arugula; Saramago, Rucola Silvestre**
Erysimum capitatum (Douglas ex Hook.) Greene var. capitatum
[In Wiggins as Erysimum capitatum (Douglas) Greene; syn = Erysimum asperum var. capitatum (Douglas ex Hook.) Boivin, Erysimum capitatum (Douglas ex Hook.) Greene var. amoenum (Greene) R.J. Davis, Erysimum capitatum var. stellatum (J.T. Howell) Twisselmann, Erysimum capitatum var. washoense G. Rosab.]
{BC: Moran 30049 (SD 110376)}
This species occurs mostly in the upper foothills & mountains of n BC.
Ecoregions: CHA; Wider distrib.: CA, OR

Common Peppergrass

Lepidium densiflorum Schrad.
{BC: Moran 23614 (SD 94770)}
This very rare native species is only known from one historical specimen from the SJ in nw BC.
Ecoregions: CHA; Wider distrib.: SON, CHH, NLE, widespread in USA & Canada, naturalized in Europe, Asia, & South America.

Common Peppergrass

Lepidium dictyotum A. Gray
{BC: Moran 28293 (SD 104967)}
This very rare species is only known from our region from the vicinity of Ojos Negros in nw BC.
Ecoregions: CHA; Wider distrib.: CA, ID, OR, WA, UT

Alkali Peppergrass

Lepidium didymum L.
{syn = Coronopus didymus (L.) Smith}
{BC: Casillas 69 (SD 182674); BCS: León de la Luz 2621 (SD 126799)}
This rare non-native occurs in disturbed urban areas and has been documented in Ensenada & La Paz, but is expected elsewhere.
Ecoregions: CSS, VD, GCD; Wider distrib.: Native to South America, naturalized in SON, SIN, and introduced worldwide
Lesser Wall-Cress; Lesser Sine-Cress; Mastuerzo de las Indias

Lepidium flavum Torr.
{In Wiggins as Lepidium flavum Torr. var. flavum, L. flavum var. felipense C.L. Hitchc.}
Status in CFP: 2B.
{BC: Moran 13871 (SD 64692)}
This very rare species is only known in our region from the vicinity southeast of Ojos Negros. The varieties seem to overlap in their characters and are not recognized here, but more taxonomic work is needed.
Ecoregions: CHA; Wider distrib.: CA, NV

Yellow Peppergrass

Lepidium lasiocarpum Nutt. ex Torr. & A. Gray subsp. lasiocarpum
{In Wiggins as Lepidium lasiocarpum var. lasiocarpum; syn = Lepidium lasiocarpum var. georginum (Rydb.) Thell., Lepidium lasiocarpum var. rosulatum C.L. Hitchc., Lepidium lasiocarpum subsp. wrightii (A. Gray) Thell. var. pubescens Thell.}
Status in CFP: 3.
{BC: Moran 16951 (SD 76776); BCS: Moran 20186 (SD 92530)}
This native subspecies occurs mostly from the Pacific coast near Tijuana in nw BC south to the southern MAG region just north of the Cape region.
Ecoregions: CSS, CSU, LCD, CD, VD, GCD, MAG.; Wider distr.: SON, SIN, n Mexico, sw USA & TX

Sand Peppergrass; Lentejilla, Pamiña

Lepidium lasiocarpum Nutt. ex Torr. & A. Gray var. latifolium C.L. Hitchc.
{BC: Moran 22747 (SD 94216); BCS: Moran 19841 (SD 92580)}
This uncommon native variety occurs from near Cataviña in c BC south to the Cape region and on Guadalupe & Natividad islands in the Pacific.
Ecoregions: PI (Guadalupe, Natividad), CD, VD, GCD, MAG, CPL; Wider distr.: SON, COL (Clarion Island)

Broad-Leaf Peppergrass; Lentiniga Cimaronia, Pamiña

{In Wiggins as Lepidium lasiocarpum var. palmeri (S. Watson) C.L. Hitchc.}
{syn = Lepidium palmeri S. Watson}

Spreading Fissurewort

Halsmolobus aff. diffusa (A. Gray) O.E. Schulz
{syn = Sisymbrium diffusum A. Gray}
{BC: Rebman 25234 (SD 245158)}
This very rare native species has only been documented once in our region in the SLIB of s BC. This specimen is somewhat intermediate between H. diffusa & H. jaegeri and may represent an undescribed taxon.
Ecoregions: CD; Wider distr.: CHH, COA, AZ, NM, TX

Spreading Fissurewort

Halimolobus aff. palmeri Hitchc.
{syn = Sisymbrium palmeri Hitchc.}

Hirschfeldia incana (L.) Lagr.-Fossat
{syn = Sinapis incana L.}
{BC: Moran 29002 (SD 106016); BCS: Fuerte O. 161 (SD 176961)}
This non-native species is very common in nw BC.
Ecoregions: CSS, CHA, CMT, CSU, GCD; Wider distr.: Native to Mediterranean region, naturalized in SON, COA, CA, NV, OR, Eurasia, Africa, South America, Australia

Short-Pod Mustard, Mediterranean Mustard; Riqueta Bastarda, Moitaza

Hornungia procumbens (L.) Hayek
{In Wiggins as Hutchinsia procumbens (L.) Desv.; syn = Hymenolobus procumbens (L.) Nutt. ex Schinz & Thell., Hymenolobus divaricatus Nutt.]
{BC: Moran 27457 (SD 103694)}
This very rare native species occurs from near Cataviña in c BC southeast of Ojos Negros. The varieties seem to overlap in their characters and are not recognized here, but more taxonomic work is needed.
Ecoregions: CHA; Wider distr.: CA, OR

Broad-leaved Mustard; Lentiga, Pamita

Hitchc.

Lepidium acutidens (A. Gray) Howell
{syn = Lepidium dictyotum A. Gray var. acutidens A. Gray]
Status in CFP: 2B.
{BC: Moran 28292 (SD 104970)}
This very rare species is only known from our region from the vicinity of Ojos Negros in nw BC.
Ecoregions: CHA; Wider distr.: CA, OR

Sharp-Tooth Peppergrass
Lepidium lasiocarpum Nutt. ex Torr. & A. Gray subsp. wrightii (A. Gray) Thell.
[syn = Lepidium lasiocarpum var. wrightii (A. Gray) C.L. Hitchc.]
{BCS: Rehm 4677 (SD 141903)}
This very rare native subspecies occurs in the SSF & SGUAD in n BCS.
Ecoregions: CD, GI; Wider distrib.: SON, COA, TAM, AZ, NM, TX
WRIGHT PEPPERGRASS

Lepidium latipes Hook.
[syn = Lepidium latipes var. heckardii Rollins]
Status in CFP: 2A.
{BC: Moran 26858 (SD 101780)}
This rare species prefers vernal pool habitats and occurs in extreme nw BC.
Ecoregions: CSS, CHA; Wider distrib.: CA
DWARF PEPPERGRASS

Lepidium nitidum Nutt. in Torr. & A. Gray
{BC: Silva 4837 (SD 343673)}
This species occurs mostly along the Pacific coast and lower foothills of nw BC and on a few adjacent islands.
Ecoregions: CSS, CHA; Wider distrib.: CA
SHINING PEPPERGRASS

Lepidium oblongum Small var. insulare C.L. Hitchc.
{BC: Moran 7847 (SD 50050)}
This rare variety occurs at the immediate Pacific coast in nw BC from Tijuana to San Quintín and on adjacent Los Coronados, Todos Santos, San Martin, Cedros, San Benitos, Natividad, & Guadalupe islands.
Ecoregions: CSS, CSU, PI, CD; Wider distrib.: CA, OR, WA
SHINING PEPPERGRASS

Lepidium oblongum Small var. oblongum
{BC: M. Domínguez L. 3374 (HCIB 18252)}
This rare native variety occurs in the SGIG of BCS.
Ecoregions: GI; Wider distrib.: SON, widespread in Mexico, w & s USA, Central America
WAYSIDE PEPPERGRASS

*Lepidium perfoliatum L.
{BC: Moran 29688 (SD 108528)}
This very rare non-native occurs in extreme nw BC near Tecate.
Ecoregions: CHA; Wider distrib.: Native to Eurasia, naturalized & widespread in North America, South America, Africa, Australia
CLASPING PEPPERGRASS

*Lepidium pinnatifidum Ledeb.
{BC: Moran 28995 (SD 106001)}
This very rare non-native occurs in nw BC in the vicinity of San Quintín.
Ecoregions: CSU; Wider distrib.: Native to Europe, naturalized in CA, e Europe, w Asia
FEATHER-LEAF PEPPERGRASS

Lepidium ramosissimum A. Nelson
[syn = Lepidium ramosissimum var. bouargeanum (Thell.) Rollins]
{BC: H. Witham 375 (SD 74678)}
This very rare native species is only known from one historical specimen from the SSPM in nw BC.
Ecoregions: CMT; Wider distrib.: CHH, w & n USA, Canada
MANY-BRANCHED PEPPERGRASS

Lepidium thurberi Woot.
{BCS: Gilmarin 1843 (WS)}
This very rare native species is only known from one historical specimen collected in the SLL of BCS on 28 Jun 1972 at 1600 m, but this specimen needs to be verified.
Ecoregions: CPM; Wider distrib.: SON, n Mexico, sw USA
THURBER PEPPERGRASS

Lepidium virginicum L. subsp. menziesii (DC.) Thell.
{In Wiggins as Lepidium virginicum (no infraspecies); syn = Lepidium medium Greene var. pubescens (Greene) B.L. Rob., Lepidium medium Greene, Lepidium virginicum var. medium (Greene) C.L. Hitchc., Lepidium virginicum var. pubescens (Greene) Thell.}
{BC: Moran 14229 (SD 79739); BCS: León de la Luz 2705 (SD 126835)}
This uncommon native subspecies occurs most commonly in the foothills & mountains of nw BC from the w SJ south to the SSPM. It also occurs in BCS in the s SGIG & the SLL.
Ecoregions: CSS, CHA, CMT, CSU, GIG, CPM; Wider distrib.: SON, widespread in Mexico, w USA, w Canada
MENZIES PEPPERGRASS, HARRY PEPPERGRASS, LENTIJILLA DE CAMPO

Lepidium virginicum L. var. robinsonii (Thell.) C.L. Hitchc.
{In Wiggins as Lepidium virginicum L. (no vars.)}
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 30189 (SD 110544)}
This very rare native variety occurs mostly on clay soils at lower elevations in nw BC from San Vicente to the vicinity of San Quintín.
Ecoregions: CSS, CSU; Wider distrib.: CA
ROBINSON PEPPERGRASS

*Lobularia maritima (L.) Desv.
{In Wiggins as Lobularia maritima (L., Koniga maritima (L.) R. Br., Alyssum maritimum (L.) Lam.}
{BC: Moran 26498 (SD 101630); BCS: A.L. Reina G. 365 (SD 179242)}
This non-native is commonly planted and is known to naturalize rarely in urban or disturbed habitats, especially in the vicinity of Ensenada.
Ecoregions: CSS, VD; Wider distrib.: Native to the Mediterranean region, naturalized & widespread in North America, Central & South America, Europe, Asia, Africa, Australia
SWEET ALYSSUM

Lyocarpa coulteri Hook. & Harv. var. apiculata Rollins
BCS endemic.
{BC: Moran 20064 (SD 92582)}
This BCS endemic variety has broad leaves with apiculate lobes and occurs from the vicinity of San Ignacio south to La Paz & on a few adjacent Gulf islands.
Ecoregions: VD, GCD, GIG, MAG
GIGANTA LYREPOD

Lyocarpa coulteri Hook. & Harv. var. coulteri
{In Wiggins as Lyocarpa coulteri var. palmeri (S. Watson) Rollins}
Listed: CNPS 4.3.
This variable and widespread variety occurs from ne BC south to the vicinity of Loreto. Plants with shorter fruits and more narrowly divided leaves have been called variety palmeri, but these characters seem to be rather plastic and fall within the variation of the typical variety. Ecoregions: CSU, LCD, CD, KD, GCD; Wider distrib.: SON, AZ, CA

Coulter Lyrepod

Lyrocarpa linearifolia Rollins
{BC: Rebman 6469 (SD 148583); BCS: León de la Luz 10221 (SD 151926)}
This near-endemic species occurs only on Ángel de la Guarda & San Esteban islands in the Gulf. Ecoregions: CD (Ángel de la Guarda Island); Wider distrib.: SON (San Esteban Island)

Island Lyrepod

Lyrocarpa xanti Brandegee
{BCS: M. Domínguez L. 1773 (SD 140700)}
This BCS endemic species occurs in the southern half of BCS. Ecoregions: GIG, MAG, CPL

Xantus Lyrepod

*Matthiola incana* (L.) W. T. Aiton
{BC: Moran 28053 (SD 105398)}
This non-native is commonly planted and is known to naturalize along the immediate Pacific coast in nw BC. Ecoregions: CSS, CSU; Wider distrib.: Native to Europe, naturalized in CA, TX, Australia

Common Stock

Nasturtium officinale W.T. Aiton
{In Wiggins as Rorippa nasturtium-aquaticum (L.) Hayek}
{BC: Moran 14298 (SD 79746); BCS: M. Domínguez L. 1010 (SD 140699)}
This native species is scattered the length of the peninsula in more or less permanent wetland areas, but is most common in nw BC. Ecoregions: CSS, CHA, CMT, CD, KD, CPM; Wider distrib.: SON, scattered in Mexico, widespread in USA & Canada, distributed in temperate regions worldwide

Water-Cress; Berro de agua


Pennellia micrantha (A. Gray) Nieuwland
{syn = Thelypodium longifolium (Benth.) S. Watson var. catalinense M.E. Jones, Thelypodium micranthum (A. Gray) S. Watson, Streptanthus micranthus A. Gray, Pennellia robinsonii Rollins}
{BC: Moran 14152 (SD 79509); BCS: Hodgson 9583 (SD 145128)}
This uncommon species occurs on the peninsular sky islands of the SSPM, SSF, & SGUAD Ecoregions: CMT, CD, GIG; Wider distrib.: SON & n & c Mexico, AZ, NM, TX

Mountain Mock Thelpody

Pennellia cf. longifolia (Benth.) Rollins
{BCS: M. Domínguez L. 2726 (HCIB 12357)}
This rare species occurs in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central America

Long-Leaf Mock Thelpody


Physaria kingii (S. Watson) O’Kane & Al-Shehbaz subsp. latifolia (A. Nelson) O’Kane & Al-Shehbaz
{In Wiggins as Lesquerella kingii S. Watson; syn = Lesquerella kingii S. Watson var. latifolia A. Nelson, Lesquerella latifolia A. Nelson, Lesquerella occidentalis var. parviflora Maguire & A. Holmgren, Lesquerella barneyi Maguire} Status in CFP: 2B.

{BC: Moran 20950 (SD 83936)}
This uncommon species occurs at higher elevations in the SJ & SSPM of n BC. Ecoregions: CHA, CMT; Wider distrib.: sw USA

King Bladderpod

Physaria palmeri (S. Watson) O’Kane & Al-Shehbaz
{In Wiggins as Lesquerella palmeri S. Watson} BC endemic. Status in CFP: 1A, 5.

{BC: C.R. Orcutt 1099 (MO 192373)}
This very rare BC endemic is known only from the type specimen collected on 9 July 1884 in Topo Canyon on the eastern side of the SJ and was probably collected in desert transition habitats. Ecoregions: CMT, LCD

Palmer Bladderpod

Physaria pendiculata (Wiggins) O’Kane & Al-Shehbaz
{In Wiggins as Lesquerella pendiculata Wiggins} BC endemic. Status in CFP: 1B, 5.

{BC: Moran 14379 (SD 69749)}
This very rare BC endemic is only known from the higher elevation meadows of the SSPM and may be threatened by livestock grazing. Ecoregions: BCS endemic

San Pedro Martir Bladderpod

Planozus virginicum (L.) Greene
{syn = Cardamine parviflora subsp. virginica (L.) O.E. Schulz, Cardamine virginica L., Arabis virginica (L.) Poir., Sibara virginica (L.) Rollins}
Status in CFP: 2B.

{BC: Moran 15803 (SD 84015)}
This very rare species occurs in extreme nw BC. It is possible that this species is adventive in western North America because it is disjunct from the rest of its distribution. Ecoregions: CSS; Wider distr.: AZ, CA, e & c USA

Virginia Winged Rock-Cress, Wing Rock-Cress

*Raphanus raphanistrum* L.
{BC: Moran 18556 (SD 80220)}
This rare non-native occurs mostly in extreme nw BC, but might show up elsewhere on the peninsula. Ecoregions: CSS, CD; Wider distr.: Native to Mediterranean Europe, naturalized in SON & abundant in parts of Mexico, widespread in USA & Canada, Central & South America, Africa, Australia

Joined Charleslock; Rabanillo

*Raphanus sativus* L.
{syn = Raphanus raphanistrum L. var. sativus (L.) G. Beck}
{BC: Moran 28553 (SD 105426); BCS: M. Domínguez L. 396 (HCIB 16741)}
This non-native occurs mostly in nw BC, but has also been documented in the vicinity of La Paz. Ecoregions: CSS, CSU, PI, GCD; Wider distr.: Native to Mediterranean Europe, naturalized in SON & abundant in the highlands of Mexico, widespread in USA & Canada, temperate regions worldwide

Wild Radish; Rabano, Rabano Silvestre
Rorippa curvisiliqua (Hook.) Britton
[syn = Rorippa curvisiliquia var. orientalis Stuckey]
Status in CFP: 2B.
{BC: Moran 24411 (SD 97706)}
This rare species occurs in wet habitats in the SSPM.
Ecoregions: CHA; Wider distrib.: w USA, w Canada
PROSTRATE YELLOW-CRESS

Rorippa palustris (L.) Besser subsp. hispida (Desv.) Jonsell
[In Wiggins as Rorippa islandica (Oeder ex Murray) Borvas var. hispida (Desv.) Butters & Abbe; syn = Rorippa palustris var. hispida (Desv.) Rydb.]
{BC: M. Domínguez L. 3405 (HCIB 20740)}
This species is known from the SGIG and the SLL. Specimens from BCS do not match this taxon very well and need to be verified.
Ecoregions: GIG, CPM; Wider distrib.: widespread in North America
PACIFIC YELLOW-CRESS

Rorippa sinuata (Nutt.) Hitchc.
{BC: Salazar 5415 (SD 207405)}
This very rare species is only known from ephemeral ponds in the CD region of c BC.
Ecoregions: CD; Wider distrib.: Widespread in USA & Canada
SPREADING YELLOW-CRESS

Rorippa tenerrima Greene
{BC: Moran 28825 (SD 105776)}
This species occurs in nw BC.
Ecoregions: CSS, CMT; Wider distrib.: CHH, c & w USA & Canada
LYRATE-LEAF YELLOW-CRESS

Rorippa teres (Michx.) Stuckey var. rolliniis Stuckey
{BC: León de la Luz 490 (SD 225166)}
This rare species occurs in wet areas in the vicinity of Bahía de Magdalena of BCS.
Ecoregions: MAG; Wider distrib.: SON & w coast of Mexico to Central America
ROLLING ROCK-CRESS

Sibara davidsonii Al-Shehbaz
BCS endemic.
{BCS: C. Davidson 2031 (SD 90880)}
This very rare BCS endemic species occurs only on Magdalena Island in the Pacific. However, it should be noted that the type for this species could be a specimen of Dryopetalon purpureum since some flowers on the isotypes appear to have lobing along the petal margins.
Ecoregions: MAG (Magdalena Island)
MAGDALENA ROCK-CRESS

Sibara laxa (S. Watson) Greene
[syn = Nasturtium laxum S. Watson]
{BC: Moran 12318 (SD 97706); BCS: Moran 20149 (SD 102525)}
This near-endemic occurs from the San Felipe area south to La Purisima but is most common near the BC/BCS border area.
Ecoregions: CMT, CD, SD, GCD, MAG; Wider distrib.: SON
VIZCAINO ROCK-CRESS

* Sisymbrium altissimum L.
{BC: Moran 27301 (SD 102514)}
This uncommon non-native occurs mostly in nw BC in the foothills of the SJ & SSPM.
Ecoregions: CSS, CMT, SDU; Wider distrib.: Native to Europe, naturalized in n Mexico & widespread in North America, w Asia, Africa, South America
TUMBLE MUSTARD, JIM HILL MUSTARD; MOSTACILLA ALTA

* Sisymbrium irio L.
{BC: Moran 18360 (SD 77224); BCS: Moran 9127 (SD 66642)}
This common non-native occurs throughout most of the peninsula & adjacent islands in disturbed areas, except the higher elevations of the Cape region.
Ecoregions: CSS, CMT, SDU, PI, LC, CDM, CD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Eurasia, naturalized in most of temperate North America, Central & South America, Australia
LONDON ROCKET; PAMITÓN, MOSTACILLA COMÚN

* Sisymbrium officinale (L.) Scop.
[syn = Sisymbrium officinale var. leiocarpum DC., Erysimum officinale L.]
{BC: Moran 12318 (SD 97706); BC: Moran 20149 (SD 102525)}
This rare non-native occurs in nw BC in the vicinity of Ensenada.
Ecoregions: CSS, CMT, SDU, PI, LC, CDM, CD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Eurasia, naturalized in most of temperate North America, Central & South America, Australia
HEDGE MUSTARD

* Sisymbrium orientale L.
[syn = Brassica kaber (DC.) L.C. Wheeler var. orientalis (L.) Scoggan]
{BC: Moran 24134 (SD 97061)}
This non-native species occurs mostly in nw BC and on adjacent Pacific islands.
Ecoregions: CSS, CMT, SDU, PI, LC, CD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Eurasia, naturalized in SON, w USA, Central & South America, n Africa, Australia
HARE’S-EAR CABBAGE, INDIAN HEDGE MUSTARD

Streptanthella longirostris (S. Watson) Rydb.
[In Wiggins as Streptanthella longirostris var. derelicta J.T. Howell; syn = Streptanthus longirostris (S. Watson) S. Watson]

Rorippa curvisiliqua (Hook.) Britton
Status in CFP: 2B.
{BC: Moran 24411 (SD 97706)}
This rare species occurs in wet habitats in the SSPM.
Ecoregions: CHA; Wider distrib.: w USA, w Canada
PROSTRATE YELLOW-CRESS

Rorippa palustris (L.) Besser subsp. hispida (Desv.) Jonsell
[In Wiggins as Rorippa islandica (Oeder ex Murray) Borvas var. hispida (Desv.) Butters & Abbe; syn = Rorippa palustris var. hispida (Desv.) Rydb.]
{BC: M. Domínguez L. 3405 (HCIB 20740)}
This species is known from the SGIG and the SLL. Specimens from BCS do not match this taxon very well and need to be verified.
Ecoregions: GIG, CPM; Wider distrib.: widespread in North America
PACIFIC YELLOW-CRESS

Rorippa sinuata (Nutt.) Hitchc.
{BC: Salazar 5415 (SD 207405)}
This very rare species is only known from ephemeral ponds in the CD region of c BC.
Ecoregions: CD; Wider distrib.: Widespread in USA & Canada
SPREADING YELLOW-CRESS

Rorippa tenerrima Greene
{BC: Moran 28825 (SD 105776)}
This species occurs in nw BC.
Ecoregions: CSS, CMT; Wider distrib.: CHH, c & w USA & Canada
LYRATE-LEAF YELLOW-CRESS

Rorippa teres (Michx.) Stuckey var. rolliniis Stuckey
{BC: León de la Luz 490 (SD 225166)}
This rare species occurs in wet areas in the vicinity of Bahía de Magdalena of BCS.
Ecoregions: MAG; Wider distrib.: SON & w coast of Mexico to Central America
ROLLING ROCK-CRESS

Sibara davidsonii Al-Shehbaz
BCS endemic.
{BCS: C. Davidson 2031 (SD 90880)}
This very rare BCS endemic species occurs only on Magdalena Island in the Pacific. However, it should be noted that the type for this species could be a specimen of Dryopetalon purpureum since some flowers on the isotypes appear to have lobing along the petal margins.
Ecoregions: MAG (Magdalena Island)
MAGDALENA ROCK-CRESS

Sibara laxa (S. Watson) Greene
[syn = Nasturtium laxum S. Watson]
{BC: Moran 12318 (SD 65399); BCS: Moran 20149 (SD 92525)}
This near-endemic occurs from the San Felipe area south to La Purisima but is most common near the BC/BCS border area.
Ecoregions: CMT, SDU, PI, LC, CDM, CD, GCD, MAG; Wider distrib.: SON
VIZCAINO ROCK-CRESS

* Sisymbrium altissimum L.
{BC: Moran 27301 (SD 102514)}
This uncommon non-native occurs mostly in nw BC in the foothills of the SJ & SSPM.
Ecoregions: CSS, CMT, SDU; Wider distrib.: Native to Europe, naturalized in n Mexico & widespread in North America, w Asia, Africa, South America
TUMBLE MUSTARD, JIM HILL MUSTARD; MOSTACILLA ALTA

* Sisymbrium irio L.
{BC: Moran 18360 (SD 77224); BCS: Moran 9127 (SD 66642)}
This common non-native occurs throughout most of the peninsula & adjacent islands in disturbed areas, except the higher elevations of the Cape region.
Ecoregions: CSS, CMT, SDU, PI, LC, CDM, CD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Eurasia, naturalized in most of temperate North America, Central & South America, Australia
LONDON ROCKET; PAMITÓN, MOSTACILLA COMÚN

* Sisymbrium officinale (L.) Scop.
[syn = Sisymbrium officinale var. leiocarpum DC., Erysimum officinale L.]
{BC: Moran 12318 (SD 97706); BC: Moran 20149 (SD 102525)}
This rare non-native occurs in nw BC in the vicinity of Ensenada.
Ecoregions: CSS, CMT, SDU, PI, LC, CDM, CD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Eurasia, naturalized in most of temperate North America, Central & South America, Australia
HEDGE MUSTARD

* Sisymbrium orientale L.
[syn = Brassica kaber (DC.) L.C. Wheeler var. orientalis (L.) Scoggan]
{BC: Moran 24134 (SD 97061)}
This non-native species occurs mostly in nw BC and on adjacent Pacific islands.
Ecoregions: CSS, CMT, SDU, PI, LC, CD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Eurasia, naturalized in SON, w USA, Central & South America, n Africa, Australia
HARE’S-EAR CABBAGE, INDIAN HEDGE MUSTARD

Streptanthella longirostris (S. Watson) Rydb.
[In Wiggins as Streptanthella longirostris var. derelicta J.T. Howell; syn = Streptanthus longirostris (S. Watson) S. Watson]
This rare native species occurs mostly in low desert habitats of ne BC. Recent molecular data suggests that this species should be recognized in an expanded Streptanthus.

Ecoregions: LCD, CD; Wider distrib.: SON, w USA

**LONG-BEAK TWIST-FLOWER**


**Streptanthus campestris** Watson

Status in CFP: 4; Listed: CNPS 1B.3.

{BC: Moran 14393 (SD 79745)}

This species occurs on various sky islands in BC from the SJ to the SBO.

Ecoregions: CHA, CMT, CD; Wider distrib.: CA

**SOUTHERN JEWELFLOWER**

**Streptanthus carinatus** Wright subsp. *arizonicus* (S. Watson)

Kruckeberg, Rodman & Worthington

[In Wiggins as *Streptanthus arizonicus* S. Watson]

{BCS: Moran 20159 (SD 84037)}

This very rare species occurs only in ne BCS in the vicinity of V3V.

Ecoregions: GCD; Wider distrib.: SON, CHH, AZ, NM, TX

**ARIZONA JEWELFLOWER**

**Thelypodium wrightii** A. Gray

Status in CFP: 2B.

{BC: Moran 18050 (SD 76542)}

This rare species occurs in the s SJ & n SSPM of BC.

Ecoregions: CHA, CMT, LCD; Wider distrib.: SO, CHH, COA, HID, AZ, CO, NM, TX, UT

**WRIGHT THELPODY**


**Thysanocarpus curvipes** Hook. subsp. *ampletens* (Greene) P.J. Alexander & Windham

{BC: Moran 10282 (SD 54755)}

This subspecies occurs mostly in the CD region of BC in the vicinity of the SASAM.

Ecoregions: CHA, CD; Wider distrib.: SON, AZ, CA, NM

**SMOOTH LACEPOD/FRINGEPOD**

**Thysanocarpus curvipes** Hook. subsp. *curvipes* [syn = *Thysanocarpus crenatus* Nutt. ex Torr. & A. Gray]

Status in CFP: 4.

{BC: Moran 26717½ (SD 101727)}

This subspecies occurs mostly in nw BC.

Ecoregions: CSS, CD; Wider distrib.: w USA

**LACEPOD/FRINGEPOD**

**Thysanocarpus curvipes** Hook. subsp. *elegans* (Fisch. & C.A. Mey.) P.J. Alexander & Windham

{BC: Moran 23204 (SD 94844)}

This rather rare subspecies occurs in BC in the vicinity of Ensenada and San Matías Pass.

Ecoregions: CHA, CMT; Wider distrib.: CA

**ELEGANT LACEPOD/FRINGEPOD**

**Thysanocarpus curvipes** Hook. subsp. *eradiatus* (Jeps.) P.J. Alexander & Windham

{BC: Moran 27821 (SD 109441)}

This subspecies is rare in our region and occurs in the extreme n SJ.

Ecoregions: CMT; Wider distrib.: sw USA

**SAND LACEPOD/FRINGEPOD**

**Thysanocarpus erectus** S. Watson


{BC: Moran 6675 (SD 134614); BCS: Moran 19977 (SD 92412)}

This species is endemic to our region and occurs from the vicinity of San Quintín & San Matías south to the VPEN, & on Guadalupe & Cedros islands.

Ecoregions: CSU, PI (Cedros, Guadalupe), LCD, CD, LD

**BAJA CALIFORNIA FRINGEPOD**

**Thysanocarpus lacinatus** Nutt.

{BC: Moran 10714 (SD 53922)}

This species occurs mostly in nw BC and on Cedros Island.

Ecoregions: CSS, CHA, CSU, PI (Cedros), CD; Wider distrib.: AZ, CA, NV

**NOTCH FRINGEPOD**

**Thysanocarpus rigidus** (Munz) P.J. Alexander & Windham

{BC: Munz 9572 (POM 82728)}

This species is very rare in our region and only known from one historical specimen collection in the SJ of n BC.

Ecoregions: CMT; Wider distrib.: CA

**MOUNTAIN FRINGEPOD**

**Tropidocarpum gracile** Hook.

{BC: Moran 26518 (SD 134614); BCS: Moran 19977 (SD 92412)}

This uncommon species occurs in nw BC.

Ecoregions: CSS, CHA, CSU, PI (Cedros), CD; Wider distrib.: AZ, CA

**SLENDER DOBIE-POD**

**Burseraceae**


**Bursera cerasifolia** Brandegee

BCS endemic.

{BCS: Pérez Navarro 1400 (SD 148690)}

This rare BCS endemic species occurs mostly in the southern Cape region.
Bursera epiphanta (Rose) Engler
{BC: Burgess 6133 (SD 116937)}
This BCS endemic occurs throughout much of BCS from the SSF south to the Cape region.
Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: COL (Revillagigedo Islands)
SOUTHERN ELEPHANT TREE; COPAL, BLANCO, TOROTE

Bursera fagaroides (Kunth) Engler var. elongata McVaugh & Rzed.
[syn = Bursera confinis (Rose) Engl.]
{BC: León de la Luz 8984 (SD 142155)}
This species occurs in BCS from the SSF south to the c SGIG.
Ecoregions: CD, GIG; Wider distrib.: SON, SIN, & w Mexico
FRAGRANT ELEPHANT TREE; TOROTE BLANCO, TOROTE AMARILLO, TOROTE DE VENADO

Bursera filicifolia Brandegee
BCS endemic.
{BC: Turner 337 (SD 61207)}
This BCS endemic occurs mostly in the Cape region.
Ecoregions: GCD, CPL
FERN-LEAF ELEPHANT TREE; TOROTE BLANCO, COPALQUIN

Bursera filicifolia × B. hindsiana
BCS endemic.
{BC: J. Pérez Navarro 1364 (HCIB 14789)}
This uncommon interspecific hybrid occurs in the vicinity of La Paz.
Ecoregions: GCD
HYBRID FERN-LEAF ELEPHANT TREE

Bursera hindsiana (Benth.) Engl.
{BC: Moran 24629 (SD 98496); BCS: León de la Luz 873 (SD 141204)}
This species is common & widespread in our region from ne BC south to the Cape region and on various adjacent islands.
Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON
RED ELEPHANT TREE; COPAL, COPAL COLORADO, TOROTE, TOROTE PRIETO, COPAL ROJA

Bursera hindsiana × B. laxiflora
{BC: Pérez Navarro 1332 (SD 148929)}
This rare interspecific hybrid occurs in the vicinity of Comodú where both parent species overlap in our region.
Ecoregions: GIG
HYBRID RED ELEPHANT TREE

Bursera lancifolia (Schltdl.) Engl.
{BC: Medina C. 2216 (MO 5835765)}
This very rare native species is only known in our region from one specimen collected on Coronado Island in the Gulf that is deposited at MO and needs to be verified.
Ecoregions: GCD; Wider distrib.: SON, SIN, w & s Mexico
LANCE-LEAF ELEPHANT TREE; TOROTE JOLOPETE, TOROTE PRIETO

Bursera laxiflora S. Watson
{BC: A. Carter 5327 (SD 120777)}
This species occurs in the SGUAD & c SGIG of BCS.
Ecoregions: GIG; Wider distrib.: SON, SIN
DARK ELEPHANT TREE; TOROTE PRIETO, COPAL, PALO MULATO, COPALQUIN, TOROTE PAPELío

Bursera littoralis León de la Luz & Pérez Navarro
BCS endemic.
{BC: León de la Luz 11391 (SD 226919)}
This BCS endemic grows in coastal dunes and occurs in the western Cape region.
Ecoregions: MAG, CPL
COASTAL ELEPHANT TREE

Bursera microphylla A. Gray
Listed: CNPS 2.3.
{BC: D. Clemons 1292 (SD 118947); BCS: D. Clemons 1384 (SD 119020)}
This common and widespread species occurs throughout most of our region except in nw BC.
Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON & n Mexico, AZ, CA
LITTLE-LEAF ELEPHANT TREE; TOROTE, TOROTE BLANCO, COPAL, TOROTE ROJO, TOROTE COLORADO, TOROTE PRIETO

Bursera odorata Brandegee
BCS endemic.
{BC: A. Carter 5256 (SD 120781)}
This BCS endemic occurs from the vicinity of Mulegé south to the Cape region and is especially abundant in the SGIG. This species is closely related to B. fagaroides.
Ecoregions: GCD, GIG, MAG, CPL, CPM
GIGANTA ELEPHANT TREE; TOROTE BLANCO

Bursera rapicola León de la Luz & J. Pérez Navarro
BCS endemic.
{BC: J. Pérez Navarro 1269 (SD 148692)}
This rare BCS endemic species occurs mostly in the Sierra Caçachilas in the ne Cape region.
Ecoregions: CPL
CACAHILA ELEPHANT TREE; COPAL

Cactaceae

Bergerocactus emoryi (Engelm.) Britton & Rose
[syn = Cereus emoryi Engelm.]
Status in CFP: 4, 8; Listed: CNPS 2.2.
{BC: Rebman 5120 (SD 143000i)}
This species is a near-endemic to BC with a few populations in sw San Diego County and on San Clemente & Santa Catalina islands of CA. In mw BC it occurs from Tijuana south to the vicinity of El Rosario and on various adjacent islands.
Ecoregions: CSS, CSU, PI; Wider distrib.: CA
VELVET CACTUS, GOLDEN CLUB CACTUS, GOLDEN SPINE CEREUS, GOLDEN SNAKE CACTUS; CACTO ATERCIOPELADO

Cochemiea halei (K. Brandegee) Walton
[syn = Mammillaria halei K. Brandegee]
BCS endemic. Listed: NOM Pr.
{BC: Moran 10828 (SD 54238)}
This BCS endemic occurs only in the Bahía de Magdalena area on both Santa Margarita & Magdalena islands and rarely on the adjacent penisula.
Ecoregions: MAG
MAGDALENA COCHEMIEA; BIZNAGUITA
Cochemiea maritima G.E. Linds.  
BC endemic.  
{BC: Rebman 2301 (SD 138289)}  
This very rare BC endemic occurs along the Pacific coast in the vicinity of Santa Rosalillita.  
Ecoregions: CD 
MARITIME COCHEMIEA; BIZNAGUITA

Cochemiea pondii (Greene) Walton  
[syn = Mammillaria pondii Greene]  
LC endemic. Status in CFP: 1B, 5; Listed: NOM Pr.  
{BC: Rebman 2424 (SD 138290); BCS: Alejandra Nieto s.n., 7 Sep 1994 (HCIB 4901)}  
This insular endemic occurs mostly on Cedros Island and rarely on Natividad Island.  
Ecoregions: PI (Cedros, Natividad) 
CEDROS COCHEMIEA; BIZNAGUITA

Cochemiea poselgeri (Hildm.) Britton & Rose  
[syn = Mammillaria poselgeri Hildm., Mammillaria roseana Brandegee]  
BCS endemic.  
{BC: Rebman 2861 (SD 138042)}  
This rather common BCS endemic occurs mostly along the Gulf coast from San Ignacio south to the Cape region and on various southern Gulf islands.  
Ecoregions: VD, GCD, MAG, CPL 
BAJA CALIFORNIA COCHEMIEA; BIZNAGUITA, VIEJITOS

Cochemiea setispina (J.M. Coult.) Walton  
[syn = Mammillaria setispina (J.M. Coult.) K. Brandegee, Cochemiea pondii (Greene) Walton subsp. setispina (J.M. Coult.) U. Guzmán, Mammillaria pondi Greene var. setispina (J.M. Coult.) D.R. Hunt]  
LC endemic.  
{BC: Gibbons 31 (SD 136235); BCS: Dice 676 (SD 119665)}  
This uncommon species is endemic to our region and occurs in the SBOR & SLIB of southern BC and in the SSF & SGUAD of n BCS.  
Ecoregions: Ecoregions: LCD, CD, VD, GCD; Wider distrib.: SON, sw USA

Cochemiea gigantensis Rebman  
[syn = Cylindropuntia alcahes subsp. gigantensis (Rebman) U. Guzmán nom. nud.]  
BC endemic.  
{BC: Lindsay 3354 (SD 51546)}  
This uncommon BC endemic variety occurs along the Pacific coast in nw BC from the vicinity of Colonet south to Mesa San Carlos.  
Ecoregions: CSU, CD 
McGill CHOLLA; CHOLLA, CHOLLA BRINCADORA

Cylindropuntia californica (Torr. & A. Gray) F.M. Knuth var. delgadilloana (Rebman & Pinkava) Rebman  
[syn = Cylindropuntia delgadilloana Rebman & Pinkava, Cylindropuntia californica subsp. delgadilloana (Rebman & Pinkava) U. Guzmán]  
BC endemic.  
{BC: Rebman 1488 (SD 138784)}

Cylindropuntia californica (Torr. & A. Gray) F.M. Knuth var. californica  
[syn = Opuntia parryi Engelm. var. serpentina (Engelm.) L.D. Benson, Opuntia californica (Torr. & A. Gray) Coville var. californica]  
Status in CFP: 1B, 6; Listed: CNPS 1B.1.  
{BC: Rebman 2736 (SD 138733)}  
This rare variety occurs in nw BC along the Pacific coast and in the lower foothills from Tijuana south to Colonet.  
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA 
SNAKE CHOLLA

Cylindropuntia californica (Torr. & A. Gray) F.M. Knuth var. burrageana (Britton & Rose) Rebman  
{In Wiggins as Opuntia burrageana Britton & Rose; syn = Cylindropuntia burrageana (F.A.C. Weber) F.M. Knuth subsp. burrageana (Britton & Rose) U. Guzmán, Cylindropuntia burrageana (Britton & Rose) Backeb.}  
BCS endemic.  
{BC: Rebman 1660 (SD 137560)}  
This uncommon BCS endemic variety occurs from the s SGIG to the Cape region and on San Francisco Island in the southern Gulf.  
Ecoregions: GCD, GIG, CPL 
CAPE CHOLLA; CLAVELLINA

Cylindropuntia alcahes (F.A.C. Weber) F.M. Knuth var. megalii Rebman  
{In Wiggins as Opuntia megalii (Engelm.) Engelm.]  
{BC: Rebman 2565 (SD 138090); BCS: Rebman 2820 (SD 138087)}  
This species occurs mostly in BC from ne BC south along the Gulf coast to s BC and rarely in the VB near Laguna San Ignacio in nw BC.  
Ecoregions: LCD, CD, VD, GCD; Wider distrib.: SON, sw USA 
TEDDY-BEAR CHOLLA, JUMPING CHOLLA; CHOLLA GUERA, CHOLLA DEL OSO, CRIBE, CIRIBILLO

Cylindropuntia bigelovii (Engelm.) F.M. Knuth var. bigelovii  
{In Wiggins as Opuntia bigelovii Engelm.]  
{BC: Rebman 2565 (SD 138090); BCS: Rebman 2820 (SD 138087)}  
This species occurs mostly in BC from ne BC south along the Gulf coast to s BC and rarely in the VB near Laguna San Ignacio in nw BC.  
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA 
SNAKE CHOLLA

Cylindropuntia alcahes (F.A.C. Weber) F.M. Knuth var. alcahes  
{In Wiggins as Opuntia brevispina H.E. Gates, Opuntia echinocarpa Engelm. & J.M. Bigelow var. nuda J.M. Coult.; syn = Opuntia alcahes F.A.C. Weber var. alcahes]  
{BC: Rebman 2744 (SD 137551); BCS: Rebman 2624 (SD 137581)}  
This widespread & common variety is endemic to our region and occurs from the vicinity of El Rosario south to the s SGIG and on Cedros Island and various Gulf islands.
This rare BC endemic variety occurs in ne BC in the San Felipe Desert on the lower eastern side of the SSPM.
Ecoregions: LCD
DELGADILLO CHOLLA

**Cylindropuntia californica var. delgadilloana × var. rosarica**
BC endemic.
{BC: Moran 15304 (SD 67965)}
This rare hybrid between var. delgadilloana and var. rosarica occurs in the upper northwestern foothills of the SSPM where these two varieties overlap.
Ecoregions: CHA
Hybrid VALLEY CHOLLA

**Cylindropuntia californica** (Torr. & A. Gray) F.M. Knuth var. parkeri (J.M. Coult.) Pinkava
[In Wiggins as Opuntia parkeri Engelm.; syn = Opuntia californica (Torr. & A. Gray) Coville var. parkeri (J.M. Coult.) Pinkava, Opuntia bernardina Engelm. ex Parish]
{BC: Lindsay 3327 (SD 51551)}
This uncommon variety occurs mostly in the SJ in the upper foothills and higher mountains, but also rarely in the n SSPM.
Ecoregions: CHA, CMT; Wider distrib.: CA
VALLEY CHOLLA, CANE CHOLLA

**Cylindropuntia californica var. parkeri × var. rosarica**
BC endemic.
{BC: Moran 15304 (SD 67965)}
This rare hybrid between var. parkeri and var. rosarica occurs in the upper northwestern foothills of the SSPM where these two varieties overlap.
Ecoregions: CHA
Hybrid VALLEY CHOLLA

**Cylindropuntia californica** (Torr. & A. Gray) F.M. Knuth var. rosarica (G.E. Linds.) F.M. Knuth
[In Wiggins as Opuntia rosarica G.E. Linds.; syn = Cylindropuntia californica (Torr. & A. Gray) F.M. Knuth subsp. rosarica (G.E. Linds.) U. Guzmán]
BC endemic. Status in CFP: 4, 5; Listed: NOM A.
{BC: Rebman 1213 (SD 138778)}
This uncommon BC endemic variety occurs on the western & southwestern foothills of the SSPM.
Ecoregions: CSS, CHA, CSU, CD
EL ROSARIO CHOLLA

**Cylindropuntia calmalliana** (J.M. Coult.) F.M. Knuth
[syn = Opuntia calmalliana J.M. Coult.]
LC endemic.
{BC: Rebman 2822 (SD 138083); BCS: Rebman 1655 (SD 138082)}
This uncommon species is endemic to our region and occurs from the vicinity of Punta Prieto in s BC south to near Laguna San Ignacio in n BCS.
Ecoregions: CD, VC
CALMALLI CHOLLA

**Cylindropuntia cedrosensis** Rebman
BC endemic.
{BC: Lindsay 547 (SD 128197)}
This rare insular species is endemic to our region and occurs on Cedros & San Benitos islands.
Ecoregions: PI (Cedros, San Benitos)
CEDROS CHOLLA

**Cylindropuntia cholla** (F.A.C. Weber) F.M. Knuth
[In Wiggins as Opuntia cholla F.A.C. Weber]
{BC: Rebman 2703 (SD 138725); BCS: Rebman 1700 (SD 138215)}
This widespread species is endemic to our region and occurs from nw BC near Colonet south to the Cape region, on Natividad, Magdalena, & Santa Margarita islands in the Pacific, and on many Gulf islands.
Ecoregions: CSS, CSU, PI (Natividad), CD, VC, GCD, GIG, MAG, CPL
BAJA CALIFORNIA CHOLLA; CHOLLA, CHOLLA PELONA

**Cylindropuntia cirrie** (J.M. Coult.) F.M. Knuth
[In Wiggins as Opuntia cirrie Engelm. ex J.M. Coult.; syn = Cylindropuntia bigelowii (Engelm.) F.M. Knuth subsp. cirrie (J.M. Coult.) U. Guzmán]
BCS endemic.
{BCS: Rebman 1665 (SD 138075)}
This rare BCS endemic species occurs from the vicinity of Laguna San Ignacio south to near Comondú.
Ecoregions: VC, GCD, GIG, MAG
SOUTHERN TEDDY-BEAR CHOLLA; CIRIE

**Cylindropuntia chollana** (Engelm. & J.M. Bigelow) F.M. Knuth
[In Wiggins as Opuntia chollana Engelm. & J.M. Bigelow var. echinocarpa; syn = Opuntia wigginsii L.D. Benson, Cylindropuntia wigginsii (L.D. Benson) H. Robinson]
{BC: Rebman 2615 (SD 138072)}
This species is rare in our region and occurs in extreme ne BC in the vicinity of Mexicali.
Ecoregions: LCD; Wider distrib.: SON, sw USA
SILVER CHOLLA, GOLDEN CHOLLA

**Cylindropuntia ciribi** (C.B. Wolf) Rebman & Pinkava var. cata- 
vinenensis Rebman
[syn = Cylindropuntia ganderi var. cataviniensis (Rebman) U. Guzmán nom. nud.]
BC endemic.
{BC: Rebman 2727 (SD 138047)}
This uncommon BC endemic variety occurs mostly in the CD from near Cateviña south to the vicinity of Santa Rosalillita and also rarely in the extreme LCD near Bahía San Luis Gonzaga.
Ecoregions: LCD, CD
CATAVINA CHOLLA

**Cylindropuntia ganderi** (C.B. Wolf) Rebman & Pinkava var. ganderi
[syn = Cylindropuntia ganderi subsp. cataviniensis (Rebman) U. Guzmán nom. nud.] BC endemic.
{BC: Rebman 2727 (SD 138047)}
This uncommon BC endemic variety occurs mostly in the CD from near Cateviña south to the vicinity of Santa Rosalillita and also rarely in the extreme LCD near Bahía San Luis Gonzaga.
Ecoregions: LCD, CD
CATAVINA CHOLLA

**Cylindropuntia cholla** (C.B. Wolf) Rebman & Pinkava var. ganderi
{BC: Rebman 2678 (SD 138064)}
This native variety occurs in n & ne BC from the eastern side of the SJ south to San Matías Pass and the extreme northern end of the SSPM.
**Cylindropuntia libertadensis** Rebman

BC endemic.

*(BC: Rebman 17276 (SD 194634))*

This very rare BC endemic occurs only in the vicinity of El Paraiso Canyon in the SLIB of s BC.

Ecoregions: CD

**La Libertad Cholla**

**Cylindropuntia lindsayi** (Rebman) Rebman

[syn = Opuntia lindsayi Rebman]

BC endemic.

*(BC: Rebman 2639 (SD 137005); BCS: Rebman 1386 (SD 138234))*

This uncommon species is endemic to our region and occurs from the vicinity of Punta Prieto in s BC south to the extreme northern Cape region of BCS.

Ecoregions: CD, VD, GCD, GIG, MAG

**Lindsay Cholla**

**Cylindropuntia lindsayi × C. molesta**

BC endemic.

*(BC: Rebman 2308 (SD 138793))*

This rare interspecific hybrid between *C. lindsayi* and *C. molesta* var. *molesta* occurs in s BC in the vicinity of Rosarito where the two parent taxa overlap.

Ecoregions: CD

**Lindsay Hybrid Cholla**

**Cylindropuntia molesta** (Brandegee) F.M. Knuth var. *clavellina* (J.M. Coult.) Rebman

[syn = Opuntia clavellina Engel. ex J.M. Coult., *Cylindropuntia molesta* subsp. clavellina (J.M. Coult.) U. Guzmán]

BCS endemic.

*(BC: Rebman 1408 (SD 138248))*

This rare BCS endemic occurs mostly in the mountains and western foothills of the SGIG in central BCS and rarely in the s SGUAD.

Ecoregions: VC, GIG, MAG

**Southern Long-Spine Cholla; Clavellina**

**Cylindropuntia molesta** var. *molesta × C. cholla*

[In Wiggins as Opuntia molesta Brandegee]


*(BC: Rebman 2715 (SD 138250); BCS: Baker 12125 (SD 138684))*

This species is endemic to our region and is common throughout the CD region. It occurs from near San Quintín in nw BC south to San Ignacio in n BCS and also on Tortuga Island in the Gulf.

Ecoregions: CSU, CD, VC, GCD

**Long-Spine Cholla; Clavellina**

**Cylindropuntia munzii** (C.B. Wolf) Backeb.

[syn = *Cylindropuntia* x*munzii* (C.B. Wolf) Backeb. (as a hybrid taxon), Opuntia munzii C.B. Wolf]

*(BC: Rebman 2576 (SD 138792))*

This uncommon species occurs in ne BC from near Mexicali south to the extreme ne CD.

Ecoregions: LC, CD; Wider distrib.: CA

**Munz Cholla**

**Cylindropuntia proliferata** (Engelm.) F.M. Knuth

[In Wiggins as Opuntia proliferata Engel.]

*(BC: Rebman 2706 (SD 138697))*

This common species occurs mostly along the immediate Pacific coast from Tijuana south to near Mesa San Carlos in nw BC. It also occurs on various Pacific islands including Los Coronados, Todos Santos, San Martin, San Jeronimo, & Guadalape.

Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: CA

**Coast Cholla, Jumping Cholla**

**Cylindropuntia sanfelipensis** (Rebman) Rebman

[syn = Opuntia sanfelipensis Rebman, Grusonia sanfelipensis (Rebman) G.D. Rowley]

BC endemic.

*(BC: Rebman 1073 (SD 138265))*

This rare BC endemic occurs in ne BC from near San Matías south to San Felipe.

Ecoregions: LC

**San Felipe Cholla**

**Cylindropuntia tesajo** (Engelm.) F.M. Knuth

[In Wiggins as Opuntia tesajo Engelm. in J.M. Coult., *Opuntia cineracea* Wiggins; syn = *Cylindropuntia* tesajo var. *cineracea* (Wiggins) Backeb.]


*(BC: Rebman 1194 (SD 138281))*

This very rare BC endemic species occurs mostly in the LCD & CD and ranges from San Matías Pass south to the vicinity of Santa Rosalilita.

Ecoregions: CHA, LCD, CD, VC

**Tesajo Cholla; Tesajo, Tesallillo**

**Cylindropuntia tesajo × C. californica var. delgadilloana**

BC endemic.

*(BC: Rebman 4977 (SD 143398))*

This rare interspecific hybrid between *C. tesajo* and *C. californica* var. *delgadilloana* occurs in ne BC at the eastern base of the SSPM where the two parent taxa overlap.

Ecoregions: LCD

**San Felipe Hybrid Cholla**

**Cylindropuntia tesajo × C. californica var. rosarica**

BC endemic.
(BC: Van Devender 90-79a (SD 142794))
This very rare putative interspecific hybrid between C. tesajo and C. californica var. rosarica occurs in nw BC east of El Rosario where the two parent taxa overlap.
Ecoregions: CD
EL ROSARIO HYBRID CHOLLA

Cylindropuntia tesajo × C. gandleri var. gandleri
BC endemic.
(BC: Rebman 1467 (SD 138274))
This rare interspecific hybrid between C. tesajo and C. gandleri var. gandleri occurs in ne BC just east of San Matías Pass where the two parent taxa overlap.
Ecoregions: LCD
TESAJO HYBRID CHOLLA

Cylindropuntia tesajo × C. ramosissima
BC endemic.
(BC: Rebman 5296 (SD 143393))
This very rare interspecific hybrid between C. tesajo and C. ramosissima occurs in ne BC at the eastern base of the SSPM where the two parent species overlap.
Ecoregions: LCD
HYBRID DIAMOND CHOLLA

Cylindropuntia waltoniorum Rebman
LC endemic.
(BC: Rebman 2641 (SD 138240); BCS: Moran 20082 (SD 92356))
This relatively common species is endemic to our region and occurs from the SBOR in s BC south to the Cape region and on various Gulf islands. It is possible that this taxon is of hybrid origin between C. lindsayi & C. alcarnas var. alcarnas.
Ecoregions: CD, VD, GCD, GIG, MAG, CPL
SAN BORIA HEDGEHOG; PITAYITA

Cylindropuntia wolfii (L.D. Benson) M.A. Baker
[Syn = Opuntia echinocarpa] Engelm. & J.M. Bigelow var. wolfii
L.D. Benson, Opuntia wolfii (L.D. Benson) M.A. Baker
Listed: CNPS 4.3.
(BC: Rebman 2617 (SD 138284))
This very rare species occurs in extreme ne BC at the base of La Rumorosa on the lower eastern side of the SJ.
Ecoregions: LCD; Wider distr.: CA
WOLFE CHOLLA


Echinocereus barthelowanus Britton & Rose
BCS endemic.
(BC: Rebman 2787 (SD 138291))
This very rare BCS endemic occurs on Magdalena & Santa Margarita islands.
Ecoregions: MAG (Magdalena, Santa Margarita)
MAGDALENA HEDGEHOG; PITAYITA

Echinocereus brandegeei (J.M. Coult.) K. Schum.
LC endemic.
(BC: Lindsay 2005 (SD 44911); BCS: Moran 18712 (SD 80295))
This relatively common and variable species is endemic to our region and occurs from the s SLIB in s BC south to the Cape region and on various adjacent Pacific and Gulf islands.
Ecoregions: CD, VD, GCD, MA, CPL
BRANDEGEE HEDGEHOG; CASA DE RATA, PITAYITA, VIEJITOS

Echinocereus engelmannii (Engelm.) Lam.
[syn = Echinocereus munzii (Parish) L.D. Benson, Echinocereus engelmannii var. munzii (Parish) Pierce & Fosberg]
(BC: Rebman 2547 (SD 138292); BCS: Rebman 2356 (SD 138330))
This common and variable species occurs throughout most of BC along the sky islands from the n SJ south to the SBOR and in the CD region. It also occurs rarely in n BCS in the SSF & SGUAD.
Ecoregions: CHA, CMT, LCD, CD, GIG; Wider distr.: SON, sw USA
ENGELMANN HEDGEHOG; PITAYITA

Echinocereus ferreirianus H.E. Gates
LC endemic.
(BC: Moran 8016 (SD 50834); BCS: Moran 11654 (SD 127456))
This rare species is endemic to our region and occurs from just west of Bahía de Los Angeles in s BC south to Cerro Azafre in n BCS.
Ecoregions: CD, GCD
SAN BORIA HEDGEHOG; PITAYITA

Echinocereus grandis Britton & Rose
[syn = Echinocereus pectinatus (Schiedw.) Engelm. var. grandis (Britton & Rose) W.T. Marshall]
(BC: Moran 8897 (SD 66282))
This insular endemic occurs on San Lorenzo Island in our region and also on San Esteban Island of Sonora.
Ecoregions: GCD (San Lorenzo Island); Wider distr.: SON (Gulf islands)
SAN ESTEBAN HEDGEHOG, GIANT RAINBOW CACTUS; PITAYITA

Echinocereus lindsayi J. Meyran
[syn = Echinocereus ferreirianus H.E. Gates var. lindsayi (J. Meyran) N.P. Taylor]
BC endemic. Listed: NOM P.
(BC: Eczearra 1 (SD 143383))
This very rare BC endemic occurs to the south of Cataviña in c BC.
Ecoregions: CD
LINDSAY HEDGEHOG

Echinocereus maritimus (M.E. Jones) K. Schum. var. hancockii
(E.Y. Dawson) N.P. Taylor
[Syn = Echinocereus hancockii E.Y. Dawson, Echinocereus maritimus subsp. hancockii (E.Y. Dawson) W. Blum & Rutow]
BCS endemic.
(BC: Rebman 5623 (SD 142836))
This very rare BCS endemic variety occurs only on the VPEN near Bahía San Hipólito.
Ecoregions: VA
HANCOCK HEDGEHOG

Echinocereus maritimus (M.E. Jones) K. Schum. var. maritimus
[Syn = Cereus maritimus M.E. Jones, Echinocereus flaviflorus (Engelm.) K. Schum., Cereus glomeratus C.R. Orcutt, Cereus orangutii Rose ex C.R. Orcutt]
This species is endemic to our region and occurs along the Pacific coast throughout BC from Ensenada south to the VPEN in extreme nw BC.

Ecoregions: CSS, CSU, PI, CD, VD
COAST HEDGEHOG

Echinocereus monbergerianus G. Frank
BC endemic. Status in CFP: 1B, 5.
{BC: Rebman 5447 (SD 141959)}
This uncommon BC endemic species occurs at higher elevations in the SSPM. Some authors lump this species into E. pacificus that grows at much lower elevations in nw BC.

Ecoregions: CMT
SAN PEDRO MARTIR HEDGEHOG

Echinocereus pacificus (Engelm.) Britton & Rose
[syn = Cereus phoeniceusEngelm. var. pacificusEngelm., Echinocereus triglochidiatusEngelm. var. pacificus(Engelm.) Bravo, Echinocereus polyacanthus var. pacificus(Engelm.) N.P. Taylor, Echinocereus polyacanthus subsp. pacificus(Engelm.) Breckw.]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 21974 (SD 91746)}
This rare BC endemic occurs at lower elevations near Ensenada and Santo Tomás in nw BC.

Ecoregions: CSS, CHA
PACIFIC CLARET CUP CACTUS, PACIFIC HEDGEHOG; PITAYITA

Echinocereus sciurus (K. Brandegee) Britton & Rose
[syn = Echinocereus sciurus subsp. sciurus, Echinocereus sciurus var. sciurus]
BCS endemic. Listed: NOM Pr.
{BCS: Lindsay 3125 (SD 84096)}
This rare BCS endemic occurs in the southern Cape region.

Ecoregions: CPL
CAPE HEDGEHOG

*Echinopsis spachiana* (Lem.) Friedrich & G.D. Rowley
[syn = Trichocereus spachianus(Lem.) Riccob.]  
{BC: Moran 22566 (SD 91404)}
This non-native cactus is commonly planted as an ornamental and has rarely naturalized in the vicinity of San Vicente in nw BC.

Ecoregions: CSS; Wider distrib.: Native to South America
GOLDEN TORCH CACTUS

Ferocactus acanthodes (Lem.) Britton & Rose var. *tortulispinus*
(H.E. Gates) G.E. Linds.
BC endemic.
{BC: Rebman 2368 (SD 138301)}
This uncommon BCS endemic occurs in c BC in the CD region from the vicinity of Misión San Fernando Velicatá south to the SLIB.

Ecoregions: CD
CENTRAL DESERT BARREL CACTUS; BIZNAGA

Ferocactus chrysacanthus (Orcutt) Britton & Rose var. *carmenensis*
G.E. Linds.
[syn = Ferocactus duguetii subsp. carmensis(G.E. Linds.) F. Wolf & R. Wolf]  
BCS endemic.  
{BCS: Lindsay 2204 (SD 45651)}
This rare BCS endemic variety occurs on Carmen Island and differs slightly from var. duguetii in a few growth habit features in being smaller in stature and diameter.

Ecoregions: GCD
CARMEN BARREL CACTUS; BIZNAGA

Ferocactus duguetii (F.A.C. Weber) Britton & Rose var. *duguetii*
BCS endemic.  
{BCS: Moran 9578 (SD 66285)}
This uncommon BCS insular endemic occurs on various southern Gulf islands ranging from Santa Catalina south to Cerralvo.

Ecoregions: GCD
GIANT BARREL CACTUS; BIZNAGA

Ferocactus fordii (Orcutt) Britton & Rose var. *fordii*
[syn = Ferocactus fordii subsp. borealisN.P. Taylor]  
{BC: Rebman 2707 (SD 138780); BCS: León de la Luz 10779 (HCIB 21419)}
This common taxon occurs along the Pacific coast from San Quintín south to the VPEN in extreme nw BC. It also occurs on San Martín Island. The northern populations from San Quintín to El Rosario that have shorter spines and short plants have been recognized as subsp. borealis and may deserve recognition with more taxonomic study.

Ecoregions: CSU, PI (San Martín), CD, VD
FORD BARREL CACTUS; BIZNAGA

Ferocactus fordii (Orcutt) Britton & Rose var. *grandiflorus*
G.E. Linds.  
{syn = Ferocactus chrysacanthus (Orcutt) Britton & Rose subsp. grandiflorus (G.E. Linds.) N.P.Taylor]  
BCS endemic. Status in CFP: 1B, 9.
{BCS: Moran 15133 (SD 67810)}
This uncommon BCS endemic variety occurs on the VPEN from Bahía Tortugas south to Punta Abreojos and on Natividad Island.

Ecoregions: PI (Natividad), CD
LARGE-FLOWER FORD BARREL CACTUS; BIZNAGA
Ferocactus gatesii G.E. Linds.
[syn = Ferocactus gracilis H.E. Gates subsp. gatesii (G.E. Linds.) N.P. Taylor]
BC endemic.
{BC: Moran 4103 (SD 104571)}
This rare BC endemic occurs only on a few islands in Bahía de los Angeles. Some authors recognize this species as an infraspecies of F. gracilis which may be warrantted with more taxonomic study.
Ecoregions: GCD
GATES BARREL CACTUS; BIZNAGA

Ferocactus gracilis H.E. Gates var. coloratus (H.E. Gates) G.E. Linds.
[syn = Ferocactus coloratus H.E. Gates, Ferocactus gracilis subsp. coloratus (H.E. Gates) N.P. Taylor]
BC endemic.
{BC: C.F. Harbison s.n. 19 Apr. 1940 (SD 27187)}
This rare BC endemic variety occurs in sw BC from the vicinity of Punta Prieta south to Miller’s Landing.
Ecoregions: CD, VD
VIZCAINO RED-SPINE BARREL CACTUS; BIZNAGA

Ferocactus johnstonianus Britton & Rose
BC endemic. Listed: NOM Pr.
{BC: Moran 8183 (SD 50819)}
This very rare BC endemic occurs only on Ángel de la Guarda Island.
Ecoregions: GCD
ANGEL DE LA GUARDA BARREL CACTUS; BIZNAGA

Ferocactus peninsularae (F.A.C. Weber) Britton & Rose var. peninsularae
[syn = Ferocactus horridus Britton & Rose]
LC endemic.
{BC: Moran 4118 (SD 47022); BCS: Rebman 5251 (SD 141955)}
This variety is endemic to the peninsula and ranges from Bahía de Los Angeles south to the vicinity of Bahía Magdalena.
Ecoregions: CD, VD, GCD, GIG, MAG
PENINSULAR BARREL CACTUS; BIZNAGA

Ferocactus peninsularae var. viscainensis (H.E. Gates) G.E. Linds.
[syn = Ferocactus viscainensis H.E. Gates, Ferocactus peninsularae subsp. viscainensis (H.E. Gates) F. Wolf & R. Wolf]
LC endemic.
{BC: Lindsay s.n. 8 Aug 1951 (SD 122631); BCS: J. Pérez Navarro s.n., 17 Mar 1998 (HC1B 10798)}
This rare variety is endemic to our region and occurs from near Santa Rosalillita in sw BC south to near San Ignacio in n BCS.
Ecoregions: CD, VD
VIZCAINO BARREL CACTUS; BIZNAGA

Ferocactus peninsularae × F. rectispinus
BCS endemic.
{BCS: A. Carter 5323 (SD 131862)}
This rare putative interspecific hybrid between F. peninsularae var. peninsularae and F. rectispinus occurs in the SSF & SGIG of n BCS where the two parent species overlap.

Ferocactus viridescens (Torr. & A. Gray) Britton & Rose var. littoralis G.E. Linds.
[syn = Ferocactus viridescens subsp. littoralis (G. E. Linds.) F. Wolf & R. Wolf]
BC endemic. Status in CFP: 1B, 5; Listed: NOM A.
{BC: Moran 8277 (SD 51522)}
This very rare BC endemic variety occurs only along the Pacific coast in the vicinity of Santo Tomás.
Ecoregions: CSS
SANTO TOMAS COAST BARREL CACTUS; BIZNAGA

Ferocactus viridescens var. viridescens (Torr. & A. Gray) Britton & Rose var. viridescens
[syn = Ferocactus orcuttii (Engelm.) Britton & Rose, Ferocactus viridescens var. orcuttii (Engelm.) G. Unger, Ferocactus visidescens subsp. orcuttii (Engelm.) F. Wolf & R. Wolf]
Status in CFP: 1B, 6; Listed: NOM A. CNPS 2.1.
{BC: Rebman 5118 (SD 143092)}
This relatively common variety occurs in nw BC from Tijuana south to the vicinity of San Quintin.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA (sw San Diego County)
COAST BARREL CACTUS; BIZNAGA

**Grunsonia invicta** (Brandegee) E.F. Anderson

[In Wiggins as Opuntia invicta Brandegee; syn = Corynopuntia invicta (Brandegee) F.M. Knuth]


{BC: Moran 15762 (SD 129924); BCS: Hastings 383 (SD 61221)}

This species is endemic to the peninsula and ranges from Bahía de Los Ángeles south to the vicinity of Bahía de Magdalena.

Ecoregions: CD, VC, GCD, MAG

Baja California Club-Cholla; Casa Rada

**Grunsonia robertsii** Rebman


BCS endemic.

{BCS: Rebman 1361 (SD 155542)}

This very rare BCS endemic species is only known from a few individuals in the vicinity of San Ignacio.

Ecoregions: VD

Roberts Club-Cholla

**Grunsonia wrightiana** (E.M. Baxter) E.M. Baxter

[In Wiggins as Opuntia wrightiana (E.M. Baxter) Peebles; syn = Opuntia stanlyi Engel. var. wrightiana (E.M. Baxter) L.D. Benson, Opuntia stanlyi Engel. var. peeblesiana L.D. Benson, Corynopuntia stanlyi (Engel.) F.M. Knuth var. wrightiana (E.M. Baxter) Backeberg, Opuntia kunzei Rose misappl.]

{BC: Rebman 1474 (SD 138230)}

This rare species occurs in ne BC just east of San Martías Pass.

Ecoregions: LCD; Wider distrib.: SON, AZ

Vidal Club-Cholla, Devil Club-Cholla


**Lophocereus gatesii** M.E. Jones

[syn = Lophocereus schottii (Engelm.) Britton & Rose var. gatesii (M.E. Jones) Borg]

BCS endemic.

{BCS: J. Pérez Navarro 1255 (SD 145515)}

This rare BCS endemic occurs in a small area between Bahía de Magdalena and the Cape region along the Pacific coast.

Ecoregions: MAG

Gates Senita Cactus; Garambullo

**Lophocereus schottii** (Engelm.) Britton & Rose var. *australis* (K. Brandegee) Borg

[syn = Lophocereus australis (K. Brandegee) Britton & Rose, Pachycereus schottii (Engelm.) D.R. Hunt var. australis (K. Brandegee) P.V. Heath]

BCS endemic.

{BCS: Lindsay 3137 (SD 84095)}

This uncommon BCS endemic variety occurs only in the Cape region.

Ecoregions: CPL

Cape Senita Cactus; Garambullo

**Lophocereus schottii** (Engelm.) Britton & Rose var. *schottii*

[syn = Pachycereus schottii (Engelm.) D.R. Hunt var. schottii, Cereus sargentianus Orcutt]

{BC: Lindsay 3347 (SD 51534); BCS: D. Clemens 1381 (SD 119010)}

This widespread and common variety occurs throughout most of the peninsula from ne BC south to the vicinity of La Paz and on various adjacent Pacific islands including San Martín, Cedros, San Benitos and on various Gulf islands.

Ecoregions: CHA, CSU, PI, LCD, CD, VC, GCD, GIG, MAG; Wider distrib.: SON, AZ, CA

Senita Cactus; Garambullo, Senita

**Lophocereus schottii** (Engelm.) Britton & Rose var. *schottii f. meckleyanus* G.E. Linds.

BC endemic. Listed: NOM Pr.

{BC: Rebman 4011 (SD 141953)}

This rare BC endemic form is known from a couple of populations in BC; one in the vicinity of El Arco in s BC and another near Punta Canosas in w BC.

Ecoregions: CD

Sleender Totem Pole Cactus; Garambullo

**Lophocereus schottii** (Engelm.) Britton & Rose var. *schottii f. monstrosus* H.E. Gates

BC endemic. Listed: NOM Pr.

{BC: D.E. Pinkava 12222 (POM 320969)}

This rare BC endemic form is only known from one population just north of El Arco.

Ecoregions: VD

Totem Pole Cactus; Garambullo

**Lophocereus schottii** (Engelm.) Britton & Rose var. *schottii f. spiralis* Carter & León de la Luz


BCS endemic.

{BCS: León de la Luz, 30088 (HCIB 18812)}

This rare BCS endemic form is only known from an area east of Ciudad Constitución in c BCS.

Ecoregions: MAG

Spiral Totem Pole Cactus; Garambullo


**Mammillaria albicans** (Britton & Rose) A. Berger

[syn = Neomammillaria albicans Britton & Rose, Chilita albicans (Britton & Rose) Orcutt, Bartschella albicans (Britton & Rose) Doweld, Neomammillaria slevinii Britton & Rose, Mammillaria slevinii (Britton & Rose) Boed., Chilita slevinii (Britton & Rose) Orcutt, Mammillaria albicans forma dolorenis Lüthy]

BCS endemic. Listed: NOM Pr.

{BCS: Lindsay 3322 (SD 51576)}

This uncommon BCS endemic species occurs along the southern Gulf coast of the peninsula from the vicinity of Loreto south to La Paz and on many adjacent Gulf islands. It is reported that this species is restricted to limestone substrates.
Mammillaria angelesii R.T. Craig
BC endemic. Listed: NOM Pr.
{BC: Lindsay 2906 (SD 84070)}
This rare BC endemic occurs on Ángel de la Guarda & Smith islands at Bahía de Los Ángeles and has been reported from the peninsula in this area as well.
Ecoregions: CD
ÁNGEL DE LA GUARDIA NIPPLE CACTUS
Mammillaria armillata K. Brandegee
BCS endemic.
{BCS: G.A. Voss 1177 (SD 234086)}
This uncommon BCS endemic species occurs throughout most of the Cape region south of La Paz and has bristles in the tubercle axils similar to M. dioica.
Ecoregions: GCD, MAG, CPL
LOS CABOS NIPPLE CACTUS; VIEJITOS
Mammillaria blossfeldiana Boed.
{In Wiggins as Mammillaria blossfeldiana var. shurliana (H.E. Gates) Wiggins; syn = Mammillaria goodridgei Scheer in Salm-Dyck, var. blossfeldiana (Boed.) Neutel., Mammillaria goodridgei forma shurliana (H.E. Gates) Neutel.]}
BC endemic. Status in CFP: 1B, 9; Listed: NOM Pr.
{BC: Moran 8192 (SD 50820)}
This rare BC endemic species occurs mostly along the Pacific coast of c & s BC from near Punta Canoas south to the vicinity of Jesus Maria. It also occurs on Guadalupe Island and has been reported for Cedros Island. It should be noted that the taller form that occurs inland near Mesquital described as var. shurliana is being lumped into this species. Also, it is doubtful that the much larger growing & clumping, gymnoideous plants of Guadalupe Island belong in this species as they are likely an undescribed taxon more closely related to M. dioica.
Ecoregions: CD, VD, PI (Guadalupe) BLOSSFELD NIPPLE CACTUS; BIZNAGUITA
Mammillaria brandegeei (J.M. Coult.) K. Brandegee subsp. brandegeei
{In Wiggins as Mammillaria brandegeei (no subspecies); syn = Cactus brandegeei J.M. Coult., Mammillaria brandegeei var. magdalenensis Schwarz ex Backeb.}
{BC: Moran 22008 (SD 91782); BCS: T.S. Brandegeei s.n., 4 Apr 1889 (UC 108298)}
This subspecies is endemic to our region and occurs mostly in nw BC between Colonet & El Rosario. However, the type for this species is from “San Jorge” near Bahía de Magdalena in w BC so it is possible that this subspecies is either very wide ranging on the peninsula or the taxon occurring in w BC is actually a different entity and we have been misapplying the name “brandegeei” to the wrong taxon.
Ecoregions: CSU, CD, MAG BRANDEGEE NIPPLE CACTUS; BIZNAGUITA
Mammillaria bradecii J.M. Coult.) K. Brandegee subsp. gabbi J.M. Coult.) D.R. Hunt
{syn = Cactus gabbi J.M. Coult., Mammillaria gabbi (J.M. Coult.) K. Brandegee, Mammillaria brandegeei var. gabbi (J.M. Coult.) R.T. Craig}
BCS endemic.
{BCS: Rehman 2359 (SD 137564)}
This uncommon BCS endemic occurs mostly in n BCS, but is expected in s BC as well. It differs from subsp. brandegeei by having fewer central spines (1-2) and more radials (11-15).
Ecoregions: GD, VD, GIG GABBI NIPPLE CACTUS
Mammillaria brandegeei (J.M. Coult.) K. Brandegee subsp. glareosa (Boed.) D.R. Hunt
{In Wiggins as Mammillaria dawsonii (Houghton) R.T. Craig; syn = Mammillaria glareosa Boed., Neomammillaria dawsonii Houghton}
BC endemic.
{BC: Lindsay s.n. 18 Apr 1960 (SD 84110)}
This very rare BC endemic subspecies occurs mostly along the immediate Pacific coast in the vicinity of Santa Rosalilita in sw BC.
Ecoregions: CD SANTA ROSALILITA NIPPLE CACTUS
Mammillaria brandegeei (J.M. Coult.) K. Brandegee subsp. lewisiana (G.E. Linds. ex H.E. Gates) D.R. Hunt
{In Wiggins as Mammillaria lewisiana G.E. Linds. ex H.E. Gates]
BCS endemic.
{BC: Lindsay 2999 (SD 84128)}
This very rare BC endemic subspecies occurs in the vicinity of Rancho Mesquital in extreme sw BC to the east of Jesus Maria and differs from the other subspecies by having longer, slightly curly spines.
Ecoregions: CD, VD LEWIS NIPPLE CACTUS
Mammillaria capensis (H.E. Gates) R.T. Craig
{syn = Neomammillaria capensis H.E. Gates, Mammillaria dioica K. Brandegee var. capensis (H.E. Gates) Neutel., Cochemiea capensis (H.E. Gates) Doweld}
BCS endemic. Listed: NOM Pr.
{BCS: G.A. Voss 1190 (SD 234089)}
This rare BCS endemic occurs in the lower elevations of the Cape region and is somewhat similar looking to M. armillata & M. dioica.
Ecoregions: CPL CAPE NIPPLE CACTUS; VIEJITOS
Mammillaria cerralboa (Britton & Rose) Orcutt
{syn = Neomammillaria cerralboa Britton & Rose, Mammillaria dioica K. Brandegee var. cerralboa (Britton & Rose) Neutel., Mammillaria armillata K. Brandegee subsp. cerralboa (Britton & Rose) D.R Hunt, Bartschella cerralboa (Britton & Rose) Doweld}
BCS endemic. Listed: NOM Pr.
{BC: Lindsay 3308 (SD 51573)}
This rare BCS endemic occurs only on Cerralvo Island off of the northeastern coast of the Cape region.
Ecoregions: CPL (Cerralvo Island) CERRALVO NIPPLE CACTUS
Mammillaria dioica K. Brandegee
{syn = Cochemiea dioica (K. Brandegee) Doweld, Mammillaria fordii Orcutt, Mammillaria incerta Parish, Mammillaria dioica var. incerta (Parish) Munz, Mammillaria dioica forma incerta (Parish) Neutel.]
Mammillaria evermanniana (Britton & Rose) Orcutt
[syn = Neomammillaria evermanniana Britton & Rose]
B.C.S. endemic. Listed: NOM Pr.
{BCS: Lindsay 2174 (SD 45750)}
This rare insular B.C.S. endemic species occurs mostly on Cerralvo Island in the southern Gulf, but specimens from Santa Catalina Island off of Loreto seem to fit this species as well.
Ecoregions: GCD (Santa Catalina Island), CPL (Cerralvo Island)
EVERMANN NIPPLE CACTUS

Mammillaria fraileana (Britton & Rose) Bodeker
[syn = Mammillaria albicans (Britton & Rose) A. Berger subsp. fraileana (Britton & Rose) D.R. Hunt, Chilita fraileana (Britton & Rose) Orcutt, Bartschella albicans (Britton & Rose) Doweld subsp. fraileana (Britton & Rose) Doweld, Mammillaria albicans forma fraileana (Britton & Rose) Lüthy]
B.C.S. endemic.
{BCS: Lindsay 3012 (SD 80468)}
This rare B.C.S. endemic species occurs in the vicinity of La Paz, especially north to Pichilingue and on adjacent Espíritu Santo & Partida islands. It has been reported for other Gulf islands near Loreto, but no specimens have been found that document it in that insular region.
Ecoregions: GCD, CPL
FRAILE NIPPLE CACTUS; VIEJITOS

Mammillaria goodridgei Scheer in Salm-Dyck var. goodridgei
[syn = Cactus goodridgei Scheer in Salm-Dyck, Chilita goodridgei (Scheer) Orcutt, Mammillaria goodrichii (spelling variant), Mammillaria goodridgei (spelling variant)]
BC endemic. Status in CFP: 1B, 5; Listed: NOM Pr.
{BC: Rebmam 2472 (SD 138315)}
This rare B.C.S. endemic variety occurs on Cedros Island and has been reported for Natividad Island but without voucher specimens.
Ecoregions: PI (Cedros)
GOODRIDGE NIPPLE CACTUS

Mammillaria goodridgei Scheer in Salm-Dyck var. rectispina E.Y. Dawson
[syn = Mammillaria rectispina (E.Y. Dawson) Repp.]
BC endemic. Status in CFP: 1B, 5; Listed: NOM Pr.
{BC: Rebmam 2473 (BCMEX 7172)}
This rare B.C.S. endemic variety occurs on Cedros Island and is sometimes lumped into a broader species concept by some authors, but more taxonomic work is needed to verify this as Rebman has collected both at the same locality and noted significant differences.
Ecoregions: PI (Cedros)
CEDROS NIPPLE CACTUS

Mammillaria grahamii Engel.
{In Wiggins as Mammillaria microcarpa Engel.; syn = Cactus grahamii (Engelm.) Kuntze, Cochemiea grahamii (Engelm.) Doweld, Mammillaria microcarpa Engel. subsp. grahamii (Engelm.) Mot-
**Mammillaria peninsularis** (Britton & Rose) Orcutt  
[syn = Neomammillaria peninsularis Britton & Rose]  
BCS endemic. Listed: NOM Pr.  
{BCS: Rebman 2867 (SD 137544)}  
This rare BCS endemic occurs in the sw & western sides of the Cape region.  
Ecoregions: CPL  
**PENINSULAR NIPPLE CACTUS**

**Mammillaria petrophila** K. Brandegee subsp. *arida* (Rose ex Quehl) D.R. Hunt  
[In Wiggins as Mammillaria arida Rose ex Quehl]  
BCS endemic.  
{BCS: Lindsay 3111 (SD 59048)}  
This very rare BCS endemic subspecies occurs at Pichilingue in the vicinity of La Paz.  
Ecoregions: GCD  
**PICHILINGUE NIPPLE CACTUS; VIEJITOS**

**Mammillaria petrophila** K. Brandegee subsp. *baxteriana* (H.E. Gates) D.R. Hunt  
BCS endemic.  
{BCS: Lindsay 1920 (SD 128186)}  
This rare BCS endemic subspecies occurs throughout much of the Cape region.  
Ecoregions: CPL, CPM  
**BAXTER NIPPLE CACTUS; VIEJITOS**

**Mammillaria petrophila** K. Brandegee subsp. *petrophila*  
[In Wiggins as Mammillaria gatesii M.E. Jones]  
BCS endemic.  
{BCS: Lindsay 3088 (SD 84125)}  
This rare BCS endemic subspecies occurs mostly in the SLL, but also in the Sierra Cacachilas and between Cabos San Lucas & Todos Santos in the Cape region.  
Ecoregions: CPL, CPM  
**ROCK NIPPLE CACTUS; PITAVITA, VIEJITA, VIEJITOS**

**Mammillaria phitauiana** (E.M. Baxter) Werderm.  
BCS endemic.  
{BCS: Baxter s.n. 1930 (photo of type) (SD 53304)}  
This rare BCS endemic occurs in the Cape region of BCS, especially in the SLL.  
Ecoregions: CPL, CPM  
**LA LAGUNA NIPPLE CACTUS**

**Mammillaria schumannii** Hildm.  
[In Wiggins as Bartschella schumannii (Hildm.) Britton & Rose; syn = Mammillaria venusta K. Brandegee, Mammillaria schumannii var. globosa R. Wolf]  
BCS endemic.  
{BCS: Rebman 2958 (SD 138043)}  
This uncommon BCS endemic species occurs in the Cape region and differs from all other Mammillaria species in our region by having a circumscissile fruit.  
Ecoregions: CPL  
**SCHUMANN NIPPLE CACTUS**

**Mammillaria petrophila** (K. Brandegee) G.D. Rowley  
[syn = Echinocereus petrophilus (K. Brandegee) J.A. Purpus]  
BCS endemic. Listed: NOM Pr.  
{BCS: Moran 7448 (SD 50838)}  
This rare BCS endemic monotypic genus is restricted to the higher peaks of the SLL & Sierra Cacachilas in the Cape region.  
Ecoregions: CPL, CPM  
**CAPE SNAKE CACTUS, HANGING CACTUS; CLAVELLINA, PITAYITA**

**× Myrgerocactus lindsayi** Moran  
BC endemic. Status in CFP: 1B, 5.  
{BC: Rebman 2193 (SD 138316)}  
This very rare BC endemic, naturally occurring intergeneric hybrid between Myrtillocactus cochal and Bergerocactus emoryi is only known from a few individuals collected in the vicinity of El Rosario.  
Ecoregions: CSS, CSU, PI (San Martín), CD, GIG, MAG, CPL, CPM  
**CANDELABRA CACTUS; COCHAL, FRUITILLA**

**Myrtillocactus cochal** (Orcutt) Britton & Rose  
[syn = Myrtillocactus geometrizans (Pfeiff.) Console var. cochal (Orcutt) W.T. Marshall]  
{BC: Moran 15343 (SD 67954); BCS: Rebman 2626 (SD 138318)}  
This common species is endemic to our region and occurs from the vicinity of Colonet in nw BC south to the Cape region and historically on San Martin Island.  
Ecoregions: CSS, CHA, CSU, PI (San Martín), CD, GIG, MAG, CPL, CPM  
**CANDELABRA CACTUS; COCHAL, FRUITILLA**

**Myrtillocactus chlorotica** (Engelm. & J.M. Bigelow  
{BC: Lindsay 2955 (SD 84149); BCS: Rebman 3003 (SD 138993)}  
This uncommon native species occurs in the Cape region mostly in tropical thornscrub habitats and also on adjacent Cerralvo Island. This species has been reported for coastal Sonora and San Pedro Nolasco Island, but this needs to be verified.  
Ecoregions: CPL, CPM  
**BRAVO PRICKLY-PEAR**

**Opuntia bravoana** E.M. Baxter  
BCS endemic. Listed: NOM Pr.  
{BCS: Rebman 5871 (SD 143374)}  
This uncommon BCS endemic species occurs in tropical thornscrub habitats and also on adjacent Cerralvo Island. This species has been reported for coastal Sonora and San Pedro Nolasco Island, but this needs to be verified.  
Ecoregions: CPL, CPM  
**BRUNO PRICKLY-PEAR**

**Opuntia chlorotica** (Engelm. & J.M. Bigelow  
{BC: Lindsay 2955 (SD 84149); BCS: Rebman 3003 (SD 138993)}  
This uncommon native species occurs in the upper foothills, mountains, & desert transition areas of the SJ & SSPM in n BC and on various sky islands in c & s BC including the SASAM & SLIB. It also occurs in the SSF & V3V of n BCS.  
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, sw USA  
**PANCAKE PRICKLY-PEAR; NOPAL RASTRERO**

**Opuntia clarkiorum** Rebman  
BC endemic.  
{BC: Rebman 5365 (SD 143930)}
This rare BC endemic was recently described and occurs in nw central BC from El Rosario to the vicinity of Misión San Fernando Velicatá.

Ecoregions: CSU, CD

Clark prickly-pear

Opuntia comonduensis (J.M. Coult.) Britton & Rose

[syn = Opuntia angustata Engel. var. comonduensis J.M. Coult.] BCS endemic.

{BCS: Rebman 5128 (SD 141975)}

This BCS endemic species occurs throughout much of BCS from the vicinity of Comondu & Loreto south to the Cape region and on various adjacent Gulf islands. Note that the plants along the immediate Gulf coast & on the Gulf islands are likely an undescribed taxon closely related to this species.

Ecoregions: GCD, GIG, MAG, CPL

Comondu prickly-pear; nopal

Opuntia engelmannii Salm-Dyck ex Engel. var. engelmannii

[syn = Opuntia discata Griffiths, Opuntia phaeacantha Engel. var. discata (Griffiths) L.D. Benson & Walkington, Opuntia dillei Griffiths]

Status in CFP: 2B.

{BC: Rebman 2685 (SD 138223); BCS: Rebman 2628 (SD 138226)}

This rare native species occurs in the foothills & desert transition areas of the SJ & SSPM of n BC. It also occurs in the SSF of n BCS.

Ecoregions: CHA, LCD, CD; Wider distrib.: SON, SIN, n & c Mexico, sw USA

Engelmann prickly-pear; nopal

*Opuntia ficus-indica* (L.) Mill.

[In Wiggins as Opuntia megacantha Salm-Dyck misappl.; syn = Cactus ficus-indica L.]

{BC: Rebman 5355 (SD 143363); BCS: Rebman 5875 (SD 143331)}

This non-native species is planted as an ornamental & cultivated for food throughout the peninsula and has rarely naturalized in mw BC and adjacent Todos Santos Island, & in the SLL of BCS.

Ecoregions: CSS, CSU, PI (Todos Santos), CPM; Wider distrib.: Presumably native to s Mexico, introduced & cultivated worldwide Mission prickly-pear, tuna cactus, indian-fig; tuna de Castilla, nopal de castilla

Opuntia lagunae E.M. Baxter

BCS endemic.

{BC: Rebman 5874 (SD 143330)}

This very rare BCS endemic species occurs at higher elevations in the SLL of the Cape region.

Ecoregions: CPM

La Laguna prickly-pear; tuna morada

Opuntia littoralis (Engelm.) Cockerell

{BC: Rebman 5340 (SD 143357)}

This uncommon native species occurs along the Pacific coast and lower foothills from Tijuana south to El Rosario and rarely in the extreme nw CD region. It also occurs on the adjacent Los Coronados islands in the Pacific.

Ecoregions: CSS, CSU, PI (Coronados), CD; Wider distrib.: CA

Coast prickly-pear; nopal

Opuntia occidentalis Engel.

[syn = Opuntia engelmannii Salm-Dyck ex Engel. var. occidentalis (Engelm.) Engel.] {BC: Moran 21058 (SD 84652)}

This rare species occurs in mw BC from Tijuana south to El Rosario and on adjacent South Coronado Island. This variable species is likely of hybrid origin involving at least 3 species; putatively O. littoralis × (O. engelmannii × O. phaeacantha).

Ecoregions: CSS, CSU, PI (Coronados); Wider distrib.: CA

Western prickly-pear

Opuntia oricola Philbr.

Status in CFP: 2A.

{BC: Rebman 5342 (SD 143355)}

This native species occurs along the Pacific coast in mw BC from Tijuana south to the vicinity of Colonel and on the adjacent islands of Los Coronados, Todos Santos, & Cedros. It should be noted that the plants on Cedros Island are likely an undescribed taxon closely related to this species.

Ecoregions: CSS, CSU, PI; Wider distrib.: CA

Chaparral prickly-pear; nopal

Opuntia phaeacantha Engel.

{BC: Rebman 2773 (SD 138254)}

This native species occurs mostly in the SJ & SSPM and in the western & eastern foothills of these ranges in n BC.

Ecoregions: CSS, CHA, CMT, LCD; Wider distrib.: SON, SIN, n & c Mexico, sw USA

Brown-spine prickly-pear, desert prickly-pear; nopal

Opuntia pubescens H.L. Wendl. ex Pfeiff.

[syn = Opuntia pumila Rose]

{BC: Rebman 4540 (SD 141900)}

This rare native species occurs in the SGUAD & in the Cape region of BCS.

Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America

False-cholla; cardo, nopal cardoso, vixivixio

Opuntia pycnantha Engel. in J.M. Coult.


{BC: Rebman 1708 (SD 138258)}

This rare BCS endemic species occurs on Magdalena & Santa Margarita islands and rarely on the adjacent peninsula at Bahía de Magdalena.

Ecoregions: MAG

Magdalena prickly-pear

Opuntia tapona Engel.

BCS endemic.

{BC: Rebman 2844 (SD 138273)}

This uncommon BCS endemic species occurs in the lower foothills and mountains of the SGUAD & SGIG of e BCS. This species epithet has been misapplied to the more common O. comonduensis which has puberulent stems versus the glabrous pads of O. tapona.

Ecoregions: GCD, GIG

Loreto prickly-pear; tuna tapona, nopal

Opuntia wilcoxii Britton & Rose

{BC: R. Domínguez C. 2673 (HCIB 17424)}

This very rare native species occurs at higher elevations in the SLL of BCS. Note that the plants in BCS are similar to O. wilcoxii but may represent an undescribed taxon.

Ecoregions: CPM; Wider distr.: SON, SIN, w & sw Mexico

Wilcox prickly-pear
x Pachycereus orcuttii (K. Brandegee) G.D. Rowley
[In Wiggins as × Pachgerocereus orcuttii (K. Brandegee) Moran; syn = Cereus orcuttii K. Brandegee, Pachylocereus orcuttii (K. Brandegee) Britton & Rose] BCS endemic. Status in CFP: 1B, 5. {BC: Rebman 5951 (SD 143671)}
This very rare BC endemic, naturally occurring intergeneric hybrid between Pachylocereus pringleii and Bergeocereus emoryii is only known from a few individuals collected in the vicinity of El Rosario. Ecoregions: CSU
Orcutt Hybrid Cactus

Pachycereus pecten-aboriginum (Engelm. ex S. Watson) Britton & Rose
{BC: Moran 7041 (SD 127470)}
This uncommon species occurs mostly in tropical deciduous forest/thorncrqu vegetation in the Cape region of BCS. Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w Mexico
Hairbrush Cactus, Indian Comb, Aborigine’s Comb; Cardón Bengón, Echoc, Hecho, Cardón Espinosa

Pachycereus pringlei (S. Watson) Britton & Rose
[syn = Cereus calvus Engelm. ex J.M. Coult., Cereus calvus var. calvus (Engelm. ex J.M. Coult.) Britton & Rose, Pachylocereus calvus (Engelm. ex J.M. Coult.) Britton & Rose] {BC: Moran 25055 (SD 98593); BCS: D. Clemens 1387 (SD 119000)}
This common and widespread species occurs throughout most of our desert regions from the vicinity of San Matías Pass & San Quintín in the north to the Cape region in the south. It also occurs on Cedros, Natividad, Magdalena, & Santa Margarita islands in the Pacific and on many islands in the Gulf. Ecoregions: CSU, PI, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON
Elephant Cactus; Cardón, Cardón Pelón, Sahueso

Peniocereus johnstonii Britton & Rose
[BC: Chambers 30 (SD 136294)]
This BCS endemic species occurs from the c SGIG south to the Cape region and on various adjacent Gulf islands. Ecoregions: GCD, GIG, MAG, CPL
Johnston Night-blooming Cereus, Baja California Night-blooming Cereus; Saramatraca

Peniocereus striatus (Brandegee) F. Buchbaum
[In Wiggins as Wilcoxia striata (Brandegee) Britton & Rose, Wilcoxia duguetii (F.A.C. Weber) Duguet & Guillaumin; syn = Neoe-vansa striata (Brandegee) Sánchez-Mejorada, Peniocereus duguetii (F.A.C. Weber) Backeberg] {BC: C.F. Harbison s.n. 22 Mar 1947 (SD 41593); BCS: Rebman 2866 (SD 138033)}
This uncommon species occurs from extreme se BC south to the Cape region and on various adjacent Pacific and Gulf islands. Ecoregions: VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, AZ
Dahlia-root Cereus, Nightblooming Cereus, Gear-stem Cactus; Rajamatraca, Cardoncillo, Jacamatraca, Sacamatraca, Pitayita, Sarramatraca

Pereskioips porteri (F.A.C. Weber) Britton & Rose
[syn = Opuntia porteri Brandegee ex F.A.C. Weber, Pereskioips gatessii E.M. Baxter, Opuntia rotundifolia Brandegee] {BC: Rebman 2854 (SD 138032)}
This uncommon species occurs throughout much of the Cape region of BCS. Ecoregions: MAG, CPL, CPM; Wider distrib.: SON, SIN, NAY
Porter Pereskioips; Alcajera, Rajamatraca, Rosa Amarillo


Stenocereus erica (Brandegee) A.C. Gibson & K.E. Horak
[In Wiggins as Machaerocereus erica (Brandegee) Britton & Rose; syn = Lamaireocereus erica (Brandegee) Britton & Rose] BCS endemic.
{BC: Moran 21363 (SD 88086)}
This rare and morphologically unique BCS endemic species occurs along the Pacific coast from La Bocana de San Gregorio south to Bahía de Magdalena and on Santa Margarita Island. Ecoregions: MAG
Creeeping Devil, Caterpillar Cactus, Chirinola

Stenocereus gummosus (Engelm.) A.C. Gibson & K.E. Horak
In Wiggins as Mahaerocereus gummosus (Engelm.) Britton & Rose; syn = Lamaireocereus gummosus (Engelm.) Britton & Rose {BC: Moran 11228 (SD 54373); BCS: Rebman 2799 (SD 138324)}
This widespread and common species occurs throughout most of the Peninsula from near Ensenada in NW BC south to the Cape region. It also occurs on the Pacific islands of San Martin, Cedros, Magdalena, & Santa Margarita and on many Gulf islands. Ecoregions: CSS, CSU, PI, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON
Gallopin Cactus, Sour Pitaya; Pitaya Agria

Stenocereus littoralis (K. Brandegee) L.W. Lenz
{BC: Dice 552 (SD 117568)}
This rare & threatened BCS endemic species occurs only along the immediate coast of the southern Cape region near Los Cabos. Ecoregions: CPL
Cape Organ Pipe Cactus, Dwarf Organ Pipe Cactus; Pitaya Dulce, Pitaya Costeña, Pitayita

Stenocereus thurberi (Engelm.) F. Buchbaum
[In Wiggins as Lamaireocereus thurberi (Engelm.) Britton & Rose var. thurberi; syn = Rathbunia thurberi (Engelm.) P.V. Heath] {BC: Rebman 2637 (SD 138029); BCS: Rebman 1360 (SD 138030)}
This common species occurs throughout most of the southern half of the Peninsula from the vicinity of Rosarito in SW BC to the Cape region and on several Gulf islands. Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, CHH, AZ
Organ Pipe Cactus; Pitaya Dulce, Pitayita
Campanulaceae


**Downingia cuspidata** (Greene) Rattan
Status in CFP: 1A.
{BC: Moran 27118 (SD 102118)}
This very rare vernal pool species was only known historically from the vicinity of Tijuana airport in extreme nw BC and may have been extirpated from our region.
Ecoregions: CSS; Wider distrib.: CA

**Githopsis diffusa** A. Gray subsp. *guadalupensis* (Morin) Lammers
{In Wiggins as Githopsis specularioides Nutt. subsp. candida Ewan; syn = Githopsis diffusa A. Gray subsp. candida (Ewan) Morin var. guadalupensis Morin}
BC endemic. Status in CFP: 2A.
{BC: Moran 6611 (SD 48245)}
This rare subspecies is endemic only to Guadalupe Island.
Ecoregions: PI (Guadalupe)

**Heterocodon rariflorum** Nutt.
Status in CFP: 2B.
{BC: Steve Boyd 2760 (RSA 519438)}
This species is rare in n BC and occurs in the SSPM.
Ecoregions: CHA; Wider distr.: CA

*S. Hippobroma longiflora* (L.) G. Don
{syn = Isotoma longiflora (L.) C. Presl}
{BC: M. Domínguez L. 285 (HCIB 16736)}
This non-native is cultivated in BCS and rarely naturalizes in the Cape region.
Ecoregions: CPL; Wider distr.: CA, Mexico

**Lobelia aurita** (Brandegee) T.J. Ayers
{In Wiggins as Heteroeta aurita Brandegee; syn = Calcaratolobelia a. (Brandegee) Wilbur, Lobelia cotensis M.E. Jones, Lobelia amabilis M.E. Jones}
BCS endemic.
{BC: Moran 6948 (SD 50443)}
This BCS endemic occurs in the Cape region.
Ecoregions: CPL, CPM

**Lobelia cardinalis** L. var. *pseudosplendens* McVaugh
{In Wiggins as Lobelia cardinalis subsp. graminea (Lam.) McVaugh}
Status in CFP: 2B.
{BC: Moran 14507 (SD 79592)}
This species is rather rare in our region and occurs in wetter habitats in the SJ & SSPM of n BC.

**Lobelia dunnii** Greene var. *dunnii*  
{syn = Palmerella debilis A. Gray, Laurentia debilis (A. Gray) McVaugh}
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 14579 (SD 68143)}
This BC endemic subspecies occurs mostly in the higher elevation foothills & mountains of the SJ & SSPM.
Ecoregions: CSS, CHA, CMT, CSU

**Lobelia laxiflora** Kunth subsp. *angustifolia* (A. DC.) Eakes & Lammers
{In Wiggins as Lobelia laxiflora var. angustifolia A. DC.; syn = Lobelia laxiflora var. brevipes W. Wimm.}
{BCS: A.J. Sloan s.n., 27 May 1965 (SD 61429)}
This subspecies occurs infrequently in BCS from the SGUAD to the s SGIG.
Ecoregions: CPL, CPM; Wider distr.: SON & widespread in Mexico, AZ, Central America

**Nemacladus australis** (Munz) Morin
{In Wiggins as Nemacladus glanduliferus Jeps. var. australis (Munz) McVaugh; syn = Nemacladus rigidus Curran var. australis Munz}
BC endemic.
{BC: R.L. Dressler 596 (RSA 72281)}
This rare BC endemic occurs in the vicinity of El Rosario and east to the Gulf side of the peninsula from Puertecitos to Bahía de Los Angeles.
Ecoregions: LCD, CD

**Nemacladus glanduliferus** Jeps.
{In Wiggins as Nemacladus glanduliferus Jeps. var. glanduliferus (RSA 92430); BCS: Moran 19927 (SD 92440)}
This species occurs from ne BC south along the Gulf side of the peninsula to the VPEN in extreme nw BCS.
Ecoregions: LCD, CD, GCD; Wider distr.: AZ, CA, NV

**Nemacladus longiflorus** A. Gray var. *breviflorus* McVaugh
{BC: Wiggins 9851 (UC)}
This very rare native variety is only known in our region from one historical specimen collected on the lower eastern side of the SSPM in n BC.
Ecoregions: LCD; Wider distr.: AZ, CA, UT

**Nemacladus longiflorus** A. Gray var. *longiflorus*  
Status in CFP: 3. 
{BC: Moran 27341 (SD 103663)}
This uncommon variety occurs in nw BC in the foothills & mountains of the SJ & SSPM. Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

**LONG-FLOWER THREADPLANT**

*Nemacladus orientalis* (McVaugh) Morin
[In Wiggins as Nemacladus glanduliferus Jeps. var. orientalis McVaugh]

Status in CFP: 3.
{BC: Moran 16406 (SD 75355); BCS: H.S. Gentry 7496 (RSA 439325)}

This species occurs from the lower east side of the SJ south into the CD and on the VPEN of extreme nw BCS. Ecoregions: CSS, LCD, CD, VD; Wider distrib.: SON, sw USA

**RED-TIP THREADPLANT**

*Nemacladus pinnatifidus* Greene

Status in CFP: 3.
{BC: Moran 16137 (SD 73053)}

This species occurs in nw BC in the western foothills of the SJ & SSPM. Ecoregions: CSS, CHA; Wider distrib.: CA

**COMB-LEAF THREADPLANT**

*Nemacladus ramosissimus* Nutt.

Status in CFP: 3.
{BC: Moran 27413 (SD 103662)}

This species occurs in nw BC in the western foothills of the SJ & SSPM. Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

**NUTTALL’S THREADPLANT**

*Nemacladus sigmoideus* G.T. Robbins

Status in CFP: 3.
{BC: Moran 17264 (SD 77041)}

This rare species occurs in the SJ & south to the vicinity of Bahía de Los Angeles. Ecoregions: CMT, LCD; Wider distrib.: AZ, CA, NV

**SMALL-FLOWER THREADPLANT**

*Nemacladus tenuis* (McVaugh) Morin var. *tenuis*
[syn = Nemacladus rubescens Greene var. tenuis McVaugh]
{BC: D. Clemons 2375 (SD 133341)}

This uncommon species occurs in extreme n BC on the lower eastern side of the SJ. Ecoregions: LCD; Wider distrib.: CA

**DESSERT THREADPLANT**

*Triodanis biflora* (Ruiz & Pav.) Greene
[syn = Triodanis perfoliata (L.) Nieuwl. var. biflora (Ruiz & Pav.) Bradley, T. perfoliata subsp. biflora (Ruiz & Pav.) Lammers, Specularia biflora (Ruiz & Pavón) Bradley Fisch. & C.A. Mey.]
{BC: Moran 27185 (SD 102491); BCS: Thomas 7910 (SD 50039)}

This uncommon species occurs in nw BC and on various sky islands scattered down the peninsula south to the SLL of BCS. Ecoregions: CSS, CHA, CSU, PI, CD, GIG, CPM; Wider distrib.: SON, widespread in USA except northern portion, South America

**SMALL VENUS LOOKING-GLASS**

**Cannabaceae**

*Cannabis sativa* L.
[syn = Cannabiss sativa subsp. indica (Lam.) E. Small & Cronquist]
{BC: Francisco Castillas July 2010 (SD 222098); BCS: R. Domínguez C. 1095 (HCIB 3150)}

This non-native species is illegally planted in various places on the peninsula and is known to naturalize rarely. Ecoregions: LCD, CPL; Wider distrib.: Native to Asia, naturalized in SON, and widespread worldwide

**MARIJUANA, HEMP; MOTA, HEROCA**


*Celis ehrenbergiana* (Klotzsch) Liebm.
{BC: Rehman 17231 (SD 194615); BCS: Moran 23898 (SD 95342)}

This native shrub occurs in the mountains and along the Gulf coast from the SLIB south to the Cape region. Specimens of this species are commonly misidentified as C. iguanaea (Jacq.) Sarg. This genus was previously recognized in the Ulmaceae. Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, NM, TX, Central & South America

**DESSERT HACKBERRY; HUASTECHO, GRANJENO, VAINO BLANCO, VINOLO, GARAMBULLO**

*Celis reticulata* Torr.
{BC: Rehman 17230 (SD 194616); BCS: Moran 18211 (SD 124346)}

This native species occurs mostly on sky islands from the SLIB south to the SLL. This genus was previously recognized in the Ulmaceae. Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON, & n Mexico, w & sw USA

**NET-LEAF HACKBERRY, SUGARBERRY; PALO BLANCO, PALO ESTRIGO, VAINORO, GARABATO BLANCO, CÚMERO**

**Capparaceae**

*Atamisquea emarginata* Miers ex Hook. & Arn.
[syn = Capparis atamisquea Kuntze, non Capparis emarginata A. Rich nec Zipp. ex Span.]
{BC: Moran 11549 (SD 59555); BCS: Dice 534 (SD 117558)}

This native shrub occurs from Bahía de Los Angeles south to the vicinity of La Paz. Ecoregions: CD, VD, GCD, MAG; Wider distrib.: SON, SIN, AZ, South America

**VOMIT BUSH; PALO HIDIONDO, JUAVEN, PALO ZORILLO, JUABIBENA, JUVA VENA**

**Caprifoliaceae**

*Lonicera hispidula* (Lindl.) Torr. & A. Gray
[syn = Lonicera hispida var. vacillans A. Gray]

Status in CFP: 2A.
{BC: Rebman 6800 (SD 155040)}

This very rare species is only known from one specimen on Guadalupe Island in our region. Ecoregions: PI (Guadalupe); Wider distrib.: CA, OR

**CALIFORNIA HONEYSUCKLE**

*Lonicera subspicata* Hook. & Arn. var. *denudata* Rehder
[In Wiggins as Lonicera subspicata var. johnstonii Keck]
{BC: Moran 22427 (SD 91114); BCS: Moran 20429 (SD 86963)}

This species commonly occurs in nw BC and also on Cedros Island & various sky islands as far south as V3V in n BCS. Ecoregions: CSS, CHA, CMT, PI (Cedros), CD; Wider distrib.: CA

**SOUTHERN HONEYSUCKLE; MORONEL, BRONEL**
Symphoricarpos longiflorus  A. Gray

[In Wiggins as Symphoricarpus oreophilus A. Gray misappl.]

Status in CFP: 2B.
{BC: Moran 24649 (SD 98391)}
This species is only known from the SSPM in our region. Thorne (2010) suggests that the taxon in the SSPM is subspecies martirensis

Ecocregions: CMT; Wider distrib.: CHH, w USA

(Fragrant Snowberry)

Symphoricarpos mollis  Nutt.
{syn = Symphoricarpus albus (L.) Blake var. mollis (Nutt.) Keck}
Status in CFP: 2B.
{BC: Moran 22242 (SD 91150)}

This species occurs in extreme nw BC at lower elevations between Tijuana and Santo Tomás.

Ecocregions: CSS, CHA; Wider distrib.: w USA, sw Canada

(Creepping Snowberry, Trip Vine)

Symphoricarpos albus  (L.) S.F. Blake var. laevigatus  (Fernald) S.F. Blake

{BC: R.F. Thorne 55895 (SD 124200)}
This species occurs rarely in the SJ of n BC.

Ecocregions: CMT, Wider distrib.: w USA, w Canada

(Snowberry)

Symphoricarpos rotundifolius  A. Gray var. parishii  (Rydby.) Dempter
{syn = Symphoricarpus parishii Rydb., Symphoricarpus oreophilus Gray var. parishii (Rydby.) Cronquist]
Status in CFP: 2B.
{BC: Rebman 5376 (SD 145319)}

This species is known from the SJ & SSPM of n BC.

Ecocregions: CMT, Wider distrib.: AZ, CA, NM

(Parish Snowberry)

Caricaceae

Jarilla caudata  (Brandegee) Standl.
{syn = Carica caudata Brandegee, Jarilla sesseana (Ramírez) Rusby, Mocinna heterophylla Cerv. ex La Llave var. sesseana Ramírez]
{BC: M. Domínguez L. 284 (SD 140695)}

This rare species occurs in the SLL of BCS.

Ecocregions: CPM; Wider distrib.: w USA, sw Canada

(Sticky Mouse-Ear Chickweed)

Caryophyllaceae

Cardionema ramosissimum  (Weim.) A. Nelson & J.F. Macbr.

{BC: Moran 27601 (SD 102697)}

This species occurs in nw BC along the immediate Pacific coast from Tijuana south to San Quintín.

Ecocregions: CSS, CSU; Wider distrib.: w USA, South America

(Willow Mouse-Ear Chickweed)

Drymaria peninsularis  S.F. Blake, Drymaria johnstonii Wiggins

{syn = Drymaria polystachya Brandegee var. diffusa (Rose) Wiggins, Drymaria polystachya Brandegee, Drymaria diffusa Rose]

BCS endemic.
{BC: Moran 18894 (SD 120748)}

(Tread Lightly)

Drymaria arenarioidea  Humb. & Bonpl. ex Schult. subsp. peninsularis  (S.F. Blake) J.A. Duke

{BC: Madue 957 (SD 93650)}

This near-endemic subspecies occurs mostly in the Cape region near Los Cabos and on Espíritu Santo Island. Specimens previously identified as D. molluginea (Lag.) Didr. are this taxon.

Ecocregions: GCD, CPL; Wider distrib.: SON

(Pennisular Drymarr)

Drymaria debilis  Brandegee

{syn = Drymaria polystachya Brandegee var. diffusa (Rose) Wiggins, Drymaria polystachya Brandegee, Drymaria diffusa Rose]

BCS endemic.
{BC: Moran 18894 (SD 120748)}
This BCS endemic occurs from the vicinity of Mulegé south to the SLL along the Gulf coast and on various adjacent Gulf islands.

Ecoregions: GCD, GIG, CPL, CPM
CAPE DRYMARY

Drymaria glandulosa Bartl. var. glandulosa
[syn = Drymaria fendleri S. Watson, Drymaria glandulosa var. fendleri (S. Watson) Fosberg]
{BCS: Thomas 7763 (SD 50116)}
This native species occurs in BCS from the SSF south to the Cape region.
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, CHH, COA, NLE, SLP, AZ, NM, South America
SOUTHERN DRYMARY

Drymaria gracilis Cham. & Schltdl. subsp. carinata (Brandegee) J.A. Duke
[syn = Drymaria carinata Brandegee var. perennis Wiggins]
BCS endemic.
{BCS: Moran 7089 (SD 50523)}
This BCS endemic subspecies occurs mostly in the Cape region of the SLL. Specimens from Sonora identified as this taxon are D. glandulosa.
Ecoregions: GCD, GIG, CPL, CPM
LA LAGUNA DRYMARY

Drymaria holosteoides Benth. var. crassifolia (Benth.) J.A. Duke
[syn = Drymaria crassifolia Benth.]
BCS endemic.
{BCS: Pérez Navarro 657 (SD 141202)}
This BCS endemic occurs mostly along beaches in the Cape region, but also along the southern Pacific & Gulf coasts and on a few adjacent islands.
Ecoregions: GCD, MAG, CPL
GULF DRYMARY

Drymaria holosteoides Benth. var. holosteoides
[syn = Drymaria veatchii Curran]
LC endemic.
{BC: Rehman 4864 (SD 144767); BCS: Rehman 3611 (SD 141021)}
This subspecies is endemic to our region & occurs from the vicinity of San Felipe in ne BC to the Bahía de Magdalena area in BCS and on some adjacent islands.
Ecoregions: PI, LCD, CD, GD, GCD, GIG, MAG
DESERT DRYMARY; RAMITAS GOLONDRINA

Drymaria leptophylla (Cham. & Schltdl.) Fenzl ex Rohrb. var. leptophylla
[syn = Drymaria tenella A. Gray]
Status in CFP: 2B.
{BC: Moran 24651 (SD 98385)}
This species occurs at high elevations in the SPPM of n BC.
Ecoregions: CMT; Wider distrib.: SON, CHH, SLP, AZ, CO, NM, TX
CANYON DRYMARY

Drymaria viscosa S. Watson
Status in CFP: 4.
{BC: Moran 19444 (SD 84422); BCS: Webster 21654 (SD 125407)}
This species prefers sandy substrates and occurs sporadically from vicinity the of San Quintin south to the Cape region.
Ecoregions: CSU, GD, GIG, MAG, CPL; Wider distrib.: SON, AZ
STICKY DRYMARY

*Herniaria hirsuta* L. var. *cinerea* (DC.) Loret & Barrandon
[In Wiggins as Herniaria cinerea DC.]
{BC: Moran 27264 (SD 102531)}
This non-native occurs in extreme nw BC from Tijuana to San Vicente and on Guadalupe Island.
Ecoregions: CSS, CHA, PI (Guadalupe); Wider distrib.: Native of s Europe, naturalized in SON, AZ, CA, MD, OR, sw Asia, n Africa
BURSTWORT, RUPUREWORT

Loeflingia squarrosa Nutt.
[syn = Loeflingia squarrosa subsp. cactorum Barneby & Twisselmann]
{BC: Moran 20995 (SD 83900)}
This uncommon native occurs mostly in nw BC, but ranges from Tecate south to the SASAM in c BC.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: SON, c & w USA
CALIFORNIA LOEFLINGIA, SPREADING PYGMY-LEAF

Minuartia douglassii (Torr. & A. Gray) Mattf.
[In Wiggins as Arenaria douglassii Torr. & A. Gray]
{BC: Moran 17569 (SD 73100)}
This native annual occurs mostly in nw BC and on various sky islands in the CD as far south as the SLIB.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: AZ, CA, OR
DOUGLAS SANDWORT

Paronychia mexicana Hemsl. subsp. monandra (Brandegee) Chaudhri
{syn = Paronychia monandra Brandegee}
{BCS: Rehman 5774 (SD 143133)}
This native taxon occurs in the SLL of the Cape region.
Ecoregions: CPM; Wider distrib.: SIN
MEXICAN NAILWORT

Polycarpon tetraphyllum (L.) L. subsp. *depressum* (Nutt.) Iamonomico
{In Wiggins as Polycarpon depressum Nutt.}
Status in CFP: 2A.
{BC: Moran 26599 (SD 101598)}
This small native annual occurs rarely along the immediate Pacific coast of nw BC and on Todos Santos & Cedros islands.
Ecoregions: CSS, CSU, PI (Todos Santos, Cedros); Wider distrib.: CA
CALIFORNIA POLYCARP

*Polycarpon tetraphyllum* (L.) L. subsp. *tetrphyllum*
{BC: Moran 28767 (SD 105371)}
This rare non-native occurs in disturbed areas in the vicinity of Ensenada.
Ecoregions: CSS; Wider distrib.: Native to s Europe, naturalized in se USA, CA, TX, w Canada
FOUR-LEAF ALLSEED

*Sagina apetala* Ard.
{BCS: M. Domínguez L. s.n., 18 Mar 1999 (HCIB 12523)}
This rare non-native occurs in the mountains of the Cape region in BCS.
Ecoregions: CPM; Wider distrib.: Native to Europe, naturalized in CA, KS, sw Canada
DWARF PEARLWORT, STICKY PEARLWORT
**Sagina decumbens** (Elliott) Torr. & A. Gray subsp. *occidentalis* (S. Watson) G.E. Crow
[syn = Sagina occidentalis S. Watson]
Status in CFP: 2B.
{BC: Moran 25833 (SD 127338)}
*This rare native annual occurs in nw BC mostly in the vicinity of Colonet.*
Ecoregions: CSS, CSU; Wider distrib.: w USA, sw Canada

**Silene versicolor (Michaux) Nutt.**
[In Wiggins as Silene versicolor var. angustifolia C.L. Hitchc. & Maguire; syn = Silene versicolor subsp. angustifolia C.L. Hitchc. & Maguire]  
Status in CFP: 2A.
{BC: Ran 11419 (SD 19213); BCS: M. Domínguez L. 1756 (SD 140964))}
*This native annual occurs at higher elevations in the SPP & SLL.*  
Ecoregions: CHA, CMT, CSU; Wider distrib.: CA, Mexico, sw USA, Central & South America

**Spergularia macrotheca** (Hornem. ex Cham. & Schldl.) Heynh. var. *leucantha* (Greene) B.L. Rob.
[BC: Moran 28804 (SD 105740)]
*This native annual occurs in disturbed areas of extreme nw BC in the vicinity of Tijuana & Ensenada.*  
Ecoregions: CSS, CSU, PI; Wider distrib.: Native to sw Europe, naturalized in CA, OR

**Spergularia macrotheca (Caryophyllaceae). Amer. J. Bot. 80(6): 858-867.**

**Spergularia macrotheca** (var. *leucantha*) B.L. Rob.
[BC: Moran 28804 (SD 105740)]
*This native annual is a fire-follower & occurs in extreme nw BC. Some recent treatments lump this into the non-native S. coniflora, but DNA & morphological evidence show that these species are quite different.*
Ecoregions: CSS, CHA; Wider distrib.: CA

**Spergularia macrotheca** S. Watson
[In Wiggins as Spergularia macrotheca var. platyota (S. Watson) Jeps.; syn = Silene verecunda subsp. platyota (S. Watson) C.L. Hitchc. & Maguire]  
Status in CFP: 3.
{BC: Moran 30553 (SD 111154)}
*This rare native annual is a fire-follower & occurs in extreme nw BC. Some recent treatments lump this into the non-native S. coniflora, but DNA & morphological evidence show that these species are quite different.*
Ecoregions: CSS, CHA; Wider distrib.: CA

**Spergularia bocconei** (Scheele) Graebn.
[In Wiggins as Spergularia bocconei (Scheele) Foucaud]
{BC: Moran 22930 (SD 95508)}
*This native species occurs at higher elevations in the SJ & SSPM.*
Ecoregions: CMH, CHA, CA, OR, UT

**Spergularia macrotheca** S. Watson
[In Wiggins as Spergularia macrotheca var. platyota (S. Watson) Jeps.; syn = Silene verecunda subsp. platyota (S. Watson) C.L. Hitchc. & Maguire]
Status in CFP: 2A.
{BC: Moran 28862 (SD 105608)}
*This native species occurs at higher elevations in the SJ & SSPM.*
Ecoregions: CMH, CHA, CA, OR, UT


**Spergularia macrotheca** (var. *leucantha*) B.L. Rob.
[BC: Moran 28804 (SD 105740)]
*This native annual is a fire-follower & occurs in extreme nw BC in the vicinity of Tijuana & Ensenada.*  
Ecoregions: CSS, CSU, PI; Wider distrib.: Native to sw Europe, naturalized in CA, OR

**Spergularia macrotheca** (Hormem. ex Cham. & Schldl.) Heynh. var. *macroteca* (Hormem. ex Cham. & Schldl.) Heynh.
{BC: Moran 26549 (SD 101699)}
*This variety is common at the immediate coast from Tijuana south to San Quintin.*
Ecoregions: CSS, CSU; Wider distrib.: w USA, sw Canada
**Spergularia makrothea** (Hornem. ex Cham. & Schltdl.) Heynh. var. talinum (Greene) Jeps. [syn = Tissa talinum Greene] BC endemic. Status in CFP: 1B, 5. {BC: Moran 6691 (SD 48177)} This BC endemic variety occurs only on Guadalupe Island. Ecoregions: PI (Guadalupe) GUADALUPE SAND-SPERRY

**Spergularia marina** (L.) Besser [syn = Spergularia salina J. Presl & C. Presl] {BC: Moran 27768 (SD 103309); BCS: Moran 20094 (SD 92623)} This species occurs in saline marshes and seeps from nw BC south to the northern MAG region and on Guadalupe Island. Ecoregions: CSS, CHA, CSU, PI (Guadalupe), CD, VD, MAG; Wider distr.: SON, widespread in North America, South America, Eurasia SALT MARSH SAND-SPERRY

**Spergularia platensis** (Cambess.) Fenzl var. platensis {BC: Moran 27614 (SD 102587)} This rare non-native occurs in vernal pool habitats in the vicinity of Colonet. Ecoregions: CSS, CHA, CSU, PI (Colonados); Wider distr.: Native to Argentina, naturalized in CA, TX LA PLATA SAND-SPERRY

**Spergularia villosa** (Pers.) Cambess. [syn = Tissa clevelandii Greene, Spergularia clevelandii (Greene) B.L. Rob.] {BC: Moran 26854 (SD 101775)} This non-native occurs in nw BC from Tijuana south to the vicinity of Colonet and on Los Coronados Island. Ecoregions: CSS, CHA, CSU, PI (Colonados); Wider distr.: Native to South America, naturalized in CA, OR, OR VILLOUS/HAIRY SAND-SPERRY

**Stellaria cuspidata** Willd. ex Schult. subsp. cuspidata [In Wiggins as Stellaria nemorum L. misappl.] {BCS: Thomas 7847 (SD 50114)} This native species occurs in the SGUAD, SGIG, & SLL. Ecoregions: GIG, CPM; Wider distr.: n & c Mexico, NM, TX, South America MEXICAN CHICKWEED; PAMPLINA, HERBA DEL PAJARERO

**Stellaria media** (L.) Vill. {BC: Moran 22223 (SD 91710)} This non-native occurs in nw BC from Tijuana south to the vicinity of San Quintín and on Los Coronados Island. Ecoregions: CSS, CHA, CSU, PI (Colonados); Wider distr.: Native to sw Europe, naturalized in c Mexico, widespread in USA & Canada COMMON CHICKWEED; PAMPLINA, HERBA DEL PAJARERO

**Stellaria nitens** Nutt. Status in CFP: 2B. {BC: Moran 26808 (SD 101921)} This rare native occurs mostly in nw BC and on Guadalupe Island. Ecoregions: CSS, CHA, CSU, PI (Guadalupe); Wider distr.: w USA, sw Canada SHINING CHICKWEED

**Stellaria pallida** (Dumort.) Crép. {BC: Rebmam 11829 (SD 160846)} This uncommon non-native occurs in extreme nw BC and on Los Coronados Island.
This native shrub prefers saline habitats and occurs along both coasts of the peninsula from San Felipe and Colonet south to La Paz, and on various adjacent islands. Ecoregions: CSS, CSU, PI (Cedros), LCD, CD, VD, GCD, MAG; Wider distrib.: SON, COA, SW USA

**IODINE BUSH; CHAMIZO VERDE, CHAMIZO DE AGUA**

**Aphanisma blitoides** Moq.
Status in CFP: 4; Listed: CNPS 1B.2.
{BC: Moran 6567 (SD 84639); BCS: Moran 19764 (SD 92341)}
This native species occurs from the vicinity of Colonet south to the vicinity of La Paz in BCS. This uncommon subspecies differs from subsp. barclayana in having thin, fine teeth.

Ecoregions: CSS, PI, CD, VD; Wider distrib.: SON, SIN, CA

**Arthrocnemum subterminalae** (Parish) Standley
[In Wiggins as Salicornia subterminalis Parish]
{BC: Moran 17455 (SD 74939); BCS: Moran 9204 (SD 66529)}
This native species prefers salt marshes and occurs commonly along both coasts of the peninsula and adjacent islands. Ecoregions: CSS, CSU, PI, LCD, CD, VD, GCD, MAG, CPL; Wider distrib.: SON, SIN, CA

**Atriplex barclayana** (Benth.) D. Dietr. subsp. barclayana
{BC: Cowan 2331 (SD 127052); BCS: Pérez Navarro 790 (SD 141198)}
This widespread and variable species occurs from near San Felipe in ne BC south to the Cape region in BCS. It also occurs on the Pacific islands of Guadaloupe, Cedros, San Benitos, Natividad, Magdalena & Santa Margarita, and on many Gulf islands. Although many infrataxa have been described for this highly variable species most seem to intergrade. More taxonomic research is needed on this whole complex.

Ecoregions: CSS, PI, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN

**Sonoran saltbush; galletilla, galleta, CHAMIZO CENIZO, Costilla de Vaca, Saladillo, CHAMIZO SALADO**

**Atriplex canescens** (Pursh) Nutt. subsp. canescens
[syn = Atriplex canescens var. occidentalis (Torr. & Frém.) Welsh & Stutz, Atriplex canescens var. canescens, Atriplex canescens var. occidentalis (Torr. & Frém.) Welsh & Stutz, Atriplex tetrapetala (Benth.) Rydb.]
{BC: Moran 13694 (SD 63604); BCS: Rebman 7757 (SD 159052)}
This uncommon native subspecies occurs from Ensenada & the n SJ in nw BC south to near Bahía de Magdalena in BCS.

Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, VD, MAG; Wider distrib.: SON, SIN, n Mexico, w USA

**Four-Wing saltbush, shadscale; CHAMIZO, CHAMIZO SALADO, CHAMIZO CENIZO, COSTILLA DE VACA, SALADILLO**

**Atriplex coulteri** (Moq.) D. Dietr.
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Oberbauer 144 (SD 127682); BCS: Moran 19800 (POM 323155)}
This rare native species occurs on San Benitos Islands in the Pacific and on the w VPEN in nw BCS.

Ecoregions: Pl (San Benitos), VD; Wider distrib.: CA

**COULTER SALTBUSH**

**Atriplex elegans** (Moq.) D. Dietr. subsp. elegans
{BC: R.E. Broder 607 (MEUX)}
This very rare native subspecies is only known from one historical specimen collected near Santa Catarina southeast of Ensenada in nw BC and is reported by Flores Olvera (1992).

Ecoregions: CHA; Wider distrib.: SON & w Mexico, AZ, CA, NM, TX

**WHEELSCALE**

**Atriplex frankenoides** Moran

BCS endemic.

{BC: Moran 25247 (SD 101230)}
This rare BCS endemic occurs mostly at Laguna San Ignacio with one disjunct population in the northern part of Bahía de Magdalena.
Ecoregions: VD, MAG
SAN IGNACIO SALT BUSH

**Atriplex hymenelytra** (Torr.) S. Watson
{BC: Moran 19577 (SD 92883)}
This uncommon native species occurs in low desert areas of ne BC from Mexicali south to Bahía de Los Angeles and on Angel de la Guarda Island in the Gulf.
Ecoregions: LCD, CD; Wider distrib.: sw USA
DESERT-HOLLY

**Atriplex julacea** S. Watson
{syn = Atriplex lentiformis subsp. breveri (S. Watson) H.M. Hall & Clem.}
{BC: Rebman 8267 (SD 138395); BCS: Beauchamp 1544 (SD 77651)}
This common species is endemic to our region and occurs along the Pacific coast from Ensenada south to near Bahía de Magdalena and on various Pacific islands including Todos Santos, San Martín, Cedros, & Natividad.
Ecoregions: CSS, CSU, PI, CD, VD, MAG
VIZCAYNO SALT BUSH; CHAMIZO

**Atriplex lentiformis** (Torr.) S. Watson
{syn = Atriplex lentiformis subsp. breveri (S. Watson) H.M. Hall & Clem.}
{BC: Rebman 2257 (HCIB 6249)}
This rare native species occurs in extreme ne BC in the vicinity of Mexicali.
Ecoregions: LCD; Wider distrib.: SON, sw USA
BIG SALT BUSH, QUALI BUSI, LENS SCALE; CHAMIZO GRANDE

**Atriplex leucophylla** (Moq.) D. Dietr.
{BC: Moran 29317 (SD 106268); BCS: Moran 18258 (SD 78996)}
This uncommon native species occurs along the Pacific coast from La Misión in nw BC south to the VPEN in nw BCS. It also occurs on the adjacent Pacific islands of San Martín, Cedros, & Natividad.
Ecoregions: CSS, CSU, PI, CD, VD; Wider distrib.: CA
SEASCALE, BEACH SALT BUSH, WHITE-LEAF ORACH

*Atriplex lindleyi* Moq.
{syn = Atriplex inflata F. Muell., Atriplex lindleyi subsp. inflata (F. Muell.) Paul G. Wilson}
{BC: Moran 24227 (SD 97891)}
This rare non-native species occurs along the immediate Pacific coast in nw BC from Ensenada south to San Quintín.
Ecoregions: CSS, CSU; Wider distrib.: Native to Australia, introduced in CA
LINDLEY SALT BUSH

**Atriplex linearis** S. Watson
{In Wiggins as Atriplex canescens (Pursh) Nutt. subsp. linearis (S. Watson) H.M. Hall & Clem.; syn = Atriplex canescens (Pursh) Nutt. var. linearis (S. Watson) Munz}
{BC: Moran 28941 (SD 105999); BCS: Turner 324 (SD 56602)}
This uncommon species has narrow leaves and slender stems and occurs from near San Felipe in ne BC south to the vicinity of La Paz in BCS.
Ecoregions: LCD, CD, VD, GCD, GIG, MAG; Wider distrib.: SON, AZ, CA
SLENDER-LEAF SALT BUSH, NARROW-LEAF SALT BUSH; CHAMIZO, CHAMIZO SALADO

**Atriplex mucronata** Raf.
{syn = Atriplex confinis Standl., Atriplex arenaria Griseb., Atriplex cristata Willd., Atriplex pentandra Standl.}
{BC: M. Domínguez L. 1093 (HCIB 14551)}
This very rare non-native species has only been documented once in our region near La Paz in BCS. The voucher for this species needs to be verified.
Ecoregions: GCD; Wider distrib.: se USA & TX, West Indies, South America
CRESTED SALT BUSH; QUELITE

**Atriplex muricata** Humb. & Bonpl. ex Willd.
{BC: M. Domínguez L. 1093 (HCIB 14551)}
This very rare non-native is only known in our region from one historical specimen collected along a cultivated field near La Paz and the specimen needs to be verified.
Ecoregions: GCD; Wider distrib.: Native to n & s Mexico, TX
MURICATE SALT BUSH

**Atriplex pacifica** A. Nelson
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 23133 (SD 95623); BCS: H.S. Gentry 7423 (RSA 423191)}
This uncommon native species occurs mostly along the Pacific coast from Tijuana south to Laguna San Ignacio and on various adjacent Pacific islands. It also occurs disjunctly to Bahía Concepción along the Gulf.
Ecoregions: CSS, CSU, PI, CD, VD, GCD; Wider distrib.: SON, CA
SOUTH COAST SALT BUSH, PACIFIC ORACH, SOUTH COAST SALT SCALE

**Atriplex polycarpa** (Torr.) S. Watson
{syn = Atriplex curvidens Brandegee}
{BC: Moran 24782 (SD 97945); BCS: Moran 23133 (SD 95623)}
This rather common native shrub occurs from near San Quintín and San Matías in n BC south to the vicinity of Bahía de Magdalena. It also occurs on a few islands in the central Gulf.
Ecoregions: CSS, CSU, PI, CD, VD, GCD; Wider distrib.: SON, SW USA
MANY FRUIT SALT BUSH, DESERT SALT BUSH, ALLSCALE SALT BUSH; CHAMIZO CENIZO

*Atriplex prostrata* DC.
{syn = Atriplex triangul articleis Willd.}
{BC: Moran 27249 (SD 102495)}
This rare non-native species occurs in ditches & wetlands in extreme nw BC between Tijuana and Ensenada.
Ecoregions: CSS; Wider distrib.: Native to Eurasia, introduced & widespread in USA & Canada
PROSTRATE SPEARS SCALE, THIN-LEAF ORACH, FAT-HEN
*Atriplex rosea* L.
{BC: Moran 16620 (SD 72984)}
This rare non-native species occurs in nw BC from Tecate south to San Quintín.
Ecoregions: CSS, CHA, CSU; Wider distrib.: Native to Eurasia, introduced & widespread in USA & Canada
**Tumbling Orach**

*Atriplex semibaccata* R. Br.
{BC: Moran 18537 (SD 80226); BCS: Mudie 976 (SD 93828)}
This non-native, invasive species occurs mostly in nw BC from Tijuana south to Ensenada and on various adjacent Pacific islands. It also occurs in disturbed, urban areas of BCS such as Malegé & La Paz.
Ecoregions: CSS, CHA, CSU, PI, GCD; Wider distrib.: Native to Australia, introduced in SON & scattered in Mexico, sw USA & TX
**Australian Saltbush, Creeping Saltbush, Berry Saltbush; Saladsillo, Cañihuyo**

*Atriplex serenana* Abrams var. davidsonii (Standl.) Munz
Listed: CNPS IB.2.
{BC: Rebman 25960 (SD 228832)}
This rare native variety occurs along the Pacific coast in the vicinity of El Rosario and on Los Coronados, San Martín, & Natividad islands. Some taxonomic literature suggests that this taxon is actually a hybrid between *A. serenana* and *A. pacifica*.
Ecoregions: CSS, PI; Wider distrib.: CA
**Davidson Bractscale**

*Atriplex serenana* Abrams var. serenana
Ecoregions: CSS, CSU, PI; Wider distrib.: CA
**Bractscale, Stinking Orach, Bracteate Orach**

*Atriplex suberecta* I. Verd.
{BC: Rebman 6241 (SD 148397); BCS: M. Domínguez L. 673 (SD 139920)}
This rare non-native species occurs mostly in nw BC from Colonet to El Rosario and on Los Coronados & Guadalupe islands in the Pacific. It also occurs along the western coast of the Cape region in s BCS.
Ecoregions: CSS, PI (Coronados, Guadalupe), CPL; Wider distrib.: Native to Australia, introduced in c Mexico, CA
**Perigerine Saltbush, Sprawling Saltbush**

*Atriplex watsonii* Abrams
Status in CFP: 2A.
{BC: Moran 19168 (SD 83057); BCS: A.C. Sanders 7543 (UCR 58415)}
This rare native variety occurs on the lower western foothills of the SSPM & near Colonet in nw BC.
Ecoregions: CSS, CSU; Wider distrib.: CA, NV
**Bractscale, Stinking Orach, Bracteate Orach**

*Bassia hyssopifolia* (Pall.) Kunze
[syn = Echinopsilon hyssopifolius (Pallas) Moq., Kochia hyssopifolia (Pall.) Schrad.]
{BC: Moran 19202 (SD 82978); BCS: Valov 2005071, 2 Apr 2005 (HCIB 21428)}
This non-native species occurs mostly in nw BC, but could get established in any disturbed, alkaline habitats in our region.
Ecoregions: CSS, CSU, GCD; Wider distrib.: Native to Eurasia, naturalized in SON, widespread in North America
**Five-Hook Bassia, Smother Weed; Chamizo Pulpo**

*Beta macrocarpa* Guss.
{BC: Moran 28832 (SD 105817)}
This very rare non-native species occurs in the vicinity of Tijuana in extreme nw BC.
Ecoregions: CSS; Wider distrib.: Native to Canary Islands, naturalized in Mediterranean areas
**Canary Island Beet, Wild Beet; Remolacha Silvestre**

*Beta vulgaris* L. subsp. vulgaris
{BC: Moran 19204 (SD 83003)}
This non-native species is commonly cultivated but rarely escapes. A naturalized population was documented in the vicinity of Descanso in nw BC.
Ecoregions: CSS, CD; Wider distrib.: Native to Europe, naturalized in e USA, South America, e Asia
**Beet, Sugar Beet, Swiss Chard; Acelga Silvestre**

*Beta vulgaris* L. subsp. maritima (L.) Arcang.
[syn = Beta maritima L.]
{BC: Moran 28179 (SD 104963)}
This non-native species occurs mostly in nw BC between Tijuana & Ensenada, and rarely in the CD.
Ecoregions: CSS, CD; Wider distrib.: Native to s Europe, naturalized in CA, NJ
**Sea Beet; Acelga Silvestre**


*Chenopodium album* L.
{BC: Moran 24973 (SD 98172)}
This rare non-native species occurs mostly in nw BC in urban & disturbed areas from Tijuana south to the vicinity of San Quintín.
Ecoregions: CSS, CSU; Wider distrib.: Native to Europe, naturalized in SON, SIN widespread in Mexico, USA, & Canada; a worldwide weed.
**Lamb’s Quarters, Pigweed; Chual Blanco, Chual Cenizo**

*Chenopodium arizonicum* Standl.
{BCS: R. Domínguez C. 1790 (SD 147057)}
This very rare native species occurs in the vicinity of La Paz in BCS. This species is closely related to *C. neomexicanum* & *C. palmeri* and can be difficult to separate from them. The vouchers for this taxon in our area need to be verified and may turn out to be *C. palmeri*.
Ecoregions: CSS, CSU, GCD; Wider distrib.: Native to Eurasia, naturalized in SON, widespread in North America
**Five-Hook Bassia, Smother Weed; Chamizo Pulpo**


*Chenopodium atrovirens* Rydb.
[syn = Chenopodium fremontii S. Watson var. atrovirens (Rydb.) Fosberg]
Status in CFP: 2B.
{BC: Moran 15314 (SD 67940)}
This very rare native species has only been documented once at Meling Ranch on the lower western side of the SSPM in nw BC. Ecoregions: CSS; Wider distrib.: n Mexico, w USA, w Canada

Pinyon Goosefoot

Chenopodium berlandieri Moq. var. sinuatum (Murr) Wahl
[In Wiggins as Chenopodium berlandieri (no vars.)]
Status in CFP: 2B.
{BC: Wiggins 3955 (SD 66021); BCS: T.S. Brandegee s.n., 24 Apr 1897 (UC 116457)}
This very rare variety occurs mostly in nw BC from Tijuana south to Santo Tomás. It also occurs rarely near San José del Cabo in s BCS.
Ecoregions: CSS, CMT, CPL; Wider distrib.: SON, widespread in Mexico, sw USA & OR
Pinion Goosefoot; Quelite Cenizo

Chenopodium berlandieri Moq. var. zschackei (Murr) Graebn.
[In Wiggins as Chenopodium berlandieri (no vars.)]
{BC: Rebman 27038 (SD 235488)}
This very rare native variety occurs in the vicinity of Tijuana & in the SSPM of nw BC.
Ecoregions: CSS; Wider distrib.: Widespread in Mexico, USA & Canada, Central America
Zschackei Pinion Goosefoot; Quelite Cenizo

Chenopodium californicum (S. Watson) S. Watson
[syn = Blitum californicum S. Watson]
{BC: Moran 6553 (SD 49337)}
This uncommon native species occurs in nw BC from Tijuana south to San Vicente and in the western foothills of the SSPM. It also occurs on Los Coronados & Todos Santos islands in the Pacific.
Ecoregions: CSS, CHA, PI (Coronados, Todos Santos); Wider distrib.: CA
California Goosefoot, Soap Plant

*Chenopodium chenopodioides* (L.) Aellen
[syn = Oxybasis chenopodioides (L.) S. Fuentes, Uotila, & Borsch]
{BC: Moran 29895 (SD 110165)}
This very rare non-native occurs at Laguna Hanson in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: Native to South America, introduced in w USA
Prostrate Goosefoot

Chenopodium flabellifolium Standl.
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 18449 (SD 77939)}
This very rare BC endemic occurs only in the Pacific on San Martin Island.
Ecoregions: PI (San Martin)
San Martin Goosefoot

Chenopodium fremontii S. Watson
Status in CFP: 3.
{BC: Moran 9940 (SD 60065); BCS: Rebman 9664 (SD 153963)}
This uncommon native species occurs mostly in nw BC in the SJ & SSPM. It also occurs in the SBOR of s BC and along the Gulf near Mision Dolores & in the SLL of BCS.
Ecoregions: CHA, CMT, CD, GCD, CPM; Wider distrib.: SON, n & c Mexico, w USA & w Canada
Fremont Goosefoot

*Chenopodium giganteum* D. Don
{BC: Moran 24975 (SD 98168)}
This very rare non-native has been documented from the urban areas of Tijuana in extreme nw BC, but the specimens need to be verified that they are correctly identified.
Ecoregions: CSS; Wider distrib.: Native to India & Nepal, introduced in c & s Mexico; cultivated for greens and rarely naturalizes Purple Goosefoot, Giant Lamb’s Quarters; Quelite Gigante

Chenopodium glaucum L. var. salinarum (Standl.) B. Boivin
[syn = Oxybasis glauca (L.) S. Fuentes, Uotila, & Borsch]
{BC: Casillas 85 (SD 192829)}
This very rare native taxon occurs in the vicinity of Ensenada in nw BC.
Ecoregions: CSS; Wider distrib.: w USA & Canada
Oak-Leaf Goosefoot

Chenopodium incanum (S. Watson) A. Heller
{syn = Chenopodium incanum var. occidentale D.J. Crawford, Chenopodium incanum var. elatum D.J. Crawford}
Status in CFP: 2B.
{BC: Moran 11164 (SD 54707)}
This very rare native species occurs in the s SSPM of nw BC.
Ecoregions: CHA
Mealy Goosefoot

Chenopodium leptophyllum (Moq.) S. Watson
{In Wiggins as Chenopodium inamoenum Standl.; syn = Chenopodium album L. var. leptophyllum Moq.}
Status in CFP: 2B.
{BC: Moran 14305 (SD 79751)}
This very rare native species occurs in the SSPM of nw BC. This species is very closely related to *C. pratericola* and sometimes difficult to distinguish from it.
Ecoregions: CMT; Wider distrib.: SON, w USA, w Canada
Narrow-Leaf Goosefoot

*Chenopodium macrospermum* Hook. f.
[syn = Oxybasis macrosperma (Hook. f.) S. Fuentes, Uotila, & Borsch, Chenopodium macrospermum var. halophilum (Philippi) Standl., Chenopodium farinosum (S. Watson) Standl., Chenopodium macrospermum var. farinosum (S. Watson) J.T. Howell]
{BC: Rebman 27041 (SD 234558)}
This very rare non-native species occurs in urban & disturbed areas of nw BC in Tijuana and near San Quintín.
Ecoregions: CSS, CSU; Wider distrib.: Native to South America, introduced in c Mexico, w USA, w Canada
Large-Seed Goosefoot

*Chenopodium missouriense* Aellen
[syn = Chenopodium album L. var. missouriense (Aellen) Bassett & Crompton]
{BC: Rebman 27044 (SD 234559)}
This very rare non-native species occurs in urban & disturbed areas of Tijuana in extreme nw BC.
Ecoregions: CSS; Wider distrib.: Native to c & e USA, introduced in AK, CA, NV
Missouri Lamb’s Quarters

*Chenopodium murale L.
[syn = Chenopodiastrum murale (L.) S. Fuentes, Uotila, & Borsch]
{BC: Moran 15387 (SD 68429); BCS: León de la Luz 8009 (SD 188573)}
This very rare non-native has been documented from the urban areas of Tijuana in extreme nw BC, but the specimens need to be verified that they are correctly identified.
Ecoregions: CSS; Wider distrib.: Native to India & Nepal, introduced in c & s Mexico; cultivated for greens and rarely naturalizes Purple Goosefoot, Giant Lamb’s Quarters; Quelite Gigante
This common non-native species occurs throughout most of the pen-
insula and on many adjacent Pacific & Gulf islands.
Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, VD, GCD, GIG, 
MAG, CPL; Wider distrib.: Native to Eurasia, introduced in SON, 
SIN, widespread in Mexico, USA, & Canada; a worldwide weed

Chenopodium neomexicanum Standl.

This very rare native species occurs in the SLIB of s BC. According
to N. Benet-Pierce, the specimens from our region may likely repre-
sent an undescribed taxon.
Ecoregions: CD; Wider distrib.: SON, AZ, NM, TX
N E W  M E X I C O  G O O S E F O O T ;  Q U E L I T E  C H U A L

Chenopodium palmeri Standl.
[syn = Chenopodium neomexicanum Standl. var. palmeri (Standl.)
T.W. Walters]
Ecoregions: CD, GIG; Wider distrib.: SON, CHH
P A L M E R  G O O S E F O O T

Chenopodium pratericola Rydb.
[syn = Chenopodium desiccatum A. Nelson var. leptophylloides
(Murr) Wahl]
Status in CFP: 2B.
Ecoregions: CSS, CHA, CMT; Wider distrib.: Native to Eurasia, 
introduced & widespread in USA & Canada
D E S E R T  G O O S E F O O T

*Chenopodium rubrum* L. var. *rubrum*
[syn = Oxysbasis rubra (L.) S. Fuentes, Uotila, & Borsch]
Status in CFP: 3.
Ecoregions: CSS, CHA, CMT; Wider distrib.: Native to Eurasia, 
introduced & widespread in USA & Canada

*Dysphania ambrosioides* (L.) Mosyakin & Clemants
[In Wiggins as Chenopodium ambrosioides L.]
Ecoregions: CSS, CHA, CSU, GCD, CPL, CPM; Wider distrib.: Native
to tropical America, naturalized in SON, SIN, widespread in
MEXICAN-TEA, WORMSEED; EPAZOTE

*Dysphania graveolens* (Willd.) Mosyakin & Clemants
[In Wiggins as Chenopodium incisum Poir. var. neomexicanum
Aellen; syn = Chenopodium graveolens Willdl., Chenopodium inc-
isum Poir.]
Status in CFP: 2B.

This native annual occurs at higher elevations in the SSM.
Ecoregions: CMT; Wider distrib.: Native to SON, n & c Mexico, 
AZ, CO, NM, TX, UT, Central America, naturalized in e USA
F E T I D  G O O S E F O O T;  E P A Z O T E  D E  Z O R R I L L O

Extripolex californica (Moq.) E.H. Zacharias
Zacharias, Elizabeth H. and Bruce G. Baldwin. 2010. A molecular
phylogeny of North American Atripliceae (Chenopodiaceae), with
implications for floral and photosynthetic pathway evolution. Syst.
[In Wiggins as Atriplex californica Moq.]
Ecoregions: CSS, CSU, PI; Wider distrib.: CA

*Kochia scoparia* (L.) Schrad. subsp. *scoparia*
[syn = Bassia scoparia (L.) A.J. Scott]
Ecoregions: CSS, LCD; Wider distrib.: Native to Eurasia, natu-
ralized in SON, widespread in North America, adventive nearly
worldwide
M E X I C A N  F I R E W E E D;  C O Q U I A

Krascheninnikovia lanata (Pursh) A. Meeuse & A. Smit
[In Wiggins as Eriocoma lanata (Pursh) Moq.; syn = Ceratoides lanata
var. ruinima Welsh, Ceratoides lanata var. subspinosa (Rydb.) J.T.
Howell, Eriocoma lanata var. subspinosa (Rydb.) Kearney & Peebles, 
Ceratoides lanata (Pursh) J.T. Howell]
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: SON, w USA, 
w Canada
N U T T A L L  P O V E R T Y  W E E D;  P A T A T A

Salicornia bigelovii Tott.
[syn = Salicornia mucronata Bigelow]
Status in CFP: 2B.
Ecoregions: CSS, LCD, VD, GCD, MAG; Wider distrib.: SON, widespread along Pacific & Caribbean coasts of
Mexico, w & e coastal USA
B IG E L O W  P I C K L E W E E D,  S A L T W O R T H

Salicornia depressa Standl.
[In Wiggins as Salicornia europea L. misappl.]
Status in CFP: 2B.
Ecoregions: CSS, LCD, GCD, MAG; Wider distrib.: SON, 
widespread along Pacific & Caribbean coasts of Mexico, w & e
coastal USA
B IG E L O W  P I C K L E W E E D,  S A L T W O R T H

Salicornia bigelovii Tott.
This salt marsh species is rather rare in our region and occurs in the San Quintín and Bahía de Magdalena areas. Ecoregions: CSU, MAG; Wider distrib.: w & e coastal USA, Canada

PICKLEWEED, GLASSWORT

Salicornia pacifica Standl.
[In Wiggins as Salicornia virginica L. misappl.; syn = Sarcocornia pacifica (Standl.) A.J. Scott, Salicornia perennis Mill. (= S. ambiguа Michx.) misappl.]

{BC: Moran 15253 (SD 68040); BCS: Mudie 785 (SD 93977)}

This salt marsh species is widespread along both coasts of the peninsula and on adjacent islands. Ecoregions: CSS, CSU, PI, CD, VD, GCD, MAG, CPL; Wider distrib.: SON, SIN, w & e coastal USA

PACIFIC PICKLEWEED

*Salsola australis* B. Br.

{BC: Rebmam 15963 (SD 191481)}

This non-native occurs mostly in nw BC and on adjacent Pacific islands. Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: Native to Australia, naturalized in sw North America, Africa

AUSTRALIAN PICKLEWEED

*Salsola tragus* L.

[In Wiggins as Salsola kali L. var. tenuifolia Tausch]

{BC: Moran 21152 (SD 84730); BCS: León de la Luz 4630 (HCIB 1058)}

This non-native occurs mostly in nw BC, but also sporadically throughout much of the peninsula, especially in disturbed areas. Ecoregions: CSS, CHA, CMT, CSU, LCD, VD, WAG; Wider distrib.: Native to Eurasia, naturalized in SON, widespread in n Mexico, USA, & Canada

RUSSIAN-THISTLE, PICKLEWEED; RUEDA MUNDO, CHAMIZO RODADOR, CHAMIZO VOLADOR, CARDO RUSO

Suáeda esteroides* Ferren & S.A. Whitmore

Status in CFP: 1B; Listed: CNPS 1B.2.

{BC: Neuenschwander 7 (SD 80990); BCS: Edward F. Anderson 3227 (RSA 273788)}

This native salt marsh species occurs mostly along the Pacific coast from the vicinity of San Quintín to Bahía de Magdalena. Ecoregions: CSU, VD, MAG; Wider distrib.: SON, CA

ESTUARY SEA-BLITE

Suáeda nigra* (Raf.) J.F. Macbr.

[In Wiggins as Suáeda torreyana S. Watson var. torreyana, Suáeda torreyana S. Watson var. ramosissima (Standl.) Munz, Suáeda fruticosa Forssk., ex J.F. Gmel. misappl.; syn = Suáeda moquinii (Torr.) Greene]

Status in CFP: 2B.

{BC: Moran 26263 (SD 105227); BCS: León de la Luz 9750 (SD 147054)}

This native halophyte is widespread on the peninsula and on adjacent islands, but is absent from most mountain habitats in our region. Ecoregions: CSS, CHA, CSU, PI, LCD, CD, VD, GCD, MAG, CPL; Wider distrib.: SON, SIN, n Mexico, w USA, Canada

SEA BLITE, BUSH SEEPWEED; QUELITE SALADO, SOSA, ROMERITO

Suáeda taxifolia* (Standl.) Standl.

[In Wiggins as Suáeda taxifolia subsp. brevifolia (Standl.) Abrams, Suáeda californica S. Watson misappl.; syn = Suáeda californica S. Watson var. taxifolia (Standl.) Munz, Suáeda californica var. pubescens Jeps.]

Status in CFP: 3; Listed: CNPS 4.2.

{BC: Moran 17454 (SD 74941); BCS: Moran 19855 (SD 92352)}

This coastal halophyte occurs commonly from Tijuana south to Bahía de Magdalena, on various Pacific islands and rarely in the Gulf region. Ecoregions: CSS, CSU, PI, CD, VD, GCD, MAG; Wider distrib.: CA

WOOLLY SEA BLITE

Cistaceae


Crocanthemum aldersoni* (Greene) Janch.

[In Wiggins as Helianthemum scoparium Nutt. var. aldersonii (Greene) Munz; syn = Helianthemum aldersonii Greene]

{BC: Moran 14943 (SD 72363)}

This native subshrub occurs in extreme nw BC. Ecoregions: CSS, CHA; Wider distrib.: CA

ALDERSON RUSH-ROSE

Crocanthemum glomeratum* (Lag.) Janch.

[In Wiggins as Helianthemum glomeratum (Lag.) Lag. ex Dunal]

{BCS: Moran 7429 (SD 49909)}

This species occurs in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, CHH, MOR, OAX, SLP

CLUSTERED FROSTWEED

Crocanthemum nutans* (Brandegee) Janch.

[In Wiggins as Helianthemum nutans Brandegee] BC endemic.

{BC: Moran 17029 (SD 77063)}

This BC endemic occurs mostly in the CD from Mesa San Carlos to the vicinity of Bahía de Los Ángeles. Ecoregions: CSU, CD

BAJA CALIFORNIA RUSH-ROSE

Crocanthemum scoparium* (Nutt.) Millsp. var. scoparium

{BC: Moran 28642 (SD 105302)}

This variety is rare in extreme nw BC. Ecoregions: CSS, CSU; Wider distrib.: CA

COAST BROOM RUSH-ROSE

Crocanthemum scoparium* (Nutt.) Millsp. var. vulgar* (Jeps.) Sorrie

[In Wiggins as Helianthemum scoparium Nutt. var. vulgar Jeps.]

{BC: Wiggins 11867 (SD 47420)}

This variety is rather common in extreme nw BC. Ecoregions: CSS, CHA, CSU; Wider distrib.: CA

PEAK RUSH-ROSE


Lechea tripetala* (Sesse & Moc. ex Dunal) Britton

{BCS: M. Domínguez L. 1764 (SD 140681)}

This species occurs in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, SIN, w, c, & s Mexico, Central America

MEXICAN PINWEEED
Cleomaceae


*Arivela viscosa* (L.) Raf.

This non-native annual is uncommon in BCS in the vicinity of Loreto and in the Cape region.

Ecoregions: GCD, CPL; Wider distrib.: Native to tropical Asia, naturalized in SON, SIN, s Mexico, West Indies, Central & South America

**Sonoran Spiderflower**


*Hemiscola aculeata* (L.) Raf.

This very rare non-native species is only known from one historical specimen collected in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Native to s Mexico, West Indies, Central & South America

**Tropical Spiderflower**

*Cleome guianensis* Aubl.

This native species occurs in the s SGIG and the Cape region of BCS.

Ecoregions: GIG, CPL; Wider distrib.: SON, c & s Mexico, West Indies, Central & South America

**Black-Seed Spiderflower**

*Cleome tenuis* S. Watson

This native annual occurs in BCS from the SGUAD south to the Cape region.

Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, NAY

**Sonoran Spiderflower**

*Gynandropsis gynandra* (L.) Briquet

This very rare non-native occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Native to Africa, naturalized in SON, SIN, widespread in s Mexico, se USA, pantropical weed

**African-Cabbage, Cat’s-Whiskers**

*Peritomaarborea* (Nutt.) H.H. Iltis var. *angustata* (Parish) H.H. Iltis

[In Wiggins as Isomeris arborea Nutt. var. angustata Parish]

\{BC: Moran 10617 (SD 54037); BCS: H.S. Gentry 7778 (SD 42849)\}

This variety occurs in nw BC along the Pacific coast south into the CD and VEN, and on Cedros Island.

Ecoregions: CSS, CMT, CSU, PI (Cedros), CD; Wider distrib.: SON, COL, AZ, CA

**Desert Bladderpod; Eotillo**

*Peritomaarborea* (Nutt.) H.H. Iltis var. *arborea*

[In Wiggins as Isomeris arborea Nutt. var. arborea; syn = Cleome isomeris Greene]

Status in CFP: 3.

\{BC: Rebman 4037 (SD 144390)\}

This variety occurs mostly in nw BC and rarely on adjacent Pacific islands and in the CD.

Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: SON as Cleome isomeris

**Pacific Bladderpod; Eotillo**

*Peritomaarborea* (Nutt.) H.H. Iltis var. *globosa* (Coville) H.H. Iltis

[In Wiggins as Cleome lutea Hook. var. jonesii J.F. Macbr.; syn = Cleome jonesii (J.F. Macbr.) Tidestr.]

Status in CFP: 2A.

\{BC: C.F. Harbison s.n., 5 Sep 1937 (SD 18618)\}

This rather rare species occurs in nw BC in the sw SJ.

Ecoregions: CHA; Wider distrib.: AZ, CA

**Jones Spiderflower, Jones Bee plant**

*Peritomaarborea* (Hook.) Raf.

[In Wiggins as Cleome lutea Hook.]

\{BC: Hinton 13 (SD 75216)\}

This very rare species is only known from one historical specimen in the western foothills of the SJ.

Ecoregions: CHA; Wider distrib.: CA

**Northern Bladderpod; Eotillo**

*Wislizenia refracta* Engelm. subsp. *palmeri* (A. Gray) S. Keller

[In Wiggins as Wisilzenia refracta var. palmeri (A. Gray) I.M. Johnst., Wisilzenia refracta var. mammillata (Rose ex Greene) I.M. Johnst.; syn = Wisilzenia palmeri A. Gray, Wisilzenia mammillata Rose ex Greene, Wisilzenia divaricata Greene, Wisilzenia pacalis Greene, Wisilzenia fruticosa Greene]

\{BC: Turner 112 (SD 56473); BCS: Moran 20096 (SD 92534)\}

This native subspecies occurs throughout much of our region from ne BC south to the vicinity of La Paz, Specimens from s BCS identified as subspecies refracta dominated with 3 leaflets are just variations of subsp. palmeri.
Coast morning-glory
Ecoregions: PI (Guadalupe); Wider distrib.: CA islands.
This insular subspecies occurs on Guadalupe Island.
Ecoregions: PI (Guadalupe); Wider distrib.: CA islands.

South Coast morning-glory
Ecoregions: PI (Coronados); Wider distrib.: CA.
This subspecies is very rare in our region and only known from one historical collection on Los Coronados Islands.
Ecoregions: PI (Coronados); Wider distrib.: CA.

Combrétaceae

Conocarpus erectus L.
[syn = Conocarpus erectus var. sericeus Fors ex DC.]
Listed: NOM A.
(BCS: Madie 973 (SD 93093))
This species occurs in salt water habitats and is rather rare in the Cape region and on Espíritu Santo Island.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in tropical Mexico, Central America, w Africa.

Buttonwood mangrove; Mangle Botoncillo

Laguncularia racemosa (L.) Gaertn.
[syn = Conocarpus racemosa L.]
Listed: NOM A.
(BCS: Dice 576 (SD 117583))
This mangrove species occurs from the vicinity of Laguna San Ignacio on the Pacific coast and Mulegé on the Gulf coast south to the Cape region.
Ecoregions: VS, GCD, MAG; Wider distrib.: SON, SIN, widespread in tropical Mexico, FL, Central & South America, West Indies.

White mangrove; Mangle Blanco, Mangle Chino

Convolvulaceae


Calystegia longipes (S. Watson) Brummitt
[syn = Convolvulus longipes S. Watson, Convulvulus linearilobus Eastw.]
Status in CFP: 2B.
(BC: Moran 25192 (SD 98637))
This native species is rather rare in our region and occurs in extreme n BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: AZ, CA, NV.

Paute morning-glory

Calystegia macrostegia (Greene) Brummitt subsp. intermedia (Abrams) Brummitt
[syn = Convolvulus aridus Greene subsp. longilobus Abrams, Convolvulus aridus Greene subsp. intermedium Abrams, Calystegia macrostegia subsp. longiloba (Abrams) Brummitt]
Status in CFP: 2A.
(BC: Moran 22821 (SD 96749))
This subspecies occurs in extreme nw BC and on a few Pacific islands.
Ecoregions: PI (Guadalupe); Wider distrib.: CA.

South Coast morning-glory
Ecoregions: PI (Guadalupe); Wider distrib.: CA.

Calystegia macrostegia (Greene) Brummitt subsp. macrostegia (Greene) Brummitt
[In Wiggins as Convolvulus macrostegius Greene]
Status in CFP: 2A.
(BC: Moran 17349 (SD 74852))
This insular subspecies occurs on Guadalupe Island.
Ecoregions: PI (Guadalupe); Wider distrib.: CA islands.

Island morning-glory

Calystegia macrostegia (Greene) Brummitt subsp. tenuifolia (Abrams) Brummitt
[In Wiggins as Convolvulus aridus Greene subsp. tenuifolius Abrams]
(BC: Moran 21860 (SD 91174))
This is the most common subspecies in our region and it occurs in nw BC.
Ecoregions: CSS, CHA, CU; Wider distrib.: CA.

San Diego morning-glory

Calystegia sepium (L.) R. Br. subsp. limnophila (Greene) Brummitt
Status in CFP: 2B.
(BC: Moran 29442 (SD 106446))
This rare species occurs just north of San Quintín and is only known from one historical collection in our region.
Ecoregions: CU; Wider distrib.: CA, NV, s & se USA.

Hedge false-bindweed

*Convolvulus arvensis* L.
(BC: Moran 17836 (SD 75188); BCS: León de la Luz 3925 (RSA 594254))
This non-native occurs mostly in nw BC, but also in disturbed habitats, especially agricultural areas, sporadically throughout the peninsula.
Ecoregions: CSS, CMT, CU, LCD, MAG, CPL; Wider distrib.: Native to Europe, naturalized in SON, SIN, widespread in Mexico, USA, Canada.

Bendweed, Orichard morning-glory, Quebraplato, Enredadera Perenne, Correhuela Perenne, Gloria de la Mañana Perenne

Convulvulus simulans L.M. Perry
Status in CFP: 2A; Listed: CNPS 4.2.
(BC: Moran 19382 (SD 84383))
This uncommon native species prefers vernal pool habitats and occurs in nw BC.
Ecoregions: CU; Wider distrib.: CA.

Small-flower bendweed

Cressa truxillensis Kunth
[syn = Cressa insularis House, Cressa truxillensis var. minima (A. Heller) Munz, Cressa truxillensis var. vallicola (A. Heller) Munz, Cressa depressa Goodding]
(BC: Moran 17194 (SD 76954); BCS: Moran 21183 (SD 86949))
This species is widespread and common in alkaline areas throughout the peninsula and on adjacent Gulf islands.
Cuscuta americana L.  
{BC: Rebman 27471 (SD 235502)}
This species parasitizes Senegalia greggii and is rare in our region and only known from one historical specimen in the vicinity of Mulegé and a recent specimen in the Sierra Cacachilas of the Cape region of BCS.  
Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, sw USA & OR, South America

Cuscuta boldinghii Urb.  
{BC: M.E. Jones 24368 (POM 191284)}
This species is rare in our region and only known from one historical specimen in the vicinity of Mulegé and a recent specimen in the Sierra Cacachilas of the Cape region of BCS.  
Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, MIC, FL, West Indies

Cuscuta californica Hook. & Arn. var. californica  
{BC: Moran 16387 (SD 75425); BC: M. Domínguez L. 526 (HCIB 4757)}
This species commonly parasitizes Eriogonum fasciculatum and occurs mostly in nw BC and adjacent islands. Specimens from BCS need to be verified.  
Ecoregions: CSS, CHA, CSU, PI, GIG; Wider distrib.: w USA

Cuscuta campestris Yunck.  
{syn = Cuscuta pentagona Engelmann}  
{BC: (SD 175086)}
This species is rare in our area and only known from one historical collection in the vicinity of Ensenada.  
Ecoregions: CSS; Wider distrib.: SON, n & c Mexico, widespread in USA, Canada, South America, Europe, Asia, Africa, Australia

Cuscuta corymbosa Ruiz & Pav. var. grandiflora Engel.  
{In Wiggins as Cuscuta corymbosa (no vars.); syn = Cuscuta patens Bentham.}

Cuscuta corymbosa Ruiz & Pav. var. stylosa (Choisy) Engel.  
{BC: Moran 10288 (SD 54180)}
This species is known to occur on Ángel de la Guarda Island & at least one other Gulf island & probably elsewhere in our region, but specimens need to be verified to be sure of its range.  
Ecoregions: GC, GCD, Wider distrib.: c & s Mexico

Cuscuta desmouliniana Yunck.  
{syn = Cuscuta umbellata Choisy var. dubia Yunck.}  
{BC: P. Fritsch 1337 (UCR 86493); BC: León de la Luz 10735 (SD 203803)}
This species commonly parasitizes Euphorbia species and occurs mostly along the Gulf coast from the vicinity of Bahía de Los Ángeles to the Cape region.  
Ecoregions: GCD, GIG, CPL; Wider distrib.: SON

Cuscuta erosa Yunck.  
{BC: Rebman 4275 (SD 142449)}
This species occurs in BCS in the SGUAD & a few places along the southern Gulf coast.  
Ecoregions: GCD, GIG; Wider distrib.: SON, SIN, AZ

Cuscuta legitima Costea & Stefanovic  
{In Wiggins as Cuscuta umbellata Kunth var. reflexa (J.M. Coult.) Yunck.; syn = Cuscuta californica Hook & Arn. var. reflexa J.M. Coult.}  
{BC: M. Domínguez L. 3084; BC: M. Domínguez L. 3472}  
{syn = Cuscuta umbellata Choisy var. dubia Yunck.}  
{BC: Moran 17420 (SD 74797); BC: León de la Luz 8368 (SD 141193)}
This variety is known to occur on Guadalupe Island & probably elsewhere in our region, but specimens need to be verified to be sure of its range.  
Ecoregions: PI (Guadalupe), CD, GCD, GIG, CPL, CPM; Wider distrib.: SON, c Mexico, Central America

Cuscuta macrocephala W. Schaffn. ex Yunck.  
{BC: Rebman 5743 (SD 143127)}
This species occurs mostly in the Cape region, but also in the SGUAD & on some Gulf islands.  
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, NAY, TAM

Cuscuta occidentalis Millsp.  
{syn = Cuscuta californica Hook. & Arn. var. breviflora Engel.}
This very rare native species occurs on the San Benitos islands in the Pacific where it parasitizes various herbs such as Perityle emoryi. Ecoregions: PI (San Benitos); Wider distrib.: w USA Western Dodder

**Cuscuta odontolepis** Engelm.  
{BCS: Massey 53 (SD 176893)}  
This species occurs mostly in the s SGIG but ranges from Laguna San Ignacio to the Cape region. Ecoregions: VI (San Quintín); VI (San Benitos)  
{BCS: T.S. Brandegee s.n., 16 Sep 1893}  
{BCS: Rebman 3551 (SD 139298)}  
This species commonly parasitizes Boerhavia & Amaranthus and occurs from Bahía de Los Angeles to La Paz mostly along the Gulf coast. Ecoregions: VD, GCD, GIG; Wider distrib.: SON, AZ, NM Desert Dodder; Fideo

**Cuscuta umbellata** Kunth var. umbellata  
{BC: Moran 24956 (SD 127269)}  
This species is relatively rare in BC and occurs in the s SJ and in the vicinity of San Matías. Ecoregions: CHA; Wider distrib.: SON, widespread in Mexico, s & c USA, Central & South America, West Indies Flat-Globe Dodder; Fideo

**Cuscuta vandevenderi** Costea & Stefanović  
[In Wiggins as Cuscuta gracillima Engelm. var. esquamata Yunck.]  
{BCS: T.S. Brandegee s.n., 16 Sep 1893 (UC 124536)}  
This species is very rare in our area and only known from one historical collection in the vicinity of El Tuste in the Cape region. Ecoregions: CPM; Wider distrib.: SON Van Devender Dodder

**Cuscuta veatchii** Brandegee  
BC endemic.  
{BC: Rezman 3189 (SD 139298)}  
This BC endemic species parasitizes mostly Pachycormus discolor and is distributed from the vicinity of Cataviña south to the SBOR. A historical specimen indicates that it was collected in San Diego County, CA but this locality is in question since there are no specimens of this species or of *Pachycormus discolor* from close to the USA/Mexico border. Ecoregions: CD Elephant Tree Dodder

**Dichondra occidentalis** House  
Status in CFP: 4; Listed: CNPS 4.2.  
{BC: Moran 22469 (SD 91084)}  
This species occurs along the immediate Pacific coast in extreme nw BC from Tijuana to Colonet and on a few adjacent islands. Ecoregions: CPM; Status in CFP: Wider distrib.: CA Western Dichondra, Western Ponyfoot

**Dichondra sericea** Sw.  
{BCS: Moran 7404 (SD 49948)}  
This species occurs in the SLL of BC. Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ, Central & South America, West Indies Silver-Leaf Ponyfoot; Oreja de Ratón Verde

**Evolvulus alsinoides** (L.) Torr.  

[In Wiggins as Evolvulus alsinoides L. var. acapulcensis (Willd.) Ooststr.; syn = Evolvulus linifolius (L.) misappl.]

(BC: Moran 24799 (SD 98220); BCS: León de la Luz 2233 (SD 139918))

This species occurs throughout BCS, but also occurs in the vicinity of San Matías & SBOR in BC.

Ecoregions: CHA, LCD, CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, GA, NM, TX, Central & South America, widespread in Old World

Mouse Ears, slender dwarf morning-glory; oreja de ratón

_Evolvulus filipes_ Mart.

{BCS: D.F. Howe, s.n., 27 Sep 1967 (SD 80717)}

This very rare native species has only been documented once in our region in the vicinity of San José del Cabo in the Cape region of BCS. This species is weakly differentiated from _E. alsinoides_ based on fewer stem hairs, narrower leaves, & almost glabrous sepals.

Ecoregions: CPL; Wider distrib.: SON, SIN, COA, DUR, MIC, VER, Central & South America

Narrow-leaf mouse ears, Maryland dwarf morning-glory; oreja de ratón

_Evolvulus sericeus_ Sw.

{In Wiggins as _Evolvulus sericeus_ var. discolor (Benth.) A. Gray; syn = _Evolvulus wilcoxianus_ House}

Status in CFP: 4.

{BC: Moran 18094 (SD 76566)}

This species is rare in our region and occurs in the s SJ of n BC.

Ecoregions: CMT; Wider distr.: SON, SIN, COA, DUR, MIC, VER, Central & South America, West Indies

Silver dwarf morning-glory


*Ipomoea alba* L.

{BCS: A. Carter 5538 (SD 200262); BCS: A. Carter 5347 (SD 131854)}

This very rare native species occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central & South America

Heart-leaf morning-glory

*Ipomoea costellata* Torr.

{BC: Rebman 18653 (SD 200262); BCS: A. Carter 5347 (SD 131854)}

This uncommon native species occurs from the SLIB in s BC south to the Cape region.

Ecoregions: CD, GIG, MAG, CPL; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, TX

Crest-rib morning-glory; trompillo

*Ipomoea cristulata* Hallier f.

{In Wiggins as Quamoclit coccinea (L.) Moench var. coccinea misappl.; syn = Quamoclit gracilis Hallier f.}

{BC: Moran 9943 (SD 60110); BCS: A. Carter 5538 (SD 131853)}

This uncommon native vine occurs on sky islands throughout much of the peninsula from the s SJ south to the Cape region where it is more common at lower elevations.

Ecoregions: CHA, CD, GIG, CPL, GCD, GIG; Wider distr.: SON, S & c Mexico, AZ, NM, TX

Scarlet morning-glory, trans-Pecos morning-glory, star morning-glory; manto, trompillo

*Ipomoea edulis* (L.) Lam.

{BC: Batatas edulis (Thunb.) Choisy}

{BCS: A.C. Sanders 7498 (RSA 510361)}

This rare non-native species is commonly planted in BCS and rarely naturalizes in disturbed coastal areas in the vicinity of Santa Rosalía.

Ecoregions: GCD; Wider distr.: Native to tropical Americas, Central & South America, naturalized in SON & rarely in other parts of Mexico from cultivation

Sweet-potato

_Ipomoea bracteata_ Cav.

{In Wiggins as Exogonium bracteatum (Cav.) Choisy}

{BCS: Moran 7366 (SD 50110)}

This uncommon native species occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico

Jicama morning-glory; jicama

*Ipomoea capillacea* (Kunth) G. Don

[syn = _Ipomoea muricata_ Cav.]

{BCS: T.S. Brandegee s.n. 12 Sep 1893 (POM 70926)}

This very rare native species occurs in the sLL of BCS.

Ecoregions: CPL, CPM; Wider distr.: SON, SIN, n & c Mexico, AZ, NM, TX, Central & South America

Purple morning-glory

*Ipomoea cardiophylla* A. Gray

{syn = _Ipomoea aristolochiifolia_ auct. non G. Don}

{BCS: M.E. Jones 27377 (POM 190750)}

This native species is doubtfully included here as a native based on a historical specimen from Triunfo that needs to be verified.

Ecoregions: CPL; Wider distr.: SON, widespread in Mexico, AZ, NM

Heart-leaf morning-glory

*Ipomoea costellata* Torr.

{BC: Rebman 18653 (SD 200262); BCS: A. Carter 5347 (SD 131854)}

This uncommon native species occurs from the SLIB in s BC south to the Cape region.

Ecoregions: CD, GIG, MAG, CPL; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, TX

Crest-rib morning-glory; trompillo

*Ipomoea cristulata* Hallier f.

{In Wiggins as Quamoclit coccinea (L.) Moench var. coccinea misappl.; syn = Quamoclit gracilis Hallier f.}

{BC: Moran 9943 (SD 60110); BCS: A. Carter 5538 (SD 131853)}

This uncommon native vine occurs on sky islands throughout much of the peninsula from the s SJ south to the Cape region where it is more common at lower elevations.

Ecoregions: CHA, CD, GIG, CPL; Wider distr.: SON, S & c Mexico, AZ, NM, TX

Scarlet morning-glory, trans-Pecos morning-glory, star morning-glory; manto, trompillo

*Ipomoea barberi* A. Gray

{BCS: C.F. Harbison s.n., 18 Sep 1959 (SD 62527)}

This rare native species occurs mostly between San Antonio & Triunfo in the Cape region of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, OAX, AZ, NM, TX

Canyon morning-glory

*Ipomoea barbatisepala* A. Gray

{BC: C.F. Harbison s.n., 18 Sep 1959 (SD 62527)}

This rare native species occurs in the s SJ of n BC.

Ecoregions: CPL; Wider distr.: SON, SIN, n & c Mexico, AZ, NM

Heart-leaf morning-glory

*Ipomoea costellata* Torr.

{BC: Rebman 18653 (SD 200262); BCS: A. Carter 5347 (SD 131854)}

This uncommon native species occurs from the SLIB in s BC south to the Cape region.

Ecoregions: CD, GIG, MAG, CPL; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, TX

Crest-rib morning-glory; trompillo

*Ipomoea cristulata* Hallier f.

{In Wiggins as Quamoclit coccinea (L.) Moench var. coccinea misappl.; syn = Quamoclit gracilis Hallier f.}

{BC: Moran 9943 (SD 60110); BCS: A. Carter 5538 (SD 131853)}

This uncommon native vine occurs on sky islands throughout much of the peninsula from the s SJ south to the Cape region where it is more common at lower elevations.

Ecoregions: CHA, CD, GIG, CPL; Wider distr.: SON, S & c Mexico, AZ, NM, TX

Scarlet morning-glory, trans-Pecos morning-glory, star morning-glory; manto, trompillo

*Ipomoea hederaeae* Jacq.

[syn = _Ipomoea desertorum_ House, _Ipomoea hederacea_ var. integrifolia Gray, Pharbitis barbigera (Sweet) G. Don, Pharbitis hederacea (Jacq.) Choisy, _Ipomoea barbigera_ Sweet]

{BC: M. Salazar 5103 (SD 207416); BCS: M. Domínguez L. 2215 (SD 142147)}

This uncommon native species occurs from the SLIB of s BC south to the Cape region of BCS.
Ipomoea hederifolia L.

- In Wiggins as Quamoclit cocinea (L.) Moench var. hederifolia (L.) House; syn = Quamoclit hederifolia (L.) G. Don, Ipomoea cocinea L. var. hederifolia (L.) A. Gray
- (BCS: Moran 7057 (SD 93930))

This rare native species occurs in the Cape region of BCS.

Ecoregions: MAG, CPL; Wider distrib.: SON, SIN, coastal Mexico, FL, TX, West Indies, Central & South America

BEACH MORNING-Glory, FLOR DE ARENA, CAMPAHITA DE LA PLAYA

*Ipomoea indica* (Burn.) Merr.

- [syn = Ipomoea acuminata (Vahl) Roem. & Schult.]
- (BC: Rebman 27052 (SD 234560))

This rare non-native species is commonly planted and rarely naturalizes in nw BC in the vicinity of Tijuana.

Ecoregions: CSS; Wider distr.: Native to South America, naturalized in CA & se USA, South Africa, Australia & New Zealand; distributed throughout tropical regions worldwide

OCEAN-BLUE MORNING-Glory, TROMPILLO, MANTO AZUL DE LA MANANA

Ipomoea jicama Brandegee

BSC endemic.

- (BC: León de la Luz 8971 (SD 142146))

This BCS endemic occurs from the SSF in n BCS south to Bahía de Magdalena and on Magdalena & Santa Margarita islands.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, coastal Mexico, TX, West Indies, Central & South America

SOUTHERN MORNING-Glory, JICAMA

Ipomoea meyeri (Sprng.) G. Don

- In Wiggins as Ipomoea iodantha (Brandegee) Brandegee
- (BC: T.S. Brandegee s.n., 31 Nov 1902 (UC 105204))

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distr.: SON, SIN, c & s Mexico, West Indies, Central & South America

MEYER MORNING-Glory, MANTO

Ipomoea minutiflora (M. Martens & Galeotti) House

- (BC: León 4763 (SD 130799))

This rare native species occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, Central & South America

SMALL-FLOWER MORNING-Glory

Ipomoea muricata (L.) Jacq.

- In Wiggins as Calonyction muricatum (L.) G. Don; syn = Ipomoea spinulosa Brandegee, Ipomoea turbinata Lag.
- (BCS: F. Gander 9777 (SD 294699))

This rare native species occurs in the Cape region of BCS.
Ecoregions: CPM
EL TASTE MORNING-GLORY; HIERBA DE LA HORMIGA, DAMA DE NOCHE

Ipomoea ternifolia Cav. var. leptotoma (Torr.) J.A. McDonald
[In Wiggins as Ipomoea leptotoma Torr.; syn = Ipomoea leptotoma var. wootonii E.H. Kelso, Ipomoea divergens House]
{BCS: D.F. Howe 4440 (SD 80708)}
This uncommon native taxon occurs in BCS throughout the SGIG region and at lower elevations on both its eastern & western slopes.
Ecoregions: VD, GIG, MAG; Wider distrib.: SON, SIN, CHH, AZ. TRIPLE-LEAF MORNING-GLORY; MANTO

*Ipomoea triloba L.
{BCS: D.F. Howe 4442 (SD 80763)}
This uncommon species is likely non-native to our region as it is commonly planted and easily naturalizes in BCS from the vicinity of La Purísima south to the Cape region. However, it is possible that some populations from the Cape region are native in origin.
Ecoregions: GCD, MAG, CPL, CPM; Wider distrib.: Native to tropical America, SON, SIN, widespread in Mexico, naturalized in CA, FL, HI, Old World, Little Bell Morning Glory

Jacquemontia abutiloides Benth.
[In Wiggins as Jacquemontia abutiloides var. abutiloides]
{BC: Moran 11574 (SD 59717); BCS: Rehman 7675 (SD 157958)}
This species is a near-endemic to our region and occurs from extreme se BC south to the Cape region. It also occurs on Magdalena & Santa Margarita islands in the Pacific and a few southern Gulf islands.
Ecoregions: VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, West Indies, Central & South America.

Jacquemontia agrestis (Choisy) Meisn.
[In Wiggins as Jacquemontia palmeri S. Watson; syn = Jacquemontia pauciflora Brandegee, Jacquemontia palmeri S. Watson var. varians Brandegee]
{BCS: A. Carter 5535 (SD 131886)}
This native annual occurs in BCS on the sky islands of the SSPM. It differs from J. abutiloides in having stellate trichomes with 4-7 rays, shorter peduncles, and fewer flowers per cluster.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, West Indies, Central & South America. MIDNIGHT-BLUE CLOVER

Jacquemontia eastwoodiana I.M. Johnst.
[In Wiggins as Jacquemontia abutiloides Benth. var. eastwoodiana (I.M. Johnst.) Wiggins]
BCS endemic.
{BC: Moran 9557 (SD 66116)}
This BCS endemic occurs along the Gulf coast from Santa Rosalita to the vicinity of La Paz and on various adjacent Gulf islands. It differs from J. abutiloides in having stellate trichomes with 4-7 rays, shorter peduncles, and fewer flowers per cluster.
Ecoregions: GCD, GIG, CPL, EASTWOOD CLOVER, GULF CLOVER

Jacquemontia oaxacana (Meisn.) Hallier f.
[syn = Jacquemontia parviflora Choisy var. oaxacana Meisn.]
{BCS: M. Domínguez L. 831 (HCIB 4848)}
This rare native species occurs at higher elevations in the SLL of BCS and specimens from our region need to be verified.
Ecoregions: CPL; Wider distrib.: SIN, w Mexico. OAXACA CLOVER
Ecoregions: CSS, CHA, CMT, CSU, PI; CD, VD, GCD; Wider distrib.: SON, w USA, w Canada, Central & South America

**Smooth-Seed Pygmyweed, Pygmy Stonecrop**

Crassula solieri (Gay) F. Meigen
[syn = Tillaea solieri Gay]
Status in CFP: 2B.
{BC: Moran 28342 (SD 105136)}
This vernal pool species is relatively rare in extreme nw BC and occurs between Tijuana & Ensenada.
Ecoregions: CSS; Wider distrib.: w USA, MT, TX, WY, South America

Dudleya abbreviata Rose subsp. abbreviata
{In Wiggins as Dudleya abbreviata (no subspecies); syn = Dudleya tenuis Rose}
{BC: Moran 14962 (SD 72313)}
This uncommon native species occurs in the foothills and mountains of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA

**Abrams Liveforever**

Dudleya acuminata Rose
[syn = Dudleya brandegeei Rose]
LC endemic. Status in CFP: 1B, 9.
{BC: Moran 19639 (SD 92535); BCS: Hodgson 8230 (SD 138393)}
This native species is endemic to our region and occurs in extreme s BC and n BCS and on Cedros Island.
Ecoregions: PI (Cedros), CD, VD

**Cacatua Liveforever; SiempreViva**

Dudleya abramsii Rose subsp. abramsii
{BC: Moran 14962 (SD 72133)}
This uncommon native species occurs in the foothills and mountains of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA

Dudleya albiflora Rose
[syn = Dudleya moranii Johansen]
LC endemic. Status in CFP: 1B, 9.
{BC: Moran 29041 (SD 105561); BCS: Moran 15137 (SD 67843)}
This species is endemic to our region and occurs commonly in sw BC and n BCS. It also occurs on Cedros, Natividad, Magdalena, & Santa Margarita islands in the Pacific & on Espiritu Santo in the Gulf.
Ecoregions: PI (Cedros, Natividad), CD, VD, GCD, MAG

Dudleya albiflora × D. attenuata subsp. australis
BC endemic.
{BC: Moran 17104 (SD 77118)}
This very rare hybrid between D. albiflora & D. attenuata subsp. australis occurs in the region where these two taxa overlap in their distributions along the coast near Puerto San José in w BC.
Ecoregions: CD

Dudleya alboflora \times D. attenuata subsp. australis
BC endemic.
{BC: Moran 17104 (SD 77118)}
This very rare hybrid between D. albiflora subsp. australis & D. attenuata subsp. australis occurs only on Los Coronados islands off of nw BC.
Ecoregions: PI (Coronados)

Dudleya anomala (Davidson) Moran
[syn = Stylophyllum coronatum Fröd., Stylophyllum anomalum Davidson]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 16211 (SD 71927)}
This BC endemic species occurs mostly on Todos Santos & Los Coronados islands in the Pacific and on Punta Banda near Ensenada in nw BC.
Ecoregions: CSS, PI (Coronados, Todos Santos)

Dudleya anhona Rose
{BC: Moran 18452 (SD 77935)}
This rare BC endemic occurs in the vicinity of San Quintin in nw BC and on adjacent San Martín Island.
Ecoregions: CSS, PI (San Martín)

Dudleya anhona \times D. cultrata
BC endemic.
{BC: Moran 3058A (SD 207056)}
This very rare hybrid between D. anhona & D. cultrata occurs on San Martín Island where these two species overlap in their distributions.
Ecoregions: PI (San Martín)

Dudleya arizonica Rose
{In Wiggins as Dudleya pulverulenta (Nutt.) Britton & Rose subsp. arizonica (Rose) Moran; syn = Echeveria arizonica (Rose) Kearney & Peebles, Echeveria pulverulenta Nutt. subsp. arizonica (Rose) Clokey}
{BC: Moran 20853 (SD 88765)}
This native species occurs mostly in n BC, but also in c BC on sky islands as far south as the SASAM. It also occurs on Angel de la Guarda Island in the Gulf.
Ecoregions: CSS, CHA, CMT, LCD, CD; Wider distrib.: SON, sw USA

**Arizona Chalk Dudleya, Arizona Liveforever; SiempreViva**

Dudleya attenuata (S.Watson) Moran subsp. attenuata
{In Wiggins as Dudleya attenuata subsp. orcuttii (Rose) Moran; syn = Dudleya orcuttii (Rose) P.H. Thompson, Stylophyllum orcuttii Rose}
Status in CFP: 9.
{BC: Moran 16218 (SD 71938)}
This common coastal subspecies is a near-endemic to nw BC and occurs from Border Field State Park in southwestern San Diego County just north of the USA/Mexico border south to the vicinity of El Rosario in nw BC. It also occurs on the adjacent islands of Los Coronados & Todos Santos in the Pacific.
Ecoregions: CSS, CHA, CSU, PI; Wider distrib.: CA (sw San Diego County)

**Taper-Tip Liveforever; SiempreViva, mezcalito**

Dudleya attenuata subsp. attenuata \times D. candida
BC endemic.
{BC: Moran 21057 (SD 88018)}
This very rare hybrid between D. attenuata subsp. attenuata and D. candida occurs only on Los Coronados islands off of nw BC.
Ecoregions: PI (Coronados)

**San Martin Hybrid Liveforever; SiempreViva**

Dudleya attenuata subsp. attenuata \times D. edulis
BC endemic.
{BC: Moran 17104 (SD 77118)}
This very rare hybrid between D. attenuata subsp. attenuata and D. edulis occurs only on Los Coronados islands off of nw BC.
Ecoregions: PI (Coronados)

Dudleya attenuata subsp. attenuata \times D. edulis
BC endemic.
This very rare hybrid between D. attenuata subsp. attenuata and D. edulis occurs in nw BC near Rancho Jatay in the vicinity of La Misión.

Ecoregions: CSS
LA MISION HYBRID LIVEFOREVER

**Dudleya attenuata** subsp. *attenuata × D. formosa*
BC endemic.
{BC: Moran 8260 (SD 207038)}
This very rare hybrid between D. attenuata subsp. attenuata and D. formosa occurs in nw BC near the mouth of Río Guadalupe just north of Ensenada.

Ecoregions: CSS
GUADALUPE VALLEY HYBRID LIVEFOREVER

**Dudleya attenuata** subsp. *attenuata × D. ingens*
BC endemic.
{BC: Moran 8443 (SD 130024)}
This very rare hybrid between D. attenuata subsp. attenuata and D. ingens occurs in nw BC near Colonet and near San Quintín.

Ecoregions: CSU
COLONET HYBRID LIVEFOREVER

**Dudleya attenuata** (S.Watson) Moran subsp. *australis*

{BC: Moran 17102 (SD 77114)}
This rare BC endemic occurs throughout the Maritime Succulent Scrub ecoregion from Colonet south to near El Rosario and is especially common in the Bahía San Quintín area.

Ecoregions: CSS
SOUTHERN TAPER-TIP LIVEFOREVER; SIEMPREVIVA

**Dudleya blochmaniae** (Eastw.) Moran subsp. *blochmaniae*
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: Moran 27616 (SD 102720)}
This rare species occurs on coastal mesas in nw BC between Tijuana & Ensenada and also near Colonel.

Ecoregions: CSS, CSU; Wider distrib.: CA
BLOCHMAN DUDLEYA

**Dudleya brevipes** Rose
BC endemic.
{BC: Moran 8169 (SD 119392)}
This very rare BC endemic species is only known from the vicinity of Calmálli in extreme s BC and its differences from D. acuminata need to be studied taxonomically.

Ecoregions: CD
CALMALLI LIVEFOREVER

**Dudleya brittonii** Johansen
{syn = Dudleya viridis P.H. Thomson illegit.}
{BC: Moran 16234 (SD 71926)}
This very rare BC endemic occurs in extreme nw BC from La Misión south to near Eréndira and on adjacent Todos Santos Island. The green “form” of this species should likely be recognized as a separate species but the description by P.H. Thomson apparently lacks a designated type and may be invalidly published.

Ecoregions: CSS, PI (Todos Santos)
BRITTON LIVEFOREVER; SIEMPREVIVA

**Dudleya campanulata** Moran
{BC: Moran 24315 (SD 98080)}
This very rare BC endemic species occurs on the south side of Punta Banda near Ensenada in nw BC.

Ecoregions: CSS
PUNTA BANDA LIVEFOREVER; SIEMPREVIVA

**Dudleya candida** Britton
{syn = Dudleya bryceae Britton}
{BC: Moran 6812 (SD 49347)}
This rare species is restricted to the Los Coronados islands in the Pacific just west of Tijuana.

Ecoregions: PI (Coronados)
CORONADOS LIVEFOREVER

**Dudleya crassifolia** Dodoro & M.G. Simpson

{BC: Dodero s.n. 3 June 1991 (SD 227928)}
This rare species was recently described and occurs only on the southern end of Colonet Mesa just southwest of Colonet in nw BC.

Ecoregions: CSS
THICK-LEAF DUDLEYA

**Dudleya cultrata** Rose
{syn = Cotyledon lineatus Orcutt}
{BC: Moran 18451 (SD 77936)}
This rare BC endemic occurs throughout the Maritime Succulent Scrub ecoregion from Colonet south to near El Rosario and is especially common in the Bahía San Quintín area.

Ecoregions: CSU
MARITIME SUCCULENT LIVEFOREVER

**Dudleya edulis** (Nutt.) Moran
{syn = Stylophyllum edule (Nutt.) Britton & Rose}
{BC: Moran 16178 (SD 73051)}
This uncommon species occurs in extreme nw BC along the Pacific coast and lower foothills from Tijuana south to San Vicente.

Ecoregions: CSS, CHA; Wider distrib.: CA
LADIES’ FINGERS, FINGERTIPS
Dudleya edulis x D. formosa  
BC endemic.  
{BC: Moran 6061 (SD 49678)}  
This very rare hybrid between D. edulis and D. formosa occurs in extreme nw BC on the south side of Guadalupe Valley northeast of Ensenada.  
Ecoregions: CSS  
GUADALUPE LA MISION HYBRID LIVEFOREVER

Dudleya formosa  
Moran  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 28841 (SD 105732)}  
This very rare BC endemic species occurs in the vicinity of La Misión just north of Ensenada in extreme nw BC.  
Ecoregions: CSS  
LA MISION LIVEFOREVER

Dudleya guadalupensis  
Moran  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 17428 (SD 74747)}  
This very rare BC endemic occurs only on Guadalupe Island and its adjacent islets in the Pacific.  
Ecoregions: PI (Guadalupe)  
GUADALUPE LIVEFOREVER; SIEMPREVIVA, DUDLEYA DE GUADALUPE

Dudleya ingens  
Rose  
{syn = Dudleya cedrosensis Moran nom. nud., Dudleya eximia Johansen, Dudleya tenuifolia P.H. Thomson}  
{BC: Moran 13235 (SD 62920)}  
This BC endemic species occurs mostly along the coast & lower foothills in nw BC from Santo Tomás south to Puerto San José in wc BC. It also occurs on Cedros Island.  
Ecoregions: CSS, CSU, PI (Cedros), CD  
ROCK LIVEFOREVER

Dudleya lanceolata  
(Nutt.) Britton & Rose  
Status in CFP: 2A.  
{BC: Moran 2115 (SD 45407)}  
This native species is rather rare in nw BC and occurs in the vicinity of Ensenada and on Los Coronados island in the Pacific.  
Ecoregions: CSS, PI (Coronados); Wider distrib.: CA  
LANCE-LEAF LIVEFOREVER

Dudleya linearis  
(Greene) Britton & Rose  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 10744 (SD 127381)}  
This very rare BC endemic occurs only on West San Benitos Island in the Pacific.  
Ecoregions: PI (San Benitos)  
SAN BENITOS LIVEFOREVER

Dudleya nubigena (Brandegee) Britton & Rose subsp. cerralvensis  
Moran  
Reference: see Rhus kearneyi: Moran 1969  
{syn = Dudleya cerralvensis (Moran) P.H. Thomson}  
BCS endemic.  
{BCS: Moran 9542 (SD 69748)}  
This very rare BCS endemic subspecies with clear yellow flowers and green to slightly glaucous leaves is only known from a couple of populations on Cerralvo Island off of se BCS.  
Ecoregions: CPL (Cerralvo Island)  
CERRALVO LIVEFOREVER; SIEMPREVIVA, MEZCALITO

Dudleya nubigena  
(Brandegee) Britton & Rose subsp. nubigena  
{syn = Dudleya xanti Rose, Cotyledon nubigena Brandegee}  
BCS endemic.  
{BCS: Moran 7135 (SD 50584)}  
This uncommon BCS endemic subspecies occurs mostly in the Cape region at lower elevations and in the SLL up to about 1500 m. It also occurs on Espiritu Santo Island and on Cerro Mechudo in the extreme s SGIG.  
Ecoregions: GIG, CPL, CPM  
CAPE LIVEFOREVER; SIEMPREVIVA, MEZCALITO

Dudleya pachyphytum  
Moran & M. Benedict  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 29036 (SD 142784)}  
This very rare BC endemic occurs only on the northern end of Cedros Island in the fog zone.  
Ecoregions: PI (Cedros)  
CEDROS LIVEFOREVER

Dudleya pauciflora  
Rose  
BC endemic. Status in CFP: 1B, 7.  
{BC: Moran 11298 (SD 54835)}  
This rare BC endemic occurs at high elevations in the SSPM of n BC and at higher elevations in the SBOR of s BC.  
Ecoregions: CMT, CD  
FEW-FLOWER LIVEFOREVER

Dudleya pulverulenta (Nutt.) Britton & Rose  
{In Wiggins as Dudleya pulverulenta subsp. pulverulenta; syn = Echeveria pulverulenta Nutt.}  
{BC: Moran 15259 (SD 68092)}  
This native species occurs from the vicinity of Tijuana in nw BC south to near Punta Prieta in sw BC.  
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA  
DUDLEYA, CHALK-LETTUCE, LIVE-FOREVER; SIEMPREVIVA

Dudleya rigidiflora  
Rose  
BCS endemic.  
{BCS: Moran 7446 (SD 122675)}  
This rare BCS endemic occurs at higher elevations in the SLL of Cape region and differs from D. nubigena by having long, pendent flowers that are likely hummingbird pollinated.  
Ecoregions: CPL  
LA LAGUNA LIVEFOREVER; SIEMPREVIVA, MEZCALITO

Dudleya rigidiflora Rose  
BC endemic.  
{BC: Moran 8194 (SD 129958)}  
This very rare BC endemic occurs only at the type locality of Bahía María (Playa María Bay) near San José de las Palomas in sw BC.
Variegated Dudleya (Brandegee) Britton & Rose
Ecoregions: CSS; Wider distrib.: CA
This rare species occurs in extreme nw BC between Tijuana and Ensenada. Moran 27116 (SD 102119)
Status in CFP: 1B; Listed: CNPS 1B.2.
[syn = Hasseanthus variegatus (S. Watson) Rose]

Davidson StoneCrop
Ecoregions: CMT; Wider distrib.: CA
This rare species occurs at high elevations in the SSPM.
Moran 15682 (SD 69061)
Status in CFP: 1B; Listed: CNPS 4.2.

alamoS StoneCrop
Ecoregions: GIG; Wider distrib.: SON, CHH
This rare species occurs in BCS in the SGUAD & the n SGIG.
BCS: Moran 18801 (SD 325401); BCS: M. Domínguez L. 3782
In Wiggins as Dudleya virens (no subspecies)

guadalupe green liVerForeVer
Ecoregions: PI (Guadalupe)
This very rare BC endemic subspecies occurs only on Guadalupe Island.
BCS: Moran 6123 (SD 47171)
Status in CFP: 1B; Listed: CNPS 1B.5.

Dudleya viridicata (Rose) Moran
{BC: Moran 6123 (SD 47171)}
This very rare BC endemic subspecies occurs only on Guadalupe Island.
Variegated Dudleya

Dudleya variegata (S. Watson) Moran
[syn = Hasseanthus variegatus (S. Watson) Rose]
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 27116 (SD 102119)}
This rare species occurs in extreme nw BC between Tijuana and Ensenada.
Ecoregions: CSS; Wider distrib.: CA

Catalina Crossosoma
Ecoregions: CSS, PI (Guadalupe) Island ragged rock Flower, Catalina Crossosoma

Crossosoma bigelovii Nutt.
{BC: Moran 21499 (SD 89060); BCS: M. Domínguez L. 3008 (SD 161944)}
This rare species occurs on Guadalupe Island in our region.
Ecoregions: PI (Guadalupe); Wider distr.: CA
Island Ragged Rock Flower, Catalina Crossosoma

Cucurbiteaceae

*Sedum niveum* Davidson
Status in CFP: 1B; Listed: CNPS 4.2.
{BC: Moran 15682 (SD 69061)}
This rare species occurs at high elevations in the SSPM.
Ecoregions: CMT; Wider distr.: CA

Dudleya xsemiteres (Rose) Moran
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 16237 (SD 71939)}
This rare interspecific hybrid occurs along the immediate Pacific coast just north of Ensenada in extreme nw BC and on South Coronado & South Todos Santos islands in the Pacific. It is likely a hybrid involving D. attenuata subsp. attenuata and either D. brittonii or D. candida.
Ecoregions: CSS, PI (Coronados, Todos Santos)

Crossosoma californicum Nutt.
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 15194 (SD 67857)}
This rare species occurs only on Guadalupe Island in our region.
Ecoregions: PI (Guadalupe); Wider distr.: CA
Island Ragged Rock Flower, Catalina Crossosoma

Cucurbiteaceae


Brandegea bigelovii (S. Watson) Cogn.
[syn = Echinocystis brandegeei Cogn.]
{BC: Moran 21499 (SD 89060); BCS: M. Domínguez L. 3008 (SD 161944)}
This desert vine occurs from ne BC south to the vicinity of Bahía de Magdalena.
Ecoregions: LCD, CD, VD, GCD, MAG; Wider distr.: SON, AZ, CA
Desert Starvine

*Cucumis melo* (Thunb.) Matsum. & Nakai
[In Wiggins as Citrullus vulgaris Schrader; syn = Citrullus colocynthis (L.) Schrader var. lanatus (Thunb.) Matsum. & Nakai]
{BC: Moran 25017 (SD 98119)}
This non-native species is commonly cultivated on the peninsula and has rarely naturalized in nw BC.
Ecoregions: CSS, CMT, CSU; Wider distr.: Native to s Africa, widely cultivated and naturalized in SON, & many parts of Mexico, much of USA
Citron, Watermelon, Sandía

*Citrus lanatus* (Thunb.) Matsum. & Nakai
[In Wiggins as Citrullus vulgaris Schrader; syn = Citrullus colocynthis (L.) Schrader var. lanatus (Thunb.) Matsum. & Nakai]
{BC: Moran 25017 (SD 98119)}
This non-native species is commonly cultivated on the peninsula and has rarely naturalized in nw BC.
Ecoregions: CSS, CMT, CSU; Wider distr.: Native to s Africa, widely cultivated and naturalized in SON, & many parts of Mexico, much of USA
Citron, Watermelon, Sandía

Cucurbitaceae

Cucurbitaceae

Crossosoma bigelovii S. Watson
{BC: Moran 22895 (SD 96734)}
This shrub occurs most commonly in the CD region, but also on the west side of the SSPM and in the vicinity of Ensenada.
Ecoregions: CSS, CHA, CD; Wider distr.: SON, sw USA
Ragged Rock Flower, Bigelow Ragged Rock Flower

*Cucurbita cordata* S. Watson
[syn = Cucurbita cylindrata L.H. Bailey]
LC endemic.
{BC: Hodgson 8273 (SD 138389); BCS: Dice 678 (SD 119649)}

Cucurbitaceae

*Hedgehog gourd; melón de Coyote, Fulito, melonCito*

Hedgehog gourd; melón de Coyote, Fulito, melonCito
Ecoregions: GCD, MAG, CPL; Wider distrib.: Native to Old World, widely cultivated and naturalized in SON, & many parts of Mexico, much of USA
Citron, Watermelon, Sandía

*Cucumis melo* var. *dudaim* (L.) Naudin
{BC: Moran 25133 (SD 98327); BCS: M. Domínguez L. 3782 (SD 160226)}
This non-native species is commonly cultivated on the peninsula and has rarely naturalized in nw BC & in the Cape region of BCS.
Ecoregions: GCD, MAG, CPL; Wider distr.: Native to Old World, naturalized in SON, SIN, w Mexico; TX, HI
Hedgehog Gourd, Melón de Coyote, Fulito, MelonCito

*Citrus lanatus* (Thunb.) Matsum. & Nakai
[In Wiggins as Citrullus vulgaris Schrader; syn = Citrullus colocynthis (L.) Schrader var. lanatus (Thunb.) Matsum. & Nakai]
{BC: Moran 25017 (SD 98119)}
This non-native species is commonly cultivated on the peninsula and has rarely naturalized in nw BC.
Ecoregions: CSS, CMT, CSU; Wider distr.: Native to s Africa, widely cultivated and naturalized in SON, & many parts of Mexico, much of USA
Citron, Watermelon, Sandía

*Hedgehog gourd; melón de Coyote, Fulito, melonCito*

Hedgehog gourd; melón de Coyote, Fulito, melonCito
Ecoregions: GCD, MAG, CPL; Wider distrib.: Native to Old World, widely cultivated and naturalized in SON, & many parts of Mexico, much of USA
Citron, Watermelon, Sandía

*Cucurbita cordata* S. Watson
[syn = Cucurbita cylindrata L.H. Bailey]
LC endemic.
{BC: Hodgson 8273 (SD 138389); BCS: Dice 678 (SD 119649)}

Cucurbitaceae
This vine is endemic to our region & occurs from the vicinity of SASAM in s BC south to s SGIG & MAG to the north of the Cape region.
Ecoregions: CD, VD, GCD, GIG, MAG
Baja California melon; Calabacita, Calabacilla de Coyote, Calabasa Amarga, Calabacilla Amarga

**Cucurbita digitata** A. Gray
{BC: Moran 24681 (SD 98397)}
This native vine occurs mostly in SW SJ & San Matías, but also rarely in the n CD in the vicinity of San Agustín.
Ecoregions: CHA, LCD, CD; Wider distrib.: SON, CHH, SW USA
FINGER-LEAF GOURD; COYOTE GOURD; CALABACILLA, CHICHI COYOTA

**Cucurbita foetidissima** Kunth
{BC: Moran 27782 (SD 103224)}
This vine is relatively rare in our region and occurs in extreme nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: SON, widespread in USA
BUFFALO/MISSOURI GOURD; CALABACILLA, OREJA DE BURRO

**Cucurbita palmata** S. Watson
[syn = Cucurbita californica Tott. ex S. Watson]
{BC: Moran 25064 (SD 98598)}
This native vine occurs in n BC mostly north of Bahía San Luis Gonzaga.
Ecoregions: CSS, CHA, CSU, LCD, CD; Wider distrib.: SON, SW USA
COYOTE MELON, DESERT COYOTE GOURD; CALABACITA, CALABACILLA DE COYOTE, MELON DE COYOTE, CALABASA AMARGA

*Echinopepon pepo* L. var. pepo
{BC: Moran 25244 (SD 101211)}
This species is most likely native to Mexico, but not to our region. It is commonly planted and rarely naturalizes in nw BC.
Ecoregions: CHA, CSU; Wider distrib.: Native to Mexico & e USA, commonly cultivated and naturalized in w USA
PUMPKIN; CALABAZA

**Cyclanthera ribiflora** (Schltld.) Cogn.
{BC: M. Domínguez L. 2845 (SD 146642)}
This very rare vine is only known in our region from a couple of specimens in the western foothills of the SGIG and these specimens need to be verified.
Ecoregions: MAG; Wider distrib.: c & s Mexico, Central America
CENTRAL AMERICAN CYCLANTHERA

**Cyclanthera tamnoides** Cogn.
[syn = Cyclanthera testudineata Brandegee]
{BCS: Rehman 5824 (SD 145393)}
This very rare native vine occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: c & s Mexico
MEXICAN CYCLANTHERA


**Echinopepon cirrhopedunculatus** Rose
{BCS: Rehman 9681 (SD 153071)}
This native vine is rare in BCS and occurs in the s SGIG & on Cerro Alto Island.
Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, w coastal Mexico
MEXICAN BALSAM-APPLE

**Echinopepon minimus** (Kellogg) S. Watson var. minimus
{BC: Moran 25427 (SD 99639); BCS: Rehman 4821 (SD 144764)}
This variety is endemic to our region and occurs on Cedros Island and extreme s BC south to s SGIG.
Ecoregions: PI (Cedros), CD, VD, GCD, GIG, MAG
CEDROS BALSAM-APPLE

**Echinopepon minimus** (Kellogg) S. Watson var. peninsularis (Gentry) Stocking
[In Wiggins as Echinopepon peninsularis Gentry] BCS endemic.
{BCS: León de la Luz 2120 (SD 126816)}
This BCS endemic variety occurs from the SSF south to the Cape region and on a few southern Gulf islands.
Ecoregions: CD, GCD, GIG, MAG, CPL, CPM
PENINSULAR BALSAM-APPLE; ENREDADERA GISAPOL

**Echinopepon racemosus** (Steu.) C. Jeffrey
[syn = Echinopepon horridus Naudin]
{BCS: T.S. Brandegee s.n. 22 Oct 1893 (UC)}
This very rare native species is only known in our region from one historical specimen collected in “Arroyo Hondo near Comondú” in BCS that was cited by Stocking (1955).
Ecoregions: GIG; Wider distrib.: SIN, w & s Mexico, Central & South America
Hairy Balsam-Apple

**Echinopepon torquatus** (DC.) Rose
[syn = Echinopepon quinquelobatus Naudin]
{BCS: Barclay 3107 (BM)}
This very rare native species is only known in our region from one historical specimen collected in the vicinity of Bahía de Magdalena in BCS that was cited by Munro & Stafford (1998).
Ecoregions: MAG; Wider distrib.: w Mexico, mostly at higher elevations
MOUNTAIN BALSAM-APPLE

**Echinopepon wrightii** (A. Gray) S. Watson
{BCS: Rehman 4586 (SD 141667)}
This native vine is rare in BCS and occurs in the SGUD & SLL.
Ecoregions: GIG, CPM; Wider distrib.: SON, SIN, w & s Mexico, AZ, NM, TX
WILD BALSAM-APPLE


**Ibervillea sonorae** (S. Watson) Greene
[In Wiggins as Ibervillea sonorae var. peninsularis (I.M. Johnst.) Wiggins, Ibervillea insularis (Brandegee) Wiggins; syn = Maximowiczia sonorae S. Watson, Maximowiczia sonorae S. Watson var. brevicaulis (Brandegee) I.M. Johnst., Maximowiczia insularis Brandegee]
{BC: Turner 106 (SD 92244); BCS: A. Carter 5281 (SD 106204)}
This highly variable native species occurs in extreme SE BC from the vicinity of SLIB south to the Cape region and on various adjacent islands.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN

Coyote melon; melón de Coyote, guerequi, enredadera Fulito de Coyote, Calueba amarga

*Lagenaria siceraria* (Molina) Standl.

{BCS: León de la Luz 930 (RSA 607036)}
This non-native is planted in our region and is known to naturalize rarely in the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: Possibly native to s Africa, commonly cultivated & naturalized in the New World in SON, SIN, AZ & se USA

**Bottle Gourd; Bule**


*Marah guadalupensis* (S. Watson) Greene

{syn = Megarrhiza guadalupensis S. Watson}
BC endemic. Status in CFP: 1B, 5.

{BC: Moran 6734 (SD 48260)}
This BC endemic is rare and occurs only on Guadalupe Island.

Ecoregions: PI (Guadalupe)

**Guadalupe Manroot**

*Marah macrocarpa* (Greene) Greene var. *macrocarpa*

{BC: Moran 25333 (SD 101280)}
This common vine occurs throughout much of BC and on adjacent Pacific islands.

Ecoregions: CSS, CHA, CSU, PI; Wider distrib.: CA

**Manroot, Wild Cucumber, Chilcothe, Cucamonga Manroot**

*Marah macrocarpa* (Greene) Greene var. *micrantha* (Dunn)

{syn = Marah micrantha Dunn}

BC endemic.

{BC: Oberbauer s.n., 14 Apr 1983 (SD 127762)}
This very rare BC endemic variety has smaller staminate flowers (3-6 mm in diam.) and smaller seeds (10-13 mm long) and appears to be restricted to Cedros Island.

Ecoregions: PI (Cedros)

**Cedros Manroot**

*Melothria pendula* L.

{syn = Melothria donnell-smithii Cogn.}

{BCS: M. Domínguez L. 445 (SD 154091)}
This vine occurs in the SLL of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, scattered in Mexico, se USA

**Guadeloupe/Creeeping Cucumber**

*Momordica balsamina* L.

{BCS: Valov 188 (HCIB 23892)}
This non-native vine is rare in BCS and known only from the vicinity of Mulegé.

Ecoregions: GCD; Wider distrib.: Native to tropical Africa, naturalized in Central America, Asia, Australia

**Southern Balsam-Pear**

*Momordica charantia* L.

{BCS: C.F. Harbison s.n. 11 Nov 1952 (SD 44995)}
This non-native vine occurs in BCS in the southern Cape region.

Ecoregions: CPL; Wider distrib.: Native to India, naturalized in SON, SIN, tropical Mexico, Africa, Asia, Caribbean

**Balsam-Pear; Chulupa, Cundeamor**

*Polycalathra cucumerina* Bertol.

{syn = Roseanthus elongatus Rose, Polycalathra albiflora (Cogn.) C. Jeffrey}

{BCS: Rebman 5857 (SD 145394)}
This very rare native vine occurs at higher elevations in the SLL of BCS.

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, Central America

**Sicyos peninsularis** Brandegee

BCS endemic.

{BCS: Rebman 5744 (SD 143126)}
This BCS endemic vine occurs in the SLL of the Cape region.

Ecoregions: CPL, CPM

**Peninsular Bur-Cucumber**

*Sicyosperma gracile* A. Gray

{BCS: Rebman 4739 (SD 142241)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**


*Vaseyanthus brandegeei* (Cogn.) Rose

{BCS: Rebman 4739 (SD 142241)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Vaseyanthus insularis** (S. Watson) Rose

{BCS: Rebman 4739 (SD 142241)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**

*Vaseyanthus insularis* var. *mucronatus* (I.M. Johnst.), *V. i. var. palmeri* (S. Watson) Gentry, *V. rosei* Cogn.

{BCS: Rebman 4739 (SD 142241)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**

*Vaseyanthus mexicanus* (S. Watson) Rose

{BCS: Brandegee s.n. (SD 44995)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**

*Vaseyanthus insularis* var. *mucronatus* (I.M. Johnst.), *V. i. var. palmeri* (S. Watson) Gentry, *V. rosei* Cogn.

{BCS: Brandegee s.n. (SD 44995)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**

*Gerychus glomeratus* (C. Presl) Baill.

{BC: Brandegee s.n. (SD 44995)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**

*Datiscaceae*

*Datiscus glomeratus* (C. Presl) Baill.

{BC: Brandegee s.n. (SD 44995)}
This native vine is relatively rare in our region and occurs in BCS in the SGUAD & SLL.

Ecoregions: GIG, CPL; Wider distrib.: SON, LNE, AZ, NM

**Climbing Arrowheads**

*Ebenaceae*

*Diospyros californica* (Brandegee) I.M. Johnst. var. *californica*

BCS endemic.

{BCS: Rebman 5754 (SD 143125)}
This BCS endemic variety occurs only in the Cape region.

Ecoregions: CPL, CPM

**California Wild Persimmon; Guayparín, Zapotillo**
**Diospyros californica** (Brandegee) I.M. Johnst. var. *tonsa* I.M. Johnst.

BCS endemic.

(BCS: León de la Luz 8052 (SD 203808))

This BCS endemic variety is rarer than var. californica and occurs only in the northern Cape region.

Ecoregions: CPL

**California Smooth Wild Persimmon; Guayparín, Zapotillo**

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**Diospyros intricata** (A. Gray) Standl.

[In Wiggins as Maba intricata (A. Gray) Hiern]

BCS endemic.

(BCS: Moran 19051 (SD 80284))

This BCS endemic occurs mostly near the coast at lower elevations in the Cape region.

Ecoregions: CPL

**Cape Wild Persimmon; Guayparín, Zapotillo**

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**Elatinaceae**

**Bergia texana** (Hook.) Walp.

[syn = Elatine texana Hook.]

Status in CFP: 2B.

(BC: Moran 27989 (SD 104315); BCS: M. Domínguez L. 2041 (SD 140677))

This native species is rare in vernal pools in nw BC but also occurs infrequently in wet areas in the southern half of BCS.

Ecoregions: CSS, CSU, GCD, GIG, MAG; Wider distrib.: SON, SIN, w & c USA

**Texas Bergia**

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**Elatine brachysperma** A. Gray

[syn = Elatine triandra Schkuhr var. brachysperma (A. Gray) Fassett, Elatine obovata (Fassett) Mason]

Status in CFP: 2B.

(BC: Moran 27119 (SD 102116))

This rare native species occurs in vernal pools near Tijuana and Colonel of nw BC and also in the SLIB of s BC.

Ecoregions: CSS, CSU, CD; Wider distrib.: c Mexico, w & sc USA

**Short-Seed Waterwort**

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**Elatine californica** A. Gray

[syn = Elatine californica var. williamsii (Rydberg) Fassett]

Status in CFP: 2B.

(BC: Moran 28857 (SD 105586))

This rare native species occurs in the SJ of n BC in the vicinity of Laguna Hanson.

Ecoregions: CMT; Wider distrib.: w USA

**California Waterwort**

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**Ericaceae**

**Arbutus peninsularis** Rose & Goldman

BCS endemic.

(BCS: Thomas 7880 (SD 50008))

This BCS endemic species occurs in the SLL and is closely related to A. xalapensis of mainland Mexico.

Ecoregions: CPM

**Peninsular Madrone; Madroño**

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Hirales Leree, Sergio Alfredo. 1996. Diagnosis biogeografica del genero Arctostaphylos Adans. (Ericaceae) en el noroeste de Baja California. Tesis, Universidad Autonoma de Baja California.


**Arctostaphylos australis** Eastw.

BC endemic. Status in CFP: 1B, 5.

(BC: Moran 16157 (SD 73038))

This rare BC endemic species occurs mostly south of Ensenada and is especially common in the vicinity of San Vicente & Eréndira in nw BC.

Ecoregions: CSS, CHA

**Southern Manzanita**

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**Arctostaphylos bolensis** P.V. Wells

BC endemic. Status in CFP: 1B, 5.

(BC: Moran 28143 (SD 105002))

This very rare BC endemic occurs on Cerro Bolo between Tecate & Ensenada in nw BC.

Ecoregions: CSS

**Cerro Bolo Manzanita**

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**Arctostaphylos glandulosa** Eastw. subsp. *adamsii* (Munz) Munz

[syn = Arctostaphylos glandulosa var. adamsii Munz, Arctostaphylos glandulosa f. wieriana P.V. Wells]

Status in CFP: 2A.

(BC: C.F. Harbison s.n., 27 Mar 1956 (SD 52498))

This very rare BC endemic subspecies occurs in extreme n BC in the upper foothills of the SJ.

Ecoregions: CHA

**Adams Manzanita, Laguna Mountain Manzanita**

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**Arctostaphylos glandulosa** Eastw. subsp. *atumescens* J.E. Keeley, M.C. Vasey & V.T. Parker

BC endemic. Status in CFP: 1B, 5.

(BC: J. Keeley 24160 (RSA 622991))

This very rare BC endemic subspecies is only known from a couple of populations to the south of Ensenada & just southwest of Punta Banda in nw BC.

Ecoregions: CSS

**Punta Banda Manzanita**

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**Arctostaphylos glandulosa** Eastw. subsp. *crassifolia* (Jeps.) P.V. Wells

[In Wiggins as Arctostaphylos glandulosa var. crassifolia Jeps.]

Status in CFP: 1B; Listed: FE. CNPS 1B.1.

(BC: Moran 30139 (SD 110476))

This very rare BC endemic subspecies occurs along the immediate Pacific coast on sandstone outcrops from Tijuana south to near Eréndira in extreme nw BC.

Ecoregions: CSS; Wider distrib.: CA (sw San Diego County)

**Del Mar Manzanita**

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**Arctostaphylos glandulosa** Eastw. subsp. *cushingiana* (Eastw.) J.E. Keeley, M.C. Vasey & V.T. Parker

Status in CFP: 3.

(BC: J. Keeley 17294 (RSA 623351))

This rare native subspecies occurs in nw BC in the vicinity of Eréndira between Ensenada & San Quintín.

Ecoregions: CSS, CHA; Wider distrib.: CA

**Cushing Manzanita**
Arctostaphylos glandulosa Eastw. subsp. glandulosa


{BC: Moran 17573 (SD 75768)}

This very rare BC endemic occurs between Valle de Las Palmas & Ensenada and in the Sierra Blanca in nw BC.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA, OR

Arctostaphylos moranii P.V. Wells

Reference: see A. incognita: Keeley 1997

{syn = Arctostaphylos australis Eastw. var. sericea W. Knight} BC endemic. Status in CFP: 1B, 5.

{BC: Moran 26841 (SD 101765)}

This rare BC endemic occurs mainly near San Antonio de las Minas to the north of Ensenada in nw BC.

Ecoregions: CSS, CHA

MORAN MANZANITA

Arctostaphylos otayensis Wiesl. & B. Schreib.

Status in CFP: 1B; Listed: CNPS 1B 2.

{BC: Craig Reiser s.n., 10 Apr 1994 (SD 138880)}

This very rare native species occurs near La Misión in extreme nw BC.

Ecoregions: CSS; Wider distrib.: CA (sw San Diego County)

OTAY MANZANITA

Arctostaphylos peninsularis subsp. juarezensis


{BC: F. Hrusa 11625 (UCR 88382)}

This very rare native species occurs in the SJ of n BC. It is possible that this collection represents something undescribed & does not belong in this species, but more taxonomic research is needed.

Ecoregions: CMT; Wider distrib.: w USA

GREEN-LEAF MANZANITA; MANZANITA

Arctostaphylos parrana Lemmon


{BC: F. Hrusa 11625 (UCR 88382)}

This very rare native species occurs in the SJ of n BC. It is possible that this collection represents something undescribed & does not belong in this species, but more taxonomic research is needed.

Ecoregions: CMT; Wider distrib.: w USA

GREEN-LEAF MANZANITA; MANZANITA

Arctostaphylos patula Greene

[In Wiggins as Arctostaphylos patula subsp. platyphylla (A. Gray) P.V. Wells]

Status in CFP: 2B.

{BC: Moran 15657 (SD 69063)}

This rare native species occurs at higher elevations in the SSPM of nw BC.

Ecoregions: CHA, CMT; Wider distrib.: w USA

GREEN-LEAF MANZANITA; MANZANITA

Arctostaphylos peninsularis P.V. Wells subsp. juarezensis J.E. Keeley


{BC: J. Keeley 18045 (SD 135201)}

This rare BC endemic subspecies occurs in the upper foothills & mountains of the SJ in nw BC.

Ecoregions: CHA, CMT

SIERRA JUAREZ MANZANITA; MANZANITA

Arctostaphylos peninsularis subsp. juarezensis × A. pringlei BC endemic.

{BC: J. Keeley 18055 (RSA 638068)}

This very rare interspecific hybrid between A. peninsularis subsp. juarezensis & A. pringlei occurs in the SJ of n BC.

Ecoregions: CMT

HYBRID SIERRA JUAREZ MANZANITA

Arctostaphylos peninsularis subsp. juarezensis × A. pungens BC endemic.

{BC: J. Keeley 18040 (RSA 638069)}

This very rare interspecific hybrid between A. glandulosa & A. pungens occurs in the SJ in nw BC.

Ecoregions: CHA

OVERRUN MANZANITA
Arctostaphylos parryi Parry subsp. drupacea (Parry) P.V. Wells
Status in CFP: 2A.
{BC: Moran 18020 (SD 76480)}
This uncommon native subspecies occurs in the upper foothills & mountains of the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT, CD

Arctostaphylos pungens Kunth
{syn = Arctostaphylos chalaneorum J.B. Roof, Arctostaphylos pungens Kunth subsp. chalaneorum (J.B. Roof) J.B. Roof}
{BC: Moran 14565 (SD 68169); BCS: M. Domínguez L. s.n., 13 Sep 1999 (HCIB 12345)}
This native species occurs mostly in the upper foothills & mountains of the SJ & SSPM in nw BC. It also occurs very rarely in the SLL of BCS.
Ecoregions: CHA, CMT, CPM; Wider distrib.: AZ, NV, UT

Arctostaphylos diversifolia (C. Parry) Greene subsp. planifolia
(Jeps.) G.D. Wallace
{In Wiggins as Comarostaphylis diversifolia (no subssp.)}
Status in CFP: 2A.
{BC: Moran 27888 (SD 103301)}
This very rare species occurs in nw BC in the vicinity of Eréndira. Plants in BC have flattened leaves and longer inflorescence bracts more closely resembling this subspecies, but are still different from the CA Channel Island plants.
Ecoregions: CSS, CHA; Wider distrib.: CA

Arctostaphylos oppositifolia (Parry) Small
{In Wiggins as Arctostaphylos oppositifolia Parry; syn = Arctostaphylos salicifolia Parry}
Status in CFP: 4, 6; Listed: CE, CNPS 2.1.
{BC: Moran 18330 (SD 77254)}
This uncommon native species is a near-endemic to BC with only one population occurring in extreme sw San Diego County just along the USA/Mexico border. This species ranges from Tijuana south to the southern end of the SSPM in nw BC.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA (extreme sw San Diego)

BAJA CALIFORNIA BIRDHOUSE; PALO BLANCO

Pterospora andromedea Nutt.
{BC: E. Kentner 264 (RSA 821689)}
This very rare native species is only known in our region from the higher elevations of SSPM in nw BC.
Ecoregions: CMT; Wider distrib.: CHH, DUR, NLE, w & ne USA & w Canada

Pyrola picta Sm.
Status in CFP: 2B.
{BC: Moran 15077 (SD 69221)}
This very rare native species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: CA, OR

Xylococcus bicolor Nutt.
{syn = Arctostaphylos bicolor (Nutt.) A. Gray}
{BC: Moran 13224 (SD 62854); BCS: Moran 20206 (SD 92472)}
This native shrub occurs most commonly in nw BC from Tijuana south to El Rosario and on Cedros Island in the Pacific, but it also occurs on sky islands farther south on the peninsula including the SBOR & SLIB of s BC and the SSF, V3V & SGUAD of n BCS.
Ecoregions: CSS, CHA, CSU, PI (Cedros), CD, GIG; Wider distrib.: CA

MISSION MANZANITA; MANZANITA, MADROÑO

Euphorbiaceae


Acalypha aliena Brandegee
{BCS: Rebman 4466 (SD 141663)}
This native annual occurs from the SSF south to the s SGIG of BCS.
Ecoregions: CD, GIG; Wider distrib.: SON, SIN, s Mexico, Central America

BAJA CALIFORNIA CORKLEAF
Acalypha californica Benth.  
[syn = Acalypha pringlei S. Watson]  
{BC: Moran 21354 (SD 88040); BCS: Rebm 4640 (SD 142971)}  
This rare native shrub occurs throughout most of BCS from the SSF south to the Cape region. Some literature sources report this species for SIN and other states in Mexico, but this needs to be verified.  
Ecoregions: CD, GIG, MAG, CPL, CPM  
COMONDU CUPPERLEAF; HIERBA DE LA MULA, HIERBA DEL CANCER, HIERBA DE LA PISTULA, HIERBA DE LA MULA, CANCERINA

Acalypha comonduana Millsp.  
BCS endemic.  
{BCS: Moran 21354 (SD 88040)}  
This relatively common BCS endemic occurs throughout most of BCS from the SSF to the Cape region. Some literature sources report this species for SIN and other states in Mexico, but this needs to be verified.  
Ecoregions: CD, GIG, MAG, CPL, CPM  
COMONDU CUPPERLEAF; HIERBA DE LA MULA, HIERBA DEL CANCER, HIERBA DE LA PISTULA, HIERBA DE LA MULA, CANCERINA

Acalypha filipes (S. Watson) McVaugh  
[syn = Acalypha coryloides Rose]  
{BCS: M. Domínguez L. 436 (HCIB 10712)}  
This rare native species is only known from a couple of historical specimens in our region collected at La Burrera in the SLL of BCS.  
Ecoregions: CSS, CHA, CMT, CSU, PI, CD, NV  
CITRUS ISLAND CUPPERLEAF; HIERBA DEL CANCER, HIERBA DE LA PISTULA, HIERBA DE LA MULA, CANCERINA

Acalypha ostryifolia  
{Syn = Acalypha pringlei S. Watson}  
{BC: Rebm 5647 (SD 144616)}  
Specimens closely matching this species and annotated by V.W. Steinmann occur in the SUGUAD & SGI1 of BCS. More taxonomic research is needed on this group in our region.  
Ecoregions: GCD, GIG, MAG, CPL, CPM  
CITRUS ISLAND CUPPERLEAF; HIERBA DEL CANCER, HIERBA DE LA PISTULA, HIERBA DE LA MULA, CANCERINA

Adelia brandegeei V.W. Steimm.  
{BCS: Moran 18770 (SD 94467)}  
This uncommon shrub occurs throughout most of BCS from the SSF to the Cape region.  
Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN  
BRANDEGEE FALSE-OCTILLO; PIMENTILLA

Bernardia incana C.V. Morton  
{Syn = Bernardia myricifolia (Scheele) S. Watson misappl.; sin = Croton crenulatus M.E. Jones}  
{BCS: Henrickson 9004 (SD 115917)}  
This uncommon native shrub occurs in mountains throughout much of BC from the SJ & SSPM south to V3V in n BCS.  
Ecoregions: CHA, CMT, CD; Wider distrib.: AZ, CA, NV  
WESTERN BERNARDIA; MOUSE EYE, MOUSE EAR; OREJA DE RATON

Bernardia lagunensis (M.E. Jones) L.C. Wheeler  
{Syn = Croton lagunensis M.E. Jones}  
BCS endemic.  
{BCS: Rebm 5785 (SD 143670)}  
This uncommon BCS endemic occurs in a few mountain ranges in the Cape region.  
Ecoregions: CPL, CPM  
CAPE BERNARDIA

Bernardia viridis Millsp.  
{Syn = Croton viridifolius (Scheele) S. Watson misappl.; sin = Croton crenulatus M.E. Jones}  
{BCS: Rebm 5785 (SD 143670)}  
This uncommon BCS endemic occurs in a few mountain ranges in the Cape region.  
Ecoregions: CPL, CPM  
CAPE BERNARDIA

Cnidoscolus maculatus (Brandegge) Pax & K. Hoffm.  
{Syn = Cnidoscolus angustidens (Torr. & Gray) R. L. Hitchcock}  
{BC: D.F. Howe 4404 (SD 80723)}  
This uncommon BCS endemic occurs in the vicinity of Ciudad Constitución south to the Cape region where it is rather common. It also occurs disjunctly north to the SUGUAD in n BCS. This species differs from C. angustidens (not found in our region) by having larger seeds with smaller carpel and leaf margins that lack stimulus hairs.  
Ecoregions: GCD, MAG, CPL, CPM  
SPOTTED BULLNETTLE; MUD Rutherfordia, CARIBBEAN

Cnidoscolus palmeri (S. Watson) Rose  
{BC: Robert L. Hill s.n., 29 Oct 2008 (SD 193099); BCS: Rebm 3608 (SD 141003)}  
This native shrub occurs on the peninsula from extreme se BC in the vicinity of El Barril south to near La Paz and on various Gulf islands.
Ecoregions: GCD, GIG; Wider distrib.: SON
PALMER ROCK NETTLE; MALA MUJER, ZUMAQUE VENENOSO, ORTIGUILA, CARIBE

Croton caboensis Croizat
BCS endemic.
{BCS: (SD 62554)}
This BCS endemic occurs from the SGIG south to the Cape region.
Ecoregions: GCD, GIG, CPL, CPM
CAPE CROTON

Croton californicus Müll.Arg.
{In Wiggins as Croton californicus var. californicus, Croton californicus var. tenuis (S. Watson) Ferg.}
{BC: Moran 24003 (SD 97278); BCS: Pérez Navarro 580 (SD 146938)}
This widespread native species prefers sandy substrates and occurs throughout most of the peninsula and on Magdalena Island.
Ecoregions: CSS, CHA, CSU, CD, LD, VD, GCD, GIG, CPL; Wider distrib.: SON, SIN, AZ, CA, NV, UT
CALIFORNIA CROTON; VARA BLANCA, HIERBA DEL PESCADO

Croton ciliatoglandulifer Ortega
{In Wiggins as Croton ciliato-glanduliferum (spelling variant)}
{BC: Rebmam 17238 (SD 194570); BCS: Moran 23811 (SD 95441)}
This uncommon native species occurs in the SLIB of BC and the SLL of the Cape region.
Ecoregions: CSS, CHA, CSU, CD, LD, VD, GCD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, TX, Central America
MEXICAN CROTON, SCENTED CROTON; TRUCHA, ORTIGA, DOMENGULLO, CHILE, ENCHILADORA

Croton dioicus Cav.
{BC: Turner 13 (SD 67971)}
This rare species has only been collected once in our region near Bahía San Luis Gonzaga. The voucher specimen for BC was annotated by G. Webster, but a close comparison to C. californicus needs to be made again.
Ecoregions: LCD; Wider distrib.: Widespread in Mexico, NM, TX
GRIASSLAND CROTON

Croton magdalenae Millsp.
{In Wiggins as Croton boreogensis M.E. Jones}
{BC: Rebmam 3151 (SD 139608); BCS: N. Roberts s.n., 25 Oct 1988 (SD 124283)}
This common near-endemic species occurs throughout much of the peninsula, except nw & ne BC, from the SSPM south to the Cape region and on various adjacent islands. It also occurs at a few places in Sonora.
Ecoregions: CMT, CD, LD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON
MAGDALENA CROTON; YERBA DE LA MULA, MALVA LANOSA

Croton setigerus Hook.
{In Wiggins as Eremocarpus setigerus (Hook.) Benth.}
{BC: Moran 18577 (SD 80192)}
This uncommon native annual occurs in extreme nw BC.
Ecoregions: CSS, CHA; Wider distrib.: w USA
DOWEED, TURKEY MILLEIN

Croton sonorae Torr.
{syn = Croton attenuatus M.E. Jones, Croton pringlei S. Watson}
{BC: Rebmam 25265 (SD 223595); BCS: A. Carter 5307 (SD 106185)}
This native shrub occurs on sky islands of the peninsula from the SLIB of BC south through the SGIG to the SLL of BCS.
Ecoregions: CD, GIG, CPL; Wider distrib.: SON, SIN, GRO, PUE, OAX, AZ
SONORAN CROTON; RAMA BLANCA

Dalechampia scandens L. var. scandens
{syn = Dalechampia scandens var. fimbriata (Kunth) Müll.Arg.}
{BCS: R. Domínguez C. 1008 (HCIB 1430)}
This rare native vine occurs in the SLL of the Cape region.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America
SPURGE CREEPER

Ditaxis adenophora (A. Gray) Pax & K. Hoffm.
{syn = Argythamnia adenophora A. Gray}
{BC: Peter H. Raven 14769 (RSA 161373)}
This rare species has only been collected once in our region near San Felipe in ne BC.
Ecoregions: LCD; Wider distrib.: SON, SIN, AZ
GLANDULAR SILVERBUSH

Ditaxis brandegeei (Millsp.) Rose & Standl. var. brandegeei
{syn = Argythamnia brandegeei Millsp.}
BCS endemic.
{BCS: A. Carter 5392 (SD 106222)}
This BCS endemic occurs along the Gulf coast from Santa Rosalía to north of La Paz and on various adjacent Gulf islands.
Ecoregions: GCD, GIG
BRANDEGEE SILVERBUSH

Ditaxis brandegeei (Millsp.) Rose & Standl. var. intonsa I.M. Johnst.
{syn = Argythamnia brandegeei Millsp. var. intonsa (I. M. Johnst.) J.W. Ingram}
{BCS: Rebmam 35303 (SD 140999)}
This rare variety occurs along the Gulf coast of BCS from Mulegé to Loreto and on a few Gulf islands. It is weakly differentiated from var. brandgeeei based on the presence of hairs and is less common and more restricted in distribution in BCS.
Ecoregions: GCS; Wider distrib.: SON, AZ
SONORAN SILVERBUSH

Ditaxis heterantha Zucc.
{syn = Argythamnia heterantha (Zucc.) Müll. Arg.}
{BCS: Rebmam 3789 (SD 143667)}
This rare native species occurs in a few localities in the Cape region.
Ecoregions: CPL, CPM; Wider distrib.: SIN, c Mexico
TREE SILVERBUSH

Ditaxis lanceolata (Benth.) Pax & K. Hoffm.
{syn = Argythamnia lanceolata (Benth.) Müll. Arg., Argythamnia sericophylla A. Gray ex S. Watson var. verrucosmisina Millsp.}
{BC: Moran 24786 (SD 98292); BCS: Rebmam 3640 (SD 140997)}
This common native species occurs throughout most of the peninsula, except nw BC, and also on various Gulf islands.
Ecoregions: CSU, LCD, CD, LD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, AZ, CA
DESERT SILVERBUSH, NARROW-LEAF SILVERBUSH

Ditaxis neomexicana (Müll.Arg.) A. Heller
{syn = Argythamnia neomexicana Müll. Arg., Ditaxis gracilis Rose & Standl.}
This rare species occurs from ne BC south to the vicinity of La Paz and on various Gulf islands. Ecoregions: LCD, CD, GD, GC, G, MG; Wider distr.: SON, SIN, n Mexico, sw USA.

**New Mexico Silverbush**

*Ditaxis serrata* (Torr.) A. Heller var. *serrata*


[BC: C.F. Harbison s.n., 5 Apr 1947 (SD 41650); BCS: Rauh 25506 (SD 77392)]

This uncommon native species occurs sporadically throughout most of the peninsula and on various Gulf islands. Ecoregions: CSS, LCD, CD, GD, GC, G, MG; Wider distr.: SON, n Mexico, AZ, CA.

**Yuma Silverbush**


**Euphorbia abramsiana** L.C. Wheeler

[syn = *Chamaesyce abramsiana* (L.C. Wheeler) Koutnik]

[BC: Wiggins 15100 (UC 1210690); BCS: A. Carter 5287 (SD 176960)]

This rare native annual occurs in extreme sw BC south to the vicinity of La Paz in BCS. Ecoregions: GD, GC, G; Wider distr.: SON, SIN, sw USA.

**Abrams Sandmat**; Desert Sandmat; Golondrina

**Euphorbia albomarginata** Torr. & A. Gray

[syn = *Chamaesyce albomarginata* (Torr. & A. Gray) Small]

[BC: Moran 17627 (SD 75059); BCS: A. Carter 3425 (SD 49250)]

This uncommon native species occurs from nw BC south to s SGIG. Ecoregions: CSS, CHA, CMT, CD, GD, GC, G, MG; Wider distr.: SON, SIN, sw USA.

**White-Margin Sandmat**; Golondrina, Golondrina Rasterra

**Euphorbia apicata** L.C. Wheeler

[BC: Rebman 5773 (SD 143666)]

This rare BCS endemic occurs in the SLL of the Cape region. Ecoregions: CPM.

**La Laguna Sandmat**

**Euphorbia arizonica** Engelm.

[BC: Torr. & A. Gray var. magdalenae Millsp.]

[BC: Moran 12532 (SD 65366); BCS: Moran 11709 (SD 59566)]

This uncommon native species occurs rarely in n BC in the SJ & in San Matías Pass, but is more common from the SLIB south to the northern Cape region. Ecoregions: CMT, LCD, CD, GD, GC, G, MG, CPL; Wider distr.: SON, CHH, DUR, COA, sw USA.

**Arizona Sandmat**; Golondrina

**Euphorbia bartolomei** Greene

[In Wiggins as *Euphorbia bartolomei* (spelling variant); syn = *Chamaesyce bartolomei* (Greene) Millsp.]


[BC: Moran 21998 (SD 91731); BCS: Moran 19777 (SD 92290)]

This rare species is endemic to our region and occurs along the western side of the peninsula from the vicinity of Mesa San Carlos south to Bahía de Magdalena. It also occurs on Cedros & Natividad islands. Ecoregions: CSU, PI, GD, MG.

**San Bartolome Sandmat**; Golondrina

**Euphorbia brandegeei** Millsp.

[syn = *Chamaesyce brandegeei* (Millsp.) Millsp., *Euphorbia pediculifera* Engelm. var. minor Millsp.]

BCS endemic.

[BCS: T.E. Greene, March 1938 (SD 20423)]

This uncommon BCS endemic occurs on Magdalena & Santa Margarita islands and adjacent peninsula south to the Cape region. Ecoregions: MG, CPM.

**Brandegge Sandmat**

**Euphorbia californica** Benth.

[BC: Rebman 5650 (SD 143665)]

This native shrub occurs in BCS from the SGUAD south to the Cape region. Ecoregions: GD, GC, MG, CPL, CPM; Wider distr.: SON, SIN, ZAC.

**California Spurge**; **Liga**

**Euphorbia capitellata** Engelm.

[syn = *Chamaesyce capitellata* (Engelm.) Millsp., *Euphorbia geminiloba* Millsp.]

[BC: Rebman 25153 (SD 223596); BCS: A. Carter 5288 (SD 120784)]

This native species occurs from the SLIB in s BC south to the Cape region. Ecoregions: CD, GD, GC, MG, CPL; Wider distr.: SON, SIN, nw Mexico, AZ, NM, TX.

**Head Sandmat**

**Euphorbia cerderodea** I.M. Johnst.

[BC: Rebman 1394 (SD 137171)]

This native succulent shrub occurs in west-central BCS between Laguna San Ignacio and Bahía de Magdalena, & also near Mulegé on the Gulf side of the peninsula. Ecoregions: GD, GC, MG; Wider distr.: SON.

**Wax Spurge**; **Espadín, Candelilla**

**Euphorbia cerralvensis** C.A. Maya & V. Steinmann, ined.

[BC: Moran 9526 (SD 66675)]

This recently described BCS endemic species occurs only on Cerralvo Island. Ecoregions: CPL (Cerralvo Island).

**Cerralvo Sandmat**

**Euphorbia chamberlini** I.M. Johnst.

BCS endemic.

[BC: I.M. Johnston 4136 (CAS 639907)]

This very rare BCS endemic is only known from the type specimen from Puerto Escondido near Loreto collected on 14 June 1921. This species is similar to *E. capitellata* but with dense, spreading hairs and more broad and entire leaves. Ecoregions: GCD.

**Chamberlin Sandmat**

**Euphorbia chersonesa** Huft

[In Wiggins as *Euphorbia heterophylla* L. var. eriocarpa Millsp.]

BCS endemic.

[BC: M. Domínguez 48 (SD 130781)]

This rare BCS endemic occurs in the s SGIG and in the SLL.
Ecoregions: GIG, CPM

**Euphorbia crenulata** Engelm.

*Giganta Spurge*

**Status in CFP:** 2B.

*{BC: Philbrick & Junak B78-112 (SBBG)}*

This very rare native annual has only been documented once in our region in April 1978 on Todos Santos Island.

Ecoregions: PI (Todos Santos); Wider distrib.: w USA

**Chinese Caps**

**Euphorbia cyparissias** (Engelm.) Boiss.

[syn = Euphorbia dentata Michx. var. cyparissias Engelm.]

*{BCS: Rebmam 5820 (SD 145536)}*

This rare native occurs at higher elevations in the SLL of the Cape region. Specimens from the Sierra de la Victoria may represent another taxon.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ, NM

**Hairy-Fruit Spurge; Lechuguilla**

**Euphorbia cyathophora** Murray

*[In Wiggins as Euphorbia heterophylla L. var. cyathophora (Murray)]& Engelm.; syn = Euphorbia heterophylla L. var. cyathophora (Murray) Boiss.]*

*{BCS: Rebmam 4310 (SD 141656)}*

This native annual occurs in BCS in the vicinity of SGUAD & in the Cape region.

Ecoregions: VD, GIG, CPL; Wider distrib.: SON, widespread in Mexico, e & c USA, Central & South America, introduced in Old World

**Fire-On-The-Mountain**

**Euphorbia dentosa** I.M. Johnst.

*BCS endemic.*

*{BC: Wiggins 14400 (SD 94505)}*

This EBC endemic occurs most commonly in the Cape region, but also in BCS as far north as the vicinity of Laguna San Ignacio.

Ecoregions: VD, GIG, CPL, CPM; Wider distrib.: SON, nw Mexico, sw USA

**Cape Sandmat; golondrina**

**Euphorbia eriantha** Benth.

*{BC: Moran 24784 (SD 97955); BCS: Moran 20068 (SD 92296)}*

This common, widespread native annual occurs from ne BC south to the Cape region.

Ecoregions: CMT, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, nw Mexico, sw USA

**Beetle Spurge**

*Euphorbia graminea* Jacq.

*{BC: R. Domínguez C. 4637 (SD 141889)}*

This rare non-native annual occurs in disturbed areas of the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, SW Mexico, South America

**South Spurge; Ligua**

*Euphorbia hirsuta* L. var. *hirsuta*

*[syn = Euphorbia pilulifera auct. non L., Chamaesyce hirta L.]*

*{BC: Rebmam 4317 (SD 141657)}*

This rare native annual occurs in BCS in the vicinity of SGUAD and on the western side of the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, sw, sc, se USA, warmer regions of the world

**Pillop Sandmat; Hierba de Paloma**

**Euphorbia humayensis** Brandegee

*{BC: M. Domínguez L. 47 (SD 130784)}*

This very rare native annual occurs on the western side of the SLL in the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, sw Mexico, South America

**Sinaloa Spurge**

*Euphorbia hypericifolia* L.

*[syn = Chamaesyce hypericifolia (L.) Millsp.]*

*{BC: R. Domínguez C. 1730 (SD 143609)}*

This rare non-native annual occurs in disturbed areas of the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: Native to Mexico, s USA, West Indies, South America, introduced in SON, sw USA, Old World tropics, a pantropical weed

**Graceful Sandmat**

**Euphorbia hyssopifolia** L.

*[syn = Chamaesyce hyssopifolia (L.) Small]*

*{BC: Moran 18594 (SD 79924); BCS: A. Carter 5550 (SD 120789)}*

This rare native annual occurs sporadically on sky islands of the peninsula from the s SJ south to the Cape region. It is more common in BCS, especially in the southern part.

Ecoregions: CHA, CD, VD, GIG, MAG, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, AZ to se USA, West Indies, Central & South America, introduced in Old World

**Hyssop Sandmat**

**Euphorbia incerta** Brandegee

*[syn = Chamaesyce incerta (Brandegee) Millsp.]*

*{BCS: I.M. Johnston 4010 (CAS 58336)}*

This very rare native species occurs on beach dunes in BCS near La Paz.

Ecoregions: CHA, CD, VD, GIG, MAG, CPM; Wider distrib.: SON, SIN, COL, NAY (Re-villagigedos Islands)

**Dune Sandmat**

**Euphorbia lagunensis** Huft

*BCS endemic.*

*{BC: M. Domínguez L. 62 (SD 130785)}*
This rare BCS endemic occurs in the SLL & the Sierra Cacachilas of the Cape region.
Ecoregions: CPL, CPM
LA LAGUNA SPURGE

Euphorbia leucophylla Benth. subsp. comcaacorum V.W. Steimm. & Felger
{BCS: Rebman 3378 (SD 139612)}
This rare native prefers sandy beaches and occurs in Bahía La Paz north of the city of La Paz.
Ecoregions: GCD; Wider distrib.: SON
RED-GLAND SANDMAT; GOLONDrina

Euphorbia leucophylla Benth. subsp. leucophylla
{syn = Chamaesyce leucophylla (Benth.) Millsp., Euphorbia biserata Millsp.}
{BCS: Vinton 23 (SD 139787)}
This common & variable native perennial grows on sandy beach areas and occurs from the s MAG region and Bahía de La Paz south around the entire Cape region and on various Gulf islands.
Ecoregions: GCD, MAG, CPL; Wider distrib.: SON
WHITE-LEAF SANDMAT; GOLONDrina

Euphorbia lomelii V.W. Steimm.
{In Wiggins as Pedilanthus macrorpus Benth.}
{BC: Marín 111 (SD 127916); BCS: Moran 10821 (SD 54311)}
This common native succulent occurs from the vicinity of Cataviña in e BC south to the Cape region of BCS.
Ecoregions: CD, LD, GCD, MAG, CPL; Wider distrib.: SON, SIN, w Mexico
SLIPPER PLANT, WAX PLANT; CANDELILLA, GALLito

Euphorbia lurida Engelm.
{In Wiggins as Euphorbia palmeri Engelm.}
{BC: Moran 15283 (SD 68058)}
This uncommon native perennial occurs in the SJ & SSPM of nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: SON, sw USA
WOOD SPURGE

*Euphorbia maculata L.*
{syn = Chamaesyce maculata (L.) Small}
{BC: Moran 25214 (SD 98816); BCS: T.S. Brandegey s.n., 14 Feb 1889 (UC 110548)}
This uncommon non-native occurs mostly in disturbed urban areas of nw BC. The voucher for BCS deposited at UC needs to be verified, but was annotated by L. Wheeler.
Ecoregions: CSS, MAG; Wider distrib.: Native to e USA, introduced in n Mexico, w USA, Canada
SPOTTED SANDMAT; GOLONDrina

Euphorbia magdalenae Benth.
{syn = Chamaesyce magdalenae (Benth.) Millsp., Euphorbia watsonii Millsp., Chamaesyce watsonii (Millsp.) Millsp., Euphorbia espirituensis M.E. Jones, Euphorbia bledoesta stipula Millsp.}
{BC: J. Delgadillo s.n., 28 Mar 1997 (SD 162749); BCS: Moran 196767 (SD 92738)}
This near-endemic shrub occurs mostly in BCS from the VPEN south to the Cape region and on various adjacent islands.
Ecoregions: CSU, LD, GCD, MAG, CPL, CPM; Wider distrib.: SON (San Pedro Nolasco & Tiburon islands)
MAGDALENA ISLAND SPURGE; GOLONDrina, GOLONDrinON

Euphorbia melanadenia Torr.
{syn = Chamaesyce melanadenia (Torr.) Millsp.}
{BC: Moran 15352 (SD 68439); BCS: Moran 23880 (SD 95387)}
This common native perennial occurs mostly in BC in the foothills and mountains on the peninsula from the SJ south to the SGUAD of n BCS.
Ecoregions: CHA, CMT, CSU, LCD, CD, GIG; Wider distrib.: SON, AZ, CA
RED-GLAND SANDMAT; GOLONDrina

Euphorbia micromera Boiss.
{syn = Chamaesyce micromera (Boiss.) Wooton & Standl.}
{BC: Moran 14573 (SD 68178); BCS: Moran 19851 (SD 92745)}
This widespread native annual occurs from ne BC south to the vicinity of La Paz and on various Gulf islands.
Ecoregions: CHA, CSU, LCD, CD, VD, GCD, GIG, MAG; Wider distrib.: SON, SIN, widespread in Mexico, sw USA
SONORAN SANDMAT; GOLONDrina

Euphorbia misera Benth.
{syn = Euphorbia bonducella Greene}
Listed: CNPS 2.2
{BC: Moran 16231 (SD 71947); BCS: B. Mackintosh s.n., 25 Feb 1969 (SD 70701)}
This is a common and widespread shrub in our region that occurs from the vicinity of Tijuana in nw BC south to the s SGIG in BCS and on various adjacent Pacific & Gulf islands. The plants from San Benitos islands with larger gland appendages & seeds have been named as E. misera, but V. Steimmann does not consider this a separate species.
Ecoregions: CSS, CSU, PI, LCD, CD, VD, GIG, MAG; Wider distrib.: SON, s CA
COAST SPURGE, CLIFF SPURGE; LIGA, JUMETÓN, LECHEOSA

*Euphorbia nutans Lag.*
{syn = Chamaesyce nutans (Lag.) Small, Chamaesyce maculata auct. non (L.) Small, Chamaesyce preslii (Guss.) Arthur, Euphorbia maculata auct. non L., Euphorbia preslii Guss.}
{BC: Moran 30996 (SD 127433); BCS: A.C. Sanders 7490 (UCR 57001)}
This rare non-native occurs in disturbed areas in nw BC and in the vicinity of Mulegé.
Ecoregions: CSS, GCD; Wider distrib.: Native to SON, widespread in Mexico, se USA, s Canada, Central & South America, introduced in CA
EYEBANE, LARGE SPURGE; GOLONDrina, GOLONDrina LOCA

Euphorbia pediculifera Engelm. var. pediculifera
{In Wiggins as Euphorbia taltulicola Wiggins; syn = Chamaesyce pediculifera (Engelm.) Rose & Standl., Euphorbia conjuncta Mill.sp., Euphorbia involuta Millsp.}
{BC: Moran 12469 (SD 65363); BCS: Rebman 3559 (SD 140991)}
This widespread native annual occurs from ne BC south to the Cape region. The type of E. taluticola appears to be a plant of this taxon with spotted leaves and involucres lacking appendages from the Bahia Concepción area.
Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, AZ, CA
CARRizo MOuntAIN SANDMAT; LOUSE SPURGE; GOLONDrina

Euphorbia peninsularis L.M. Johnst.
BCS endemic
{BCS: León de la Luz 2709 (SD 126832)}
This uncommon BCS endemic occurs mostly in the Cape region, but also in the s SGIG and around Bahia Concepción.
Ecoregions: GCD, GIG, CPL, CPM
PENINSULAR SANDMAT; GOLONDrina
Euphorbia peplus L.

*This rare non-native occurs in disturbed urban areas of nw BC in the vicinity of Ensenada.

Ecoregions: CSS; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, widespread in USA & Canada

Euphorbia petrina S. Watson

*This rare native annual prefers sandy dune habitats and occurs in extreme ne BC.

Ecoregions: LCD; Wider distrib.: SON, AZ, CA

Euphorbia platypsperma Engelm. ex S. Watson

*This rare non-native species occurs in disturbed areas of the SLL and in ruderal urban areas of BCS

Ecoregions: CPL, CPM; Wider distrib.: Native to West Indies & South America, introduced in SON, widespread in Mexico & USA, a weed of warm regions of the world

Euphorbia polycarpa Benth. var. crenulata (Rose) L.C. Wheeler

*This widespread & highly variable species has been recognized with many described varieties in our region, but many do not seem to be taxonomically important. In this treatment, we have recognized a few varieties in BCS that seem to have both geographic and morphologic distinctiveness but new data from Steinmann and his students may completely change this taxonomy.

Euphorbia polycarpa Benth. var. polycarpa
This uncommon native annual subspecies occurs most commonly in the SI & SSPM of n BC, but also ranges south as far as the MAG region of w BCS.

Ecoregions: CSS, CHA, CMT, CD, VD, MAG; Wider distr.: SON, SIN, CHH, widespread in USA & Canada

**Euphorbia setiloba** Torr.

[syn = Chamaesyce setiloba (Torr.) Millsp. ex Parish]

{BC: Moran 24777 (SD 98268); BCS: Sanders 7514 (SD 125975)}

This widespread annual occurs from ne BC south to the Cape region of BCS.

Ecoregions: CHA, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON, SIN, sw USA

YUMA SANDMAT, FRINGE SPURGE; GOLONDRINA

**Euphorbia spathulata** Lam.

{BC: Moran 28178 (SD 105059)}

This uncommon annual occurs in nw BC from the USA/Mexico border south to the vicinity of San Quintin.

Ecoregions: CSS, CHA, CSU; Wider distr.: SON, n Mexico, widespread in USA, South America

RETRICULATE-SEED SPURGE, WARTY SPURGE

**Euphorbia thymifolia** L.

[syn = Chamaesyce thymifolia (L.) Millsp., Euphorbia microphylla Lam.]

{BCS: Pérez Navarro 638 (SD 141175)}

This presumably native species is very rare in our region and has been documented at EL Mogote near La Paz in BCS. This specimen needs to be verified.

Ecoregions: GCD; Wider distr.: Native to SON, SIN, widespread in Mexico, West Indies, Central & South America, Asia, Africa, introduced in HI & other Pacific Islands

GULF SANDMAT; GOLONDRINA

**Euphorbia tomentulosa** S. Watson

[syn = Chamaesyce tomentulosa (S. Watson) Millsp.]

{BC: Moran 24781 (SD 98270); BCS: D.F. Howe 3735 (SD 60846)}

This widespread native shrub occurs throughout much of the peninsula from ne BC south to the Cape region and on various Gulf islands.

Ecoregions: CHA, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distr.: SON, SIN

SHRUBBY SANDMAT; RAIZ COLORADO

**Euphorbia trachysperma** Engelm.

[syn = Chamaesyce tachysperma (Engelm.) Millsp.]

{BC: Rehman 25184 (SD 223598); BCS: A. Carter 5315 (SD 120788)}

This uncommon native annual occurs mostly in the mountains of the central part of the peninsula from the SLIB in s BC south to the s SGI.

Ecoregions: CD, VD, GIG; Wider distr.: SON, SIN, AZ

SAN PEDRO RIVER SANDMAT

**Euphorbia vizcainensis** Maya Lastra & V.W. Steinm.

{BCS: Rehman 7765 (SD 205053)}

This recently described BCS endemic species occurs from the VPEN south to near Bahía de Magdalena. It is found near the BC/BCS border and could be expected in extreme s BC.

Ecoregions: VD, MAG

VIZCAINO SANDMAT

**Euphorbia xantii** Engelm.

{BC: Moran 16987 (SD 77068); BCS: Moran 20469 (SD 87186)}

This common native succulent shrub occurs on the peninsula from the vicinity of Santa Catarina in w BC south to the Cape region and also on a few adjacent Gulf islands.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON

BAJA CALIFORNIA SPURGE, XANTUS SPURGE; LIGA, JUMETÓN, RAMITA LECHOSA, PATA DE AURA


**Jatropha canescens** (Benth.) Müll. Arg

{BC: D.F. Howe 4144 (SD 113801); BCS: León de la Luz 1436 (SD 222496)}

This species has a strange distribution occurring in the Bahía de Magdalena area of BCS & also in Sinaloa north to AZ. The specimen from BC is verified by an expert but seems to be completely out of range & is questionable.

Ecoregions: CD, MAG; Wider distr.: SON, SIN, AZ

ARIZONA NETTLESPURGE, MAGDALENA ISLAND LOMBOY; LOMBOY BLANCO, SANGRENGADO, SANGRE DE DRAGO

**Jatropha cinerea** (Ortega) Müll. Arg

{BC: Turner 178 (SD 56590); BCS: Chambers 760 (SD 46853)}

This common shrub occurs from the CD region south to the Cape region & on various adjacent islands.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON, SIN, AZ

ASHY JATROPHA, LOMBOY, ASHY LIMBERBUSH; LOMBOY, SANGRENGADO, SANGRE DE DRAGO, LOMBOY BLANCO, TORITILLO

**Jatropha cuneata** Wiggins & R.C. Rollins

{BC: Turner 178 (SD 56590); BCS: Chambers 760 (SD 46853)}

This very rare BCS endemic occurs on sandy, low elevation habitats in the Los Cabos area.

Ecoregions: CPL

CAPE LOMBOY; LOMBOY BLANCO

**Jatropha moranii** B. Dehgan & G.L. Webster


BCS endemic.

{BCS: M. Domínguez L. 1104 (SD 148878)}

This very rare BCS endemic occurs only in a small area at Cabo San Lucas.

Ecoregions: CPL

MORAN’S LOMBOY

**Jatropha vernicosa** Brandegee

{BCS: A. Gilbert s.n., 2 Sep 1990 (SD 131239)}

This BCS endemic ranges from the SGUIAD south to the Cape region. This species is sometimes misidentified in collections as *J. cordata* which is not known from our region.

**Jatropha {BC: Moran 16987 (SD 77068); BCS: Moran 20469 (SD 87186)}**

This common native succulent shrub occurs on the peninsula from the vicinity of Santa Catarina in w BC south to the Cape region and also on a few adjacent Gulf islands.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON

BAJA CALIFORNIA SPURGE, XANTUS SPURGE; LIGA, JUMETÓN, RAMITA LECHOSA, PATA DE AURA


**Jatropha canescens** (Benth.) Müll. Arg

{BC: D.F. Howe 4144 (SD 113801); BCS: León de la Luz 1436 (SD 222496)}

This species has a strange distribution occurring in the Bahía de Magdalena area of BCS & also in Sinaloa north to AZ. The specimen from BC is verified by an expert but seems to be completely out of range & is questionable.

Ecoregions: CD, MAG; Wider distr.: SON, SIN, AZ

ARIZONA NETTLESPURGE, MAGDALENA ISLAND LOMBOY; LOMBOY BLANCO, SANGRENGADO, SANGRE DE DRAGO

**Jatropha cinerea** (Ortega) Müll. Arg

{BC: Turner 178 (SD 56590); BCS: Chambers 760 (SD 46853)}

This common shrub occurs from the CD region south to the Cape region & on various adjacent islands.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON, SIN, AZ

ASHY JATROPHA, LOMBOY, ASHY LIMBERBUSH; LOMBOY, SANGRENGADO, SANGRE DE DRAGO, LOMBOY BLANCO, TORITILLO

**Jatropha cuneata** Wiggins & R.C. Rollins

{BC: Turner 178 (SD 56590); BCS: Chambers 760 (SD 46853)}

This very rare BCS endemic occurs on sandy, low elevation habitats in the Los Cabos area.

Ecoregions: CPL

CAPE LOMBOY; LOMBOY BLANCO

**Jatropha moranii** B. Dehgan & G.L. Webster


BCS endemic.

{BCS: M. Domínguez L. 1104 (SD 148878)}

This very rare BCS endemic occurs only in a small area at Cabo San Lucas.

Ecoregions: CPL

MORAN’S LOMBOY

**Jatropha vernicosa** Brandegee

{BCS: A. Gilbert s.n., 2 Sep 1990 (SD 131239)}

This BCS endemic ranges from the SGUIAD south to the Cape region. This species is sometimes misidentified in collections as *J. cordata* which is not known from our region.
The image contains a page from an annotated checklist of vascular plants in Baja California, Mexico. The text is in Spanish and provides information on various plant species, including their scientific names, common names, distributions, and ecological details. The page also includes citations and references for the species listed. The text is well-structured, with clear headings and subheadings, making it easy to follow and understand the information provided.
**Fabaceae**


**Acacia goldmani** Britton & Rose

[In Wiggins as Acacia goldmani (Britton & Rose) Wiggins, Acacia macmurrayi Wiggins]

LC endemic.

{BC: Rebman 18709 (SD 200264); BCS: A. Carter 4965 (SD 68651)}

This shrub is endemic to our region and occurs from extreme s BC south to the Cape region and on various adjacent southern Gulf islands.

Ecoregions: CD, GCD, GIG, MAG, CPL, CPM

**Goldman Acacia; DAI, Frijolillo, Garbatilla**


**Acmispon americanus** (Nutt.) Rydb. var. americanus

[syn = Lotus parshianus Clem. & E.G. Clem., Lotus unifoliatus (Hook.) Benth.]

{BC: Moran 16329 (SD 75317)}

This uncommon native annual with pink & white flowers occurs in nw BC, especially in the western foothills of the SJ & SSPM.

Ecoregions: PI (Guadalupe)

{BC: Moran 15572 (SD 68440); BCS: H.S. Gentry 4279 (SD 200264); BCS: A. Carter 4965 (SD 68651)}

This shrub is endemic to our region and occurs from extreme s BC south to the Cape region and on various adjacent southern Gulf islands.

Ecoregions: CD, GCD, GIG, MAG, CPL, CPM

**Goldman Acacia; DAI, Frijolillo, Garbatilla**


**Acmispon argophyllus** (A. Gray) Brouillet var. argophyllus

[In Wiggins as Lotus argophyllus (A. Gray) Greene var. argophyllus; syn = Hosackia argophylla A. Gray]

Status in CFP: 2A.

{BC: Moran 15572 (SD 68440)}

This uncommon native species prefers rock outcrops & boulder habitats and occurs in nw BC in the SJ.

Ecoregions: CHA, CMT, CPM; Wider distrib.: CA

**Silver-Leaf Bird’s-Foot Trefoil**

**Acmispon argophyllus** (A. Gray) Greene var. ornithopus (Greene)?

[In Wiggins as Lotus argophyllus var. ornithopus (Greene) Ottley; syn = Hosackia argophyllus subsp. ornithopus (Greene) Ph. Raven, Hosackia orthophia Greene, Syrmatium ornithopus (Greene) Greene]

BC endemic.

{BC: Rebman 6769 (SD 154567)}

This rare BC endemic occurs only on Guadalupe Island and is sometimes lumped into var. argenteus (Dunkle) Brouillet of the California Channel Islands. Note that the nomenclatural combination for this infraspecies under Acmispon has not yet been formally published.

Ecoregions: PI (Guadalupe)

**Guadalupe Bird’s-Foot Trefoil**

**Acmispon argyreus** (Greene) Brouillet var. argyreus

[In Wiggins as Lotus argyreus (Greene) Greene var. argyreus; syn = Hosackia argyreus Greene, Lotus wrightii (A.Gray) D.D.Sokoloff var. multicaulis Ottley]

{BC: Moran 17730 (SD 75117); BCS: H.S. Gentry 4279 (MO 1159938)}

This native perennial occurs commonly in the SJ & SSPM and rarely on sky islands farther south on the peninsula such as the SBOR & SGIG.

Ecoregions: CHA, CMT; CD; Wider distrib.: CA

**Canyon Bird’s-Foot Trefoil**

**Acmispon brachycarpus** (Benth.) D.D. Sokoloff

[In Wiggins as Lotus humistratus Greene; syn = Hosackia brachycarpa Benth.]

Status in CFP: 2B.

{BC: Moran 20932 (SD 83881)}

This very rare species has only been collected once in our region which is the type specimen collected by Veatch in the 1880s at “Elide opposite Cedros Island.” This specimen comes from a tiny islet called Elide (Adelaida Island) just off of Punta Santa Rosalita.

Ecoregions: PI (Adelaida); Wider distrib.: CA (San Miguel Island)

**San Miguel Island Deerweed**

**Acmispon distichum** (Greene) Brouillet

[In Wiggins as Lotus distichus Greene; syn = Hosackia disticha Greene, Syrmatium distichum (Greene) Greene]

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 13994 (SD 64820)}

This BC endemic occurs on coastal dunes from the vicinity of Ensenada south to El Rosario.

Ecoregions: CSS, CSU

**Dune Bird’s-Foot Trefoil**

**Acmispon flexuosus** (Greene) Brouillet

[In Wiggins as Lotus cedrosensis Greene; syn = Ottleya cedrosensis (Greene) D.D. Sokoloff, Hosackia flexuosa Greene]

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 10777 (SD 53926)}

This BC endemic occurs only on Cedros Island.

Ecoregions: PI (Cedros)

**Cedros Bird’s-Foot Trefoil**

**Acmispon glaber** (Vogel) Brouillet var. brevialatus (Ottley) Brouillet

{syn = Lotus scoparius (Torr. & A. Gray) Ottley var. brevialatus Ottley, Lotus scoparius subsp. brevialatus (Ottley) Munz, Hosackia glabra (Vogel) Torr. var. brevialata (Ottley) Abrams}

{BC: Rebman 3142 (SD 139583); BCS: Moran 19910 (SD 92729)}

This common native variety occurs throughout most of nw BC, especially in the foothills & inland valleys and ranges south into the CD & VD regions. It is also disjunct in BCS to the Cape region where it is rare.

Ecoregions: CSS, CHA, CD, VD, CPL, CPM; Wider distrib.: AZ, CA

**Short-Wing Deerweed, Short-Wing Bird’s-Foot Trefoil**

**Acmispon glaber** (Vogel) Brouillet var. glaber

[In Wiggins as Lotus scoparius (Torr. & A. Gray) Ottley var. scoparius; syn = Hosackia glabra (Vogel) Torr.]

{BC: Rebman 5100 (SD 144271)}

This common native variety occurs along the Pacific coast and in the lower foothills of nw BC and rarely in the CD.
Acmispon grandiflorus (Benth.) Brouillet var. grandiflorus
[In Wiggins as Lotus grandiflorus (Benth.) Greene; syn = Hosackia leucophaea (Greene) Abrams, Lotus grandiflorus (Benth.) Greene var. mutabilis Ottley, Hosackia grandiflora Benth.]
Status in CFP: 3.
{BC: Moran 23324 (SD 96982)}
This rare native species occurs mostly on clay soils in nw BC and on Guadalupe Island.
Ecoregions: CSS, CHA, PI (Guadalupe); Wider distrib.: CA CHAPAALI/GRAND BIRD’S-FOOT TREFOIL.

Acmispon haydonii (Orcutt) Brouillet
[In Wiggins as Lotus haydonii (Orcutt) Greene; syn = Hosackia haydonii Orcutt]
Status in CFP: 2A; Listed: CNPS 1B.3.
{BC: Rebman 3803 (SD 140420)}
This rare native perennial is known mostly from extreme n BC in the vicinity of La Rumorosa, but specimens collected in disjunct populations in the western foothills of the SSPM seem to match this rare species as well.
Ecoregions: CSS, CHA, LCD; Wider distrib.: CA (extreme s San Diego & Imperial counties)
HAYDON/ROCK BIRD’S-FOOT TREFOIL.

Acmispon heermannii (Durand & Hilg.) Brouillet var. heermannii
[In Wiggins as Lotus heermannii (Durand & Hilg.) Greene]
{BC: Moran 16659 (SD 73070)}
This uncommon native occurs in nw BC.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA HEERMANN BIRD’S-FOOT TREFOIL.

Acmispon maritimus (Nutt.) D.D. Sokoloff var. brevivexillus (Ottley) Brouillet
[In Wiggins as Lotus saluginosus Greene var. brevivexillus Ottley (misspelled as “saluginosus”); syn = Lotus saluginosus subsp. brevivexillus (Ottley) Munz, Hosackia humilis (Greene) Abrams, Lotus humilis Greene]
Status in CFP: 4.
{BC: Moran 20007 (SD 88944); BCS: Moran 19784 (SD 92775)}
This native annual occurs mostly in desert regions of BC & extreme n BC, but also rarely in CSU and on Cedros, San Benitos, & Natividad islands.
Ecoregions: CSU, PI, LCD, CD, WD, GCD; Wider distrib.: SON, AZ, CA, NV HUMILE BIRD’S-FOOT TREFOIL.

Acmispon maritimus (Nutt.) D.D. Sokoloff var. maritimus
[In Wiggins as Lotus saluginosus Greene var. saluginosus (misspelled as “saluginosus”); syn = Hosackia maritima Nutt.]
Status in CFP: 2B.
{BC: Moran 26578 (SD 101541)}
This rare native annual occurs in extreme nw BC along the coast and lower foothills.
Ecoregions: CSS, CSU, CD; Wider distrib.: CA ALKALI BIRD’S-FOOT TREFOIL.

Acmispon micranthus (Torr. & A. Gray) Brouillet
[In Wiggins as Lotus hamatus Greene; syn = Hosackia micrantha Torr. & A. Gray, Syrmatium micranthum (Torr. & A. Gray) Greene]
{BC: Moran 21031 (SD 83879); BCS: León de la Luz 3232 (HCIB 14697)}
This native annual occurs commonly in nw BC and ranges south into the CD on sky islands as far south as the SSF of n BCS.

Acmispon nevadensis (S. Watson) Brouillet
[In Wiggins as Lotus nevadensis (S. Watson) Greene; syn = Hosackia nevadensis (S. Watson) Parish var. nevadensis]
Status in CFP: 2B.
{BC: Moran 14138 (SD 79531)}
This uncommon native occurs at higher elevations in the SJ & SSPM of nw BC.
Ecoregions: CHA, MCT; Wider distrib.: w USA, w Canada NEVADA BIRD’S-FOOT TREFOIL.

Acmispon niveus (S. Watson) Brouillet
[In Wiggins as Lotus niveus (S. Watson) Brandegee, Hosackia nivea S. Watson ot H. nivea Greene, Ottleya nivea (S. Watson) D.D. Sokoloff]
{BC: Moran 21803 (SD 94494); BCS: Moran 20027 (SD 92730)}
This coastal species is endemic to our region & occurs on sandy substrates along the Pacific coast from San Quintín south to Bahía de Magdalena. This species is slightly different in Bahía de Magdalena and may represent an undescribed taxon.
Ecoregions: CSU, PI, CD, WD, MAG BAJA CALIFORNIA BIRD’S-FOOT TREFOIL.

Acmispon nudatus (Greene) Brouillet
[In Wiggins as Lotus nudatus (Greene) Greene; syn = Syrmatium nudatum Greene]
LC endemic. Status in CFP: 1B, 7.
{BC: Oberbauer s.n., 13 Apr 1983 (SD 127710)}
This rare species is endemic to our region and occurs mostly on Cedros Island and rarely on the adjacent VPEN.
Ecoregions: PI (Cedros), VD VIZCAINO BIRD’S-FOOT TREFOIL.

Acmispon oroboides (Kunth) Brouillet var. plebeius (Brandegee) ?
[In Wiggins as Lotus oroboides (Kunth) Kearney & Peebles var. oroboides; syn = Hosackia plebeia Brandegee, Lotus plebeius (Brandegee) Barneby, Ottleya oroboides (Kunth) D.D. Sokoloff sensu latro]
LC endemic.
{BC: Moran 20584 (SD 87298); BCS: Moran 20444 (SD 87295)}
This rare variety is endemic to our region and occurs in the SASAM, SBR, & SLIB of s BC and on V3V in n BCS. More taxonomic research is needed on this species complex to more accurately determine the relationships of these varieties in our region. Note that the nomenclatural combination for this infraspecies under Acmispon has not yet been formally published.
Ecoregions: CD BAJA CALIFORNIA BIRD’S-FOOT TREFOIL.

Acmispon oroboides (Kunth) Brouillet var. ramulosus (M.E. Jones) ?
[In Wiggins as Lotus oroboides (Kunth) Kearney & Peebles var. ramulosus (M.E. Jones) Ottley; syn = Lotus ramulosus M.E. Jones] BCS endemic.
{BCS: M. Domínguez L. 4069 (SD 188583)}
This rare BCS endemic variety occurs in the SLL. Note that the nomenclatural combination for this infraspecies under Acmispon has not yet been formally published.
Ecoregions: CPM LAGUNA BIRD’S-FOOT TREFOIL.
**Acmispon prostratus** (Nutt. ex Torr. & A. Gray) Brouillet

[In Wiggins as Lotus nuttallianus Greene; syn = Hosackia prostrata Nutt., Syrmatium prostratum (Nutt.) Greene, Hosackia palmeri Vasey & Rose]

Status in CFP: 1B, 6.

{BC: Moran 23982 (SD 97305)}

*This uncommon native species prefers coastal dunes and occurs in nw BC from the USA/Mexico border south to Punta Baja near El Rosario.*

Ecoregions: CSS, CSU; Wider distrib.: CA

**Nuttall/Wire Bird’s-Foot Trefoil**

**Acmispon rigidus** (Benth.) Brouillet

[In Wiggins as Lotus rigidus (Benth.) Greene; syn = Hosackia rigida Benth., Ottleya rigidida (Benth.) D.D. Sokoloff]

{BC: Moran 14560 (SD 68183); BCS: Moran 11652 (SD 59486)}

*This native species occurs throughout most of BC and is common in the CD region. It ranges as far south as V3 in n BC.*

Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD; Wider distrib.: SON, SW USA

**Broom Bird’s-Foot Trefoil, Desert Rock-Pea**

**Acmispon strigosus** (Nutt.) Brouillet

[In Wiggins as Lotus strigosus (Nutt.) Greene var. strigosus, Lotus strigosus var. hirtellus (Greene) Ottley, Lotus tomentellus Greene; syn = Hosackia strigosa Nutt., Lotus strigosus var. tomentellus (Greene) Isely]

{BC: Moran 16410 (SD 75356); BCS: Moran 20402 (SD 87183)}

*This common and variable species occurs throughout most of BC and on adjacent Pacific & Gulf islands. It also ranges south into extreme n BC and is rare in the SLL of the Cape region.*

Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, GCD, CPM; Wider distrib.: SON, SW USA

**Bishop’s/Strigose Bird’s-Foot Trefoil, Hairy Bird’s-Foot Trefoil**

**Acmispon utahensis** (Ottery) Brouillet

{BC = Lotus utahensis Ottery}

Status in CFP: 2B.

{BC: Moran 14122 (SD 79499)}

*This uncommon native species occurs at higher elevations in the SJ & SSPM of nw BC.*

Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, GCD, CPM; Wider distrib.: SON, SW USA

**Utah Bird’s-Foot Trefoil**

**Acmispon watsonii** (Vasey & Rose) ??

{syn = Syrmatium watsonii (Vasey & Rose) Brand, Lotus watsonii (Vasey & Rose) Greene, Hosackia watsonii Vasey & Rose}

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 19345 (SD 84643)}

*This rare BC endemic occurs along the immediate Pacific coast from the vicinity of Ensenada to El Rosario and on San Martín & Todos Santos islands. Note that the nomenclatural combination for this species under Acmispon has not yet been formally published.*

Ecoregions: CSS, CSU, PI (Todos Santos, San Martín)

**Watson Bird’s-Foot Trefoil**

**Acmispon wrangelianus** (Fisch. & C.A. Meyer) D.D. Sokoloff

{syn = Lotus wrangelianus Fisch. & C.A. Meyer}

Status in CFP: 2B.

{BC: Moran 27129 (SD 102349)}

*This very rare native species is only known from a couple of specimens in our region in the n SJ & near Santo Tomás in nw BC.*

Ecoregions: CSS, CMT; Wider distrib.: CA, NV, OR

**Calf Bird’s-Foot Trefoil**

**Aeschynomene nivea** Brandegee

LC endemic.

{BC: Moran 11575 (SD 59869); BCS: Burgess 6123 (SD 116936)}

*This woody perennial is endemic to our region and occurs most commonly along the Gulf coast & on adjacent islands in BCS & is rare in extreme s BC.*

Ecoregions: GCD, GIG, MAG, CPL

**Baja California Jointvetch**

**Aeschynomene vigil** Brandegee


BCS endemic.

{BC: A. Gilbert s.n., 31 Aug 1990 (SD 131257)}

*This BCS endemic woody perennial occurs throughout much of the Cape region of BCS.*

Ecoregions: CPL

**CAPE JOINTVETCH**

**Albizia sinaloënsis** Britton & Rose

{BCS: M. Domínguez L. 33 (HCIB 2935)}

*This rare species is questionably native and all specimens from the Cape region need to be verified.*

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN

**Sinaloa Albizia; Palo Joso**


**Amorpha apiculata** Wiggins

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 21331 (SD 88065)}

*This BC endemic shrub occurs in the SSPM and its foothills west to San Quintín.*

Ecoregions: CSU, CHA, CMT

**Baja California False-Indigo**

**Amorpha californica** Nutt. var. californica

{BC: Rehman 5456 (SD 144197)}

*This native shrub occurs mostly in the SJ & SSPM of n BC.*

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

**California False-Indigo**

**Amorpha fruticosa** L.

[In Wiggins as Amorpha fruticosa var. occidentalis (Abrams) Kearney]

{BC: Moran 14980 (SD 67068)}

*This uncommon native shrub occurs in extreme nw BC in the SJ & along the coast north of Colonet.*

Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: SON, CHH, widespread in USA, e Canada

**False-Indigo**

**Astragalus acutirostris** S. Watson

Status in CFP: 2B.

{BC: Moran 26589 (SD 102508)}

*This rare native annual occurs in the SJ & in the CD of BC.*

Ecoregions: CHA, CMT, CD; Wider distrib.: AZ, CA, NV

**Sharp-Keel Milkvetch, Keel-Back Locoweed**

**Astragalus anemophilus** Greene

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 25355 (SD 101330)}
This rare BC endemic occurs on coastal dunes in the vicinity of San Quintín.
Ecoregions: CSU
SAN QUINTIN DUNE MILKVETCH

*Astragalus anemophilus × A. fastidius*
BC endemic.
{BC: Moran 28064 (SD 104912)}
This rare interspecific hybrid occurs along the immediate Pacific coast south of San Quintin.
Ecoregions: CSU
HYBRID DUNE MILKVETCH

*Astragalus circumdatus* Greene
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 21086 (SD 84570)}
This uncommon BC endemic occurs in the higher elevations of the SJ & SSPM in n BC.
Ecoregions: CMT
BAJA CALIFORNIA MOUNTAIN MILKVETCH

*Astragalus coccineus* Brandegee
Status in CFP: 2B.
{BC: Moran 24068 (SD 97158)}
This uncommon BC endemic occurs throughout much of the CD region of BC and should be expected in ne BC.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: CA, NV
SCARLET MILKVETCH

*Astragalus didymocarpus* Hook. & Arn. var. didymocarpus
{syn = Astragalus catalinensis Nutt., Astragalus didymocarpus var. daleoides Barneby}
Status in CFP: 1B.
{BC: Moran 25850 (SD 100644)}
This rare native annual occurs in nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: Az, CA, NV
WHITE DWARF MILKVETCH

*Astragalus didymocarpus* Hook. & Arn. var. dispermus (A. Gray) Jeps.
{syn = Astragalus dispermus A. Gray}
{BC: Moran 20385 (SD 87137)}
This uncommon native annual occurs throughout much of the CD region of BC and should be expected in ne BC.
Ecoregions: CD; Wider distrib.: SON, AZ, CA, NV
DESERT DWARF MILKVETCH

*Astragalus didymocarpus* Hook. & Arn. var. obispoensis (Rydb.) Jeps.
{syn = Astragalus obispoensis (Rydb.) Jeps.}
Status in CFP: 4.
{BC: Moran 27474 (SD 103490)}
This uncommon native occurs mostly in the foothills and mountains of the SJ & SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
LARGE-FLOWER DWARF MILKVETCH

*Astragalus douglasii* (Torr. & A. Gray) A. Gray var. *glaberrinus* M.E. Jones
BC endemic. Status in CFP: 1B, 7.
{BC: Moran 23448 (SD 96945)}
This BC endemic variety occurs from the western side of the SSPM south into the sky islands of the CD as far south at the SASAM.
Ecoregions: CSS, CHA, CSU, CD
SOUTHERN DOUGLAS MILKVETCH

*Astragalus douglasii* (Torr. & A. Gray) A. Gray var. *parishii* (A. Gray) M.E. Jones
{syn = Astragalus parishii A. Gray, Phaca topoensis Rydb.}
Status in CFP: 2A.
{BC: Moran 18525 (SD 84715)}
This rather common variety occurs in the mountains and western foothills of the SJ & SSPM in n BC.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: CA
PARISH MILKVETCH

*Astragalus douglasii* (Torr. & A. Gray) A. Gray var. *perstrictus* (Rydb.) Munz & McBurney
{syn = Astragalus parishii A. Gray subsp. perstrictus (Rydb.) Abrams}
Status in CFP: 1B, 6; Listed: CNPS 1B.2.
{BC: Moran 27720 (SD 103171)}
This uncommon native occurs in the mountains and western foothills of the SJ, mostly near the USA/Mexico border.
Ecoregions: CHA, CMT; Wider distrib.: CA
JACUMBA MILKVETCH

*Astragalus fastidius* (Kellogg) M.E. Jones
{BC: Moran 28067 (SD 104913)}
This rather common BC endemic occurs along the Pacific coast from the vicinity of San Quintin south to near Guerrero Negro and on Cedros Island.
Ecoregions: CSS, PI (Cedros), CD, VD
VIZCAYNO MILKVETCH

*Astragalus filipes* A. Gray
{syn = Astragalus filipes var. residuus Jeps., Astragalus stenophyllus Torr. & A. Gray, Astragalus stenophyllus Torr. & A. Gray var. filipes (Torr. ex A. Gray) Tidestr.}
Status in CFP: 2B.
{BC: Moran 28914 (SD 105493)}
This rare species occurs in the higher elevations of the SJ in n BC.
Ecoregions: CMT; Wider distrib.: w USA, w Canada
BAZALT MILKVETCH

*Astragalus francisquitensis* M.E. Jones
{syn = Astragalus lagunensis M.E. Jones, Astragalus francisquitensis subsp. lagunensis (M.E. Jones) M.E. Jones}
BCS endemic.
{BCS: Moran 7291 (SD 63847)}
This rare BCS endemic occurs in the foothills and mountains of the SLL.
Ecoregions: CPL, CPM
CAPE MILKVETCH

*Astragalus gambelianus* E. Sheld.
{syn = Astragalus gambelianus subsp. elmeri (Greene) Abrams}
Status in CFP: 2A.
{BC: Moran 26888 (SD 102505)}
This rare native annual occurs mostly in nw BC, but also rarely in the n CD.
Ecoregions: CHA, CSU, CD; Wider distrib.: CA, OR
GAMBELE DWARF MILKVETCH, GAMBELE LOCOWEED

*Astragalus gruinus* Barneby
BC endemic. Status in CFP: 1B, 7.
{BC: Moran 14133 (SD 79729)}
This BC endemic species occurs mostly in the higher elevations of the SSPM, rarely in the western drainages of this sierra, & is also known from the SASAM in c BC.
Astragalus harbisonii Barneby
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 21769 (SD 91161)}
This rare & localized BC endemic occurs along the coast from the vicinity of San Quintín to Punta Baja near El Rosario.
Ecoregions: CSU
PUNTA BAJA MILKVETCH

Astragalus hornii A. Gray var. minutiflorus M.E. Jones
[syn = Astragalus bajaensis E. Sheld., Astragalus miserandus Greene]
LC endemic. Status in CFP: 1B, 7.
{BC: Moran 29432 (SD 106384); BCS: Moran 20095 (SD 92375)}
This rare endemic to our region occurs mostly in salty flats near the Pacific coast in the vicinity of San Quintín of BC and Bahía de Magdalena of BCS. Note that a specimen collected by Wiggins at a spring at Los Pozos in the n SSPM may represent a new variety of A. hornii, but more material is needed.
Ecoregions: CSU, MAG
SOUTHERN HORN MILKVETCH

Astragalus idrietorum Barneby
BC endemic.
{BC: Moran 10335 (SD 54443)}
This uncommon BC endemic species occurs mostly in the c & n CD and also in the extreme s LCD.
Ecoregions: LCD, CD
CENTRAL DESERT MILKVETCH

Astragalus insularis Kellogg var. harwoodii Munz & McBurney
[syn = Astragalus harwoodii (Munz & McBurney) Abrams]
{BC: Moran 10471 (SD 54439)}
This rare variety occurs in extreme ne BC & on Angel de la Guarda & San Lorenzo islands.
Ecoregions: LCD, CD; Wider distrib.: SON, AZ, CA
HARWOOD MILKVETCH, HARWOOD RATTLEWEED, SAND MILKVETCH

Astragalus insularis Kellogg var. insularis
[syn = Astragalus pondii Greene]
{BC: Moran 12835 (SD 65425); BCS: Moran 19798 (SD 92311)}
This variety is endemic to our region and occurs in the southern one-third of BC, n BCS, on Cedros & San Lorenzo islands.
Ecoregions: PI, CD (Cedros), VD, GIG
CEDROS MILKVETCH

Astragalus insularis Kellogg var. quentinus M.E. Jones
[In Wiggins as Astragalus insularis var. quintinensis M.E. Jones (spelling variant)]
BC endemic. Status in CFP: 1B, 7.
{BC: Moran 16939 (SD 77130)}
This BC endemic variety occurs from the vicinity of San Quintín s into the nw CD region.
Ecoregions: CSU, CD
SAN QUINTÍN MILKVETCH

Astragalus insularis hybrid Kellogg
BC endemic.
{BC: Moran 17260 (SD 77132)}
This is a rare intermediate/hybrid between var. insularis & var. harwoodii that occurs in the sw CD region.
Ecoregions: CD
HYBRID CEDROS MILKVETCH

Astragalus magdalenae Greene var. magdalenae
[syn = Astragalus candidissimus (Benth.) S. Watson]
LC endemic.
{BC: Moran 12347 (SD 65412); BCS: Moran 19718 (SD 92407)}
This variety is endemic to our region and occurs mostly on sand dunes in BCS, but also on the Gulf coast near San Francisco, the Pacific coast near El Tomatal in s BC and on Natividad Island. Reports from Sonora are likely var. niveus.
Ecoregions: PI (Natividad), CD, VD, GCD, MAG
DUNE MILKVETCH, MAGDALENA MILKVETCH

Astragalus magdalenae Greene var. niveus (Ryd.) Barneby
{BC: Moran 12388 (SD 65410)}
This variety occur mostly in n BC on sand dunes near San Quintín on the Pacific coast and along the Gulf coast north of Bahía San Luis Gonzaga.
Ecoregions: CSU, LCD, CD; Wider distrib.: SON
SATINY MILKVETCH

Astragalus moranii Barneby
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 22987 (SD 95497)}
This rare and restricted BC endemic species occurs in the s SJ of n BC.
Ecoregions: CHA, CMT
MORAN MILKVETCH

Astragalus nutfallianus DC. var. austinus (Small) Barneby
{BC: Rehman 9937 (SD 157359); BCS: Henrickson 9024 (SD 115864)}
This rare variety occurs in the SLIB of s BC and in the SSF & V3V of n BCS.
Ecoregions: CD, VD; Wider distrib.: SON, n Mexico, sw USA
SMALL-FLOWER MILKVETCH

Astragalus nutfallianus DC. var. cedrosensis M.E. Jones
[syn = Astragalus pertenuis Greene]
Status in CFP: 2B.
{BC: Moran 12599 (SD 65424); BCS: Moran 19928 (SD 92301)}
This common variety occurs from the vicinity of San Quintín s through the CD into n BCS, on Cedros & Natividad islands, and in ne BC.
Ecoregions: CSU, PI (Cedros, Natividad), LCD, CD, VD, GCD;
Wider distrib.: SON, AZ, CA
SCAMMON MILKVETCH

Astragalus nutfallianus DC. var. imperfectus (Ryd.) Barneby
{BC: Moran 20260 (SD 92377)}
This variety is rather rare in BC and occurs in the vicinity of San Quintin, in the n CD, and into ne BC.
Ecoregions: CSU, LCD, CD; Wider distrib.: SON, AZ, CA, NV, UT
TURKEYPEAS

Astragalus orcuttianus S. Watson
{BC: C.F. Harbison s.n., 31 Mar 1953 (SD 45149)}
This BC endemic species occurs along the eastern side of the Pen-insular Ranges from Tajo Canyon on the east side of the SJ south to the SLIB in s BC.
Ecoregions: LCD, CD
ORCUTT MILKVETCH
Astragalus oxyphyus Barneby
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 23095 (SD 95602)}
This rare and restricted BC endemic species occurs on the lower western foothills of the SSPM in the vicinity of San Telmo.
Ecoregions: CHA, CSU
San Telmo Milkvetch

Astragalus oxyphyus A. Gray
Status in CFP: 2A.
{BC: Moran 28353 (SD 105048)}
This species is questionably native in our region and may only represent a waif from CA.
Ecoregions: CHA; Wider distrib.: CA

Astragalus palmeri A. Gray
{In Wiggins as Astragalus palmeri var. palmeri, Astragalus palmeri var. johnstonii (Munz & McBurney) Barneby; syn = Astragalus vaseyi S. Watson, Astragalus metanus M.E. Jones, Astragalus vaseyi S. Watson var. johnstonii Munz & McBurney}
{BC: Moran 20783 (SD 88710); BCS: Scott D. White 6181 (RSA 639438)}
This common species occurs in n BC and on sky islands as far south as the SSF of n BCS.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: AZ, CA
Mt. Diablo Milkvetch, Stanislaus Milkvetch

Astragalus piscinus M.E. Jones
{syn = Astragalus douglasii (Torr. & A. Gray) A. Gray var. piscinus (M.E. Jones) M.E. Jones, Astragalus crotalariae (Benth.) Torr. var. piscinus (M.E. Jones) Jeps., Phaca piscina (M.E. Jones) Rydb.}
{BCS: E. Palmer 776 (US 125602)}
This very rare BCS endemic is only known from the type specimen collected in March 1889 at “Lagoon Head” near Scammon’s Lagoon.
Ecoregions: VD
Lagoon Milkvetch

Astragalus pomonensis M.E. Jones
Status in CFP: 2A.
{BC: Moran 22905 (SD 96721)}
This uncommon species occurs in nw BC between Ojos Negros and Colonet.
Ecoregions: CSS, CHA; Wider distrib.: CA
Pomona Milkvetch

Astragalus prorifer M.E. Jones
{syn = Astragalus julianus M.E. Jones}
{BC: Moran 25066 (SD 98532); BCS: Moran 20498 (SD 87135)}
This species is endemic to our region and occurs mostly in the foothills of the SSPM, but also in San Matías Pass and on various sky islands south to the SSF & V3V in n BCS.
Ecoregions: CSS, CHA, CSU, LCD, CD, VD
Purple Mountain Milkvetch

Astragalus sanctorum Barneby
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 15929 (SD 73635)}
This rare and restricted BC endemic species occurs only on Punta Banda south of Ensenada in nw BC.
Ecoregions: CSS
Punta Banda Milkvetch

Astragalus trichopodus (Nutt.) A. Gray var. lonchus (M.E. Jones) Barneby
{In Wiggins as Astragalus trichopodus no var.; syn = Astragalus leucopsis (Torr. & A. Gray) Torrey, Phaca encenadae Rydb.}
{BC: Moran 23104 (SD 95634)}
This common species occurs mostly in nw BC and on Los Coronados & Todos Santos islands, but rarely in the n portion of the CD.
Ecoregions: CSS, CHA, CMT, CSU, PI (Coronados, Todos Santos), CD; Wider distrib.: CA
Ocean Milkvetch

Bauhinia peninsularis Brandegee
BCS endemic.
{BCS: Turner 273 (SD 65686)}
This uncommon BCS endemic occurs only in the Cape region of BCS.
Ecoregions: CPL
Baja California Bauhinia; Pata de Cabra

Brongniartia trifoliata Brandegee
BCS endemic.
{BCS: A. Carter 3407 (SD 49023)}
This uncommon BCS endemic occurs in the SLL and the lowlands of the Cape region.
Ecoregions: CPL, CPM
Cape Greentwig

Caesalpinia arenosa Wiggins
{BCS: Reeder 6779 (SD 101467)}
This common BCS endemic occurs from near La Purísima south to the Cape region and on Espiritu Santo Island in the Gulf. The voucher from s BC is from a naturalized plant along Hwy. 1.
Ecoregions: WD, GCD, GIG, MAG, CPL
Sand Caesalpinia; Barba de Gallo, Palo Estaca

Caesalpinia californica (A. Gray) Standl.
{syn = Caesalpinia mexicana A. Gray var. californica A. Gray}
BCS endemic.
{BC: Rebmam 7102 (SD 159010); BCS: Moran 20079 (SD 92714)}
This uncommon BCS endemic shrub occurs from near La Purísima south to the Cape region and on Espíritu Santo Island in the Gulf. This uncommon BCS endemic occurs only in the Cape region of BCS.
Ecoregions: VD, GCD, GIG, MAG, CPL
Baja California Caesalpinia; Barba de Gallo, Palo Estaca

*Caesalpinia gilliesii (Hook.) D. Dietr.
{syn = Poinciana gilliesii Wallich ex Hook.}
{BC: Moran 22479 (SD 91620)}
This non-native shrub is commonly planted as an ornamental in our region and is known to naturalize rarely in nw BC near Santo Tomás.
Ecoregions: CSS, Wider distrib.: Native to South America, introduced in SON, scattered in Mexico, sw USA
Bird-of-Paradise Shrub; Mal de Ojo, Tabachín

*Caesalpinia gilliesii (Hook.) D. Dietr.
{syn = Poinciana gilliesii Wallich ex Hook.}
{BC: Moran 22479 (SD 91620)}
This non-native shrub is commonly planted as an ornamental in our region and is known to naturalize rarely in nw BC near Santo Tomás.
Ecoregions: CSS, Wider distrib.: Native to South America, introduced in SON, scattered in Mexico, sw USA
Bird-of-Paradise Shrub; Mal de Ojo, Tabachín

*Caesalpinia gilliesii (Hook.) D. Dietr.
Caesalpinia pannosa Brandegee
BCS endemic.
{BCS: Gould 11844 (SD 632144)}
This BCS endemic shrub occurs from near Comondú and Loreto south to the southern Cape region.
Ecoregions: GCD, GIG, MAG, CPL, CPM
Peninsular Caesalpinia; Palo Estaca, Gallinita, Frijolillo

Caesalpinia placida Brandegee
BCS endemic.
{BCS: Zippin 30 (SD 132115)}
This uncommon BCS endemic species occurs from near Loreto south to the vicinity of La Paz.
Ecoregions: GCD, GIG, MAG

Caesalpinia pulcherrima (L.) Sw.
{BCS: T.S. Brandege e s.n., 3 Sep 1890 (DS 37501)}
This non-native species is commonly planted as an ornamental and is known to rarely naturalize in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: Probably native to tropical & subtropical Americas; exact origin unknown; putatively native to SON, SIN, widespread in Mexico, Central America, introduced in sw USA & FL.
Red Bird-of-Paradise, Poinciana, Peacock Flower; Tabachín, Barba del Sol

*Cajanus cajan* (L.) Millsp.
{BCS: R. Domínguez C. 412 (HCIB 1667)}
This non-native species is planted in the Cape region and possibly naturalizes in that region of BCS.
Ecoregions: CPL; Wider distrib.: Native to Old World, naturalized in JAL, MIC, NAY, FL.
Pigeon-Pea; Frijol De Arbol


Calliandra californica Benth.
{BC: Moran 19518 (SD 84474); BCS: Moran 19676 (SD 92496)}
This native shrub is very common throughout most of the peninsula south of the vicinity of El Rosario and on various southern Gulf islands.
Ecoregions: CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON Red Fairy Duster; Tabardillo, Tabachín, Chuparosa, Cabello de Angel

Calliandra eriophylla Benth.
Status in CFP: 2B; Listed: CNPS 2B.3.
{BC: Moran 26945 (SD 102520); BCS: R. Domínguez C. 2326 (HCIB 15871)}
This uncommon shrub occurs disjunctly in the SJ of n BC and in BCS in the vicinity of Bahía de Magdalena & the ne Cape region.
Ecoregions: CMT, LCD, MAG, CPL; Wider distrib.: SON, SIN, widespread Mexico, sw USA
Pink Fairy Duster; Cabeza de Angel, Huailllo, Tabardillo

Calliandra peninsularis Rose
[In Wiggins as Calliandra brandegeei (Britton & Rose) Gentry; syn = Calliandra laguanae Britton & Rose]
BCS endemic.
{BCS: Rebm an 5772 (SD 143124)}
This BCS endemic occurs in the Cape region. Plants similar to this species occur in the SGUAD and may represent a new taxon.

Ecoregions: CPL, CPM
Peninsular FairyduSter; Tabardillo de la Sierra, Zapotillo, Cabello de Angel, Tabardillo, Chuparosa

Chamaecrista absus (L.) Irwin & Barneby var. meonandra (Irwin & Barneby) Irwin & Barneby
{BCS: Rebm an 5753 (SD 143123)}
This rare native variety occurs mostly in the SLL & on the western side of the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, JAL, NAY, AZ, Central America
Tropical Sensitive-Pea

Chamaecrista nictitans (L.) Moench var. mensalis (Greenn.) Irwin & Barneby
{BCS: Rebm an 18698 (SD 200265); BCS: D.F. Howe 4418 (SD 807911)}
This uncommon native species occurs on sky islands from the SLIB of s BC through all of BCS to the Cape region.
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, c & n Mexico, AZ, NM, TX
Sensitive Partridge-Pea


Chloroleucon mangense (Jacq.) Britton & Rose var. leucospermum (Brandegee) Barneby & J.W. Grimes
{BCS: Rebman 3862 (SD 145388)}
This uncommon tree occurs in the Cape region of BCS.
Clitoria monticola
Brandegee
BCS endemic.

This rare BCS endemic occurs at higher elevations in the SLL of the Cape region.
Ecoregions: CPM

La Laguna Pigeonwings

Cologania cf. angustifolia Kunth

This rare species has only been collected once with a sterile specimen and more collections are needed to verify its identity.
Ecoregions: CPM; Wider dist.: SON, SIN, widespread in Mexico, AZ, NM, TX

Long-Leaf Cologania

Conzattia multiflora (B.L. Rob.) Standl.
[syn = Conzattia sericea Standl., Conzattia arborea Rose]

This rare species occurs in the SLL of the Cape region of BCS.
Ecoregions: CPM; Wider dist.: SON, SIN, COL, JAL, MIC, OAX, PUE

Many-Flower Conzattia; Palo Liso


Coursetia caribaea (Jacq.) Lavin var. caribaea

[In Wiggins as Benthamantha brandegeei Rydb.; syn = Benthamantha caribaea (Jacq.) Kunth, Cracca aletes Standley & Steyermark]

This uncommon species occurs in BCS in the SGUAD and in the Cape region.
Ecoregions: CPM; Wider dist.: SON, SIN, COL, JAL, MIC, OAX, PUE

BCS endemic.

Manzana

Coursetia glandulosa A. Gray

[syn = Coursetia microphylla A. Gray]

This native shrub occurs in the SGUAD and in the Cape region of BCS.
Ecoregions: GIG, CPL, CPM; Wider dist.: SON, SIN, widespread in Mexico, AZ

Rosary Baby-Bonnets; Sanbo, Sambo, SanboPrieta, Samota


Crotalaria incana L.

[In Wiggins as Crotalaria angulata Mill. misappl.]

This native species occurs in the higher elevations of the SLL of BCS. Plants identified as this species in our region are prostrate to spreading and have smaller fruits than C. sagittalis, but more taxonomic work is needed.
Ecoregions: CPM; Wider dist.: SON, SIN, widespread in Mexico, AZ, FL, NM, TX, UT, West Indies, South America

Low Rattlebox; Cascabelito, Chipil

Crotalaria rotundifolia J.F. Gmel. var. vulgaris Windler

[In Wiggins as Crotalaria angulata Mill. misappl.]

This rare native species occurs in the higher elevations of the SLL of BCS. Plants identified as this species in our region are prostrate to spreading and have smaller fruits than C. sagittalis, but more taxonomic work is needed.
Ecoregions: CPM; Wider dist.: SON, SIN, widespread in Mexico, AZ, FL, NM, TX, UT, West Indies, South America

Low Rattlebox, Rabbitbells

Crotalaria sagittalis L.

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins, Dalea seemannii S. Watson subsp. seemannii misappl.; syn = Parosela megalostachya Rydb.]

This wide-ranging near-endemic to the peninsula is highly variable and occurs from the vicinity of San Matías Pass south to the Cape region. Specimens from the central peninsula with large, cone-like inflorescences are called forma megalostachya.
Ecoregions: CHA, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider dist.: SON

Orcutt Dalea; Pasta de Borrego, Engordacabra

Dalea bicolor Willd. var. orcuttiana Barneby

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins, Dalea seemannii S. Watson subsp. seemannii misappl.; syn = Parosela megalostachya Rydb.]

This form with large, dense flowering inflorescences occurs from the vicinity of San Ignacio south to the S SGIG. It may not represent a good taxon, but more work is needed to be sure.
Ecoregions: VD, GIG

Large-Flower Orcutt Dalea; Pasta de Borrego

Dalea bicolor Willd. var. f. megalostachya Barneby

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins; syn = Dalea bicolor var. orcuttiana f. megalostachya (Rydb.) Barneby]

BCS endemic.

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins, Dalea seemannii S. Watson subsp. seemannii misappl.; syn = Parosela megalostachya Rydb.]

This form with large, dense flowering inflorescences occurs from the vicinity of San Matías Pass south to the Cape region. Specimens from the central peninsula with large, cone-like inflorescences are called forma megalostachya.
Ecoregions: CHA, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider dist.: SON

Orcutt Dalea; Pasta de Borrego, Engordacabra

Dalea bicolor Willd. var. orcuttiana Barneby

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins; syn = Dalea bicolor var. orcuttiana f. megalostachya (Rydb.) Barneby]

BCS endemic.

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins, Dalea seemannii S. Watson subsp. seemannii misappl.; syn = Parosela megalostachya Rydb.]

This rare native species has only been documented once in our region by Brandegee in 1890 at San José del Cabo.
Ecoregions: CPM; Wider dist.: SON, SIN, widespread in Mexico, AZ, FL, NM, TX, UT, West Indies, South America

Low Rattlebox; Cascabelito, Chipil

Dalea brandegeei (Rose) Bullock

[Syn = Dalea ramosissima Bentham.]

BCS endemic.

[In Wiggins as Dalea megalostachya (Rose ex Rydb.) Wiggins, Dalea seemannii S. Watson subsp. seemannii misappl.; syn = Parosela megalostachya Rydb.]

This BCS endemic shrub occurs only in the vicinity of Bahía de Magdalena and on Magdalena & Santa Margarita islands.
Ecoregions: MAG

Magdalena Bay Dalea
Desmanthus fruticosus Rose

This common near-endemic species occurs from the vicinity of Bahía de Los Angeles south to the Cape region and on various Gulf & southern Pacific islands adjacent to the peninsula.

Ecoregions: CD, VD, GCD, MAG, CPL; Wider distrib.: SON, Baja California Bundleflower; Dai Blanco, Frutillo, Dai, Frutillo

Desmanthus oligospermus Brandegee

This uncommon BCS endemic occurs along the immediate coast in the Cape region. It has been reported for SON, but this is not verified.

Ecoregions: CPL
Cape Bundleflower

Desmodium glandularis A. Gray

This very rare native species occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America Smooth Tick-Trefoil; Zakabacac Dulce

Desmodium grahamii A. Gray

This very rare native species occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, n Mexico, AZ, NM, TX Graham Tick-Trefoil

Desmodium intortum (Mill.) Urb.

This very rare native species occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, West Indies, Central & South America; introduced in AZ, HI, Galapagos Islands, Australia Green-Leaves Tick-Trefoil

Desmodium mollicum (Kunth) DC.

This very rare native species occurs at higher elevation in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America Burbur Tick-Trefoil; Amor Seco
Desmodium neomexicanum A. Gray  
[syn = Meibomia neomexicana (A. Gray) Kuntze, Desmodium begelovii A. Gray]  
{BCS: Rehman 4374 (SD 141628)}  
This rare native species occurs in the SSF & Cape region of BCS.  
Ecoregions: CD, CPL, CPM; Wider distrib.: SON, widespread in Mexico, AZ, NM, TX, Central & South America  
NEW MEXICO TICK-TREFOIL; PEGA PEGA

Desmodium plicatum Schltdl. & Cham.  
[syn = Desmodium hondurense Donn.Sm.]  
{BCS: R. Domínguez C. 2330 (HCIB 15875)}  
This very rare native species has only been documented once by a historical specimen collected in the Sierra de la Victoria in the Cape region of BCS. This voucher needs to be verified.  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America, Central & South America  
Plicate TICK-TREFOIL

Desmodium prehensile Schltdl.  
[syn = Meibomia prehensile (Schltdl.) Kuntze]  
{BCS: M. Domínguez L. 256 (HCIB 5093)}  
This very rare native species has only been documented once by a historical specimen collected in the vicinity of La Burrera in the SLL of BCS. This species appears to be closely related to D. prostratum and the specimens need to be verified.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America, Central & South America  
PRINGLE TICK-TREFOIL

Desmodium pringlei S. Watson  
[syn = Meibomia pringlei (S. Watson) Schindl.]  
{BCS: M. Domínguez L. 256 (HCIB 5093)}  
This very rare native species has only been documented once by a historical specimen collected in the Sierra de la Victoria in the Cape region of BCS. This species needs to be verified.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America  
PRINGLE TICK-TREFOIL

Desmodium procumbens (Mill.) A.S. Hitchc. var. exiguum (A. Gray) Schubert  
[syn = Desmodium exiguum A. Gray]  
{BC: Rehman 25133 (SD 223600); BCS: Moran 18861 (SD 120773)}  
This uncommon native variety occurs from the SLIB in s BC south into the SSF, SGUAD, SGIG, & the Cape region of BCS. This species appears to be closely related to D. prostratum and the specimens need to be verified.  
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, w Mexico  
WESTERN TRAILING TICK-TREFOIL

Desmodium procumbens (Mill.) A.S. Hitchc. var. transversum (Robinson & Greenn.) B.G. Schub.  
{BCS: León de la Luz 2045 (SD 126826)}  
This very rare native variety occurs in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, w Mexico, Central & South America  
WESTERN TICKFOIL

Desmodium prostratum Brandegee  
BCS endemic.  
{BCS: M. Domínguez L. 112 (SD 130772)}  
This very rare BCS endemic species occurs in the SLL of the Cape region.  
Ecoregions: CPM  
CAPE TICK-TREFOIL

Desmodium scopulorum S. Watson  
[syn = Desmodium wigginsii Schubert]  
{BCS: Rehman 27550 (SD 236980)}  
This very rare native species occurs in the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, AZ  
SONORAN TICK-TREFOIL

Desmodium scorpiurus (Sw.) Desv.  
{BCS: T.S. Brandegee 148 (DS 34567)}  
This very rare native species has only been documented once by a historical specimen collected by Brandegee in Sep. 1890 at San José del Cabo in the Cape region of BCS.  
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, FL, West Indies, Central & South America, naturalized in Asia & Africa  
SCORPION TICK-TREFOIL

Desmodium sericophyllum Schltdl.  
[syn = Meibomia sericophylla (Schltdl.) Kuntze]  
{BCS: León de la Luz 4004 (HCIB 14283)}  
This very rare native species occurs at higher elevations in the SLL of BCS. This specimen needs to be verified.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America  
TROPICAL TICK-TREFOIL

Desmodium tastense Brandegee  
BCS endemic.  
{BCS: T.S. Brandegee s.n., Nov 1902 (UC 50757)}  
This very rare BCS endemic species is only known from the type specimen collected in the Sierra El Tastle in November 1902. According to Schubert (1977), this species may be a unifoliolate form of D. psilocarpum.  
Ecoregions: CPM  
EL TAŚTE TICK-TREFOIL

Desmodium tortuosum (Sw.) DC.  
[syn = Desmodium purpureum (Mill.) Fawc. & Rendle, Desmodium stipulaceum DC.]  
{BCS: M.E. Jones 27215 (POM 190390)}  
This very rare native shrub occurs in the vicinity of Todos Santos in the Cape region of BCS.  
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, TX & se USA, Central & South America, introduced weed in Old World tropics  
DIXIE TICK-TREFOIL; PEGA PEGA, CADILLO JUANCHO, AMOR SECO

Diphysa occidentalis Rose  
{BCS: Rehman 5869 (SD 145386)}  
This rare native shrub occurs in the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w Mexico  
WESTERN DIPHYSIA; GUILCHO, BOLSA DE COYOTE  
Genus ref. see Chloroleucon: Barneby 1996.

Ebenopsis confinis (Standl.) Barneby & J.W. Grimes  
[In Wiggins as Pithecellobium confine Standl.]  
{BC: June Latting s.n., 17 Feb 1976 (SD 186218); BCS: León de la Luz 8409 (SD 145533)}  
This near-endemic native shrub with distinctive woody fruits occurs from the vicinity of Bahía de Los Ángeles south to the Cape region and on various adjacent islands. It should be noted that the plants on Natividad Island may represent an undescribed taxon.  
Ecoregions: PI, CD, RD, GCD, MAG, CPL, CPM; Wider distrib.: SON  
DOG POOP BUSH; PALO FIERRO, EJOTÓN, PALO FIERRO
Enterolobium cyclocarpum (Jaq.) Griseb.  
{BCS: Moran 4144 (SD 50131)}  
This non-native tree is commonly planted in the Cape region and rarely naturalizes in our region.  
Ecoregions: CPL; Wider distrib.: Native to West Indies, introduced in SIN, CHP, TAM, VER, Central America  
EARDROP TREE; GUANACASTE


Eriosema grandiflorum (Schldtl. & Cham.) G. Don  
{syn = Rhynchosia grandiflora Steud.}  
{BCS: M.E. Jones 72205 (POM/OM 1034328)}  
This rare native species has only been collected once in our region in the SLL on 22 Sep 1930 and was reported by Lenz.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America  
SHOWY SAND-PEA; HOJA DE GUAYABILLO


Errazurizia benthamii (Brandegee) I.M. Johnst.  
{syn = Dalea benthamii Brandegee}  
{BC: Moran 10691 (SD 53959); BCS: Moran 19641 (SD 92721)}  
This woody perennial is endemic to our region and occurs from Cedros Island south through the w VD to Santa Margarita Island.  
Ecoregions: PI (Cedros), VD, MAG  
CEDROS DUNE BROOM

Errazurizia megacarpa (S. Watson) I.M. Johnst.  
{BC: Rebman 1539 (SD 137156); BCS: Webster 19619 (SD 97481)}  
This native species prefers sandy substrates & occurs along the Gulf coast of the peninsula from the s end of Laguna Salada in ne BC south to Bahía La Paz.  
Ecoregions: LCD, VD; Wider distrib.: SON  
Gulf Dune Broom

Erythrina flabelliformis Kearney  
{syn = Erythrina purpusii Brandegee}  
{BCS: Moran 8452 (SD 54503)}  
This attractive, native tree occurs in BCS in the SGUAD & commonly in the Cape region.  
Ecoregions: GIG, CPM; Wider distrib.: SON, nw Mexico, AZ, NM  
CORAL TREE, CORAL-BEAN; CHILICOTE, CORCHO, CORALINA, COLORÍN

Eysenhardtia peninsularis Brandegee  
LC endemic.  
{BC: Rebman 18609 (SD 202616); BCS: Rebman 3000 (SD 139592)}  
This very rare shrub is endemic to our region and occurs only in the SLJB & SSF of the central peninsula.  
Ecoregions: CD  
BAJA CALIFORNIA KIDNEYWOOD

Galactia tephrodes A. Gray  
{BCS: M. Domínguez L. 15 (HCIB 1744)}  
This rare native vine has only been collected once in the SLL. Specimens need to be verified.  
Ecoregions: CPM; Wider distrib.: NAY, rare in Mexico  
MILKPEA

Haematoxyylon brasiletto Karst  
{In Wiggins as Haematoxyylon brasiletto (genus spelling variant)}  
{BCS: W.P. Armstrong s.n., 27 May 1991 (SD 131252)}  
This native species occurs throughout most of the Cape region of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, w Mexico, Central & South America  
BRAZILWOOD; BRASIL; PAULO DE BRAZIL

Havardia mexicana (Rose) Britton & Rose  
{In Wiggins as Pithecellobium mexicanum Rose}  
{BCS: A. Carter 3310 (SD 49004)}  
This rare native tree occurs in the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN  
MEXICAN EBONY; PALO CHINO, CHINO

Hesperalbizia occidentalis (Brandegee) Barneby & J.W. Grimes  
{In Wiggins as Albizia occidentalis Brandegee}  
{BCS: D.F. Howe 4481 (SD 113577)}  
This uncommon native tree grows in Tropical Deciduous Forest & occurs in the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SIN, c & s Mexico  
WESTERN ALBIZIA; PALO ESCOPETA

Hesperotheramus litoralis (Brandegee) Brandegee  
{syn = Lonchocarpus litoralis Brandegee}  
BCS endemic.  
{BCS: A. Carter 3625 (SD 68609)}  
This rare BCS endemic occurs only in the Cape region of BCS. It should be noted that specimens from the northeastern Cape are a bit different and may represent an undescribed taxon.  
Ecoregions: CPL  
CAPE HESPEROTHERAMNUS


Hoffmannseggia glauca (Ortega) Eifert  
{In Wiggins as Hoffmannseggia densiflora Bentham. in A. Gray; syn = Caesalpinia glauca (Ortega) Kuntze, Hoffmannseggia densiflora var. capitata Fisher, Hoffmannseggia densiflora var. demissa (A. Gray) Fisher, Hoffmannseggia densiflora var. pringlei Fisher, Hoffmannseggia densiflora var. stricta (Benth.) Fisher, Hoffmannseggia falcarioides (Calwa.)}  
{BC: Rebman 3670 (SD 140973); BCS: D. Clemons 1378 (SD 119012)}  
This uncommon native perennial often occurs as a weed along roads and ranges from Ojos Negros in nw BC to the vicinity of San Ignacio in n BCS.  
Ecoregions: CHA, CSU, CD, VD; Wider distrib.: SON, widespread in Mexico, c & sw USA, South America  
PIG-NUT, HOG-POTATO, INDIAN RUSH-PEA; CAMOTE DE RATÓN

Hoffmannseggia intricata Brandegee  
{syn = Caesalpinia intricata (Brandegee) E.M. Fisher, Hoffmannseggia glabra Fisher}  
{BC: Rebman 3160 (SD 139269); BCS: Rebman 4227 (SD 142422)}
This near-endemic native species occurs from the vicinity of Bahía Los Ángeles south to Bahía Concepción.
Ecologies: CD, VD, GCD; Wider distri.: SON
GULF RUSH-PEA

Hoffmannseggia microphylla Tott.
[syn = Caesalpinia virgata E.M. Fisher]
{BC: Rebm 3143 (SD 139596)}
This common species occurs in ne BC & ranges south to the vicinity of Bahía de Los Ángeles.
Ecologies: LCD, CD; Wider distri.: SON, AZ, CA
DESERT BIRD-OF-PARADISE, WAND HOLDEN

Hoffmannseggia peninsularis (Britton) Wiggins
[syn = Caesalpinia peninsularis (Britton) Eifert, Larrea peninsularis Britton]
BC endemic.
{BC: Moran 19578 (SD 92718)}
This rare BC endemic occurs in the San Felipe Desert area & ranges from near Mexicali south to the vicinity of Puertocitos.
Ecologies: LCD
SAN FELIPE RUSH-PEA

Hoita macrostachya (DC.) Rydb.
[In Wiggins as Psoralea macrostachya DC.; syn = Hoita villosa Greene, Psoralea macrostachya var. longiloba (Rydb.) J.F. Macbr., Psoralea macrostachya var. rhombifolia Torr., Hoita longiloba Rydb.] Status in CFP: 2A.
{BC: Moran 29780 (SD 109071)}
This rare BC endemic occurs in extreme nw BC.
Ecologies: CSS, CSU; Wider distri.: CA
LARGE LEAF ROOT

Hoita orbicularis (Lindl.) Rydb.
[In Wiggins as Psoralea orbicularis Lindl.]
Status in CFP: 2A.
{BC: Moran 17958 (SD 76408)}
This rare native species occurs in nw BC.
Ecologies: CHA; Wider distri.: CA
ROUND-LEAF LEATHER ROOT

Genus ref. see Acmispon: Broulliet 2008

Hosackia crassifolia Benth. var. crassifolia
[syn = Lotus crassifolius (Benth.) Greene]
Status in CFP: 2B.
{BC: Moran 23312 (SD 96983)}
This rare native variety occurs on the western side of the SSPM in nw BC.
Ecologies: CHA; Wider distri.: CA, OR, WA
BUCK LOTUS

Hosackia crassifolia Benth. var. otayensis (Isely) Brouillet
[syn = Lotus crassifolius (Benth.) Greene var. otayensis Isely]
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: C. Reiser s.n., 10 Apr 1994 (SD 138864)}
This very rare native variety is only known from one historical specimen in nw BC in the vicinity of La Misión.
Ecologies: CSS; Wider distri.: CA (San Diego County)
OTAY MOUNTAIN LOTUS

Hosackia oblongifolia Benth. var. oblongifolia
[In Wiggins as Lotus oblongifolius (Benth.) Greene; syn = Hosackia torreyi A. Gray, Lotus oblongifolius var. nevadensis (A. Gray) Munz, Lotus oblongifolius var. torreyi (A. Gray) Ottley, Lotus torreyi (A. Gray) Greene, Hosackia lathyroides Durand & Hilg., Hosackia cuprea (Greene) Smiley]
Status in CFP: 2B.
{BC: Moran 14172 (SD 79503)}
This uncommon native species prefers wetlands and streams and occurs in nw BC.
Ecologies: CSS, CHA, CMT, CSU; Wider distri.: AZ, CA, NV, OR
STREAM LOTUS

Indigofera argentinata L.M. Johnst.
[syn = Indigofera nesophila A.W. Lievens & Urtsbach nom.nud. (apparently never published)]
BCS endemic.
{BC: L.M. Johnston 4036 (CAS 81365)}
This BCS endemic occurs only on Cerralvo Island.
Ecologies: CPL
CERRALVO ANIL

Indigofera fruticosa Rose
[In Wiggins as Indigofera nelsonii Rydb.]
BCS endemic.
{BC: D.F. Howe 4423 (SD 80797)}
This species is questionably native in our region because it was formerly cultivated for use of the dye indigo.
Ecologies: WD, GIG, CPL; Wider distri.: SON, SIN, c & s Mexico, se USA, West Indies, Central & South America
INDIGO; ANIL DE PASTO, PLATANILLO

Lathyrus splendens Kellogg
Status in CFP: 1B; 6; Listed: CNPS 4.3.
{BC: Moran 28488 (SD 105802)}
This uncommon & attractive native vine occurs mostly along the USA/Mexico border in extreme nw BC.
Ecologies: CSS, CHA, CMT; Wider distri.: s CA (San Diego County)
PRIDE-OF-CALIFORNIA, CAMPO PEA

[In Wiggins as Lathyrus alefeldii T.G. White; syn = Lathyrus laetiflorus Greene subsp. alefeldii (T.G. White) C.L. Hitchc., Lathyrus laetiflorus Greene var. alefeldii (T.G. White) Jeps.]
{BC: Moran 23213 (SD 94866)}
This common native vine occurs mostly in nw BC, but is also known from the SLJB in s BC.
Ecologies: CSS, CHA, CMT; Wider distri.: CA
SAN DIEGO SWEET PEA

Lathyrus vestitus Nutt. var. vestitus
[syn = Lathyrus laetiflorus Greene, Lathyrus laetiflorus Greene subsp. barbarae (T.G. White) C.L. Hitchc., Lathyrus vestitus subsp. laetiflorus (Greene) Broich]
{BC: Moran 18502 (SD 202617)}
This species is questionably native in our region because it was formerly cultivated for use of the dye indigo.
Ecologies: WD, GIG, CPL; Wider distri.: SON, SIN, c & s Mexico, se USA, West Indies, Central & South America
INDIGO; ANIL DE PASTO, PLATANILLO

Lathyrus vestitus Nutt. var. alefeldii (T.G. White) Isely
{BC: D.F. Howe 4423 (SD 80797)}
This uncommon & attractive native vine occurs mostly on the USA/Mexico border in extreme nw BC.
Ecologies: CSS, CHA, CMT; Wider distri.: s CA (San Diego County)
PRIDE-OF-CALIFORNIA, CAMPO PEA

Lathyrus vestinus Nutt. var. alefeldii (T.G. White) Isely
{BC: Moran 23213 (SD 94866)}
This common native vine occurs mostly in nw BC, but is also known from the SLJB in s BC.
Ecologies: CSS, CHA, CMT; Wider distri.: CA
SAN DIEGO SWEET PEA

Lathyrus vestitus Nutt. var. vestitus
[syn = Lathyrus laetiflorus Greene, Lathyrus laetiflorus Greene subsp. barbarae (T.G. White) C.L. Hitchc., Lathyrus vestitus subsp. laetiflorus (Greene) Broich]
{BC: Moran 18502 (SD 202617)}
This species is questionably native in our region because it was formerly cultivated for use of the dye indigo.
Ecologies: WD, GIG, CPL; Wider distri.: SON, SIN, c & s Mexico, se USA, West Indies, Central & South America
INDIGO; ANIL DE PASTO, PLATANILLO

Lathyrus vestitus Nutt. var. vestitus
[In Wiggins as Indigofera nelsonii Rydb.]
BCS endemic.
{BC: D.F. Howe 4423 (SD 80797)}
This species is questionably native in our region because it was formerly cultivated for use of the dye indigo.
Ecologies: WD, GIG, CPL; Wider distri.: SON, SIN, c & s Mexico, se USA, West Indies, Central & South America
INDIGO; ANIL DE PASTO, PLATANILLO

Lathyrus splendens Kellogg
Status in CFP: 1B; 6; Listed: CNPS 4.3.
{BC: Moran 28488 (SD 105802)}
This uncommon & attractive native vine occurs mostly along the USA/Mexico border in extreme nw BC.
Ecologies: CSS, CHA, CMT; Wider distri.: s CA (San Diego County)
PRIDE-OF-CALIFORNIA, CAMPO PEA

Lathyrus vestitus Nutt. var. alefeldii (T.G. White) Isely
{BC: Moran 23213 (SD 94866)}
This common native vine occurs mostly in nw BC, but is also known from the SLJB in s BC.
Ecologies: CSS, CHA, CMT; Wider distri.: CA
SAN DIEGO SWEET PEA

Lathyrus vestitus Nutt. var. vestitus
[syn = Lathyrus laetiflorus Greene, Lathyrus laetiflorus Greene subsp. barbarae (T.G. White) C.L. Hitchc., Lathyrus vestitus subsp. laetiflorus (Greene) Broich]
{BC: Moran 18502 (SD 202617)}
This species is questionably native in our region because it was formerly cultivated for use of the dye indigo.
Ecologies: WD, GIG, CPL; Wider distri.: SON, SIN, c & s Mexico, se USA, West Indies, Central & South America
INDIGO; ANIL DE PASTO, PLATANILLO

**Leucaena lanceolata** S. Watson subsp. lanceolata

[In Wiggins as Leucaena microcarpa Rose, Leucaena brandegeei Britton & Rose; syn = Leucaena pubescens Britton & Rose, Leucaena sonorensis Britton & Rose, Leucaena sinaloensis Britton & Rose]

{BC: M. Domínguez L. 2083 (SD 145534)}

This uncommon native tree occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w Pacific coast Mexico & VER

CAPE Leadtree; GUAJE, GUAJILLO, BOLILLO

**Leucaena leucocephala** (Lam.) de Wit subsp. glabrata (Rose)

Zarate

{BC: Moran 29244 (SD 106135); BCS: Provance 8097 (SD 186196)}

This non-native species is commonly planted and has naturalized in various places on the peninsula.

Ecoregions: CSS, GCD, CPL; Wider distrib.: Native distribution unknown, introduced in SON, SIN, widespread in Mexico, tropics worldwide

WHITE Leadtree; GUAJE BLANCO, GUAJE VERDE

**Leucaena leucocephala** (Lam.) de Wit subsp. leucocephala

{BC: Hughes & Styles 160 (MEXU)}

This non-native species is occasionally planted and has naturalized in the Cape region.

Ecoregions: CPL; Wider distrib.: Native to SIN, e & s Mexico, FL, West Indies, Central America, introduced in TX, pantropical weed

WHITE Leadtree, WHITE POPINAC Leadtree; LILIAQUE, HUAXÍM


**Lotus corniculatus** L.

{syn = Lotus corniculatus var. arvensis (Schkuhr) Ser. ex DC.}

{BC: Moran 29207 (SD 106141)}

This rare non-native species occurs in wet areas of nw BC.

Ecoregions: CSS, GCD, CPL; Wider distrib.: Native to Eurasia, introduced SIN, DUR, widespread in USA & Canada

BIRDFOOT TEAFOIL

**Lupinus arizonicus** (S. Watson) S. Watson


{BC: Moran 22192 (SD 125952); BCS: C. Hubbs s.n. 21 Feb 1962 (SD 73658)}

This widespread & highly variable native species occurs from near Mexicali in nw BC south to the Cape region of BCS. It also occurs on Santa Margarita Island in the Pacific and on many Gulf islands.

Ecoregions: LCD, CD, GCD, MAG, CPL, CPM; Wider distrib.: SON, AZ, CA, NV

ARIZONA LUPINE; LUPINO

**Lupinus bicolor** Lindl.

[In Wiggins as Lupinus bicolor subsp. umbellatus (Greene) D.B. Dunn., Lupinus bicolor microphyllus (S. Watson) D.B. Dunn, Lupinus bicolor subsp. marginatus D.B. Dunn]

{BC: Moran 22937 (SD 95514)}

This native annual occurs mostly in nw BC and ranges from Tecate south to the SBOR in s BC. It also occurs on Guadalupe Island in the Pacific.

Ecoregions: CSS, CHA, CMT, CSU, PI (Guadalupe), CD; Wider distrib.: SON, w USA, w Canada

MINIATURE LUPINE

**Lupinus concinnus** J. Agardh

[In Wiggins as Lupinus concinnus var. brevior (Jeps.) D.B. Dunn, Lupinus concinnus var. optatus C.P. Sm., Lupinus concinnus var. orcuttii (S. Watson) C.P. Sm., Lupinus concinnus var. pallidus (Brandegee) C.P. Sm.; syn = Lupinus agardhianus A. Heller, Lupinus concinnus var. agardhianus (A. Heller) C.P. Sm., Lupinus nipomensis Eastw., Lupinus mcinessis M.E. Jones, Lupinus orcuttii S. Watson, Lupinus pallidus Brandegee, Lupinus brevior (Jeps.) J.A. Christian & D.B. Dunn]

{BC: Moran 25787 (SD 100871)}

This highly variable native species occurs commonly in nw & c BC and ranges from Rosarito and the n SJ south to Bahía de Los Angeles and on Cedros Island.

Ecoregions: CSS, CHA, CMT, CSU, PI (Cedros), LCD, CD; Wider distrib.: SON, sw USA & TX

BAJADA LUPINE, ELEGANT LUPINE

**Lupinus exhibitus** M.E. Jones var. austromontanus (A. Heller) C.P. Sm.


{syn = Lupinus exhibitus subsp. austromontanus (A. Heller) R.M. Beauchamp, Lupinus austromontanus A. Heller}

{BC: Rebman 5439 (SD 144200)}

This native variety occurs in the upper foothills & mountains of the SJ & SSPM in nw BC and in the vicinity of Cataviña and on the sky island of SBOR in s BC.

Ecoregions: CHA, CMT, CD; Wider distrib.: CA

GRAPE SODA LUPINE; PATA DE GALLINETA

**Lupinus exhibitus** M.E. Jones var. hallii (Abrams) C. P. Sm.

{syn = Lupinus exhibitus subsp. hallii (Abrams) D.B. Dunn}

Status in CFP: 2A.
Lupinus excubitus M.E. Jones var. medius (Jeps.) Munz
[syn = Lupinus excubitus subsp. medius (Jeps.) D.B. Dunn, Lupinus grayi (S. Watson) S. Watson var. medius (Jeps.) C.P. Sm., Lupinus albifrons Benth. var. medius Jeps.]
Listed: CNPS 1B.3.
{BC: Moran 10275 (SD 54574)}
This very rare native species occurs in the upper foothills & mountains of the SJ & SSPM of nw BC.
Ecoregions: CHA; Wider distrib.: CA

Lupinus formosus Greene var. formosus
Status in CFP: 3.
{BC: R.F. Thorne 55922 (SD 124012)}
This rare species occurs in the upper foothills & mountains of the SJ & SSPM of nw BC. The affinities of this species to L. andersonii & L. hyacinthinus needs more study.
Ecoregions: CHA, CMT; Wider distrib.: CA

Lupinus guadalupensis Green
[syn = Lupinus moranii Dunkle, Lupinus alicementinus C.P. Sm.]
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 17390 (SD 74769)}
This very rare insular endemic species occurs on Guadalupe Island in the Pacific.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (San Clemente Island)
GUADALUPE ISLAND LUPINE

Lupinus hirsutissimus Benth.
{BC: Moran 18336 (SD 77276)}
This uncommon native species occurs mostly in nw BC from Tecate south to El Rosario and disjunctly to the SBOR in s BC.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA
STINGING LUPINE

Lupinus hyacinthinus Greene
[In Wiggins as Lupinus andersonii S. Watson var. sublinearis C.P. Sm.; syn = Lupinus formosus Greene var. hyacinthinus (Greene) C.P. Sm., Lupinus albicaulis Dougl. var. hyacinthinus (Greene) Jeps.]
Status in CFP: 2A.
{BC: Moran 21085 (SD 84565)}
This rare native species occurs at higher elevations in the foothills & mountains of the SSPM.
Ecoregions: CHA, CMT; Wider distrib.: CA
SAN JACINTO LUPINE

Lupinus latifolius J. Agardh var. wigginsii C.P. Sm.
[syn = Lupinus latifolius subsp. wigginsii (C.P. Sm.) P. Kenney & D.B. Dunn]

Lupinus longfolius (S. Watson) Abrams
Status in CFP: 2A.
{BC: Moran 26624 (SD 101735)}
This rare native species occurs at lower elevations in nw BC between La Misión and San Vicente.
Ecoregions: CSS, CHA; Wider distrib.: CA
PINA LUPINE

Lupinus microcarpus Sims var. densiflorus (Benth.) Jeps.
[In Wiggins as Lupinus densiflorus Bent.; syn = Lupinus densiflorus Benth. var. lacteus (Kellogg) C.P. Sm.]
{BC: Orcutt 1134 (MO 1849814)}
This very rare native variety is only known from one historical specimen collected by Orcutt in 1884 in “Northern Lower California” without specific locality. This specimen is deposited at MO and needs to be verified.
Ecoregions: CHA?; Wider distrib.: CA
CHICK LUPINE

Lupinus niveus S. Watson
{BC: Moran 12075 (SD 59987)}
This rare BC endemic species occurs on Guadalupe Island in the Pacific.
Ecoregions: PI (Guadalupe)
GUADALUPE ISLAND SILVER LUPINE

Lupinus sparsiflorus Benth.
[In Wiggins as Lupinus sparsiflorus var. pondii (Greene) C.P. Sm., Lupinus sparsiflorus var. inopinatus C.P. Sm.; syn = Lupinus pondii Greene, Lupinus sparsiflorus subsp. pondii (Greene) Dziek. & D.B. Dunn, Lupinus sparsiflorus subsp. inopinatus (C.P. Sm.) Dziek. & D.B. Dunn]
{BC: Moran 19376 (SD 84465); BCS: Moran 19779 (SD 92776)}
This widespread & variable native species occurs throughout much of BC and ranges from near La Misión & the San Felipe Desert in n BC south to the VPEN in nw BCS. It also occurs on San Martín & Cedros islands in the Pacific.
Ecoregions: CSS, CHA, CSU, PI (San Martín, Cedros), LCD, CD, VD; Wider distrib.: SON, sw USA
COULTER LUPINE, DESERT LUPINE

Lupinus succulentus K. Koch
[syn = Lupinus succulentus var. brandegeei C.P. Sm.]
{BC: Moran 21693 (SD 90865); BCS: Moran 19903 (SD 92727)}
This widespread & variable species occurs throughout most of the peninsula ranging from Tijuana to the Cape region, but is most common in nw BC. It also occurs on Los Coronados island in the Pacific. The plants in the southern part of the peninsula have been
described as an endemic variety but more taxonomic work is needed on this group.

Ecoregions: CSS, CHA, CSU, PI ( Coronados), CD, VD, GIG, MAG, CPL; Wider distrib.: AZ, CA

ARROYO LUPINE; GARBANCILLO

Lupinus truncatus Nutt.
{BC: Moran 25710 (SD 100722)}
This native species occurs in nw BC from Tijuana south to El Rosario.

Ecoregions: CSS, CHA, CSU, PI; Wider distrib.: CA

Lysiloma candidum Brandegee
[In Wiggins as Lysiloma candida (epithet spelling variant)]
{BC: Moran 11561 (SD 59873); BCS: Moran 9653 (SD 66604)}
This showy tree is a near-endemic to our region & occurs from extreme s BC in the vicinity of El Barril south along the Gulf side of the peninsula to the Cape region, on adjacent Gulf islands, and rare in coastal Sonora.

Ecoregions: CD, GCD, GIG, CPL, CPM; Wider distrib.: SON Baja California Lysiloma; Palo Blanco

Lysiloma divaricatum (Jacq.) J.F. Macbr.
[In Wiggins as Lysiloma divaricata (epithet spelling variant); syn = Lysiloma microphyllum Bentham., Lysiloma cayucensis M.E. Jones]
{BC: A. Carter 5326 (SD 68545)}
This native tree occurs most commonly in the Cape region of BCS, but also rarely in the SGUAD & SGIG.

Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

LITTLE-LEAF LYSILOMA; MAUTO

#Lysiloma watsonii Rose
{BC: León de la Luz 8117 (HCIB 23437)}
This non-native tree is rarely planted in the Cape region & has presumably naturalized in the vicinity of La Paz.

Ecoregions: CPL; Wider distrib.: Native to SON, SIN, CHH, AZ

LITTLE-LEAF FALSE-TAMARIND, FERN-O-OF-THE-DESERT; TEPEGUAJE

Torres Colín, María Leticia. 2006. Revisión taxonómica del género Macropiptilium (Benth.) Urb. (Leguminosae) en México y Centroamérica. UNAM Posgrado en Ciencias Tesis.

Macropiptilium atropurpureum (DC.) Urb.
[In Wiggins as Phaseolus atropurpureus DC., Phaseolus atropurpureus DC. var. sericeus A. Gray]
{BC: Rehman 17196 (SD 194580); BCS: Moran 18918 (SD 120749)}
This common native vine occurs in extreme s BC in the SLIB & ranges south into the Cape region.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central & South America

PURPLE BUSH-BEAN; FRIJOL DEL CAMPO, OREJA DE RATÓN, OJO de ZANATE, CONCHITO

Macropiptilium gibbosifolium (Ortega) A. Delgado
[syn = Phaseolus gibbosifolius Ortega]
{BCs: R. Domínguez C. 2452 (HCIB 17047)}
This rare native low-growing perennial is only known from one specimen collection in the SL & it needs to be verified.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central America

VARIABLE-LEAF BUSH-BEAN; JICAMILA, JICAMA SILVESTRE, TARPOLA

Macropiptilium lathyroides (L.) Urb.
[syn = Phaseolus lathyroides L.]
{BCs: R. Domínguez C. 2426 (HCIB 17021)}
This rare annual is only known from a few specimens in the Cape region and is presumably native to our region.

Ecoregions: CPL; Wider distrib.: Native to SIN, w & s Mexico, West Indies, Central & South America, introduced in FL, TX, Old World tropics, Australia

WILD BUSH-BEAN; FRIJOLILLOS DE MONTE

Macropiptilium longipedunculatum (Mart. ex Benth.) Urb.
[syn = Phaseolus rubescens Brandegee]
{BCs: Rehman 5872 (SD 145383)}
This rare native vine occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w & s Mexico, Central & South America

LONG-STALK BUSH-BEAN; CUERDILLA, FRIOJILLO


Marina brevis León de la Luz
BCS endemic.
{BCs: Pérez Navarro 1361 (SD 154080)}
This rare BCS endemic annual is only known from the southern part of San José Island in the Gulf.

Ecoregions: GCD SAN JOSÉ ISLAND MARINA

Marina capensis Barneby
BCS endemic.
{BCs: Wiggins 14523 (US 2575036)}
This very rare BCS endemic annual was previously only known from the type specimen which was collected just south of Todos Santos in the Cape region, but was recently rediscovered near the type locality.

Ecoregions: CPL CAFE MARINA

Marina catalinae Barneby
BCS endemic.
{BCs: Moran 9353 (SD 127428)}
This rare BCS endemic annual occurs only on Santa Catalina Island in the Gulf of California.

Ecoregions: GCD CATALINA MARINA

Marina chrysorrhiza (A. Gray) Barneby
[In Wiggins as Dalea chrysorrhiza A. Gray]
BCS endemic.
{BCs: F. Gander 9761 (SD 29453)}
This rare BCS endemic annual occurs only on Santa Catalina Island in the Gulf.

Ecoregions: GCD CPL LOS CABOS MARINA

Marina divaricata (Benth.) Barneby
[In Wiggins as Dalea divaricata Benth. subsp. divaricata, Dalea divaricata Benth. subsp. anthonyi (Brandegee) Wiggins; syn = Dalea anthonyi Brandegee, Parosela variegata Rydberg]
BCS endemic.
{BCs: C. Davidson 2029 (SD 90872)}
This uncommon BCS endemic perennial occurs from the Bahía de Magdalena areas south to the Cape region.
Ecologies: MAG, CPL, CPM

**Marina evanescens** (Brandegee) Barneby
[In Wiggins as Petalostemon evanescens (Brandegee) Rose; syn = Dalea evanescens Brandegee]
(BC: Rebman 25119 (SD 223601); BCS: A. Carter 4476 (SD 68655))
This uncommon near-endemic annual occurs throughout most of BCS and ranges as far north as the SLIB in c BC. It is also known from the vicinity of Guaymas in Sonora.
Ecologies: CD, WD, GCD, GIG, MAG, CPL; Wider distrib.: SON

**FLEETING MARINA**

**Marina interes** Barneby
BCS endemic.
{BC: Rebman 20647 (SD 66973); BCS: Rebman 20870 (SD 94455)}
This rare BCS endemic occurs only in the northern Cape region in the vicinity of La Paz.
Ecologies: GCD, CPL

**LA PAZ MARINA**

**Marina maritima** (Brandegee) Barneby
[In Wiggins as Dalea maritima Brandegee]
{BC: Burgess 6201 (SD 116883)}
This common BCS endemic occurs throughout most of the Cape region along the beaches & coastal bluffs and is also known from alkaline substrates in the Sierra Cacachilas.
Ecologies: GCD, MAG, CPL

**MARITIME MARINA**

**Marina oculata** (Ryddb.) Barneby
[syn = Farosela oculata Ryddb.]
BCS endemic.
{BC: Moran 9456 (SD 59451)}
This rare BCS endemic occurs only on Cerralvo Island.
Ecologies: CPL

**CERRALVO MARINA**

**Marina orcuttii** (S. Watson) Barneby var. **campanea** Barneby
LC endemic.
{BC: Rebman 18703 (SD 200267); BCS: Rebman 4701 (SD 142231)}
This variety is endemic to our region and occurs on sky islands in the central part of the peninsula from the SLIB south to the n SGIG.
Ecologies: CD, GIG

**SKY ISLAND MARINA**

**Marina orcuttii** (S. Watson) Barneby var. **orcuttii**
[In Wiggins as Dalea orcuttii S. Watson]
Status in CFP: 4, 6; Listed: CNPS 1B.3.
{BC: Rebman 5467 (SD 144201)}
This native variety occurs mostly in nw BC from the SJ south to the vicinity of El Rosario.
Ecologies: CHA, CMT, CSU, CD; Wider distrib.: CA

**CALIFORNIA MARINA, ORCUTT MARINA**

**Marina parryi** (A. Gray) Barneby
[In Wiggins as Dalea parryi Torr. & A. Gray ex A. Gray]
{BC: Moran 18287 (SD 77235); BCS: Rebman 5718 (SD 142953)}
This common & widespread native species from ne BC south throughout most of the peninsula to the vicinity of La Paz and on various adjacent Gulf islands.

Ecologies: CSU, LCD, CD, WD, GCD, GIG, MAG; Wider distrib.: SON, AZ, CA, NV

**PARRY MARINA**

**Marina peninsularis** (Rose) Barneby
[In Wiggins as Dalea peninsularis (Rose) Bullock]
{BC: C.F. Harbison s.n. 18 Mar 1947 (SD 41564); BCS: Moran 19662 (SD 92389)}
This uncommon native species occurs throughout much of BCS north of the Cape region and in extreme s BC.
Ecologies: WD, GCD, GIG, MAG; Wider distrib.: SON, SIN

**PENINSULAR MARINA**

**Marina vetula** (Brandegee) Barneby
[In Wiggins as Dalea vetula Brandegee; syn = Dalea bechtelii Wiggins]
{BC: Wiggins 20870 (SD 66973); BCS: Moran 18765 (SD 94455)}
This uncommon annual occurs in extreme nw BC in the SJ.
Ecologies: LC, CD, WD, GCD, GIG, MAG; Wider distrib.: SON, COA

**GIGANTA MARINA**

**Marina victoriae** León de la Luz
BCS endemic.
{BC: M. Domínguez L. 2997 (SD 154079)}
This rare BCS endemic occurs at higher elevations in the SLL & Sierra de la Victoria in the Cape region.
Ecologies: CPM

**VICTORIA MARINA**


**Mariosousa coulteri** (Benth.) Seigler & Ebinger
[syn = Acacia coulteri Benth.]
{BC: Pérez Navarro 1272 (SD 146632)}
This rare native species occurs on the western side of the SLL in the Cape region.
Ecologies: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico

**COULTER ACACIA, FALSE MESquite; GUAYABILLO**

**Medicago lupulina** L..
[syn = Medicago lupulina var. cupaniana (Guess.) Boiss.]
{BC: Moran 29720 (SD 108524)}
This rare non-native annual occurs in extreme nw BC in the SJ.
Ecologies: CHA, CMT; Wider distrib.: Native to Europe introduced SON, JAL., widespread in USA & Canada, temperate regions worldwide

**BLACK MEDICK, BLACK HAY; TRÉBOL AMARILLO**

**Medicago polymorpha** L..
[In Wiggins as Medicago hispida Gaertn.]
{BC: Moran 15314 (SD 67937)}
This weedy non-native occurs commonly in nw BC and on Guadalupe & Los Coronados islands.
Ecologies: CSS, CHA, CSU, PI (Coronados, Guadalupe); Wider distrib.: Native to s Europe, introduced in SON, JAL, OAX, SLP, ZAC; widespread in USA & Canada

**CALIFORNIA BUR CLOVER; CARRETTILLA, TRÉBOL DE Vaina ERIZADO**
*Medicago sativa* L.  
(BC: Moran 15307 (SD 67929); BCS: León de la Luz 10755 (SD 188567))

This non-native is commonly planted as a forage crop in our region & frequently naturalizes on the sides of roads throughout the peninsula.

Ecoregions: CSS, CHA, CMT, GCD, CPL; Wider distrib.: Native to Eurasia, introduced in SON, scattered in Mexico, widespread in USA & Canada.  
ALFAFA; ALFAFA

*Melilotus albus* L.  
(BC: Moran 18674 (SD 80256); BCS: Rebman 18479 (SD 202626))

This uncommon non-native occurs mostly in wet areas of nw BC & rarely in nw BCS in the s VD.

Ecoregions: CSS, CHA, CMSU, LV; Wider distrib.: Native to Eurasia, introduced in SON, scattered in Mexico, w & n USA & Canada.  
WHITE SWEETCLOVER; MELILOTO BLANCO, ALFAFA CIMARRONA, TRÉBOL BLANCO, TRÉBOL PERIENNE

*Melilotus indicus* (L.) All.  
(BC: Moran 14485 (SD 79730); BCS: Valov 77 (HCIB 214333))

This non-native annual occurs in wet & disturbed areas throughout the peninsula and on Cedros, San Benitos, & Guadalupe islands. It is most common in nw BC.

Ecoregions: CSS, CHA, CMSU, LV; Wider distrib.: Native to Mediterranean, introduced in SON, SIN, scattered in Mexico, widespread in USA except nc & rare in Canada.  
INDIAN SWEETCLOVER, YELLOW SOUR CLOVER; MELILOTO AMARILLO, TRÉBOL AGRO, TRÉBOL DULCE, ALFAFILLA, TRÉBOL AMARILLO


*Mimosa aculeaticarpa* Ortega var. *biuncifera* (Benth.) Barney  
[syn = Mimosa biuncifera Benth., Mimosa biuncifera var. glabrescens A. Gray, Mimosa biuncifera var. lindeheimeri (A. Gray) B.L. Rob., Mimosa lindeheimeri A. Gray, Mimosa warmookii B.L. Turner, Mimosopsis biuncifera (Benth.) Britton & Rose]

Status in CFP: 2B.  
(BC: Moran 18646 (SD 79945); BCS: M. Domínguez L. 2213 (SD 142120))

This native shrub occurs in the s SJ & n SSPM of n BC and on sky islands of the peninsula including SLIB, SSF, & SLL.

Ecoregions: CHA, CMD, CD, CPM; Wider distrib.: SON, SIN, c & n Mexico, AZ, NM, TX.  
CATCLAW MIMOSA

*Mimosa distachya* Cav. var. *distachya*  
[In Wiggins as Mimosa purpurascens B.L. Rob., Mimosa brandegeei B.L. Rob.]

(BCS: Rebman 3410 (SD 140969))

This native shrub occurs throughout most of BCS ranging from the SSF south to the Cape region.

Ecoregions: CD, GCD, MAG, CPL; Wider distrib.: SON, SIN, COL, JAL, MIC, NAY

MEXICAN MIMOSA, ARIZONA MIMOSA; CELOSA, UÑA DE GATO, GATOÑA, GARABILLO

*Mimosa distachya* Bent. var. *laxiflora* (Benth.) Barney  
[syn = Mimosa laxiflora Benth.]

(BCS: Rebman 4465 (SD 141617))

This very rare native variety is only known in our region from a couple of specimens in BCS collected from the SSF & SGIG. This variety differs from var. distachya by having pedicellate fruits and glabrous flowers.

Ecoregions: CD, GIG; Wider distrib.: SON, SIN, nw Mexico.  
SONORAN MIMOSA; CELOSA

*Mimosa epipropica* Barney & León de la Luz  

BCS endemic.  
(BCS: M. Domínguez L. 64 (SD 148836))

This rare BCS endemic occurs between 800-950 m in elevation on the western side of the SLL in the Cape region.

Ecoregions: CPM

LA BURRERA MIMOSA

*Mimosa margaritae* Rose ex Britton & Rose  
BCS endemic.

(BCS: León de la Luz 11471 (HCIB 27667))

This very rare BCS endemic shrub is only known from a couple of specimens on Santa Margarita Island.

Ecoregions: MAG (Santa Margarita)  
SANTA MARGARITA MIMOSA; CELOSA, UÑA DE GATO, GATOÑA

*Mimosa tricarpa* (M.E. Jones) León de la Luz & R. Grether var. *lagnensis*  
[syn = Mimosa lagnensis M.E. Jones]

BCS endemic.

(BCS: León de la Luz 11657 (HCIB 28071))

This rare BCS endemic variety occurs in oak-pine woodlands at higher elevations (1400-2100 m) in the SLL of the Cape region.

Ecoregions: CPM

LA LAGUNA MIMOSA; CELOSA, UÑA DE GATO

*Mimosa tricephala* Cham. & Schlldl. var. *xanti* (A. Gray) Chehail & R. Grether  
[In Wiggins as Mimosa xanti A. Gray; syn = Mimosa zacapana Standl. & Steyerm.]  
(BCS: Roberts 4756 (SD 136191))

This native shrub occurs mostly in the Cape region and on Espíritu Santo Island.

Ecoregions: GCD, CPM; Wider distrib.: CHP, GRO, MIC, OAX, Central America  
CAPE MIMOSA; CELOSA, UÑA DE GATO


*Neptunia plena* (L.) Benth.  
[syn = Mimosa plena L.]

(BCS: León de la Luz 6108 (SD 139904))

This uncommon native species grows along the immediate coasts throughout the Cape region.

Ecoregions: GCD, CPM; Wider distrib.: SON, SIN, coastal Mexico, TX, West Indies, Central & South America, India  
WATER DEAD-AND-AWAKE; ADORMIDERA
Neptunia pubescens Benth. var. pubescens
[syn = Neptunia pubescens var. floridana (Small) B.L. Turner, Neptunia pubescens var. lindheimeri (B.L. Rob.) B.L. Turner, Neptunia floridana Small]
{BCS: Rehman 3406 (SD 140413)}
This rare native perennial is only known from a couple of collections in the Cape region near Todos Santos.
Ecoregions: CPL; Wider distrib.: SIN, coastal Mexico, se USA, West Indies, Central & South America
Tropical PUFF; ADORMIDEA

Nissolia leiogyne Sandwith
{BCS: León de la Luz 3411 (HCIB 1798)}
This rare native vine has only been documented once in the SLL of BCS and the specimen needs to be verified.
Ecoregions: CPM; Wider distrib.: SIN, COL, GRO, JAL, MIC
MEXICAN YELLOWWOOD

Nissolia setosa Brandegee
BCS endemic.
{BCS: León de la Luz 4786 (SD 130774)}
This rare BCS endemic vine occurs in the Cape region of BCS.
Ecoregions: GCD, CPL, CPM
CAPE YELLOWWOOD

Olneya tesota A. Gray
Listed: NOM Pr.
{BC: Rehman 3133 (SD 139578); BCA: A. Carter 4583 (SD 68520)}
This common widespread tree occurs in desert areas from ne BC throughout the length of the peninsula and on various Gulf islands.
Ecoregions: LCD, CD, VF, GCD, GIG, MAG, CPL; Wider distrib.: SON, AZ, CA
IRONWOOD, DESERT IRONWOOD; PALO FIERRO, UNA DE GATO, ARBOL DE HIERRU, TESOTA


Parkinsonia aculeata L.
{BC: Moran 23284 (SD 96872); BCS: Hodgson 8179 (SD 138377)}
This tree is possibly native to the desert region of our region, but it is often planted and readily naturalizes so it is very difficult to know for sure. It is likely not native to nw BC.
Ecoregions: CSS, CSU, CD, VF, GCD, MAG, CPL; Wider distrib.: Presumably native to SON, SIN, AZ, TX, introduced and weedy throughout Mexico, s & sw USA, West Indies, Central & South America
MEXICAN PALO VERDE, JERUSALEM THORN; JUNCO, RETAMA, BAGOTE, GUACAPORA, JUNCO MARINA

Parkinsonia aculeata x P. florida
BCS endemic.
{BC: Rehman 30769 (SD)}
This very rare, naturally-occurring interspecific hybrid between Parkinsonia aculeata & P. florida was discovered in 2015 growing in urban canyons of La Paz in BCS where the parent species overlap.
Ecoregions: GCD
HIBRID MEXICAN BLUE PALO VERDE

Parkinsonia xcartaeae Hawkins
{BCS: León de la Luz 9647 (SD 147017)}
This very rare, naturally-occurring interspecific hybrid between Parkinsonia aculeata & P. praeox occurs rarely in BCS where the parent species overlap.
Ecoregions: GCD, MAG, CPL; Wider distrib.: SON, GRO, MIC, OAX, PUE, Central America
HYBRID MEXICAN PALO VERDE; PALO ESTRIBO

Parkinsonia floridana (A. Gray) S. Watson
[In Wiggins as Cercidium floridum Benth. ex A. Gray subsp. pensilvulare (Rose) A.M. Carter]
{BCS: León de la Luz 8353 (SD 141171)}
This common native tree occurs in BCS from the SGUAD south to the Cape region. It also occurs on Santa Margarita Island in the Pacific and many Gulf islands.
Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, AZ, CA
BLUE PALO VERDE, PENINSULAR PALO VERDE; PALO VERDE, PALO DE PAU

Parkinsonia microphylla Torr.
[In Wiggins as Cercidium microphyllum (Torr.) Rose & I.M. Johnst.]
{BC: Brey 164 (SD 133633); BCS: Moran 9403 (SD 66558)}
This common native tree occurs throughout most of the peninsula from near Mexicali in ne BC south along the eastern side of the peninsula to the northern Cape region of BCS. It also occurs on many adjacent Gulf islands.
Ecoregions: LCD, CD, VF, GCD, GIG, MAG, CPL; Wider distrib.: SON, AZ, CA
LITTLE-LEAF PALO VERDE, FOOTHILL PALO VERDE, YELLOW PALO VERDE; DIPUA, DIPUGA, PALO VERDE, MEDESÁ

Parkinsonia praeox (Ruiz & Pav.) Hawkins subsp. praeox
[In Wiggins as Cercidium praeox (Ruiz & Pav.) Harms]
{BCS: Dic 681 (SD 119652)}
This native tree occurs in BCS from the SSF south to the Cape region and on a few adjacent Gulf islands.
Ecoregions: CD, VF, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, South America
PALO BREA; PALO BREA

Parkinsonia xsonora (Rose & I.M. Johnst.) R.S. Felger & T.R. VanDevender
[In Wiggins as Cercidium xsonora (Rose & I.M. Johnst.) syn = Parkinsonia mollle I.M. Johnst.]
{BCS: A. Carter 4554 (SD 90774)}
This very rare, naturally-occurring interspecific hybrid between Parkinsonia microphylla & P. praeox occurs where the parent species overlap in BCS near San Ignacio & Loreto, and in the SGIG. It also occurs on the adjacent Carmen Island in the Gulf.
Ecoregions: VD, GCD, GIG; Wider distrib.: SON
HYBRID PALO VERDE; PALO ESTRIBO


Pediomelum californicum (S. Watson) Rydb.
[In Wiggins as Psoralea californica S. Watson]
Status in CFP: 2A.
{BC: Moran 30738 (SD 110984)}
This uncommon native occurs mostly in the mountains & foothills of the SJ & SSPM in nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

**California Breadroot**

*Pediomelum rhombifolium* (Torr. & A. Gray) Rydb.

[In Wiggins as Psoralea rhombifolia Torr. & A. Gray; syn = Psoralea decipiens M.E. Jones]

{BCS: M. Domínguez L. 4048 (SD 188574)}

This rare native occurs mostly in the SLL of the Cape region, but is also known rarely from the MAG area of BCS.

Ecoregions: MAG, CPM; Wider distrib.: SON, widespread in Mexico, AR, LA, OK, TX

**Gulf Breadroot**


*Phaseolus acutifolius* A. Gray var. *acutifolius*

{BCS: Rebman 35688 (SD 145381)}

This very rare native variety occurs in Cañon La Barrera in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, n Mexico, AZ, NM, TX

**Tepary-Bean, Tepary, Tepari del Monte**

*Phaseolus acutifolius* A. Gray var. *latifolius* Freeman

{BCS: Rebman 4590 (SD 141614)}

This very rare native variety occurs in Cañon La Barrera in the SLL of BCS.

Ecoregions: CD, GIG; Wider distrib.: SON, SIN, nw & c Mexico, AZ, NM, TX

**Wide-Leaf Tepary-Bean**

*Phaseolus acutifolius* A. Gray var. *tenuifolius* A. Gray

[syn = Phaseolus montanus Brandegee, Phaseolus purpusii Brandegee misappl.]  

{BC: Rebman 25261 (SD 223602); BCS: Moran 18725 (SD 80329)}

This very rare native variety occurs in the SSF & SGUAD on n BCS.

Ecoregions: CD, GIG; Wider distrib.: SON, SIN, n BCS.

**Narrow-Leaf Tepary-Bean**

*Phaseolus carteri* Freytag & Debouck


BCS endemic.

{BC: León de la Luz 4702 (HCIB 1805)}

This very rare BCS endemic occurs at lower elevations in the Cape region mostly near La Paz, but according to the original description also in the vicinity of Los Cabos. It is similar to *P. filiformis* but has white to light lavender, smaller flowers.

Ecoregions: CPL

**Chaparral-pea**

*Phaseolus vulgaris* L.


Barneby, Rupert C. and James W. Grimes. 1997. Silk Tree, Guayacan (Leguminosae - Papilionoideae) in Mexico, Central & South America, introduced in se USA & West Indies.]

**Sieva Bean, Frijol Lima Silvestre**

*Phaseolus parvifolius* Freytag

{BCS: León de la Luz 2944 (SD 148832)}

This very rare native species occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, Central America

**Narrow-Leaf Bean; Frijolito**

*Phaseolus vulgaris* L.

{syn = Phaseolus vulgaris var. humilis Alef.}

{BC: Moran 25954 (SD 100922)}

This non-native species is often cultivated for food and rarely naturalizes in the vicinity of San Quintin in nw BC.

Ecoregions: CSS, CHA; Wider distrib.: Originally native to Mexico & Central America but cultivated for centuries; introduced in SON, scattered in USA, West Indies.

**Common Bean, Green Bean, String Bean; Frijol de Ratón, Frijol de Coyote, Friolol Silvestre**


[In Wiggins as Pickeringia montana subsp. tomentosa (Abrams) Abrams]

Status in CFP: 2A; Listed: CNPS 4.3.

{BC: Moran 13982 (SD 64853)}

This rare shrub occurs in extreme nw BC on a few mountains between Ensenada & Tecate.

Ecoregions: CSS, CHA; Wider distrib.: CA

**Chaparral-Pea**

Barney, Rupert C. and James W. Grimes. 1997. Silk Tree, Guayacan (Leguminosae - Papilionoideae) in Mexico, Central & South America, introduced in se USA & West Indies.


*Pithecellobium dulce* (Roxb.) Benth.

{BC: Rebman 25113 (SD 223603); BCS: Moran 9511 (SD 66557)}

This tree is native to the Cape region of BC, but it is commonly planted and has naturalized in many other parts of the peninsula.

Ecoregions: CSS, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, Central & South America, introduced in FL, TX, West Indies, Old World tropics

**Monk Pod, Ape Earring; Guamuchil**
Prospodium mexicanum (Dressler) Burkart
[In Wiggins as Prosopis globosa Gill. ex Hook & Arn. var. mexicana Dressler]
{BC: Moran 28935 (SD 105935)}
This rare BC endemic shrub occurs along the Pacific side of the peninsula from just south of El Rosario south to the vicinity of Santa Rosalilla.
Ecoregions: CSU, CD
DWARF MESQUITE; PALO CHINO

Prosopis articulata S. Watson
[syn = Netluma paezens Britton & Rose]
{BC: Zipplin 57 (SD 132108); BCS: Madie 1079 (SD 93685)}
This uncommon native tree occurs from c BC near Santa Catarina south to the Cape region, but is much more common on the peninsula in BCS. Some specimens appear to intergrade with P. glandulosa var. torreyana.
Ecoregions: CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON BITTER MESQUITE; MEZQUITE AMARGO

*Prosopis glandulosa* Torr. var. glandulosa
{BC: Moran 19097 (SD 82995)}
This very rare non-native species is sometimes planted and is known to naturalize in nw BC between Tijuana & Ensenada.
Ecoregions: CSS; Wider distrib.: Native to ne Mexico, c & sc USA, introduced in AZ, CA, South America, Africa, Asia, Australia.
HONEY MESQUITE; MEZQUITE

Prosopis glandulosa Torr. var. torreyana (L.D. Benson) M.C. Johnst.
[syn = Prosopis odorata Torr. & Frém., Prosopis juliflora (Sw.) DC. var. torreyana L.D. Benson]
Status in CFP: 2B.
{BC: Reeman 5554 (SD 152058); BCS: A. Carter 4269 (SD 68541)}
This common native tree occurs throughout most of the peninsula & on some adjacent Gulf islands, but is less common in BCS. This tree is commonly planted and has naturalized in various parts of our region. It appears that this species intergrades with *P. articulata in some areas of our region.*
Ecoregions: CSS, CHA, CMT, CSU, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, CHH, sw USA & TX
WESTERN HONEY MESQUITE; MEZQUITE

*Prosopis laevigata* (Willd.) M.C. Johnst.
{BC: León de la Luz 3866 (HCB 1830)}
This non-native species has been planted in BCS and is possibly naturalizing near La Paz.
Ecoregions: GCD; Wider distrib.: Widespread in Mexico, South America, introduced in TX
SMOOTH MESQUITE

Prosopis palmeri S. Watson
BCS endemic.
{BC: Zipplin 25 (SD 132106)}
This uncommon BCS endemic species occurs from the SGUAD south to the SGIG and the vicinity of Bahía de Magdalena.

Prosporis pubescens Benth.
{BC: Moran 19160 (SD 83035)}
This uncommon native tree occurs mostly in ne BC near Mexicali & the Colorado River, but it also occurs in nw BC near Valle de Las Palmas & rarely in the SJ.
Ecoregions: CSS, CMT, LCD; Wider distrib.: SON, CHH, sw USA & TX
SCREW-BEAN MESQUITE; TORNILLO

Psorothamnus emoryi (A. Gray) Rydb. var. arenarius (Brandeege)
Barney
{BC: Moran 10050 (SD 83035)}
This very rare non-native species is sometimes planted and is known to naturalize in nw BC between Tijuana & Ensenada.
Ecoregions: CSS; Wider distrib.: Native to ne Mexico, c & sc USA, introduced in AZ, CA, South America, Africa, Asia, Australia.
HONEY MESQUITE; MEZQUITE

Psorothamnus emoryi (A. Gray) Rydb. var. emoryi
[In Wiggins as Dalea emoryi A. Gray, Dalea juncea (Rydb.) Wiggins; syn = Psorothamnus juncus Rydb.]
{BC: West 74 (SD 145713); BCS: Moran 11621 (SD 59463)}
This native shrub occurs from ne BC south to the vicinity of Bahía Concepción.
Ecoregions: LCD, CD, VD, GCD; Wider distrib.: SON, AZ, CA
INDIGO BUSH; JIGUATA

Psorothamnus schottii (Torr.) Barney
[In Wiggins as Dalea schottii Torr.; syn = Dalea schottii var. puberula (Parish) Munz]
{BC: D. Clemens 2373 (SD 133333)}
This native shrub occurs throughout most of the LCD in ne BC and ranges south to the ne CD in the vicinity of Bahía San Luis Gonzaga.
Ecoregions: LCD, CD; Wider distrib.: AZ, CA
INDIGO BUSH; JIGUATA

Psorothamnus spinosus (A. Gray) Barney
[In Wiggins as Dalea spinosa A. Gray]
{BC: Moran 23636 (SD 94800)}
This native shrubby tree occurs from ne BC south to the vicinity of El Barril in se BC.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, sw USA
SMOKE TREE; PALO CENIZO, CORONA DE CRISTO


Rhynchosia minima (L.) DC.
[syn = Dolichos minus L., Rhynchosia minima var. diminifolia Walraven, Dolicholus minus (L.) Medik.]
{BC: Moran 18872 (SD 120775)}
This uncommon native herbaceous vine occurs in BCS from the SGUAD south to the Cape region.
Ecoregions: GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, se USA, West Indies, Central & South America, Old World tropics

**Least Snout-Bean; Ojo de Pájaro, Jacamilla Cimarrona**

*Rhynchosia precatoria* (Humb. & Bonpl. ex Willd.) DC.

\[\text{[syn = Rhynchosia bicolor M. Micheli, Dolicholobus vailiae Rose]}\]

\{(BC: Rebman 17247 (SD 194582); BCS: Rebman 4413 (SD 141611)}\)

This uncommon native vine occurs in the southern half of the peninsula from the SLIB in extreme s BC south to the Cape region.

Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, Central & South America

**Rosary Snout-Bean; ojo de perico, ojo de pájaro, ojo de pájaro**

*Rhinia pseudocacacacca* L.

\[\text{[syn = Robinia pseudocacacca var. rectissima (L.) Raber]}\]

\{(BC: Moran 30549 (SD 110732)}\)

This non-native tree is infrequently planted in nw BC and rarely naturalizes in that region.

Ecoregions: CSS, CHA; Wider distrib.: Native to e USA, naturalized in SON, e & w USA, Canada

**Black Locust**

*Rupertia rigida* (Parish) J.W. Grimes

\[\text{[In Wiggins as Psoralea rigidata Parish]}\]

Status in CFP: 4; Listed: CNPS 4.3.

\{(BC: R.F. Thorne 60730 (SD 124965)}\)

This uncommon native occurs mostly in the mountains & foothills of the SJ & SSPM in nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

**Parish Rupertia, Parish California-Tea**


**Senegalia greggii** (A. Gray) Britton & Rose

\[\text{[In Wiggins as Acacia greggii A. Gray; syn = Acacia greggii var. arizonica Isely]}\]

Status in CFP: 2B.

\{(BC: Moran 18630 (SD 79949); BCS: Wiggins 16228 (DS 515339)}\)

This native shrub occurs commonly in n & nw BC south into the CD, and is rare in extreme n BCS.

Ecoregions: CHA, CMT, LCD, CD, GD; Wider distrib.: SON, n Mexico, sw USA

**Cat-Claw Acacia, Wait-a-Minute Bush; Tezo, Uña de Gato, Gato-Tuño**


\[\text{[syn = Acacia kelloggiana A.M. Carter & Rudd]}\]

BCS endemic.

\{BCS: Rebman 4304 (SD 141641)}\)

This BCS endemic shrub occurs at higher elevations in the SGUAD & in the n SGIG.

Ecoregions: GIG

**Kellogg Acacia; Garabatilla de Espina Negra**

**Senegalia peninsularis** Britton & Rose

\[\text{[In Wiggins as Acacia peninsularis (Britton & Rose) Standl.; syn = Senegalia confusa Britton & Rose]}\]

BCS endemic.

\{BCS: Rebman 5259 (SD 142318)}\)

This uncommon BCS endemic species occurs from the vicinity of San Ignacio south to the Cape region.

Ecoregions: GD, GCD, GIG, MAG, CPL

**Peninsular Acacia; Huizache, Guamuchilillo, Palo Chino, Teso**

**Senegalia wrightii** (Benth.) Britton & Rose


\[\text{[In Wiggins as Acacia wrightii Benth.; syn = Acacia greggii var. wrightii (Benth.) Isely]}\]

\{BC: Wiggins 20816 (TEX); BCS: Wiggins 5447 (CAS 305296)}\)

This very rare native species occurs near El Mayor in ne BC and in the vicinity of San Ignacio in n BCS.

Ecoregions: LCD, GD; Wider distrib.: CHH, COA, NLE, TAM, AZ, NV, TX

**Wright Acacia**


**Senna armata** (S. Watson) H.S. Irwin & Barney

\[\text{[In Wiggins as Cassia armata S. Watson]}\]

\{(BC: Moran 22950 (SD 95538)}\)

This uncommon native shrub occurs in ne BC mostly in the San Felipe Desert area.

Ecoregions: CPL, GD; Wider distrib.: AZ, CA, NV

**Spinny Senna, Desert Senna**

**Senna atomaria** (L.) H.S. Irwin & Barney

\[\text{[In Wiggins as Cassia marginata L. misappl.; syn = Cassia atomaria L.]}\]

\{BCS: Moran 7275 (SD 49912)}\)

This uncommon tropical tree occurs mostly in tropical deciduous forest vegetation of the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America

**Skunk Cassia; Palo Zorrillo, Flor de San José**

**Senna bicapsularis** (L.) Roxb. var. bicapsularis

\[\text{[syn = Cassia marginata L.]}\]

\{BCS: Harder 1122 (MO 433457)}\)

This non-native tree is planted in the Cape region and rarely naturalizes.

Ecoregions: CPL; Wider distrib.: Native to West Indies & South America, widely planted and introduced in Mexico, & other tropical areas worldwide

**Christmas Bush; Palo Zorillo**

**Senna confinis** (Greene) H.S. Irwin & Barney

\[\text{[In Wiggins as Cassia confinis Greene]}\]

\{(BC: Vinton s.n., 16 Apr 2007 (SD 218223); BCS: D. Clemons 139/ (SD 118997)}\)

This species is near-endemic to our region and occurs from the vicinity of Bahía de Los Angeles south to the northern Cape region and on many Gulf islands from Ángel de la Guarda Island to Cerro Alto. In Sonora, it is known from Tiburon Island and intermediates with *S. covesii* occur on San Estéban Island.

Ecoregions: GD, GD, GIG, MAG, CPL; Wider distrib.: SON (Tiburon Island)

**Gulf Cassia; Hojasen, Oiasen, Hoia Sen**
**Senna covesii** (A. Gray) H.S. Irwin & Barneby
[In Wiggins as Cassia covesii A. Gray]
{BC: Moran 28205 (SD 104966)}
*This uncommon species occurs mostly in ne BC but ranges as far south as the vicinity of Cataviña.*
Ecoregions: LCD, CD; Wider distrib.: SON, SIN, sw USA
COUS CASSIA, RATTLEBOX SENNA; HOIASEN, LENTEJILLA, DAISILLO

**Senna didymobotrya** (Fresen.) H.S. Irwin & Barneby
[syn = Cassia didymobotrya Fresen.]
{BC: Rebmam 27064 (SD 234561)}
*This non-native shrub is planted as an ornamental in nw BC and in the Cape region and rarely naturalizes in the Tijuana metro area and at low elevations in the northern Cape of BCS.*
Ecoregions: CSS; Wider distrib.: Native to tropical Africa, introduced JAL, MIC, AZ, CA, FL, West Indies, Central America, Old World tropics
AFRICAN SENNA

**Senna hirsuta** (L.) H.S. Irwin & Barneby var. *glaberrima* (M.E. Jones) H.S. Irwin & Barneby
[syn = Cassia leptocarpa Benth. var. glaberrima M.E. Jones]
{BC: M. Domínguez L. 2067 (SD 145532)}
*This species is likely introduced in BCS, but has naturalized in the Cape region.*
Ecoregions: CPM; Wider distrib.: Native to SON, CHH, TAM, AZ, NM, introduced and widespread in Mexico
WOOLLY SENNA

**Senna obtusifolia** (L.) H.S. Irwin & Barneby
[In Wiggins as Cassia tora L. misappl.; syn = Cassia obtusifolia L., Cassia tora Benth.]
{BC: Pérez Navarro 1391 (SD 146618)}
*This native annual occurs in the Cape region.*
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in tropical Mexico, se USA, West Indies, Central & South America, introduced in Old World tropics
JAVA-BEAN; CAFECELLO, CAFÉ DE GALLINA

**Senna occidentalis** (L.) Link
[In Wiggins as Cassia occidentalis L.; syn = Ditremexa occidentalis (L.) Britton & Wilson]
{BC: C.F. Harbison s.n., 19 Sep 1955 (SD 45929)}
*This rare non-native occurs in the Cape region of BCS.*
Ecoregions: CPL, CPM; Wider distrib.: Probably native to Old World, introduced in SON, SIN, widespread in Mexico, se USA, West Indies, Central & South America
SEPTICWEED, COFFEE SENNA; CAFECELLO, CAFÉ DE GALLINA, BICHO, HEDIONDILLA

**Senna pallida** (Vahl) H.S. Irwin & Barneby var. *pallida*
[In Wiggins as Cassia biflora L.; syn = Cassia pallida Vahl]
{BC: Boutin 4037 (SD 108205)}
*This native shrub occurs throughout most of the Cape region of BCS. This species is highly disjunct in BCS from the rest of the known populations occurring in se Mexico.*
Ecoregions: GCD, MAG, CPL, CPM; Wider distrib.: SON, se Mexico
VELVET SENNA; HOIASEN, LENTEEJILLA, VICH

**Sesbania herbacea** (Mill.) McVaugh
[In Wiggins as Sesbania exaltata (Raf.) Cory; syn = Sesban exaltatus (Raf.) Rydb., Sesbania macrocarpa Muhl. ex Raf., Darwinia exaltata Raf.]
{BC: Burgess 6082 (SD 116933); BCS: M. Domínguez L. 2608 (HCIB 11574)}
*This large native species prefers wetlands and occurs sporadically throughout the peninsula from the vicinity of Mexicalt, Mulegé, Bahía de Magdalena, and in the Cape region.*
Ecoregions: LCD, GCD, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, s USA, West Indies, Central & South America
BIG-POD SESBANIA, HEMP SESBANIA; LA FIBRA, FIBRILLA

**Sesbania villosa** (Mill.) H.S. Irwin & Barneby
[In Wiggins as Cassia villosa Mill.; syn = Cassia articulata Rose, Cassia stellata M. E. Jones]
{BC: Moran 28205 (SD 144874); BCS: Moran 20012 (SD 92717)}
*This shrub is endemic to our region and occurs along the Pacific coast from the vicinity of San Carlos near El Rosario south to Bahía Asuncion in nw BCS.*
Ecoregions: CD, VD
PURPUS SENNA

**Sesbania uniflora** (Mill.) H.S. Irwin & Barneby
[syn = Cassia uniflora Mill., Cassia sericea Sw.]
{BC: M. Domínguez L. 4248 (HCIB 24024)}
*This very rare native species is only known from a single specimen in our region collected in the vicinity of El Rosario near El Triunfo in the Cape region of BCS.*
Ecoregions: CPL; Wider distrib.: Native in SON, SIN, widespread in Mexico, West Indies, Central & South America; introduced in India
ONE-FLOWER SENNA; EJTILLO CHICO, CACAHUATILLO, FRIDILILLO BLANCO

**Spindelospermum constrictum** (A. Gray) H.S. Irwin & Barneby
{BC: Boutin 4037 (SD 108205)}
*This shrub is endemic to our region and occurs along the Pacific coast from the vicinity of San Carlos near El Rosario south to Bahía Asuncion in nw BCS.*
Ecoregions: CD, GIG; Wider distrib.: Disjunct in c Mexico
GOLDMAN SENNA

**Senna purpura** (Brandegee) H.S. Irwin & Barneby
[In Wiggins as Senna purpura Brandegee]
{BC: Rebmam 4906 (SD 144874); BCS: Moran 20012 (SD 92717)}
*This shrub is endemic to our region and occurs along the Pacific coast from the vicinity of San Carlos near El Rosario south to Bahía Asuncion in nw BCS.*
Ecoregions: CD, VD
PURPUS SENNA

**Sesbania villosa** (Mill.) H.S. Irwin & Barneby
[In Wiggins as Cassia villosa Mill.; syn = Cassia articulata Rose, Cassia stellata M. E. Jones]
{BC: M. Domínguez L. 2608 (HCIB 11574)}
*This large native species prefers wetlands and occurs sporadically throughout the peninsula from the vicinity of Mexicalt, Mulegé, Bahía de Magdalena, and in the Cape region.*
Ecoregions: LCD, GCD, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, s USA, West Indies, Central & South America
BIG-POD SESBANIA, HEMP SESBANIA; LA FIBRA, FIBRILLA


**Sphenospermum constrictum** (S. Watson) Rose
{BC: Rebmam 4906 (SD 142948)}
*This uncommon native annual occurs throughout much of BCS from the SGUAID south to the Cape region.*
Ecoregions: GCD, MAG, CPL, CPM; Wider distrib.: SON, SIN, JAL, MIC, NAY, AZ
HOURGLASS PEA-SEED

**Stylosanthes viscosa** Sw.
[syn = Stylosanthes prostrata M.E. Jones]
{BC: Moran 19040 (SD 80280)}
*This uncommon native perennial occurs throughout much of the Cape region of BCS.*
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, TX, West Indies, Central & South America
POORMAN’S FRIEND; HERBA DEL PUJO

*Tamarindus indicus* L.
[syn = Lonchocarpus capensis M.E. Jones]
{BCS: M.E. Jones 27259 (DS 234911)}

This non-native tree is commonly planted in the Cape region and rarely naturalizes in that region.

Ecoregions: GCD, CPL; Wider distrib.: Native to Africa & s Asia, introduced & cultivated widely, frequently naturalizes in Mexico, FL, West Indies, Central America
TAMARIND; TAMARINDO


*Tephrosia cana* Brandegee
{syn = Cracca cana (Brandegee) Rydb., Cracca californica Rydb.}
BCS endemic.
{BC: Turner 254 (SD 62520)}
This rare BCS endemic occurs in the Cape region.
Ecoregions: CPL, CPM
CAPE HOARY-PEA

*Tephrosia cana × T. palmeri* BCS endemic.
{BC: Rauh 25385 (SD 77402)}
This rare hybrid taxon between *T. cana* and *T. palmeri* occurs at lower elevations along the Pacific coast in the western & southern Cape region of BCS.
Ecoregions: CPL
HYBRID CAPE HOARY-PEA

*Tephrosia conzattii* (Ryd.) Standl.
{syn = Cracca conzattii Rydb.}
{BC: León de la Luz 4030 (HCIB 376)}

This very rare native species is only known from one specimen collected in the SLL of BCS. The specimen voucher for this species may represent an extreme form of *T. cana* and needs to be verified.
Ecoregions: CPM; Wider distrib.: w & s Mexico
CONZATTI HOARY-PEA

*Tephrosia palmeri* S. Watson
{syn = Tephrosia purissimae Brandegee, Cracca hamata Rydb.}
{BC: Robert L. Hill s.n., 29 Oct 2008 (SD 193109); BCS: McLaughlin 2091 (SD 116905)}

This species is a near-endemic to our region and occurs mostly at low elevations along the Gulf coast from near Bahía de Los Angeles in se BC south to the Cape region of BCS and on a few adjacent Gulf islands. It occurs rarely away from the coast in the SLIB of BC and near La Purísima in the SGIG of BCS.
Ecoregions: GCD, GIIG, CPL; Wider distrib.: CA
PALMER HOARY-PEA

*Tephrosia saxicola* C.E. Wood
{BC: Rebman 5847 (SD 145379)}

This very rare native species occurs at higher elevations in the Sierra Cacachilas and SLIB of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, JAL
ROCK HOARY-PEA

*Tephrosia tenella* A. Gray
{syn = Tephrosia purpurea (L.) Pers. misappl.}

Tephrosia saxicola C.E. Wood

{BC: Rebman 17337 (SD 194583); BCS: A. Carter 5071 (SD 68557)}
This uncommon native species occurs from the SLIB in s BC south through most of the mountains of BCS to the Cape region.
Ecoregions: CD, GCD, GIIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central America
SLEDGER HOARY-PEA

*Trifolium alboburpurcum* Torr. & A. Gray
{syn = Trifolium columbianum Greene}
Status in CFP: 2B.
{BC: Moran 27289 (SD 102604)}

This uncommon native annual occurs in extreme nw BC on the western side of the SJ.
Ecoregions: CSS, CHA, CMT; Wider distrib.: w USA
RANCHERIA CLOVER

*Trifolium ciliolatum* Bentham.
Status in CFP: 2B.
{BC: Moran 22433 (SD 90135)}

This very rare native species is only known from one specimen in our region in the vicinity of Rosarito.
Ecoregions: CSS; Wider distrib.: CA
FOOTHILL CLOVER, TREE CLOVER

*Trifolium depauperatum* Desv. var. amplectens (Torr. & A. Gray)
McDermott
In Wiggins as Trifolium amplexctens Torr. & A. Gray
Status in CFP: 2A.
{BC: R.F. Thorne 58888 (BCMEX 3691)}

This rare native annual occurs in the vicinity of Colonet in nw BC. Specimens need to be verified since this variety is often confused with var. truncatum.
Ecoregions: CSU; Wider distrib.: CA
BALLON-SACK CLOVER, PALE-SACK CLOVER

*Trifolium depauperatum* Desv. var. truncatum (Greene) Isely
Status in CFP: 2A.
{BC: Rebman 5111 (SD 144260)}

This rare native annual occurs in nw BC and on Guadalupe Island.
Ecoregions: CSS, CHA, PI (Guadalupe); Wider distrib.: CA
WEDGE-LEAF/TRUNCATE BALLON-SACK CLOVER

*Trifolium fragiferum* L.
{syn = Trifolium fragiferum L. subsp. bonannii (K. Presl) Soják}
{BC: Moran 28004 (SD 104046)}

This rare non-native species occurs in the western foothills of the SSPM.
Ecoregions: CHA; Wider distrib.: Native to Europe & Africa, introduced in c & w USA, w Canada
STRAWBERRY CLOVER

*Trifolium gracilentum* Torr. & A. Gray
Status in CFP: 2B.
{BC: Rebman 22933 (SD 90135)}

This rare native annual occurs in nw BC and on Guadalupe Island.
Ecoregions: CSS, CHA, PI (Guadalupe); Wider distrib.: CA
WEDGE-LEAF/TRUNCATE BALLON-SACK CLOVER

*Trifolium hirtum* All.
{BC: Rebman 24199 (SD 98084)}

This rare non-native species occurs in the western foothills of the SSPM.
Trifolium microcephalum Pursh
Status in CFP: 2B.
{BC: Rebman 6821 (SD 155033); BCS: M. Domínguez L. 4066 (SD 189273)}
This uncommon native occurs in the SJ & SSPM of n BC, the SLL of BCS, and on Guadalupe Island.
Ecoregions: CMT, PI (Guadalupe), CPM; Wider distrib.: w USA, w Canada
MAIDEN CLOVER, SMALL-HEAD CLOVER; CASCABELITO

Trifolium obtusiflorum Hook.
Status in CFP: 2A.
{BC: R.F. Thorne 60982 (RSA 346056)}
This rare native species occurs in the western foothills of the SSPM.
Ecoregions: CSS, CHA; Wider distrib.: AZ, CA, ID, OR, w Canada
CREEK CLOVER, CLAMMY CLOVER

Trifolium palmeri S. Watson
[syn = Trifolium gracilentum Torr. & A. Gray var. palmeri (S. Watson) McDermott]
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Rebman 6822 (SD 155034)}
This rare native insular species occurs on Guadalupe Island in our region and also on the Channel Islands of California.
Ecoregions: PI (Guadalupe); Wider distrib.: CA GUADALUPE CLOVER, SOUTHERN ISLAND CLOVER

*Trifolium repens L.*
{BC: M. Domínguez L. 4372 (HCIB 24500)}
This rare non-native occurs in wet & weedy urban areas, but is rarely documented in our region.
Ecoregions: VD; Wider distrib.: Native to Eurasia, introduced in JAL, MIC, MEX, widespread in USA, Canada, Central America
WHITE CLOVER; TRÉBOL BLANCO

Trifolium variegatum Nutt. var. geminiflorum (Greene) Vincent
{BC: Moran 30977 (SD 127429)}
This rare native species occurs in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA, ID, OR, WA
SMALL-FLOWER VARIEGATED CLOVER

Trifolium wigginsii J.M. Gillett
BC endemic. Status in CFP: 1B, 5.
{BC: J. Delgadillo s.n., 10 Apr 1998 (SD 165012)}
This uncommon BC endemic species occurs at higher elevation in the SSPM.
Ecoregions: CMT
WIGGINS CLOVER

Trifolium wildenovii Spreng.
{In Wiggins as Trifolium tridentatum Lindl. var. tridentatum, Trifolium tridentatum var. acicularae (Nutt.) McDermott]
{BC: Rebman 9902 (SD 157612)}
This uncommon native annual occurs in nw BC and on adjacent Los Coronados and Todos Santos islands.
Ecoregions: CSS, CHA, CMT, CSU, PI (Coronados, Todos Santos); Wider distrib.: w USA, w Canada
VALLEY CLOVER, TOMCAT CLOVER

Trifolium wormskjoldii Lehm.
{In Wiggins as Trifolium wormskjoldii (spelling variant)]
Status in CFP: 2B; Listed: NOM A.
{BC: Moran 22154 (SD 90147); BCS: John H. Thomas 7889 (DS 507428)}
This native perennial occurs at higher elevations in the SJ & SSPM of BC and the SLL of BCS.
Ecoregions: CHA, CMT; Wider distrib.: SON, w USA, w Canada
COW CLOVER; TRÉBOL

Vachellia brandegeana (I.M. Johnst.) Seigler & Ebinger
{In Wiggins as Acacia brandegeana I.M. Johnst.; syn = Pithecellobium acuminatum M.E. Jones]
BCS endemic.
{BCS: Moran 20045 (SD 92586)}
This uncommon BCS endemic occurs mostly in the SGIG and ranges from near Mulegé south to the northern Cape region.
Ecoregions: GCD, GIG, MAG, CPL
BRANDEGE ACACIA; TESO, VINORAMA, HUIZACHE

Vachellia californica (Brandegee) Seigler & Ebinger
{In Wiggins as Acacia californica Brodega; syn = Acacia pringlei Rose subsp. californica (Brandegee) Lee, Seigler & Ebinger, Acacia sonorensis Rose}
{BCS: C.F. Harbison s.n., 26 Nov 1956 (SD 135513)}
This rare native occurs in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON
CALIFORNIA ACACIA; HUIZACHE, GUAMUCHILILLO, VINORAMA, TESO

Vachellia campechiana (Mill.) Seigler & Ebinger f. campechiana
{In Wiggins as Acacia cymbispina Sprague & L. Riley; syn = Acacia cochlicanthana Humb. & Bonpl. ex Willd.}
{BCS: Turner 260 (SD 61316)}
This uncommon native occurs in the Cape region of BCS and is especially common near El Triunfo.
Ecoregions: GCD, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico
BOAT-SPINE ACACIA; GUINOLE, HULNOL, CHERAHUI, HUIZACHE

Vachellia constricta (Benth.) Seigler & Ebinger
{In Wiggins as Acacia constricta Benth.; syn = Mimosa arcuta M. Marterns & Galeotti, Acacia constricta Benth. var. paucispina Woot. & Standl.}
Status in CFP: 2B.
{BC: Moran 18638 (SD 79946); BCS: Turner 368 (SD 61210)}
This rare native species occurs in the s SJ of n BC and in the s SGIG of BCS.
Ecoregions: CHA, CMT, GIG, MAG; Wider distrib.: SON, widespread in Mexico, AZ, NM, TX
WHITE-THORN ACACIA; MEZQUITILLO

Vachellia farnesiana (L.) Wight & Arnott var. farnesiana
Vachellia farnesiana (L.) Wight & Arnott var. minuta (M.E. Jones) Seigler & Ebinger
[syn = Acacia farnesiana (L.) Willd. subsp. minuta (M. E. Jones)]
Ebinger, Seigler & H.D. Clarke, Pithecellobium minutum M.E. Jones]
Status in CFP: 3.
{BC: Moran 29481 (SD 108571); BCS: Moran 23840 (SD 95426)}
This uncommon native tree occurs from nw BC south to the Cape region and on Cedros Island.
Ecoregions: CSS, CSU, PI (Cedros), CD, VD, MAG, CPL; Wider distrib.: CA (San Diego County)
DWARF SWEET ACACIA, COASTAL SCRUB ACACIA; HUSSEICE, VINORAMA

Vachellia aff. glandulifera (S. Watson) Seigler & Ebinger
[syn = Acacia glandulifera S. Watson]
{BC: Moran 21473 (SD 89821)}
This native species is based on an enigmatic specimen from the s SJ that has fruits like V. glandulifera, but leaves & stems that are more like V. vernicosa or V. constricta. This species is more common in the Chihuahuan Desert so its occurrence in our region is questionable.
Ecoregions: CMFT; Wider distrib.: n Mexico
GLANDULAR ACACIA

Vachellia pacensis (Rudd & A.M. Carter) Seigler & Ebinger
[In Wiggins as Phaseolus speciosus Kunth]
{syn = Acacia pacensis Rudd & A.M. Carter}
BCS endemic.
{BCS: Burgess 6192 (SD 119185)}
This rare BCS endemic occurs in the vicinity of La Paz and on Espiritu Santo Island.
Ecoregions: GCD
LA PAZ ACACIA

Vicia americana Willd. subsp. americana
[In Wiggins as Vicia americana var. linearis S. Watson]
Status in CFP: 2B.
{BC: Steve Boyd BC174 (UCR 22393)}
This very rare native species is only known from a couple of specimens in nw BC in our region that need to be verified.
Ecoregions: CSS, CMT; Wider distrib.: Widespread in USA & Canada
AMERICAN VETCH

Vicia benghalensis L.
{BC: Wilson s.n., 20-23 Apr 1951 (SD 44671)}
This rare non-native species was found growing with a transplanted historical specimen from Cantillas Canyon on the eastern side of the SJ, but has not been vouchedered otherwise in our region.

Vicia hassei S. Watson
[In Wiggins as Vicia exigua Nutt. var. hassei (S. Watson) Jeps.; syn = Vicia exigua Nutt. var. californica Torr.]
Status in CFP: 2A.
{BC: E. Norland s.n., 12 Apr 1964 (SD 58912)}
This uncommon native species occurs in extreme nw BC and on Guadalupe Island.
Ecoregions: CSS, CHA, CSU, PI (Guadalupe); Wider distrib.: CA, OR
SLENDER VETCH

Vicia ludoviciana Torr. & A. Gray subsp. ludoviciana
[In Wiggins as Vicia exigua Nutt. var. exigua]
Status in CFP: 2B.
{BC: Moran 17418 (SD 74835); BCS: Moran 20134 (SD 92726)}
This uncommon native vine occurs in nw BC along the Pacific coast, on Guadalupe & Todos Santos islands, and rarely in BCS as far south as Bahía de Magdalena.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, South America
WONDERING COW-PEA


Zapoteca formosa (Kunth.) H.M. Hern. subsp. rosei (Wiggins)
H.M. Hern.
{syn = Calliandra rosei Wiggins, Calliandra schottii S. Watson subsp. rosei (Wiggins) Felger & Lowe}
{BCS: Rehman 3665 (SD 142947)}
This rare native shrub occurs in BCS on the sky islands of SSF, SGUA, SGIG, and also in the Cape region.
Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, widespread in w Mexico
ROSE STICK-PEA


Zornia laevis Schltdl. & Cham.
{BCS: R. Domínguez C. 3437 (HCIB 26113)}
This rare native species occurs in the Cape region of BCS and specimens from our region need to be verified. This species differs from Z. reticulata in having a glabrous fruit.
Ecoregions: CFP; Wider distrib.: JAL, MOR, VER
SMOOTH ZORMIA

Zornia reticulata Sm.
{syn = Zornia laevis Schltdl. & Cham., Zornia diphylla (L.) Pers., Zornia gemella Vogel}
{BCS: León de la Luz 8418 (SD 140655)}
This uncommon native species occurs in the Cape region of BCS.
Fagaceae


*Quercus ×acutidens* Torr.
{BC: Webster 30850 (SD 168093)}
This highly variable native shrub is a putative hybrid between *Q. cornelius-mulleri* & *Q. engelmannii*, but it is relatively common in the lower foothills of extreme nw BC and throughout much of San Diego County and should probably be recognized as a functional species. This hybrid taxon has been lumped under the name *Q. dumosa* Nutt. at times.
Ecoregions: CSS, CHA; Wider distrib.: CA
FootHill SCruB oak, torrey SCruB oak; enCinillo, CHaparro

*Quercus agrifolia* Née var. *agrifolia* {BC: Moran 26652 (SD 101698)}
This native tree occurs at lower elevations in extreme nw BC from the USA/Mexico border south to the vicinity of Santo Tomás.
Ecoregions: CSS; Wider distrib.: CA
CoaSt liVe oak; enCino

*Quercus agrifolia* Née var. *oxyadenia* (Torr.) J.T. Howell {BC: Moran 14576 (SD 68161)}
This relatively common native tree occurs in the foothills of the SJ & SSPM in nw BC.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
interior CoaSt liVe oak; enCino

*Quercus ajoensis* C.H. Muller {BCS: Henrickson 8996 (SD 115909)}
This rare native shrub occurs at higher elevations in the SJ, SSPM, and also in a mountain range just northeast of Ensenada.
Ecoregions: CD, GIG; Wider distrib.: AZ
Aio MounTaIn SCruB Oak

*Quercus ajoensis ×* *Q. turbinella* {BC: Moran 20407 (SD 104538)}
These rare intermediate hybrids are known from the SSF & V3V in n BCS.
Ecoregions: CD; Wider distrib.: AZ
Aio HyBrId SCruB Oak

*Quercus ajoensis ×* *Q. oblongifolia* {BCS: J.M. Tucker 4223 (SD 95184)}
This rare hybrid occurs in the SSF of n BCS.
Ecoregions: CD
Sonoran Blue HyBrId Oak

*Quercus albocincta* Trel. {BC: J.P. Donahue 433 (RSA 441320)}
This rare native tree occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN
WhiTe-VEin Oak; Encino RoBle, Encino Prieto

{BCS: León de la Luz 2087 (UC 1568729)}
This rare native tree occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, CHH, COA, DUR, AZ, NM, TX
ARiZONa WhiTE Oak; enCino BlanCO, NAPACO

*Quercus berberidifolia* Liebm.
Status in CFP: 3.
{BC: Moran 13434 (SD 63562)}
This uncommon native shrub occurs in extreme nw BC as far south as the vicinity of Ensenada. This species is often confused with *Q. xacutidens* and *Q. dumosa*.
Ecoregions: CSS, CHA; Wider distrib.: CA
SCRub Oak; Encinillo

*Quercus brandegeei* Goldman BCS endemic.
{BCS: Moran 19031 (SD 80271)}
This BCS endemic tree occurs throughout much of the Cape region at lower elevations.
Ecoregions: CPL, CPM
BRandegee Oak; Encino Arroyero, Encino Bellotero, Encino BlanCO

*Quercus cedrosensis* C.H. Muller Status in CFP: 4, 8; Listed: CNPS 2.2.
{BC: Moran 13250 (SD 62903)}
This near-endemic species occurs on Cedros Island, SBOR, & in nw BC. It is also known from a few populations on Otay Mountain in extreme southwestern San Diego County.
Ecoregions: CSS, CHA, CSU, CD, PI (Cedros); Wider distrib.: CA
(San Diego County)
CEDroS Oak; Encino, RoBle

*Quercus chrysolepis* Liebm. {BC: Moran 15591 (SD 68452)}
This uncommon species occurs in nw BC at higher elevations in the SJ, SSPM, and also in a mountain range just northeast of Ensenada.
Ecoregions: CHA, CMT; Wider distrib.: SON, CHH, sw USA
CanyOn liVe Oak, golden Oak, Maul Oak; Encino RoBle, Encino DULCE

*Quercus cornelius-mulleri* Nixon & K.P. Steele Status in CFP: 2A.
{BC: Moran 15567 (SD 68431)}
This uncommon shrub occurs in extreme n BC at the northern end of the SJ.
Ecoregions: CHA, CMT; Wider distrib.: CA
DEsERT SCRub Oak, MULLer Oak

*Quercus devia* Goldman BCS endemic.
{BCS: A. Carter 3364 (SD 49025)}
This uncommon BCS endemic tree occurs in the SLL of the Cape region.
Ecoregions: CPM
CAPE BlACK Oak; Encino NEgRO

*Quercus dumosa* Nutt.
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: Moran 14051 (SD 64723)}
This rare shrub occurs along the immediate Pacific coast from the USA/Mexico border south to the vicinity of Colonel in nw BC.
Ecoregions: CSS; Wider distrib.: CA
NuTTAl SCrub Oak, CoaSTal Sage SCRub Oak; Encinillo, CHaparrO
Quercus engelmanii Greene
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 26225 (SD 104373)}
This rare tree occurs in extreme nw BC just south of Tecate. 
Ecoregions: CHA; Wider distrib.: CA
MESO BLUE OAK, ENGELMANN OAK; ENCINO AZUL

Quercus kelloggii Newb.
Status in CFP: 2A.
{BC: H. Rodríguez (BCMEX 3140)}
This tree is very rare in our region and occurs in nw BC in the southern part of the SJ.
Ecoregions: CHA; Wider distrib.: CA, OR
CALIFORNIA BLACK OAK; ROBLE NEGRO

Quercus laeta Liebm.
{BCS: M. Domínguez L. 720 (SD 161930)}
This rare tree occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: Widespread in Mexico, except northern MEXICAN RED OAK; ENCINO ALGODONCILLO, ENCINO COLORADO

Quercus oblongifolia Torr.
{BC: Rebman 17258 (SD 194584); BCS: Moran 23873 (SD 95414)}
This uncommon tree occurs mostly in the SLIB of s BC and in the SSF & SGUAD of n BCS. It is rare in the SLL of the Cape region. 
Ecoregions: CD, GIG, CPM; Wider distr.: SON, CHH, COA, AZ, NM, TX
MEXICAN BLUE OAK, SONORAN BLUE OAK; ENCINO AZUL, ENCINO LAVEL

Quercus palmeri Engel.
{In Wiggins as Quercus dunnii Kellogg ex Curran]
Status in CFP: 4.
{BC: Moran 23754 (SD 94725)}
This uncommon species occurs in the higher elevation foothills of the SJ & SSPM of n BC.
Ecoregions: CHA, CMT, Wider distr.: AZ, CA
PALMER OAK; ENCINO

Quercus peninsularis Trel.
{BC: Moran 15511 (SD 68911)}
This BC endemic species occurs on sky island mountains throughout most of the state from the SJ south to the SBOR. 
Ecoregions: CHA, CMT, CD
PENINSULAR OAK; BELLOTA, ENCINO

Quercus rugosa Née
{In Wiggins as Quercus reticulata Humb. & Bonpl.}
{BC: Thomas 7924 (SD 51140)}
This rare native tree occurs in the SLL of BCS. 
Ecoregions: CPM; Wider distr.: SON, widespread in montane Mexico, AZ, Central America
NET-LEAF OAK, WRINKLE-LEAF OAK; ROBLE RUGOSO, ENCINO BLANCO

Quercus tomentella Engel.
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 7834 (SD 50055)}
This very rare insular species occurs on Guadalupe Island. 
Ecoregions: PI (Guadalupe); Wider distr.: CA
ISLAND OAK, CHANNEL ISLAND OAK; ENCINO

Quercus turbinella Liebm.
{syn = Quercus idonea Goldman]

Quercus wislizeni A. DC. var. frutescens Engelm.
Status in CFP: 2A.
{BC: Moran 17932 (SD 76412)}
This rare native shrub occurs in the SJ & SSPM of n BC.
Ecoregions: CHA, CMT; Wider distr.: CA
SCRUB LIVE OAK, SCRUBBY INTERIOR LIVE OAK; ENCINO

Quercus wislizeni A. DC. var. wislizeni
Status in CFP: 2A.
{BC: J. Delgadillo (BCMEX 9756)}
This very rare native tree occurs in the SSPM of n BC. 
Ecoregions: CHA, CMT; Wider distr.: CA
INTERIOR LIVE OAK; ENCINO

Fouquieriaceae

Fouquieria burragei Rose
BCS endemic.
{BCS: A. Carter 5384 (SD 68518)}
This uncommon BCS endemic occurs along the Gulf coast from Mulegé to La Paz and on Espíritu Santo Island. 
Ecoregions: GCD
GULF OCOTILLO; OCOTILLO BLANCO, OCOTILLO DE FLOR, PALO ADÁN

Fouquieria columnaris (Kellogg) Curran
{In Wiggins as Idria columnaris Kellogg}
{BC: D. Clemens 1375 (SD 118965); BCS: Moran 11675 (SD 59756)}
This common & distinctive tree is a near-endemic to Baja California and occurs on the peninsula from the vicinity of San Quintín south to V3V in n BCS. It also occurs on Ángel de la Guarda Island and in coastal Sonora. 
Ecoregions: CSU, CD; Wider distr.: SON
BOOJUM TREE; CIRIO

Fouquieria diguetii (Van Tieghem) I.M. Johnst.
{syn = Fouquieria peninsularis Nash}
{BC: Moran 17192 (SD 77156); BCS: Moran 19661 (SD 92287)}
This common native shrub occurs from the vicinity of El Crucero in s BC south to the Cape region, on various Gulf islands, and on Santa Margarita & Magdalena islands in the Pacific. 
Ecoregions: CD, VD, GCD, GIG, MAG, CPM; Wider distr.: SON, SIN
ADAM’S TREE; PALO ADÁN
**Frankeniaceae**

*Frankenia palmeri* S. Watson

(DB: Madie 705 (SD 93674); BCS: R. Philipbrick 40 (SD 171855))

This common native subshrub prefers coastal and inland alkaline wet areas and occurs mostly on the Pacific coast from Colonet to Bahía de Magdalena and on the adjacent islands of Cedros, San Benitos & Natividad. It also occurs on the Gulf coast from San Felipe south to Bahía de Los Angeles and on adjacent Ángel de la Guarda Island.

Ecoregions: CSU, PI, LCD, CD, LD, MAG; Wider distr.: SON, CA (San Diego County)

PALMER FRANKENIA, PALMER SEA-HEALTH; YERBA REUMA, CEMILLINA

*Frankenia salina* (Molina) L.M. Johnst.

[In Wiggins as Frankenia grandifolia Cham. & Schltdl. var. grandifolia, Frankenia grandifolia var. campestris A. Gray; syn = Ocimum salinum Molina]

(DB: Moran 17844 (SD 75179); BCS: Moran 18251 (SD 78994))

This native subshrub prefers coastal and inland alkaline wet areas and occurs mostly in nw BC, but also on BC and nw BCS in the VD region & rarely in the CD region. It also occurs on Guadalupe & Todos Santos islands.

Ecoregions: CSS, CHA, CSU, PI (Todos Santos, Guadalupe), CD, VD; Wider distr.: SON, CA, NV, South America

ALKALI-HEALTH, ALKALI SEA-HEALTH; YERBA REUMA

**Garryaceae**


*Garrya flavescens* S. Watson

[In Wiggins as Garrya flavescens var. pallida (Eastw.) Bacigalupi]

Status in CFP: 2B.

(DB: Moran 11093 (SD 54738))

This rare native shrub occurs in nw BC at higher elevations in the SJ & SSPM.

Ecoregions: CHA, CMT; Wider distr.: sw USA

ASHY SILK-TASSEL

*Garrya grisea* Wiggins


(DB: Moran 14203 (SD 79663); BCS: Henrickson 8970 (SD 115858))

This shrub is endemic to the peninsula and occurs on the sky island mountains throughout most of BC from the SJ south to the SLIB & also on V3V in n BCS.

Ecoregions: CHA, CMT, CD

SAN PEDRO MARTIR SILK-TASSEL

*Garrya salicifolia* Eastw.

BCS endemic.

{BC: Rebmam 5829 (SD 145377)}

This BCS endemic shrub occurs mostly in the SLL of the Cape region and rarely in the SGIG.

Ecoregions: GIG, CPM

WILLOW SILK-TASSEL, RAMA PRIETA, YERBA PRIETA

**Gentianaceae**

*Centaurium capense* Broome

BCS endemic.

{BC: M. Dorniguez L. 143 (SD 130804)}

This BCS endemic occurs most commonly in the SLL, but also at lower elevations in the Cape region and in the s SGIG.

Ecoregions: GIG, CPL, CPM

CAPE CENTAURY

*Centaurium pulchellum* (Sw.) Druce

{BC: A.W. Anthony s.n., 1897 (MO 1809127)}

This rare non-native is only known in our region from one historical specimen collected at San José del Cabo in 1897.

Ecoregions: CPL; Wider distr.: Native to Europe, introduced & widespread in USA & Canada

LESSE CENTAURY, BRANCHED CENTAURY

*Eustoma exaltatum* (L.) Salisb. ex G. Don subsp. exaltatum

{syn = Eustoma barkleyi Standl. ex Shinners}

{BC: Moran 7520 (SD 49360); BCS: Rebmam 7528 (SD 158984)}

This uncommon native species occurs mostly in wet, alkaline desert areas and ranges from ne BC south to the Cape region.

Ecoregions: CSS, CHA, CSU, PI, CD, VD, GCD, GIG; Wider distr.: SON, SIN, widespread in Mexico, sw & se USA, West Indies, Central & South America

ALKALI CHALICE, CATCHFLY PRARIE GENTIAN


**Gentianella amarella** (L.) Börner subsp. *acuta* (Michx.) J.M. Gillett

{syn = Gentianella fimbrilinguis G.L. Nesom, Amarella plebeja (Ledeb. ex Spreng.) Greene, Amarella plebeja var. holmii (Wettst.) Ryd., Amarella strictiflora (Ryd.) Greene, Gentiana amarella L. auct. p.p., Gentiana amarella subsp. acuta (Michx.) Hultén, Gentiana amarella var. acuta (Michx.) Herder, Gentiana amarella var. stricta (Griseb.) S. Watson, Gentiana plebeja Ledeb. ex Spreng., Gentiana plebeja var. holmii Wettst., Gentiana amarella var. plebeja (Ledeb. ex Spreng) Hultén, Gentiana acuta Michx., Amarella acuta (Michx.) Raf.]

Status in CFP: 2B.

{BC: Moran 14220 (SD 79689)}

This rare native species occurs at higher elevations in the SSPM of n BC.

Ecoregions: CMT; Wider distr.: Widespread in w & n USA & Canada

NORTHERN GENTIAN, AUTUMN DWARF GENTIAN

*Fraseria parryi* Torr.

[In Wiggins as Swertia parryi (Torr.) Kuntze]

{BC: Moran 15094 (SD 69227)}

This uncommon native occurs in the upper foothills and mountains of the SJ & SSPM in n BC.

Ecoregions: CHA, CMT, CD; Wider distr.: AZ, CA

DEER’S EARS

Zeltnera davyi (Jeps.) G. Mans.
[syn = Centaurium davyi (Jeps.) Abrams, Centaurium exaltatum (Griseb.) Piper var. davyi Jeps.]
{BC: Rebman 17267 (SD 194587)}
This very rare native annual is only known from two occurrences in our region in the SLIB and near El Rosario.
Ecoregions: CD; Wider distrib.: CA

Davy CENTAURY

Zeltnera exaltata (Griseb.) G. Mans.
[In Wiggins as Centaurium exaltatum (Griseb.) Piper; syn = Centaurium nuttallii (S. Watson) A. Heller, Cicendia exaltata Griseb., Erythreaa douglasii A. Gray, Centaurium namophilum Reveal]
{BC: Rebman 16351 (SD 75345)}
This uncommon native annual prefers wetlands and occurs in the mountains & foothills of n BC as far south as the vicinity of San Quintín.
Ecoregions: CSS, CHA, PI (Guadalupe); Wider distrib.: Native to s Europe, introduced in CA, OR

Tall CENTAURY, DESERT CENTAURY

Zeltnera nudicaulis (Engelm.) G. Mans.
[In Wiggins as Centaurnium nudicaule (Engelm.) B.L. Rob.; syn = Centaurium peninsulare Brandegee]
{BC: Rebman 17311 (SD 194586); BCS: Thomas 7884 (SD 50124)}
This rare native annual occurs in the SLIB of s BC, the SGUAD of n BCS, and the SL of the Cape region.
Ecoregions: CD, GIG, CPM; Wider distrib.: SON, SIN, AZ, NM, TX

Santa Catalina Mountain CENTAURY

Zeltnera venusta (A. Gray) G. Mans.
[In Wiggins as Centaurnium venustum (A. Gray) B.L. Rob.]
{BC: Rebman 23534 (SD 95685)}
This uncommon native annual occurs in nw BC and on Cedros Island.
Ecoregions: CSS, CHA, CMT, CSU, PI (Cedros); Wider distrib.: CA

California CENTAURY, CANCHALAGUA

Geraniaceae

California macrophylla (Hook. & Arn.) J.J. Aldasoro, C. Navarro, P. Varg
[In Wiggins as Erodium macrophyllum Hook & Arn.; syn = Erodium macrophyllum Hook & Arn. var. californicum (Greene) Jeps.]
Status in CFP: 1B; Listed: CNPS 1B.1.
{BC: Rebman 22375 (SD 91524)}
This uncommon native annual is only known from a couple of occurrences in nw BC in the vicinity of San Quintin & Tecate.
Ecoregions: CSS, CSU; Wider distrib.: CA, OR

California FILAERE, ROUND-LEAF FILAERE

*Erodium botrys (Cav.) Bertol.
{BC: Rebman 28336 (SD 105234)}
This non-native, weedy annual occurs in urban & disturbed areas in extreme n BC between Tijuana & Ensenada.
Ecoregions: CSS, PI (Coronados); Wider distrib.: Native to s Europe, introduced in CA, OR, TX

Long-BEAK FILAERE, Long-BEAK STORK’S BILL

*Erodium brachycarpum (Godron) Thell.
{syn = Erodium obtusiplicatum (Maire, Weiller, & Wilczek) J.T. Howell}
{BC: Moran 22931 (SD 95507)}
This non-native, weedy annual occurs in urban & disturbed areas in extreme n BC between Tijuana & Ensenada and on Guadalupe Island.
Ecoregions: CHA, PI (Guadalupe); Wider distrib.: Native to s Europe, introduced in CA, OR

Short-BEAK FILAERE, Short-BEAK STORK’S BILL

*Erodium cicutarium (L.) Aiton
{BC: Rebman 15035 (SD 69272); BCS: Steve Boyd 8117 (RSA 576760)}
This uncommon non-native, weedy annual occurs throughout most of BC and on various adjacent Pacific Islands. It is still rather rare in extreme n BCS.
Ecoregions: CHA, CMT, CSU, PI, LCD, CD, FD; Wider distrib.: Native to Eurasia, introduced in SON, widespread in Mexico, USA, & Canada, Central & South America, n Africa, se Asia

White-STEM FILAERE, WHITE-STEM STORK’S BILL, ALFILERILLO

Erodium texanum A. Gray
Status in CFP: 2B.
{BC: Moran 25348 (SD 101321); BCS: Moran 19879 (SD 92781)}
This uncommon non-native, weedy annual occurs in urban & disturbed areas in nw BC between Tijuana & San Quintin and on various adjacent Pacific islands.
Ecoregions: CSS, CSU, PI; Wider distrib.: Native to Europe, introduced in c & s Mexico, w & ne USA, Central & South America

Desert FILAERE, DESERT STORK’S BILL; ALFILERILLO BLANCO


Geranium caespitosum E. James
{syn = Geranium atropurpureum A. Heller, Geranium gracile Engelm.] Status in CFP: 2B.
{BC: Moran 15668 (SD 96080)}
This uncommon native perennial occurs at higher elevations in the SJ & SSPM.
Ecoregions: CHA, CMT; Wider distrib.: SON, n Mexico, AZ, CO, NM, NV, TX, UT, WY

Western Purple CRANE’S BILL, PINEY WOODS GERANIUM

Geranium carolinianum L.
{syn = Geranium sphaerospermum Fernald] Status in CFP: 2B.
{BC: Moran 23189 (SD 95507)}
This common non-native, weedy annual occurs in urban & disturbed areas in nw BC between Tijuana & San Quintin and on various adjacent Pacific islands.
Ecoregions: CHA, CMT, CSU, PI; LCD, CD, FD; Wider distrib.: Native to Eurasia, introduced in SON, widespread in Mexico, USA, & Canada, Central & South America

White-STEM FILAERE, MUSKY STORK’S BILL, HERON’S BILL, ALFILERILLO


Geranium caespitosum E. James
{syn = Geranium atropurpureum A. Heller, Geranium gracile Engelm.] Status in CFP: 2B.
{BC: Moran 25348 (SD 101321); BCS: Moran 19879 (SD 92781)}
This uncommon native annual occurs mostly in desert areas of the peninsula from ne BC south into extreme n BCS, but is also found rarely in the CSU region from San Quintin to El Rosario.
Ecoregions: CSU, LCD, CD, FD; Wider distrib.: SON, sw USA

Desert FILAERE, TEXAS FILAERE, DESERT STORK’S BILL


Geranium caespitosum E. James
{syn = Geranium atropurpureum A. Heller, Geranium gracile Engelm.] Status in CFP: 2B.
{BC: Moran 25348 (SD 101321); BCS: Moran 19879 (SD 92781)}
This uncommon native perennial occurs at higher elevations in the SJ & SSPM.
Ecoregions: CHA, CMT; Wider distrib.: SON, n Mexico, AZ, CO, NM, NV, TX, UT, WY

Western Purple CRANE’S BILL, PINEY WOODS GERANIUM

Geranium carolinianum L.
{syn = Geranium sphaerospermum Fernald] Status in CFP: 2B.
{BC: Moran 23189 (SD 95507)}
This common non-native, weedy annual occurs in urban & disturbed areas in nw BC between Tijuana & San Quintin and on various adjacent Pacific islands.
Ecoregions: CHA, CMT, CSU, PI; LCD, CD, FD; Wider distrib.: Native to Eurasia, introduced in SON, widespread in Mexico, USA, & Canada, Central & South America

White-STEM FILAERE, MUSKY STORK’S BILL, HERON’S BILL, ALFILERILLO

Geranium caespitosum E. James
{syn = Geranium atropurpureum A. Heller, Geranium gracile Engelm.] Status in CFP: 2B.
**Geranium flaccidum** Small
BCS endemic.
{BCS: Rebman 5839 (SD 145376)}
This rare BCS endemic occurs in the SLL of the Cape region.
Ecoregions: CFP
CAPE GERANIUM

*Pelargonium panduriforme* Eckl. & Zeyher
{BC: Garcia-Sanchez s.n., 22 Apr 1992 (BCMEX 295)}
This non-native species is often cultivated as an ornamental and rarely naturalizes in nw BC in the vicinity of Ensenada.
Ecoregions: CSS, Wider distrib.: Native to s Africa, widely cultivated and rarely naturalizes in CA
OAK-LEAF GERANIUM

*Pelargonium xhortorum* L.H. Bailey
{BC: G. Vega s.n., 30 Jun 1981 (BCMEX 118)}
This non-native horticultural species is often cultivated as an ornamental and rarely naturalizes in nw BC in urban areas in the vicinity of Tijuana & San Quintin.
Ecoregions: CSS, CSU, PI; Wider distrib.: A hybrid cultivar that is commonly planted and infrequently naturalizes
ZONAL GERANIUM, FISH GERANIUM

**Goodeniaceae**

*Scaevola plumieri* (L.) Vahl
{BCS: Moran 16691 (SD 72923)}
This uncommon native species occurs on beaches in the Cape region, especially on the Pacific side.
Ecoregions: MAG, CPL; Wider distrib.: SIN, widespread in coastal Mexico, se USA, worldwide in tropical & subtropical areas
GULLFEED

**Gratiolaceae**


*Bacopa monnieri* (L.) Wettst.
{BC: Felger 06-9 (SD 191703); BCS: A. Carter 5560 (SD 124363)}
This uncommon native species prefers wetlands and occurs from San Ignacio in n BCS south to the Cape region. Populations in ne BC along the Colorado River are likely adventive.
Ecoregions: LCD, VD, GCD, GIG, CPL, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, se USA, worldwide in tropical & subtropical areas
WATER-HYSSOP, HERB OF GRACE; BARAIMA

*Limosella acutifolia* Sessé & Moc.
Status in CFP: 2B.
{BC: Moran 14442 (SD 79650)}
This rare native species occurs in wetlands at higher elevations of the SJ & SSSP in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: SON, c Mexico, AZ, CA, ID, NV, OR
SOUTHERN MUDWORT

*Limosella aquatica* L.
Status in CFP: 2B.
{BC: Moran 29189 (SD 107193)}
This very rare native species is only known from one historical specimen in our region collected at Laguna Hanson in the SJ of nw BC.
Ecoregions: CMT; Wider distrib.: w & n USA, Canada, Eurasia
WATER MUDWORT

*Mecardonia exilis* (Brandegee) Pennell
{syn = Herpestis exilis Brandegee}
BCS endemic.
{BCS: Rebman 7750 (SD 158895)}
This rare BCS endemic occurs in ephemeral wet areas in the central MAG region & s SGIG.
Ecoregions: GIG, MAG
BAJA CALIFORNIA AXIL-FLOWER

*Mecardonia procumbens* (Mill.) Small var. procumbens
{In Wiggins as Mecardonia vandellioides (Kunth) Pennell; syn = Bacopa procumbens (Mill.) Greenm.}
{BCS: Moran 7394 (SD 49969)}
This uncommon native species occurs in the c SGIG and in the SLL of BCS.
Ecoregions: GIG, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, s USA, Central & South America, introduced in tropical Africa
BABY JUMP-UP, HOJA DE QUEBRANTO

**Schistophragma intermedium** (A. Gray) Pennell
{In Wiggins as Conoba intermedia A. Gray; syn = Leucospora intermedia (A. Gray) Keil}
{BCS: M. Domínguez L. 2877 (HCIB 14882)}
This rare native species occurs in s BCS from near Loreto south to the Cape region. Specimens from BCS need to be verified that they are not first-year, annual forms of *S. polystachyum*.
Ecoregions: GCD, GIG, CPL; Wider distrib.: SON, AZ, NM
HARLEQUIN SPIRALEED

**Schistophragma polystachyum** (Brandegee) B.L. Turner
{In Wiggins as Conoba polystachya (Brandegee) Minod; syn = Leucospora polystachya (Brandegee) Minod, Stemodia polystachya Brandegee}
{BCS: Moran 9045 (SD 66391)}
This uncommon BCS near-endemic occurs from the SGUAD south to the Cape region.
Ecoregions: GCD, GIG, CPL; Wider distrib.: SON
BAJA CALIFORNIA SPIRALEED

**Scoparia dulcis** L.
{BCS: M. Domínguez L. 4195 (SD 189337)}
This rare native species occurs in the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, TX & se USA, West Indies, Central & South America
LICORICE WEED

**Stemodia durantifolia** (L.) Sw. var. durantifolia
{syn = Stemodia arizonica Pennell}
{BC: Moran 6015 (SD 48885); BCS: Thomas 7705 (SD 50031)}
This uncommon native species prefers wetlands and occurs most commonly in the southern half of the peninsula from the SLIB in s BC south to the Cape region of BCS. It also occurs in the lower eastern canyons of the SJ in n BC.
Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, CA, FL, West Indies, tropical America

**BLUE STREAMWORT, PURPLE STEMODIA, WHITE-WOOLLY TWINTIP**

**Stemodia pusilla** Benth.

{BCS: L. Roberts s.n., 3 Feb 2008 (SD 182539)}

This very rare native species has only been documented a couple of times in the Cape region of BCS near Miraflores.

Ecoregions: CPL; Wider distrib.: SIN, JAL, NAY

**Cape Streamwort, Cape twintip**

Ribes brandegeei Eastw.

BCS endemic.

{BCS: T.S. Brandegee s.n., 25 Jan 1890 (UC 79694)}

This very rare BCS endemic occurs at higher elevations in the SLL of the Cape region.

Ecoregions: CPM

**BRANDEGEE CURRANT; GROSSELLA**

Ribes cereum Douglas var. cereum

Status in CFP: 2B.

{BC: Moran 15268 (SD 68104)}

This rare native species occurs at higher elevations in the SSPM of n BC.

Ecoregions: CMT; Wider distrib.: w USA, w Canada

**WAX CURRANT; GROSSELLA**

Ribes indecorum Eastw.

[syn = Ribes malvaceum Sm. var. indecorum (Eastw.) Jancz.]

{BC: Moran 21227 (SD 86393)}

This uncommon native shrub occurs in nw BC as far south as the southern end of the SSPM.

Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: CA

**WHITE-FLOWER CURRANT; GROSSELLA**

Ribes malvaceum Sm. var. viridifolium Abrams

[syn = Ribes viridifolium (Abrams) A. Heller, Ribes purpurascens A. Heller]

Status in CFP: 2A.

{BC: Moran 16713 (SD 72987)}

This rare native shrub occurs in nw BC at lower elevations near the coast as far south as the vicinity of Colonet.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA

**SANTA CATALINA CURRANT, EVERGREEN CURRANT; GROSSELLA**

Ribes quercetorum Greene

[In Wiggins as Grossularia quercetorum (Greene) Coville & Britton; syn = Ribes congdonii A. Heller]

{BC: Moran 14824 (SD 68481)}

This uncommon native shrub occurs on mountains throughout much of BC from the SJ south to the SLL.

Ecoregions: CHA, CMT, CD; Wider distrib.: AZ, CA

**OAK GOOSEBERRY, ROCK GOOSEBERRY; GROSSELLA**

Ribes sanguineum Pursh var. glutinosum (Benth.) Loudon

[syn = Ribes glutinosum Benth.]

Status in CFP: 1A.

{BC: Palmer 1814 (MO 121369)}

This very rare and possibly extirpated native species is only known from historical specimens collected in 1874 on Guadalupe Island.

Ecoregions: PI (Guadalupe); Wider distrib.: CA, OR

**RED-FLOWER CURRANT, BLOOD CURRANT; GROSSELLA**

Ribes speciosum Pursh

[In Wiggins as Grossularia speciosa (Pursh) Coville & Britton]

Status in CFP: 2A.

{BC: Moran 21657 (SD 90834)}

This native shrub occurs in nw BC at lower elevations near the coast between Tijuana and the vicinity of Colonet.

Ecoregions: CSS; Wider distrib.: CA

**FUCHSIA-FLOWER GOOSEBERRY, GROSSELLA**

Ribes tortuosum Benth.

{syn = Ribes palmeri Vasey & J.N. Rose}


{BC: Moran 11354 (SD 59589); BCS: J. Juan Perez Navarro 962A (SD 142114)}

This shrub is endemic to our region and occurs from the vicinity of Ensenada in nw BC south to the SSF in n BC and on Cedros Island.

Ecoregions: CSS, CSU, PI (Cedros), CD

**BAJA CALIFORNIA CURRANT; GROSSELLA**

Ribes viburnifolium A. Gray

Status in CFP: 4, 6; Listed: CNPS 1B.2.

{BC: Moran 26583 (SD 101656)}

This native shrub occurs in nw BC at lower elevations near the Pacific coast between Tijuana and the vicinity of El Rosario and on adjacent Todos Santos & Cedros islands.

Ecoregions: CSS, CSU, PI (Todos Santos, Cedros); Wider distrib.: CA

**SANTA CATALINA CURRANT, EVERGREEN CURRANT; GROSSELLA**

*Hydrangeaceae*

**Philadelphus microphyllus** A. Gray

[In Wiggins as Philadelphus microphyllus subsp. stramineus (Ryd.b.) C.L. Hitchc.; syn = Philadelphus microphyllus var. stramineus (Ryd.b.) Henrickson]

Status in CFP: 2B.

{BC: Moran 14209 (SD 79762)}

This rare native species occurs in the s SJ & SSPM of nw BC. This species was recognized in the Saxifragaceae in Wiggins (1980).

Ecoregions: CHA, CMT; Wider distrib.: SON, sw USA & TX

**LITTLE-LEAF MOCK-ORANGE**

**Hypericaceae**

**Hypericum anagalloides** Cham. & Schltldl.

Status in CFP: 2B.

{BC: Moran 14468 (SD 79713); BCS: M.E. Jones 27090 (POM 191440)}

This rare native species occurs in the upper foothills and mountains of the SSPM in nw BC and at high elevations in the SLL of BCS.

Ecoregions: CHA, CMT, CPM; Wider distrib.: w USA, w Canada

**TINKER’S PENNY**
Hypericum scouleri Hook.
[syn = Hypericum formosum Kunth var. scouleri (Hook.) J.M. Coult., Hypericum formosum Kunth subsp. scouleri (Hook.) C.L. Hitchc.]
Status in CFP: 2B.
{BC: Moran 30976 (SD 127440)}
This native species occurs in the upper foothills and mountains of the SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: n & c Mexico, w USA, w Canada
SCOULER ST. JOHN’S WORT

Hypericum parvalum Greene
{BCs: Chambers 915 (SD 50375)}
This rare, native perennial occurs at higher elevations in the SLL of the Cape region.
Ecoregions: CPM; Wider distr.: c Mexico
SIEERRA MADRE ST. JOHN’S WORT

Hypericum peninsulare Eastw.
BCS endemic.
{BCs: Moran 7441 (SD 50102)}
This BCS endemic perennial occurs at higher elevations in the SLL of the Cape region.
Ecoregions: CPM
PENINSULAR ST. JOHN’S WORT

Juglandaceae

*Juglans californica* S. Watson
Listed: CNPS 4.2.
{BC: Moran 29873 (SD 110107)}
This very rare non-native tree is sometimes planted in nw BC and has naturalized in the vicinity of Ensenada.
Ecoregions: CSS; Wider distr.: Native to CA, introduced & plantated elsewhere
CALIFORNIA BLACK WALNUT

Koeberliniaceae

Koeberlinia spina Zucc. var. tenuispina Kearney & Peebles
[In Wiggins as Koeberlinia spinosa (no var.)]
{BC: F. Sproat s.n., 8 Apr 1977 (SD 97350); BCS: M. Dominguez L. 734 (HCIB 4122)}
This native shrub has a scattered distribution on the peninsula and occurs in the San Felipe Desert of ne BC, near El Barril in se BC, and in the vicinity of Bahía de Magdalena in w BCS.
Ecoregions: LCD, CD, MAG; Wider distr.: SON, AZ, CA
CRI/CIXION THORN, SLNDER-SPIE ALL THORN; CORONA DE CRISTO, JUNCO

Krameriacese

Krameria bicolor S. Watson
{In Wiggins as Krameria grayi Rose & Painter]
{BC: Reeder 7264 (SD 109583); BCS: Wiggins 18269 (CAS 443477)}
This native species occurs from ne BC south along the eastern side of the peninsula and Gulf of California to the vicinity of Loreto in BCS.
Ecoregions: CHA, LCD, CD, GCD; Wider distr.: SON, n Mexico, sw USA
WHITE R/ATANY; MESQUITILLO, CASAHUL, COSAHUL

Krameria erecta Schult.
{In Wiggins as Krameria parvifolia Benth. var. parvifolia, Krameria parvifolia var. imparata J.F. Macbr., Krameria parvifolia var. glandulosa J.F. Macbr.; syn = Krameria palmeri Rose, Krameria imparata (J.F. Macbr.) Britton, Krameria glandulosa Rose & Painter]
Status in CFP: 2B.
{BC: Moran 30784 (SD 111315); BCS: Rehrman 7639 (SD 157925)}
This native & widespread shrub occurs from desert transition areas of the SJ in n BC south to the Cape region.
Ecoregions: CHA, CMT, LCD, CD, GCD, MAG, GIG, MAG, CPL; Wider distr.: SON, n Mexico, sw USA
PI MA R/ATANY, PURPLE-HEATHER, LITTLE-LEAF R/ATANY; MESQUITIL-LO, COSAHUL

Krameria paucifolia (Rose) Rose
{syn = Krameria canescens Schult. var. paucifolia Rose]
{BCs: Mudie 1201 (SD 93963)}
This native shrub occurs in c & s BCS from the vicinity of Bahía Concepción south to the Cape region.
Ecoregions: GCD, GIG, MAG, CPL; Wider distr.: SON, OAX, SLP
GREEN R/ATANY; MESQUITILLO, COSAHUL

Lamiaceae


Acanthomintha ilicifolia (A. Gray) A. Gray
Status in CFP: 1B, 6; Listed: NOM P. FT. CE. CNPS 1B.1.
{BC: Moran 22372 (SD 91489)}
This rare native annual occurs on clay soils in nw BC from Tijuana south to San Quintín.
Ecoregions: CSS, CSU; Wider distr.: CA
SAN DIEGO THORNMT

*Clerodendrum chinense* (Osbeck) Mabb.
{syn = Clerodendrum fragrans Willd. var. pleniflorum Schauer, Viburnum deltoideum M.E. Jones]
{BCs: M.E. Jones 27305 (SD 93963)}
This very rare non-native species is only known from one historical specimen collected in the Cape region at San José del Cabo by M.E. Jones in September 1930. It is unclear whether this specimen is naturalized or not, but this specimen is also the type for Viburnum deltoideum described by Jones.
Ecoregions: CPL; Wider distr.: Native to China, introduced in FL, West Indies
STICKBUSH


*Clinopodium brownii* (Sw.) Kuntze
{syn = Satureja brownii (Sw.) Briq., Micromeria brownii (Sw.) Benth.]
{BCs: A. Carter 4161 (SD 120828)}
This rare native annual occurs in ephemeral wet areas in c BCS in the c SGIG and in the central MAG region. Ecoregions: GIG, MAG; Wider distrib.: SON, widespread in Mexico, TX & se USA, West Indies, Central & South America

**Clinopodium chandleri** (Brandegee) P.D. Cantino & Wagstaff
[In Wiggins as Satureja chandleri (Brandegee) Druce] Status in CFP: 1B; Listed: CNPS 1B.2. (BC: Moran 17799 (SD 74986)) This rare native shrub occurs in extreme nw BC on specialized substrates from Tecate to Ensenada. Ecoregions: CSS, CHA; Wider distrib.: CA

**Condea decipiens** (M.E. Jones) Harley & J.F.B. Pastore
[In Wiggins as Hyptis decipiens M.E. Jones] BCS endemic.
{BCS: Rebman 5719 (SD 143115)}
This rare BCS endemic shrub occurs in the Cape region of BCS. Ecoregions: CPL, CPM
CAPE DESERT-LAVENDER; SALVIA

**Condea emoryi** (Torr.) Harley & J.F.B. Pastore
[In Wiggins as Hyptis emoryi Torrey var. emoryi, H. e. var. amplifolia I.M. Jtn., H. e. var. palmeri (S. Watson) I.M. Jtn.] Status in CFP: 4. (BC: Rebman 1562 (SD 137124); BCS: Moran 19796 (SD 92456)) This widespread and variable native shrub occurs throughout much of the peninsula from ne BC south to the Cape region. Ecoregions: CMT, CSU, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, NAY, AZ, CA

**Condea laniflora** (Benth.) Harley & J.F.B. Pastore
[In Wiggins as Hyptis laniflora Benth.; syn = Hedeoma insularis (Standl. & Goldm.) Standl., Mesophrorum insularis Standl. & Goldm.] BCS endemic.
{BCS: Rebman 1671 (SD 137123)}
This common BCS endemic species occurs throughout most of BCS from the SGUAD south to the Cape region and on various adjacent Gulf islands. Ecoregions: GCD, GIG, MAG, CPL

**Condea tephrodes** (A. Gray) Harley & J.F.B. Pastore
[In Wiggins as Hyptis tephrodes A. Gray] {BCS: Levin 1740 (SD 121404)}
This uncomon native shrub occurs along arroyo bottoms in the Cape region of BCS. Ecoregions: CMT; Wider distrib.: SIN, NAY
ARROYO DESERT-LAVENDER; SALVIA REAL

**Dracocephalum parviflorum** Nutt.
{syn = Moldavica parviflora (Nutt.) Britton} Status in CFP: 2B. (BC: Moran 14329 (SD 79655))
This rare native species occurs at higher elevations in the SSPM of n BC.

**Hedeoma martirensis** Moran Reference: see *Rhus kearneyi* Moran 1969
{syn = Hedeoma martirense (spelling variant)} BC endemic. Status in CFP: 1B.5. (BC: D. Clemons 2324 (SD 131210))
This rare BC endemic occurs at higher elevations in the SSPM of n BC.

**Hedeoma matomiana** Moran
[In Wiggins as Satureja matomiana (spelling variant)] Status in CFP: 4.

**Hedeoma matomianum** (spelling variant)
[In Wiggins as Hedeoma matomiana (spelling variant)] Status in CFP: 4.

This rare BC endemic occurs mostly on Cerro Matomi and on the southern end of the SSPM of n BC.

Ecoregions: CHA, CD
Matomi False Pennyroyal

Hedeoma aff. nana (Torr.) Briq. subsp. californica W.S. Stewart

[syn = Hedeoma nanum subsp. californicum (spelling variant)]

{BC: Rebmam 10001 (SD 155388)}

This rare native taxon occurs in the SASAM and the specimens are slightly different from typical H. n. and may represent an undescribed taxon.

Ecoregions: CD; Wider distrib.: SON, AZ, CA, NV
California False Pennyroyal; Orégano

Hedeoma tenuiflora Brandegee

{syn = Hedeoma tenuiflorum (spelling variant)]

BC endemic.

{BC: Rebman 17347 (SD 194589)}

This very rare BC endemic occurs mostly in the SLIB & rarely in the SBOR of s BC.

Ecoregions: CD
Libertad False Pennyroyal

*Leonotis nepetifolia* (L.) R. Br.

{BCS: Vinton 29 (SD 139785)}

This non-native species is commonly planted as an ornamental and has naturalized rarely in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: Native to tropical Africa & s India, introduced in SON, SIN, c & s Mexico, TX & se USA, West Indies
Christmas Candlestick

**Lepechinia cardiphylla** Epling

Status in CFP: 1B; Listed: CNPS 1B.2.

{BC: Moran 13268 (SD 160819)}

This rare native species occurs in nw BC from Cerro Bola south to the vicinity of Eréndira.

Ecoregions: CSS, CHA; Wider distrib.: CA
Heart-Leaf Pitcher Sage, Santa Ana Pitcher Sage

*Lepechinia ganderi* Epling

Status in CFP: 1B; Listed: CNPS 1B.3.

{BC: Moran 17564 (SD 73104)}

This rare native species occurs in extreme nw BC in the vicinities of Tijuana & Tecate near the USA/Mexico border.

Ecoregions: CSS; Wider distrib.: CA
Gander Pitcher Sage, San Diego Pitcher Sage

*Lepechinia hastata* (A. Gray) Epling subsp. hastata

{BCS: Rebman 5809 (SD 145374)}

This rare native species occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: HI
Cape Pitcher Sage; Chicura de la Sierra, Lengua de Buey, Lavan-da

*Marrubium vulgare* L.

{BC: Moran 14322 (SD 79616); BCS: Moran 23830 (SD 95399)}

This uncommon non-native species occurs mostly in nw BC and on Todos Santos Island, but also in s BC and in the SSF of n BCS.

Ecoregions: CSS, CHA, CMT, PI (Todos Santos), CD, PD; Wider distrib.: Native to Eurasia, introduced in SON, widespread in Mexico, USA, & Canada, a worldwide weed
Horehound; Marrubio

*Mentha aquatica* L.

{BC: Moran 25233 (SD 98634)}

This uncommon non-native is commonly planted and has naturalized in wet areas of nw BC from the vicinity of Tecate south to San Vicente.

Ecoregions: CSS, CHA, CSU; Wider distrib.: Native to Europe, introduced in w & e USA & Canada
Water Mint

*Mentha canadensis* L.

{BC: Moran 27815 (SD 110941)}

This non-native is a cultivated hybrid between *M. aquatica* and *M. spicata* that is known to naturalize rarely in nw BC.

Ecoregions: CSS, CHA; Wider distrib.: Native to Europe, introduced & widespread in USA & Canada
Peppermint

*Mentha ×piperitifolia* (L.) Huds.

{BC: D. Barba s.n., 25 Oct 1982 (BCMEX 452)}

This rare native species occurs in wet areas of the SJ & SSPM in nw BC and is very similar & often confused with the non-native *M. arvensis*.

Ecoregions: CHA, CMT; Wider distrib.: Widespread in USA, e Asia
Wild Mint, American Corn Mint

*Mentha ×rotundifolia* (L.) Huds.

{In Wiggins as *Mentha arvensis* L. var. canadensis (L.) Kuntze; syn = *Mentha arvensis* L. var. villosa (Benth.) S.R. Stewart, *Mentha arvensis* L. var. glabrata (Hook.) Fernald misappl.}

Status in CFP: 2B.

{BC: R.F. Thorne 57030 (SD 122950)}

This rare native species occurs in wet areas of the SJ & SSPM in nw BC and is very similar & often confused with the non-native *M. arvensis*.

Ecoregions: CHA, CMT; Wider distrib.: Widespread in USA, e Asia
Wild Mint, American Corn Mint

*Mentha ×citrata* L.

{syn = *Mentha ×citrata* Ehrh.}

{BC: Moran 29791 (SD 109064); BCS: Rebman 6072 (SD 144596)}

This uncommon non-native is commonly planted and has naturalized in wet areas of nw BC and in the SGUAD of n BCS.

Ecoregions: CSS, CHA, CMT, GIG; Wider distrib.: Native to Europe, introduced & widespread in USA & Canada
Spearmint; Hierba Buena, Menta

*Mentha spicata* L.

{syn = *Mentha viridis* (L.) L.}

{BC: Moran 29791 (SD 109064); BCS: Rebman 6072 (SD 144596)}

This uncommon non-native is commonly planted and has naturalized in wet areas of nw BC and in the SGUAD of n BCS.

Ecoregions: CSS, CHA, CMT, GIG; Wider distrib.: Native to Europe, introduced & widespread in USA & Canada
Spearmint; Hierba Buena, Menta

*Moschus suaveolens* Ehrl.

{syn = *Mentha xrotundifolia* (L.) Huds. misappl.}

{BC: Moran 29363 (SD 106415); BCS: J. Delgadillo 10 Nov 1987 (BCMEX 3367)}

This rare non-native is a cultivated hybrid between *M. suaveolens* and *M. longifolia* that rarely naturalizes in nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: Native to Europe, introduced & widespread in USA & Canada
Spearmint; Hierba Buena, Menta

*Condea* Genus ref. see: Harley 2012.

**Mesophrasera collina** (Brandegee) Harley & J.F.B. Pastore

In Wiggins as *Hypotis collina* Brandegee

BCS endemic.

{BCS: Rebman 27551 (SD 234566)}
This very rare BCS endemic species occurs in the vicinity of Cabo Pulmo in the Cape region.

**Cape Bushminta; Salvia**

*Mesosphaerum suaveolens* (L.) Kuntze

[syn = *Hyptis suaveolens* (L.) Poit.]

{BCS: *M. Domínguez* L. 83 (SD 130801)}

This rare native species occurs in the SSL of BCS.

Ecoregions: CPM; Wider distr.: CA

**Cape Bushminta; Salvia**

*Monardella breviflora* A. Gray subsp. *microcephala* (A. Gray) Elvin & A.C. Sanders

{syn = *Monardella lanceolata* A. Gray var. *microcephala* A. Gray; syn = *Monardella peninsularis* Greene] Status in CFP: 2A.

{BC: Moran 29239 (SD 106100)}

This uncommon native annual occurs mostly in the foothills & mountains of the SJ & SSPM in nw BC & rarely on dunes near the coast at Descanso.

Ecoregions: CSS, CHA, CMT; Wider distr.: CA

**Monardella breviflora**

*Monardella linearis* A. Gray subsp. *linearis*

[syn = *Monardella linearis* subsp. stricta (Parish) Epling misappl.]

{BC: Moran 24239 (SD 106100)}

This uncommon native occurs in the upper foothills & mountains of the SSPM in n BC.

Ecoregions: CHA, CMT; Wider distr.: CA

**Monardella breviflora; Salvia**

*Monardella linearis* A. Gray subsp. *linearis*

{syn = *Monardella linearis* subsp. stricta (Parish) Epling misappl.]

{BC: Moran 15983 (SD 191938)}

This uncommon native occurs in the upper foothills & mountains of the SSPM in n BC.

Ecoregions: CHA, CMT; Wider distr.: CA

**Monardella linearis**

*Monardella stoniana* Elvin & A.C. Sanders


{BC: Moran 17903 (SD 76723)}

This uncommon native occurs in the upper foothills & mountains of the SJ in n BC. Some authors do not recognize subspecies, but some of these appear to be good taxa and more taxonomic research is needed on this species.

Ecoregions: CHA, CMT; Wider distr.: CA

**Monardella stoniana**

*Monardella stoniana* Elvin & A.C. Sanders


{BC: Moran 11837 (SD 160850)}

This very rare native species occurs in extreme nw BC between Tijuana and Ensenada.

Ecoregions: CSS; Wider distr.: CA (San Diego County)

**Monardella stoniana**

*Monardella thymifolia* Greene

{syn = *Monardella viminea* Greene misappl.]

{BC: Moran 27380 (SD 103678)}

This rare native occurs in extreme nw BC between Tijuana and Ensenada.

Ecoregions: PI (Cedros)

**Monardella thymifolia**

*Pogogyne serpylloides* (Torr.) A. Gray

Status in CFP: 1B; Listed: FE. CE. CNPS 1B.1.

{BC: Moran 26019 (SD 100783)}

This very rare native occurs in vernal pools of extreme nw BC near the Tijuana Airport. It should be noted that the population in Tijuana has likely been extirpated.

Ecoregions: CSS; Wider distr.: CA

**Monardella thymifolia**

*Pogogyne serpylloides* (Torr.) A. Gray

Status in CFP: 1A.

{BC: C.R. Orcutt 1361 (UC 25599)}

This very rare native annual occurs in vernal pools and is apparently only known from one historical specimen collected in “Northern Lower California” by Orcutt in 1886. It has not been found in our region since that time. It has also been reported from the San Quintin area.

**Pogogyne serpylloides**
Pogogyne sp. nov.
BC endemic.
{BC: Moran 26445 (SD 101346)}
According to a recent molecular paper (Silveira & Simpson 2013) the population of Pogogyne aff. nualuscula from vernal pools in Valle de las Palmas of nw BC are different genetically and likely represent an undescribed taxon. DNA material was obtained from Elvin 191 (RSA 679273).
Ecoregions: CSS

Valle de Las Palmas Mesa Mint

Pogogyne tenuiflora A. Gray
{BC: Palmer 65 (NY 00429429)}
This very rare BC endemic is only known from Guadalupe Island and one historical specimen collected by Palmer in 1875 and is likely extinct.
Ecoregions: PI (Guadalupe)

Guadalupe Mesa Mint

Poliomintha conjunctrix Epling & Wiggins
{BC: Lindsay s.n., no date (DS 259214)}
This very rare BC endemic is only known from one historical specimen (the type) collected by Lindsay in 1937 on the “Buenas Aires Plains” in the northwestern CD region.
Ecoregions: CD

Baja California Rosemary-Mint

Prunella vulgaris L. var. lanceolata (W.P.C. Barton) Fernald
[In Wiggins as Prunella vulgaris L. subsp. lanceolata (W.P.C. Barton) Hultén]
Status in CFP: 2B.
{BC: Moran 14222 (SD 79680); BCS: K.L. Chambers 924 (UC 10726277)}
This very rare native occurs in the upper foothills & mountains of the SSPM in nw BC and in the SLL of BCS.
Ecoregions: CHA, CMT, CPM; Wider distrib.: SON, widespread in USA & Canada, e Asia

Self-Heal


Salvia apiana Jeps.
{BC: Moran 16270 (SD 75332)}
This common native shrub occurs throughout most of nw BC as far south as the northern CD region.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: CA

White Sage; Salvia Blanca, Salvia Real, Salvia Orejona

Salvia apiana × S. eremostachya
{BC: Moran 14840 (SD 68495)}
This very rare native taxon appears to be a hybrid between S. apiana and S. eremostachya and is only known from a single specimen collected in the desert transition areas of the eastern SJ of n BC.
Ecoregions: LCD

Hybrid White Sage

Salvia brandegeei Munz
[syn = Salvia mellifera Greene subsp. revoluta (Brandegee) Abrams]

Status in CFP: 1B, 6; Listed: CNPS 1B.2.
{BC: Moran 13265 (SD 62962)}
This rare BC near-endemic species occurs along the immediate Pacific coast from Ensenada south to San Quintín.
Ecoregions: CSS, CSU; Wider distrib.: CA (Santa Rosa Island)

Brandegee Sage, Santa Rosa Sage; Salvia de Brandegee

Salvia brandegeei × S. munzii
{BC: Moran 26596 (SD 101616)}
This very rare native taxon appears to be a hybrid between S. brandegeei and S. munzii and is only known from a single specimen collected in the vicinity of Colonet in nw BC.
Ecoregions: CSU

Hybrid Brandegee Sage; Salvia

Salvia californica Brandegee
BC endemic.
{BC: Moran 8470 (SD 54493)}
This species is endemic to our region and occurs mostly in the center of the peninsula from near Bahía de Los Angeles in s BC to the BC/BCS state border. A specimen of this species purportedly collected near Mulegé is probably not from BCS.
Ecoregions: CD, WD

Central Desert Sage; Salvia

Salvia carduacea Benth.
{BC: Moran 28229 (SD 104969)}
This rare native species occurs in the lower western foothills of the SJ in nw BC.
Ecoregions: CSS, CHA; Wider distrib.: CA

Thistle Sage

Salvia cedrosensis Greene
{BC: Oberbauer 63 (SD 127747); BCS: Moran 19805 (SD 92449)}
This species is endemic to our region and occurs on Cedros Island and also on the VPEN of nw BCS.
Ecoregions: PI (Cedros), WD

Cedros Sage; Salvia

Salvia chionopeplica Epling
{BC: Moran 20590 (SD 87270)}
This rare BC endemic occurs in c BC from the southwestern foothills of the SSPM just southeast of El Rosario south to near Cataviña. It is often confused with S. leucophylla, but differs in having a blue flower color, small orange glands on the adaxial leaf surface, and small lower teeth on the calyx.
Ecoregions: CD

Foothill Sage

Salvia clevelandii (A. Gray) Greene
{BC: Moran 17828 (SD 74985)}
This uncommon native shrub occurs throughout most of nw BC from the USA/Mexico border south into the northern CD region in the s SSPM.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA

Cleveland Sage, Fragrant Sage; Salvia

Salvia columbariae Benth.
{BC: Moran 14900 (SD 72299); BCS: H.S. Gentry 7399 (UC 757069)}
This common native annual occurs throughout nw BC and south to the BC/BCS state border. It also occurs on Cedros Island and rarely in the SVIZ of nw BCS.
**Salvia eremostachya** Jeps.
Listed: CNPS 4.3.
{BC: Moran 13142 (SD 62870)}
This uncommon native shrub occurs in the desert transition areas of the eastern SJ of n BC and also in the SASAM & SBOR of s BC. Ecoregions: CMT, LCD, CD; Wider distrib.: CA

**Salvia aff. eremostachya** Jeps.
{BC: C.F. Harbison s.n., 31 May 1952 (SD 44778)}
This very rare native taxon appears to be a hybrid between S. eremostachya and S. apiana or S. vaseyi according to an expert. It is only known from a single specimen collected in the desert transition areas of the eastern SJ in Tajo Canyon of n BC. Ecoregions: LCD

**Hybrid Desert Sage**

**Salvia lapazana** B.L. Turner
BCS endemic.
{BCS: P. Tenorio 10585 (TEX barcode 00229287)}
This very rare BCS endemic occurs in the SLL of the Cape region. Ecoregions: CPL

**La Paz Sage**

**Salvia leucophylla** Greene
Status in CFP: 2A.
{BC: Moran 19563 (SD 84352)}
This rare native shrub occurs on the lower western foothills of the SSPM and near the Pacific coast just north of El Rosario. Ecoregions: CSS, CSU; Wider distrib.: CA

**Purple Sage, San Luis Purple Sage; Salvia Blanca**

**Salvia malvifolia** Epling & Játiva
BCS endemic.
{BCS: Moran 3940 (SD 50167)}
This very rare BCS endemic occurs in the vicinity of Bahía Concepción south of Mulegé. Ecoregions: GCD

**Mallow-Leaf Sage**

**Salvia mellifera** Greene
Status in CFP: 2A.
{BC: Moran 21663 (SD 90836)}
This uncommon native shrub occurs from Tijuana south to near Ensenada in n BC. Ecoregions: CSS; Wider distrib.: CA

**Black Sage; Salvia**

**Salvia misella** Kunth
{BCS: Rehman 1669 (SD 137121)}
This uncommon native annual occurs in BCS from the SGUAD south to the Cape region. Ecoregions: GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central America

**Tropical Sage**

**Salvia moranii** B.L. Turner
BCS endemic.
{BCS: León de la Luz 4798 (SD 139898)}
This very rare BCS endemic occurs at higher elevations in the SLL of the Cape region. Ecoregions: CPM

**Moran Sage**

**Salvia munzii** Epling
Status in CFP: 8; Listed: CNPS 2.2.
{BC: Moran 17542 (SD 73093)}
This common native shrub occurs from Tijuana south to the northern CD region in nw BC. Ecoregions: CSS, CSU, CD; Wider distrib.: CA (San Diego County)

**Munz Sage; Salvia**

**Salvia pachyphylla** Munz subsp. *meridionalis* R. Taylor
{BC: Moran 14370 (SD 79675)}
This BC endemic subspecies occurs at higher elevations in the SJ & SSPM of n BC. Ecoregions: CHA, CMT

**Baja California Rose Sage, Blue Sage; Salvia Rosa**

**Salvia peninsularis** Brandegee
{BC: Rehman 17223 (SD 194590); BCS: Moran 18786 (SD 94450)}
This native species is endemic to our region and occurs on sky islands of the peninsula from the SLIB in s BC south to the c SGIG. Ecoregions: CD, GIG

**Peninsular Sage**

**Salvia platychiella** A. Gray
BCS endemic.
{BCS: Moran 9137 (SD 64863)}
This BCS endemic species occurs on various islands in the southern Gulf from Carmen Island south to Cerralvo. Ecoregions: GCD (Gulf islands)

**Gulf Sage; Salvia**

**Salvia riparia** Kunth
{syn = Salvia privoides Benth.}
{BCS: M.E. Jones 24445 (POM 162692)}
This native annual occurs at higher elevations in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, Central & South America

**Florida Keys Sage; VenenoSage**

**Salvia seemannii** Fernald
{BCS: R. Domínguez C. 3807 (HCIB 27328)}
This rare native species occurs in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, SIN, CHH

**Seemann Sage**

**Salvia setosa** Fernald
{syn = Salvia monantha Brandegee ex Epling}
{BC: F. Gander 9648 (SD 29340)}
This rare native annual occurs sporadically in BCS from the SGUAD south to the Cape region. Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, w Mexico, FL

**Sonoran Sage**
Salvia similis Brandegee
{BCS: Moran 20108 (SD 92450)}
This common BCS near-endemic shrub occurs from the SSF south to the Cape region.
Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON
BAJA CALIFORNIA SUR SAGE

Salvia subincisa Benth.
{BC: Rebman 25162 (SD 223605); BCS: Rebman 4682 (SD 141878)}
This rare native annual occurs in the SLIB of s BC and in the SGUAD of n BCS.
Ecoregions: CD, GIG; Wider distrib.: SON, CHH, AZ, NM, TX
SAWTOOTH SAGE

Salvia lilifolia Vahl
[syn = Salvia fimбриata Kunth, Salvia obvallata Epling]
{BCS: Rebman 30873 (SD)}
This very rare species was discovered in 2015 growing at higher elevations in the Sierra El Taste of the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: CA, OR
LINDEN-LEAF SAGE; CHIA CIMARRONA

Salvia vaseyi (Porter) Parish
Status in CFP: 2A.
{BC: F.W. Peirson 5882 (RSA 82391)}
This very rare native shrub is only known from one historical specimen collected at La Rumorosa in the desert transition area of the ne SJ in extreme n BC.
Ecoregions: LCD; Wider distrib.: CA
WAND SAGE, SCALLOP-LEAF SAGE

Scutellaria mexicana (Torr.) A.J. Paton
[In Wiggins as Salazaria mexicana Torr.]
{BC: Moran 30877 (SD 111258); BCS: Moran 20203 (SD 92453)}
This native shrub occurs throughout most of the CD as far south as V3V in n BCS. It also occurs rarely in the desert transition areas of the e SJ in n BC.
Ecoregions: CMT, CD; Wider distrib.: SON, n Mexico, sw USA & TX
BLADDER-SAGE

Scutellaria tuberosa Benth.
[syn = Scutellaria tuberosa subsp. similis (Jeps.) Epling, Scutellaria tuberosa var. similis Jeps., Scutellaria tuberosa subsp. australis (Jeps.) Epling]
Status in CFP: 2A.
{BC: Moran 14852 (SD 67360)}
This rare native perennial occurs in the foothills to the east of Ensenada in nw BC.
Ecoregions: CSS, CHA; Wider distrib.: CA, OR
DANNY’S SKULLCAP

Stachys ajugoides Benth.
Status in CFP: 2B.
{BC: Rebman 3248 (SD 139549)}
This rare native species occurs from the USA/Mexico border south to the SSPM in nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: w USA, w Canada
BUGLE HEDGE-NETTLE, AUGA HEDGE-NETTLE

Stachys bigelovii A. Gray
{BCS: T.S. Brandegee s.n., 8 Jan 1890 (UC 168578)}
This very rare native is only known in our region from one historical specimen collected by T.S. Brandegee at “Soledad” in 1890. This place name associated with Brandegee’s itineraries is in the vicinity of Bahía de Magdalena in w BCS.
Ecoregions: MAG; Wider distrib.: SON, SIN, n Mexico, TX
ROCK HEDGE-NETTLE

Stachys coccinea Ortega
[In Wiggins as Stachys coccinea Jacq. (illeg. name)]
{BCS: Moran 11728 (SD 59742)}
This uncommon native species occurs in the mountains throughout most of BCS from the SSF south to the SLL.
Ecoregions: CD, GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, n & c Mexico, AZ, NM, TX
SCARLET HEDGE-NETTLE

Stachys rigida Benth. var. quercetorum (A. Heller) G.A. Mulligan & D.B. Munro
{BC: Rebman 2696 (SD 137467)}
This rare native variety occurs mostly near the coast in nw BC, but also in the SSPM.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: w USA
RIGID HEDGE-NETTLE

Stachys stebbinsii G.A. Mulligan & D.B. Munro
{BC: Rebman 5521 (SD 145572)}
This rare native species occurs mostly in the SSPM of nw BC. This species is similar to S. rigida and S. ajugoides, but has very dense glandular hairs on the stem and the lower lip of the corolla is quite large.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
STEBBINS HEDGE-NETTLE

Stachys tenerrima Epling
BCS endemic.
{BC: Rebman 5851 (SD 145372)}
This uncommon BCS endemic occurs in the Cape region.
Ecoregions: CPL, CPM
CAPE HEDGE-NETTLE

Teucrium canadense L. var. canadense
[syn = Teucrium canadense var. angustatum A. Gray]
{BCS: A.J. Gilmartin 2067 (WS)}
This very rare native species has only been documented once in the Cape region of BCS along the road to Los Planes.
Ecoregions: CPL; Wider distrib.: SON, n Mexico, widespread in USA except western, e Canada, Cuba
CANADA GERMANDER

Teucrium glandulosum Kellogg
Status in CFP: 4, Listed: CNPS 2.3.
{BC: Moran 11094 (SD 54721); BCS: Rebman 4336 (SD 141599)}
This uncommon native species occurs in wet areas from the SSPM south to Bahía de Magdalena and on Cedros Island. Ecoregions: CHA, PI (Cedros), CD, VD, MAG; Wider distrib.: SON, SIN, scattered in n Mexico, AZ, CA

Desert Germander, Sticky Germander

Trichostema austromontanum H. Lewis subsp. austromontanum
Status in CFP: 2A.

This rare species occurs in the lower western foothills of the SSPM in nw BC.

Ecoregions: CSS, CHA; Wider distrib.: CA

San Jacinto Bluecurls

Trichostema lanatum Benth.
Status in CFP: 2A.

This rare native species occurs sporadically in nw BC in the vicinity of Tijuana to Tecate and also in the lower foothills west of San Quintín.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA

woolly Bluecurls; romero

Trichostema lanceolatum Benth.
Status in CFP: 2A.

This rare native annual occurs in extreme nw BC between Ensenada and Tijuana and also in the western foothills of the SSPM.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA, OR

Vinegar Weed

Trichostema micranthum A. Gray
Status in CFP: 2B; Listed: CNPS 4.3.

This rare native annual occurs in the higher elevations of the SJ of nw BC.

Ecoregions: CMT; Wider distrib.: CA, OR

Small-Flower Bluecurls

Trichostema parishii Vasey

This native species occurs commonly in the foothills of nw BC from the USA/Mexico border south to the s SSPM.

Ecoregions: CSS, CHA; Wider distrib.: CA

Mountain Bluecurls

*Vitex trifolia* L.

This non-native species is often planted as an ornamental and has apparently naturalized rarely in the vicinity of San Quintín. Note that it is possible that this species is only persisting from abandoned home sites.

Ecoregions: CSU; Wider distrib.: Native to e Africa, introduced in FL

Simple-Leaf Chastetree

Lentibulariaceae

Utricularia macrorhiza Leconte

[In Wiggins as Utricularia vulgaris L. misappl.]

Status in CFP: 2B.

{BC: Wiggins 11267 (RSA 435653)}

This native aquatic is very rare in our region and has only been documented once in Laguna Hanson in the SJ of n BC.

Ecoregions: CMT; Wider distrib.: ne Mexico, widespread in USA & Canada, e Asia

COMMON BLADDERWORT

Linaceae


Hesperolinon micranthum (A. Gray) Small
Status in CFP: 2A.

This rare native annual occurs on clay soils in the foothills of nw BC from the USA/Mexico border south to the vicinity of Cerro Matomí.

Ecoregions: CSS, CHA, CD; Wider distrib.: CA, OR

Thread-stem Dwarf-Flax, Small-Flower Dwarf-Flax

Linum australe A. Heller var. australis

[= Linum aristatum Engelm. var. australis (A. Heller) Kearney & Peebles]

Status in CFP: 2B.

This rare native annual with yellow flowers and fused styles occurs at higher elevations in the SSPM of n BC.

Ecoregions: CMT; Wider distrib.: AZ, CO, MT, NM, NV, TX, UT, WY, & Canada

SOUTHERN FLAX

Linum lewisii Pursh var. lewisii

[= Linum perenne Pursh subsp. lewisii (Pursh) Hult.]

Status in CFP: 2B.

This uncommon native perennial occurs in the foothills and mountains of the SJ & SSPM of nw BC.

Ecoregions: CHA, CMT; Wider distrib.: SON, n Mexico, c & w USA & Canada

Wild Flax, Lewis Flax, Prairie Flax; Linaza

Linum neomexicanum Greene

[= Cathartolinum neomexicanum (Greene) Small]

Status in CFP: 2B.

This rare native annual with yellow flowers and separate styles occurs at higher elevations in the SSPM of n BC.

Ecoregions: CMT; Wider distrib.: SON, CHH, AZ, NM

New Mexico Yellow Flax

Loasaceae

Eucnide aurea (A. Gray) H.J. Thompson & W.R. Ernst

[= Sympetaleia aurea A. Gray]

BCS endemic.

{BCS: Rebman 1658 (RSA 137116)}

This BCS endemic occurs mostly along the Gulf coast from Santa Rosalia south to the s SGIG and on various adjacent Gulf islands.

Ecoregions: GCD, GIG

Gulf Rock-nettle; Pega-pegas

Eucnide cordata Kellogg

Status in CFP: 4.

{BC: Moran 14030 (SD 64816); BCS: Rebman 7037 (SD 158968)}

This widespread native occurs from the vicinity of San Quintín south to the Cape region and on Cedros Island and various Gulf islands.

Ecoregions: CHA, CSU, PI (Cedros), LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN

Baja California Stingbush, Baja California Rock-nettle; Pega-pegas
Eucnide rupestris (Baill.) H.J. Thompson & W.R. Ernst
[syn = Sympetaleia rupestris (Baill.) A. Gray ex S. Watson]
{BC: Moran 14846 (SD 68487); BCS: Moran 11625 (SD 59746)}
This uncommon native species prefers growing on rocky cliff walls and occurs from ne BC south to Bahía Concepción in BCS.
Ecoregions: CMT, LCD, CD, GCD; Wider distrib.: SON, AZ, CA
ANNUAL ROCK-NETTLE, VELCRO PLANT, FLOR DE LA PIEDRA

Eucnide tenella (I.M. Johnst.) H.J. Thompson & W.R. Ernst
[syn = Sympetaleia tenella I.M. Johnst.]
BCS endemic.
{BCS: Moran 19017 (SD 100372)}
This very rare BCS endemic occurs along the Gulf coast and in the s SGIG from Agua Verde to Cerro Méchudo.
Ecoregions: GCD, GIG
GIGANTA STINGNETTLE, GIGANTA ROCK-NETTLE

Eucnide urens Parry
{BC: Moran 13124 (SD 65130)}
This rare native occurs in ne BC between San Felipe and Bahía San Luis Gonzaga.
Ecoregions: LCD; Wider distrib.: sw USA
DESSERT ROCK-NETTLE, DESSERT STINGNETTLE

Schenk, John J., and Larry Hufford. 2010. Taxonomic novel-

Mentzelia adhaerens Benth.
Status in CFP: 2B.
{BC: Wiggins 20882 (SD 66964); BCS: Rehman 7741 (SD 158967)}
This common native species occurs from ne BC near San Felipe south to the Cape region and on Cedros Island and various Gulf islands.
Ecoregions: PI (Cedros), LCD, CD,VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON
BAJA CALIFORNIA STICK-LEAF; PEGA-PEGA DE LAS LOMAS, PEGARROPA, PEGA-ROPA

Mentzelia affinis Greene
{BC: Moran 22033 (SD 91867); BCS: Moran 19950 (SD 92282)}
This rare and scattered native annual occurs mostly in the CD region of BC, but also in the eastern SJ and in the VPEN of nw BCS.
Ecoregions: CMT, CSU, CD,VD; Wider distrib.: SON, sw USA
HYDRA STICK-LEAF, TRIANGLE-SEED BLAZING STAR, YELLOW COMET; PEGA-PEGA

Mentzelia albicaulis (Hook.) Torr. & A. Gray
{BC: Moran 10845 (SD 53811)}
This rare and scattered native annual occurs mostly from San Matías in ne BC to Bahía de los Angeles and also in the eastern SJ and near El Rosario.
Ecoregions: CMT, CSU, CD; Wider distrib.: SON, c & w USA, & Canada
WHITE-STEM BLAZING STAR; PEGA-PEGA

Mentzelia aspera L.
{BCS: Moran 21355 (SD 88043)}
This common native annual occurs throughout most of BCS from the SSF south to the Cape region.
Ecoregions: CD,VD,GIG,MAG,CPL,CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, West Indies, Central & South America
TROPICAL BLAZING STAR; PEGA-PEGA, PEGARROPA, PEGA-ROPA

Mentzelia desertorum (Davidson) H.J. Thompson & J.E. Roberts
{BC: D. Clemons 2363 (SD 133329)}
This very rare native annual occurs in ne BC from the lower eastern side of the SJ south to the vicinity of San Felipe.
Ecoregions: LCD; Wider distrib.: AZ, CA
DESERT STICK-LEAF, DESERT BLAZING STAR

Mentzelia dispersa S. Watson
[syn = Mentzelia pinetorum A. Heller]
Status in CFP: 2B.
{BC: Moran 17703 (SD 75132)}
This very rare native annual has only been documented a couple of times in our region in the vicinity of the s SJ of n BC.
Ecoregions: CHA; Wider distrib.: w & n USA, w Canada
BUSHY BLAZING STAR, PINE STICK-LEAF

Mentzelia hirsutissima S. Watson var. hirsutissima
BC endemic.
{BC: Moran 12916 (SD 62769)}
This BC endemic seems to be restricted to Ángel de la Guarda Island in the Gulf of California. Note that the variation (recognized varieties) of this species needs more taxonomic study in order to better understand the limits and distribution of each in our region.
Ecoregions: CD
ÁN格尔德德拉Guarda BLAZING STAR

Mentzelia hirsutissima S. Watson var. nesiotes I.M. Johnst.
LC endemic. Status in CFP: 1B, 5.
{BC: Moran 20321 (SD 87010); BCS: Moran 19767 (SD 92312)}
This variety is endemic to our region and occurs on the Pacific islands of Cedros, San Benitos, & Natividad, & also on the VPEN of nw BCS.
Ecoregions: PI,VD
SAN BENITOS BLAZING STAR

Mentzelia hirsutissima S. Watson var. stenophylla (Urb. & Gilg)
I.M. Johnst.
[syn = Mentzelia stenophylla Urb. & Gilg]
{BC: Clemon 1601 (SD 120943)}
This uncommon native occurs from the lower eastern side of the SJ in ne BC south to the vicinity of the SBOR and also in the San Quintin area.
Ecoregions: CSU, LCD, CD; Wider distrib.: CA
HARY STICK-LEAF

Mentzelia hispida Willd.
{BCS: T.S. Brandegee s.n., 16 Oct. 1893 (POM 83991)}
This very rare native species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: Widespread in Mexico
HISPID BLAZING STAR; PEGA-PEGA, PEGARROPA, PEGA-ROPA

Mentzelia involucrata S. Watson
[In Wiggins as Mentzelia involucrata S. Watson var. involucrata, Mentzelia involucrata S. Watson var. megalantha I. M. Johnst.]
{BC: Moran 10359 (SD 54631)}
This uncommon native species occurs throughout the LCD region in ne BC from the USA/Mexico border south to Bahía San Luis Gonzaga.
Ecoregions: LCD; Wider distrib.: SON,AZ,CA
SAND BLAZING STAR, WHITE-BRACT BLAZING STAR, SILVER BLAZING STAR; PEGA-PEGA

Mentzelia longiloba J. Darl. var. longiloba
Petalonyx thurberi A. Gray subsp. thurberi
{BC: Moran 27918 (SD 104362)}
*This uncommon native perennial occurs from ne BC south to the vicinity of Bahía San Luis Gonzaga and west to San Quintín.*

*Mentzelia micrantha* (Hook. & Arn.) Torr. & A. Gray
Status in CFP: 2A.
{BC: Moran 22834 (SD 96696)}
*This rare native species occurs in extreme nw BC between Tijuanita & Santo Tomás. It also occurs on Guadalupe Island.*
Ecoregions: CSS, PI (Guadalupe); Wider distrib.: CA
*SANDPAPER PLANT, NARROW-LEAF SANDPAPER PLANT*
Lythrum bryantii Brandegee
BCS endemic.
(BCS: Reeder 7135 (SD 116128))
This rare BCS endemic annual occurs in the c SGIG, Llanos de Hiray, and near La Paz.
Ecoregions: GIG, MAG, GCD
BRYANT LOOSESTRIFE

Lythrum californicum Torr. & A. Gray
(BCS: Moran 16654 (SD 73074); BCS: Moran 7381 (SD 49898))
This native species occurs mostly in nw BC, but also ranges south into the CD region of c BC, and the MAG region & the SLL of BCS.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, MAG, CPM; Wider distrib.: SON, sw & c USA
CALIFORNIA LOOSESTRIFE

Lythrum gracile Benth.
[In Wiggins as Lythrum acinifolium Koehne]
(BCS: Moran 7405 (SD 66721))
This rare native species occurs in the SGIG, Llanos de Hiray, & in the SLL of BCS.
Ecoregions: GIG, MAG, CPM; Wider distrib.: Native to Europe, introduced in w & ne USA & Canada
MEXICAN LOOSESTRIFE

*Lythrum hyssopifolia L.*
(BCS: Moran 14988 (SD 67053))
This uncommon non-native species occurs in wet areas of extreme nw BC between Tijuana & Ensenada.
Ecoregions: CSS; Wider distrib.: Native to Europe, introduced in w & ne USA & Canada
GRASS POLY, HYSSOP LOOSESTRIFE

Malpighiaceae

Callaeum macropterum (DC.) D.M. Johnson
[In Wiggins as Masciiognia macroptera (Sessé & Moc.) Niedenzu]
(BCS: Thomas 7961 (SD 50009))
This uncommon native occurs in BCS from San Ignacio south to the s SGIG.
Ecoregions: VD, GCD, GIG; Wider distrib.: SON, widespread in Mexico, AZ
HILLY HICK; GALLINETA, MATANE, MATAN; GIROTE

Cottisia californica (Benth.) W.R. Anderson & C. Davis
[In Wiggins as Janusia californica Benth.; syn = Cottisia scandens Dubard & Dop]
(BCS: Turner & Hastings 71-107 (SD 92274); BCS: Moran 18789 (SD 94449))
This uncommon native vine occurs throughout BCS and on adjacent Gulf islands & in the SLIB of s BC.
Ecoregions: CD, GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN
CALIFORNIA COTTISIA

Cottisia gracilis (A. Gray) W. R. Anderson & C. Davis
[In Wiggins as Janusia gracilis A. Gray]
(BCS: Moran 24827 (SD 98199); BCS: Moran 8958 (SD 66721))
This uncommon native vine occurs from the lower eastern side of the SJ in n BC south along the eastern side of the peninsula to the vicinity of San Ignacio in n BCS and on a few adjacent Gulf islands.
Ecoregions: CMT, LCD, CD, VD, GCD; Wider distrub.: SON, n Mexico, AZ, NM, TX
SLENDER COTTISIA, SLENDER JANUSIA; FERMINA

Galphimia diversifolia Brandegee
BCS endemic.
(BCS: Roberts 4761 (SD 136176))
This rare BCS endemic shrub occurs from the vicinity of Loreto south to the Cape region of BCS and on various Gulf islands.
Ecoregions: CD, GCD, CPL, CPM
GULF MALPIGISHA; MANZANA, MANZANITA AMARILLA, MARGARITA, MANZANITA DEL MONTE

Galphimia watsonii Rose
[syn = Malpighia ovata Rose misappl.]
(BCS: M. Domínguez L. 2846 (SD 146609))
This very rare native species is only known from one specimen collected near Comondú in BCS and it needs to be verified.
Ecoregions: GIG; Wider distrib.: SON, w Mexico
WATSON MALPIGISHA

Malvaceae


Abutilon abutiloides (Jacq.) Garcke ex Britton & Wilson
[syn = Abutilon americanum (L.) Sweet, Abutilon jacquinii G. Don, Abutilon lignosum (Cav.) G. Don]
(BC: Rebmam 25147 (SD 223607); BCS: Rebmam 9352 (SD 140956))
This rare native species occurs from the SLIB in s BC south to the Cape region of BCS and on various Gulf islands.
Ecoregions: CD, GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, n Mexico, TX
SHRUBBY INDIAN-MALLOW; PINTAPÁN, MALVA RASPOSÁ

Abutilon californicum Benth.
[syn = Abutilon fragile Brandegee, Abutilon leonominii S. Watson]
Status in CFP: 2B.
(BC: Moran 25169 (SD 98369); BCS: Rebmam 4380 (SD 142932))
This widespread and common native species occurs throughout most of the peninsula from Tijuana in nw BC south to the Cape region and on various Gulf islands. It also occurs on Cedros Island in the Pacific ocean.
Ecoregions: CSS, CSU, PI (Cedros), CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, COL, AZ
CALIFORNIA INDIAN-MALLOW
Abutilon dugesii S. Watson
{BC: Rebman 17283 (SD 194592); BCS: Rebman 4558 (SD 142931)}
This uncommon native species occurs mostly on sky islands ranging from the SLIB of s BC south to the SSL of BCS.
Ecoregions: CD, VD, GCD, GIG, MAG, CPM; Wider distrib.: c & s Mexico
DUGES INDIAN-MALLOW

Abutilon incanum (Link) Sweet
{In Wiggins as Abutilon pringlei Hochr.; syn = Abutilon incanum subsp. pringlei (Hochr.) R.S. Felger & Lowe}
{BC: Moran 28198 (SD 105185); BCS: M. Domínguez L. 1682 (SD 146865)}
This common and widespread species occurs throughout most of the peninsula from the lower eastern side of the SJ in extreme n BC south to the Cape region and on a few Gulf islands.
Ecoregions: LCD, CD, VD, GCD, GIG, CPL; Wider distrib.: SON, SIN, AZ, CO, HI, NM
HOARY ABUTILON, INDIAN-MALLOW; PELOTAZO, PELOTAZO Chico, TRONADORA

Abutilon mollicomum (Willd.) Sweet
{syn = Abutilon sonorae A. Gray}
{BC: Rebman 5672 (SD 144613)}
This very rare native species is only known to occur in our region in the SGUAD of n BCS.
Ecoregions: GIG; Wider distrib.: SON, SIN, widespread in Mexico, introduced in s & c USA, South America, Middle East, Australia
Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico and worldwide
CRESTED ANODA; VIOLETA DEL CAMPO

Abutilon parvulum A. Gray
{In Wiggins as Abutilon aurantiacum S. Watson}
{BC: Moran 25123 (SD 98328); BCS: C.F. Harbison s.n., 11 Nov 1952 (SD 44949)}
This common and widespread species occurs throughout most of the peninsula from the lower eastern side of the SJ in extreme n BC south to the Cape region, on Santa Margarita Island, and on various Gulf islands. It also occurs in nw BC in the vicinity of Valle de Las Palmas and near Tijuana.
Ecoregions: CSS, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, TAM, AZ, CA
PALMER INDIAN-MALLOW; MALVA

Abutilon parvulum A. Gray
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Moran 13641 (SD 63501)}
This rare native species occurs near San Matías Pass and at the southern end of the SJ in n BC.
Ecoregions: CHA, LCD; Wider distrib.: SON, CHH, COA, TAM, sw USA
DWARF INDIAN-MALLOW, DWARF ABUTILON

Abutilon trisulcatum (Jacquin) Urban
{BC: Rebman 9666 (SD 153076)}
This very rare native species has only been documented once in our region in the vicinity of Misión Dolores at the southern end of the SGIG in BCS.
Ecoregions: GCD; Wider distrib.: SON, SIN, widespread in Mexico, TX, West Indies, Central America
THREE-SIDED INDIAN-MALLOW, ANGLE-STEM INDIAN-MALLOW; AMANTILLO, MALVA CUESTE, PELOTAZO MANSO, TRONADORA, CHICHEQUES

Abutilon xanti A. Gray
{In Wiggins as Abutilon carterae Kearney}
{BC: Moran 7331 (SD 49906)}
This BCS near-endemic occurs rarely in the SSF, SGUAD, & SGIG, but is more common in the Cape region.
Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN
XANTUS INDIAN-MALLOW

*Alcea rosea L.*
{syn = Althaea rosea (L.) Cav.}
{BC: Moran 28830 (SD 105628)}
This non-native species is commonly planted as an ornamental and has naturalized rarely in nw BC between Ensenada and Tijuana.
Ecoregions: CSS; Wider distrib.: Native to the Mediterranean region, naturalized in SON & widespread in Mexico and worldwide
HOLLYHOCK; ALTEA, AMAPOLA GRANDE, MALVA ROSA, VARA DE SAN JOSE

Anoda acerifolia Cav.
{In Wiggins as Anoda acerifolia (Zucc.) DC.; syn = Anoda zuccagnii (Spreng.) Fryxell}
{BC: Moran 6991 (SD 50624)}
This uncommon native occurs in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico
CRESTED ANODA; VIOLETA DEL CAMPO

Anoda aff. acerifolia
{BC: R. Domínguez C. 2032 (HCIB 15654)}
This very rare native needs to be verified and occurs in the SLL of BCS.
Ecoregions: CPL
CRESTED ANODA

Anoda crenatiflora C.G. Ortega
{BC: Rebman 4615 (SD 141876)}
This uncommon native occurs mostly in mountains in BCS from the SLS of s BC south to the Cape region.
Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ
CRESTED ANODA; PINTAPAN DEL MONTE

Anoda cristata (L.) Schltdl.
{syn = Anoda cristata var. digitata (A. Gray) Hochr., Sida cristata (L.)}
{BC: E.B. Higgins s.n. 17 Nov 1956 (SD 46270)}
This uncommon species is likely native to the Cape region, but is rather weedy and could be adventive in other parts of BCS.
Ecoregions: VD, GIG, CPL, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, introduced in s & c USA, South America, Middle East, Australia
CRESTED ANODA; VIOLETTAS; ALACHE, MALVA DE CASTILLA, AMAPOLA DEL CAMPO, ALTEA, QUESITOS, AMAPOLITA MORADA

Anoda hirta Fryxell
{BC: T.S. Brandegee s.n., 14 Oct 1890 (UC 114039)}
This very rare native species is only known from two specimens: the type from Tamaulipas & a historical specimen collected by Brandegee at “Saucito” on 14 Oct 1890 in the Cape region.
**Anoda lanceolata** Hook. & Arn.  
[syn = Anoda wrightii A. Gray]  
{BCS: T.S. Brandegee s.n., 1 Oct 1899 (UC 138495)}  
This very rare native species occurs in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, c & n Mexico, AZ, NM, TX  
LANCE-LEAF ANODA

**Anoda maculata** Fryxell  
{BCS: León de la Luz 4825 (HCIB 3154)}  
This very rare native species has only been documented once in our region in the SLL of BCS and the specimen needs to be verified.  
Ecoregions: CPM; Wider distrib.: SON, c Mexico  
SPOTTED ANODA

**Anoda palmata** Fryxell  
{BC: Rebman 25240 (SD 223609); BCS: Moran 6892 (SD 50588)}  
This uncommon native species occurs in the SLIB of s BC and in the SGUAD & SGIG of BCS. It is widespread in the Cape region.  
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: GRO, JAL, MIC, NAY  
FINGER-LEAF ANODA

**Anoda pentaschista** A. Gray  
{BC: Rebman 25233 (SD 223608); BCS: A. Carter 5290 (SD 124354)}  
This native species occurs in the SLIB of s BC and in the SGIG of BCS. It is widespread in the Cape region.  
Ecoregions: CD, GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, sw USA  
FIELD ANODA

**Anoda reticulata** S. Watson  
{BC: M. Domínguez L. 624 (HCIB 3569)}  
This rare native species has only been documented once in our region in the lowlands of the southeastern Cape region of BCS.  
Ecoregions: CPL; Wider distrib.: SON, SIN, AZ  
NETTED ANODA

**Anoda thurberi** A. Gray  
{BC: León de la Luz 7465 (HCIB 9334)}  
This rare native species occurs mostly in the SLL of the Cape region of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, widespread in Mexico, AZ, TX  
ARIZONA ANODA

**Ayenia compacta** Rose  
[syn = Ayenia californica Jeps.]  
{BC: Moran 24723 (SD 97929); BCS: Moran 8990 (SD 66421)}  
This widespread native species occurs from the lower eastern side of the SJ in n BC south to the Cape region and on many Gulf islands.  
Ecoregions: CHA, LCD, CD, LD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, AZ, CA  
CALIFORNIA AYENIA

**Ayenia filiformis** S. Watson  
[syn = Ayenia reflexa Brandegee, Ayenia cuneata Brandegee]  
{BCS: T.S. Brandegee s.n., 27 Sep 1899 (UC)}  
This very rare native species has only been documented once in our region by Brandegee in 1899 at Miraflores in the Cape region.  
Ecoregions: CPL; Wider distrib.: SON, SIN, COL, AZ, NM, TX  
TRANS-PECOS AYENIA

**Ayenia glabra** S. Watson  
{BCS: R. Domínguez C. 1010 (SD 139876)}  
This rare native species occurs in the SLL of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, c Mexico, AZ  
SMOOTH AYENIA

**Ayenia insulicola** Cristobal  
{BC: Rebman 4320 (SD 141545)}  
This rare native species occurs in the SLL of BCS.  
Ecoregions: CD, GIG, CPM; Wider distrib.: SON, SIN, CHH, JAL, AZ  
JALISCO AYENIA

**Ayenia peninsularis** Brandegee  
This BCS endemic.  
{BCS: Turner 347 (SD 65689)}  
This BCS endemic occurs in the Cape region.  
Ecoregions: CPL, CPM  
PENINSULAR AYENIA

**Bastardia bivalvis** (Cav.) Kunth  
{BC: M. Domínguez L. 467 (SD 139896)}  
This rare native species occurs in the SGUAD and SLL of BCS.  
Ecoregions: SGIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, South America  
BROOM BASTARDIA; ESCOBAN BABA

**Corchorus hirtus** L.  
{BC: M. Domínguez L. 1902 (SD 189114)}  
This rare native species occurs on Santa Cruz Island in the southern Gulf & in the vicinity of Bahía de Magdalena. Note this genus was previously recognized in the Tiliaceae.  
Ecoregions: GCD, MAG; Wider distrib.: SON, SIN, widespread in Mexico, AZ, TX, sw USA, West Indies, Central & South America  
ORINOCO JUTE; MALVA DE PUERCO

**Eremalche exilis** (A. Gray) Greene  
{syn = Malvastrum exile A. Gray}  
Status in CFP: 2B.  
{BC: Moran 19558 (SD 84553)}  
This rare native species occurs in nw BC as far south as the northwestern portion of the CD region.  
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: SON, sw USA  
TRAILING MALLOW, WHITE MALLOW

**Eremalche rotundifolia** (A. Gray) Greene  
{syn = Malvastrum rotundifolium A. Gray}  
{BC: Moran 14817 (SD 67284)}  
This rare native species occurs in ne BC in the vicinity of Laguna Salada.  
Ecoregions: LCD; Wider distrib.: SON, AZ, CA, NV  
DEER Desert FIVE-Spot

**Fremontodendron californicum** (Torr.) Coville
Status in CFP: 2B.
(BC: Moran 21279 (SD 86902); BCS: Hodgson 9590 (SD 144958))
This rare native shrub occurs mostly in the SJ & SSPM of n BC, but has also been documented from one collection in the SSF of n BCS.
Ecoregions: CHA, CMT, CD; Wider distrib.: AZ, CA
California Flannelbush, California Fremontia; Palo Florido

**Fremontodendron mexicanum** Davidson
Status in CFP: 1B; Listed: NOM P. FE. CR. CNPS 1B.1.
(BC: R.F. Thorne 61039 (RSA 346053))
This very rare native shrub is only known from a few small populations in nw BC mostly in the vicinity of Colonet.
Ecoregions: CSS, CSU; Wider distrib.: CA (sw San Diego County)
Mexican Flannelbush, Southern Fremontia; Palo Florido

**Gossypium armourianum** Kearney
[syn = *Gossypium harknessii* Brandegee subsp. armourianum (Kearney) Roberty]  
BCS endemic.  
(BC: Moran 8936 (SD 63426))  
This rare endemic species occurs in ne BCS along the Gulf coast from north of Santa Rosalía to the vicinity of Mulegé and on San Marcos Island. Fryxell (1988) reports this species occurring in se BC near Bahía San Francisco but no specimens have been found for BC.
Ecoregions: GCD  
San Marcos Cotton; Algodón Cimarrón

**Gossypium davidsonii** Kellogg  
[In Wiggins as *Gossypium klotzschianum* Andersson var. davidsonii (Kellogg) J. B. Hutch.; syn = *Gossypium klotzschianum* Andersson subsp. davidsonii (Kellogg) Roberty]  
(BC: Rebman 3646 (SD 140950))  
This BCS near-endemic species occurs from the SGIG south to the Cape region and in the Gulf from Coronados Island south to Cerralvo. It is also known from Magdalena Island.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, Mexico, AZ, NM  
Arizona Rose-Mallow

**Gossypium harknessii** Brandegee  
[syn = *Gossypium harknessii* Brandegee subsp. armourianum (Kearney) Roberty]  
(BC: D.F. Howe 4439 (SD 80752))  
This BCS endemic species occurs from north of Loreto south to the northern Cape region near La Paz, on Santa Margarita Island and on various adjacent Gulf islands.
Ecoregions: GCD, MAG, CPL  
Baja California Cotton; Algodón Cimarrón, Algodón Silvestre, Algodón de las Mesas

*Gossypium herbaceum* L.  
(BC: T.S. Brandegee s.n., 11 Feb 1899 (UC 109132))  
This non-native species is sometimes cultivated in our region and rarely naturalizes. It is only known from one historical specimen in BCS collected in the vicinity of La Purisima.
Ecoregions: MAG; Wider distrib.: Native to e & s Mexico, West Indies, Central & South America; cultivated and naturalized in SON, SIN, widespread in Mexico, se USA, & worldwide in warm & tropical regions
Levant Cotton; Algodón

*Gossypium hirsutum* L.  
(BC: M.E. Jones 24045 (SD 25341))  
This non-native species is sometimes cultivated in the Cape region and rarely naturalizes.
Ecoregions: CPL; Wider distrib.: Native to e & s Mexico, West Indies, Central & South America; cultivated and naturalized in SON, SIN, widespread in Mexico, se USA, & worldwide in warm & tropical regions
Upland Cotton; Algodón

**Herissantia crispa** (L.) Briz.  
[syn = *Bogenhardia crispa* (L.) Kearney, Gayoides crispum (L.) Small, Abutilon crispum (L.) Medik.]  
(BC: Moran 24883 (SD 98004); BCS: Rebman 7707 (SD 157913))  
This widespread native occurs from the lower eastern side of the SJ south to the Cape region and on a few adjacent Gulf islands. It is relatively common in some parts of BCS.
Ecoregions: CHA, LDC, CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, sw & se USA, West Indies, South America, Old World  
Bladder Mallow, Curly Abutilon, Curly Herissantia; Monacillo Blanco, Pelotazo, Babosilla

**Hermannia palmeri** Rose  
BCS endemic.  
(BC: Moran 19048 (SD 80259))  
This BCS endemic species occurs throughout the Cape region and on San José & Cerralvo islands in the southern Gulf. A specimen collected by C.F. Harbison as “Barril” in 1947 in extreme se BC is way out of range and likely a bad label locality.
Ecoregions: GCD, CPL, CPM  
Palmer Burrostwort; Hierba de la Gangrena

**Hibiscus biseptus** S. Watson  
(BC: Rebman 17257 (SD 194593); BCS: Moran 9047 (SD 66237))  
This uncommon native species occurs from the SLIB in s BC south to the s SGIG and rarely in the Cape region of BCS.
Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON, SIN, nw Mexico, AZ, NM  
Arizona Rose-Mallow

**Hibiscus coulteri** Harv. ex A. Gray  
[syn = *Hibiscus coulteri* var. brevipedunculatus M.E. Jones]  
(BC: Moran 28200 (SD 104964))  
This rare native species occurs in the vicinity of San Matías Pass and on the lower eastern side of the SSPM in n BC.
Ecoregions: LCD; Wider distrib.: SON, n Mexico, AZ, TX  
Desert Rose-Mallow; Amapola

**Hibiscus denudatus** Benth.  
[syn = *Hibiscus denudatus* var. involucellatus A. Gray]  
(BC: Rebman 3163 (SD 139225); BCS: Rebman 3538 (SD 140949))  
This widespread and common native species occurs throughout much of the peninsula from ne BC south to the northern Cape region. It also occurs on Magdalena & Santa Margarita islands in the Pacific and on various Gulf islands.
Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, n Mexico, sw USA  
Rock Hibiscus, Pale Face; Malva Blanca

**Hibiscus ribifolius** A. Gray  
BCS endemic.  
(BC: Roberts 4759 (SD 136174))  
This BCS endemic occurs from the SGUAD south to the Cape region.
Ecoregions: GCD, GIG, CPL  
Cape Rose-Mallow
*Hibiscus rosa-sinensis* L. var. *rosa-sinensis*  

{BCS: M.E. Jones 27159 (POM)}  

This non-native ornamental is commonly planted on the peninsula and has possibly naturalized in the Cape region.  

Ecoregions: CPL; Wider distrib.: Presumably native to e Asia, commonly planted worldwide  

HAWAIIAN HIBISCUS, CHINESE HIBISCUS; GALLARDE, GALLARDETE, LAM-PARILLA

*Hibiscus sabdariffa* L.  

{BCS: (SD 44898)}  

This non-native species is often planted and has apparently naturalized rarely in the vicinity of La Paz.  

Ecoregions: CPL; Wider distrib.: Native to w Africa, commonly planted and naturalized throughout Mexico, pantropical  

ROSIELLE; FLOR DE JAMAICA, ROSA JAMAICA

Horsfordia alata (S. Watson) A. Gray  

[syn = *Sida alata* S. Watson, *Horsfordia palmeri* S. Watson]  

{BC: Moran 17241 (SD 77058); BCS: Rebman 9771 (SD 153903)}  

This uncommon native shrub occurs from near Misión San Fernando Velicatá in c BC south to the Cape region where it is more common. It also occurs on Magdalena & Santa Margarita in the Pacific and a few southern Gulf islands.  

Ecoregions: CD, VD, GCD, GIG, AMG, CPL, CPM; Wider distrib.: SON, AZ, CA  

PINK VELVET-MALLOW; MALVA BLANCA, MARIOLA, MALVA REAL

Horsfordia newberryi (S. Watson) A. Gray  

[syn = *Abutilon newberryi* S. Watson]  

{BC: Moran 24794 (SD 98280); BCS: Moran 8953 (SD 66413)}  

This uncommon native shrub occurs from ne BC south to c BCS in the area of San Juanico and Bahía Concepción. It also occurs on Magdalena & Santa Margarita in the Pacific and a few southern Gulf islands.  

Ecoregions: LCD, CD, VD, GCD, GIG; Wider distrib.: SON, AZ, CA  

ORANGE VELVET-MALLOW; YELLOW FELTPLANT; MALVA AMARILLA

Horsfordia rotundifolia S. Watson  

[syn = *Horsfordia purissima* Brandegee]  

{BC: Moran 12712 (SD 65154); BCS: Rebman 7686 (SD 157910)}  

This uncommon native species occurs from near Catavina in c BC south to the Cape region and on a few adjacent Gulf Islands.  

Ecoregions: CD, VD, GCD, GIG, CPL; Wider distrib.: SON SONORAN VELVET-MALLOW


Kosteletzkya depressa (L.) O.J. Blanch., Fryxell, & D.M. Bates  


{BCS: Mudie 945 (SD 93734)}  

This rare and variable native species in the Cape region of BCS. Some specimens in our region look very different and key to *K. flavicentrum*, but according to Skip Blanchard (an expert in this genus) this species is part of *K. depressa*.  

Ecoregions: CPL; Wider distrib.: SIN, widespread in Mexico, West Indies, Central & South America  

WHITE FENROSE; ATLATZOMILIN


Malacothamnus aboriginum (B. L. Rob.) Greene  

Status in CFP: 1B; Listed: CNPS 1B.2.  

{BC: Moran 24049 (SD 97104)}  

This rare native species occurs at the northern & southern ends of the SJ in n BC.  

Ecoregions: CHA, CMT; Wider distrib.: CA  

INDIAN VALLEY BUSH-MALLOW, GRAY BUSH-MALLOW

Malacothamnus densiflorus (S. Watson) Greene  

[In Wiggins as Malacothamnus densiflorus var. densiflorus, Malacothamnus densiflorus var. viscidus (Abrams) Kearney; syn = Malvastrum densiflorum S. Watson, Malvastrum densiflorum var. viscidum (Abrams) Estes]  

Status in CFP: 2A.  

{BC: Rebman 11843 (SD 160852)}  

This rare native species occurs in nw BC between Tijuana, Tecate, & Ensenada.  

Ecoregions: CSS, CHA; Wider distrib.: CA  

MANY-FLOWER BUSH-MALLOW, YELLOW-STEM BUSH-MALLOW

Malacothamnus fasciculatus (Torr. & A. Gray) Greene var. *fasciculatus*  

[syn = Malacothamnus fasciculatus subsp. laxiflorus (A. Gray) Thorne, Malacothamnus fasciculatus var. laxiflorus (A. Gray) Kearney]  

{BC: Pérez Navarro 762 (SD 141142)}  

This common native shrub occurs throughout most of nw BC from Tijuana south to El Rosario.  

Ecoregions: CHA, CMT, CSU; Wider distrib.: CA  

BUSH-MALLOW, CHAPARRAL BUSH-MALLOW; MALVIA

Malacothamnus foliosus (S. Watson) Kearney  


BC endemic. Status in CFP: 1B, 5.  

{BC: Moran 22923 (SD 95506)}  

This rare BC endemic occurs in the vicinity of Ensenada in nw BC. According to Fryxell (1988) *M. paniculatus* is a synonym for this species, but Bodo Slotta (2004) considers these two taxa as separate species. More taxonomic information is needed.  

Ecoregions: CSS, CHA  

BAJA CALIFORNIA BUSH-MALLOW, MONARCH BUSH-MALLOW

Malacothamnus marrubioides (Durand & Hilg.) Greene  

Status in CFP: 2A.  

{BC: Bates 2375 (UCLA)}  

According to Fryxell (1988) this native species is very rare in our region and only known from a single place in Guadalupe Valley in nw BC.  

Ecoregions: CSS; Wider distrib.: CA  

PINK-FLOWER BUSH-MALLOW


[In Wiggins as *Lavatera arborea* L.]  

{BC: Moran 26500 (SD 101622); BC: Moran 25272 (SD 101199)}  

This non-native is commonly planted along the Pacific coast in our region and has rarely naturalized near Rosarito & El Rosario in nw
BC & possibly at Abreojos in mw BCS. It should be noted that it has been planted on the northern end of Cedros Island. Ecoregions: CSS, CSU, PI (Cedros), VD; Wider distr.: Native to Europe, especially the Mediterranean region, naturalized in CA, OR, Tree Mallow; Malva, Malva Rosa

*Malva assurgentiflora* (Kellogg) M.F. Ray
[In Wiggins as Lavatera assurgentiflora Kellogg] Listed: CNPS 1B.1.
{BC: Moran 27935 (SD 104022)}
This non-native species is commonly planted as an ornamental and has naturalized along the Pacific coast. It occurs from Tijuana in mw BC south to mw BCS near Punto Abreojos and on Todos Santos & Cedros islands.
Ecoregions: PI (Guadalupe)
Guadalupe Island-Mallow; Malva Arbustiva, Malva de Guadalupe

**Malva lindsayi** (Moran) M.F. Ray
[In Wiggins as Lavatera lindsayi Moran] BC endemic. Status in CFP: 1B, 5.
{BC: Moran 15118 (SD 67855)}
This very rare BC endemic occurs only on a couple of islets off of the southern end of Guadalupe Island.
Ecoregions: PI (Guadalupe)
Guadalupe Island-Mallow; Malva Arbustiva, Malva de Guadalupe

**Malva lindsayi × M. occidentalis** BC endemic.
{BC: Moran 5650 (SD 47474)}
This very rare hybrid between M. lindsayi and M. occidentalis occurs only on Outer (Zapato) Islet off the southern end of Guadalupe Island.
Ecoregions: PI (Guadalupe)
Hybrid Guadalupe Island-Mallow

**Malva nicaeensis** All.
{BC: Wiggins 318 (SD 94579)}
This very rare non-native species has only been documented once in our region in extreme mw BC near Tijuana.
Ecoregions: CSS; Wider distr.: Native to Asia Minor & the Mediterranean region; naturalized in c & s Mexico, CA, MT
Britain Mallow

**Malva occidentalis** (S. Watson) M.F. Ray
[In Wiggins as Lavatera occidentalis S. Watson; syn = Lavatera in- paCiFiC iSland-mallow Ecoregions: PI, VD (Asuncion Island)
the Pacific.
Geronimo, Cedros, San Benitos, Natividad, & Asuncion islands in This insular species is endemic to our region and occurs on San Geronimo, Cedros, San Benitos, Natividad, & Asuncion islands in the Pacific.
Ecoregions: PI, VD (Asuncion Island)
Pacific Island-Mallow

**Malva parviflora** L.
{BC: Moran 26566 (SD 101561); BCS: Rebman 5220 (SD 142308)}
This widespread & common non-native prefers disturbed habitats and occurs throughout most of the peninsula and on various Pacific islands.
Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distr.: Native to Europe, Mediterranean, & India, naturalized SON, SIN, widespread in Mexico, USA, Canada, a worldwide weed
Cheeseweed, Little Mallow; Malva, Quesitos, Malva Cimarrona, Malva Blanca, Malva de Castilla, Quesillo

**Malva sylvestris** L.
{BC: Moran 27796 (SD 103213)}
This rare, non-native has only been documented once in our region in mw BC between Tijuana and Tecate.
Ecoregions: CSS; Wider distr.: Native to Europe, Mediterranean, n Africa, & Asia Minor, naturalized in c & s Mexico, widespread in USA & Canada
High Mallow; Malvón

**Malvastrum bicuspidatum** (S. Watson) Rose subsp. bicuspidatum
{BC: Rebman 18642 (SD 200269); BCS: Rebman 4608 (SD 141872)}
This rare native species occurs in the SLIB of s BC and in the SSF & SGUAD of n BCS.
Ecoregions: CD, VD, GIG; Wider distr.: SON, SIN, CHH, AZ
Three-LoBe False-Mallow; Escoba Blanca, Babosilla, Malva, Quesillo, Huinare Chico

**Malvastrum coromandelianum** (L.) Garcke
{syn = Malva coromandeliana L.}
{BC: Rebman 4604 (SD 141871)}
This rare native species occurs sporadically in BCS from the SGUAD south to the Cape region.
Ecoregions: GCD, GIG, CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, naturalized in se USA
Three-LoBe False-Mallow; Escoba Blanca, Babosilla, Malva, Quesillo, Huanare Chico

**Malvastrum hillii** Fryxell, León de la Luz, & Domínguez L.
BCS endemic.
{BCS: M. Domínguez L. 77 (SD 161972)}
This very rare BCS endemic species occurs in the vicinity of La Barrera in the SLL.
Ecoregions: CPM
Hill False-Mallow

**Malvella lepidota** (A. Gray) Fryxell
{syn = Sida leprosa (Ortega) K. Schum. var. deapraparata (A. Gray)
1.Clem.. Sida lepidota A. Gray] {BC: Moran 18558 (SD 80217); BCS: M. Domínguez L. 3398 (HCIB 18276)}
This very rare native species occurs natively in the SGIG of BCS, but the population in the Tijuana area of nw BC is likely adventive.
Ecoregions: CSS, GIG; Wider distr.: SON, n Mexico, AZ, NM, TX
Scurfy Mallow; Oreja de Ratón

**Malvella leprosa** (Ortega) Krapov.
[In Wiggins as Sida hederacea (Dougl. ex Hook.) Torr. ex A. Gray; syn = Sida leprosa (Ortega) K. Schum., Sida leprosa var. hederacea (Dougl. ex Hook.) K. Schum.]
This uncommon native species prefers alkaline substrates and occurs between Tecate & Colónet in nw BC, rarely in salt flats of the VD region, and from Bahía de Magdalena south to the Cape region in BCS.

Ecoregions: CSS, CHA, CMT, CSU, VD, GCD, MAG, CPL; Wider distr.: SON, n Mexico, w & sw USA, South America

Alkali Mallow, White Weed; Manrubio de Castillo, Oreja de Ratón


*Melochia pyramidata* L.

{BC: R. Domínguez C. 462 (SD 126855)}

This species is very rare in our region, questionably native, and is represented by only one specimen collected in the vicinity of Todos Santos in the Cape region of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America, pantropical weed

Pyramid Flower; Hierba China, Malvarosa, Escobilla Morada

*Melochia tomentosa* L. var. *frutescens* (Jacq.) DC.

{syn = Melochia frutescens Jacq.}

{BC: Vinton s.n., 16 Apr 2007 (SD 218222); BCS: Moran 9093 (SD 66222)}

This uncommon variety occurs rarely along the immediate Gulf coast from extreme SE BC south to nearby La Paz. It also occurs on a few southern Gulf islands. It appears to be a small-leaved form of the more widespread variety tomentosa.

Ecoregions: GCD; Wider distr.: NAY, OAX, West Indies, South America

Gulf Teabush; Malvarosa, Malva de las Islas

*Melochia tomentosa* L. var. *tomentosa*

{In Wiggins as Melochia tomentosa L.; syn = Sida rajoideas M.E. Jones}

{BC: Moran 12615 (SD 65354); BCS: Moran 20086 (SD 92660)}

This common native species occurs from the vicinity of Todos Santos in the Cape region of BCS.

Ecoregions: CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America

Teabush; Malvarosa, Malva de los Cerros


*Pseudoabutilon thurberi* (A. Gray) Fryxell

{syn = Abutilon thurberi A. Gray, Pseudoabutilon sonorae Wiggins}

{BCs: Rehman 4653 (SD 141870)}

This rare native species is only known in our region from the SGUAD of n BCS.

Ecoregions: GIG; Wider distr.: SON, AZ

Thurber Indian-Mallow

*Sid a abutilifolia* Mill.

{syn = Sida filiformis Moric. ex Ser., Sida procumbens Sw., Sida supina L.Hér., Sida falcicaulis Torr. & A. Gray}

{BC: Rehman 17232 (SD 194594); BCS: Moran 18818 (SD 94447)}

This uncommon native species occurs from the SLIB in s BC south to the SSF, SGUAD, SGIG, & Cape region of BCS.

Ecoregions: CD, GIG, CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, s USA, West Indies, Central & South America

Spreading Fanpetals, Prostrate Sida, Procumbent Sida; Arrastradilla, Hierba del Buen Día, Yerba de la Viejita

*Sida acuta* Burm. f.

{syn = Sida acuta var. carpinifolia (L.f.) K. Schum., Sida carpinifolia L.f., Sida acuta subsp. carpinifolia (L.f.) Waalkes}

{BCs: León de la Luz 4821 (SD 130790)}

This rare species occurs in the SLL & on the western side of the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, s & se USA, West Indies, pantropical weed

Common Wireweed, Escobilla Blanca, Malva Escobo, Malva Rastera, Malva Serrana

*Sid a alamosana* S. Watson

{BC: Rehman 4614 (SD 141869)}

This rare native species occurs in the SGUAD & in the Cape region of BCS.

Ecoregions: GCD, GIG, CPL, CPM; Wider distr.: SON, SIN, CHH

Alamos Fanpetals

*Sid a ciliaris* L.

{syn = Sida ciliaris var. mexicana (Moric. ex Ser.) Shinners}

{BC: A. Gilbert s.n., 30 Aug 1990 (SD 131231)}

This uncommon native species occurs in the Cape region of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America

Bract Fanpetals; Huinar

*Sid a collina* Schltdl.

{BC: M. Domínguez L. 2894 (SD 146603)}

This rare native occurs in the eastern Cape region of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, s Mexico

Hill Fanpetals

*Sid a glabra* Mill.

{BCs: Thomas F. Daniel 6899 (HCIB 8267)}

This very rare native species is only known from one historical specimen collected in the Sierra San Lazaro of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, widespread in Mexico, FL, West Indies, Central & South America

Smooth Fanpetals

*Sid a glutinosa* Cav.

{BC: Rehman 18677 (SD 202765)}

This very rare native species occurs in the SLIB of s BC. This species is sometimes lumped into *Sida glabra* but differs in having viscid glandular herbage.

Ecoregions: CD; Wider distr.: SON, widespread in Mexico, West Indies, Central America

Sticky Fanpetals; Malva, Malvilla

*Sid a hyalina* Fryxell

{BC: Rehman 25126 (SD 223611)}

This very rare native perennial occurs in the SLIB of s BC. Note that the specimen of this from our region is approaching *Sida neomexicana*, but has retrorse barbs on short mericarp spines.

Ecoregions: CD; Wider distr.: SON, SIN

Hyaline Fanpetals

*Sid a aff. michoacana* Fryxell

{BCs: M. Domínguez L. 2280 (HCIB 10168)}
This very rare native has only been collected once in our region in the SSF of n BCS and this specimen needs to be verified. Ecoregions: CD; Wider distrib.: GRO, MIC
Michoacan Fanpetals

Sida neomexicana A. Gray
{BCS: Rebman 5200 (SD 144246)}
This very rare native species has only been documented in our region in the SQUAD of n BCS.
Ecoregions: GIG; Wider distrib.: CHH, COA, DUR, AZ, NM, TX
New Mexico Fanpetals

Sida rhombifolia L.
{BC: Moran 25223 (SD 98146); BCS: Rebman 9663 (SD 175499)}
This species is likely native to BCS and occurs along the Gulf from Mulegé south to the Cape region. Specimens from the vicinity of Tijuana in nw BCS are likely adventive.
Ecoregions: CSS, GCD, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, s & se USA, West Indies, pantropical weed
Cuban Jute; Malva, Malvilla, Malva Negra, Malva Prieta, Escolilla, Malva de Escoba, Huinare, Tlalame

Sida spinosa L.
{syn = Sida angustifolia Lam., Sida spinosa var. angustifolia (Lam.) Griseb., Sida alba L.}
{BC: Rebman 17330 (SD 194595); BCS: Moran 20514 (SD 87900)}
This rare native species occurs in the SLIB of s BC and the V3V of n BCS.
Ecoregions: CD; Wider distrib.: SON, SIN, widespread in Mexico & USA, West Indies, Central & South America, Old World tropics
Prickly Fanpetals; Huanar Chino, Malva, quesillo

Sida xantii A. Gray
{BC: Moran 21557 (SD 89767); BCS: Rebman 7043 (SD 158955)}
This common species occurs from the length of the peninsula from the lower eastern side of the SSPM south to the Cape region. It is a near-endemic to our region with a population known in Sinaloa.
Ecoregions: CD; Wider distrib.: SON, SIN, widespread in Mexico & USA, West Indies, Central & South America, Old World tropics
Sphaeralcea ambigua (Munz & I.M. Johnst.) Kearney
{syn = Sphaeralcea ambigua subsp. rosacea (Munz & I.M. Johnst.) Kearney}
Status in CFP: 2B.
{BC: Moran 24686 (SD 98413); BCS: M. Domínguez L. 2677 (SD 148782)}
This uncommon native variety occurs mostly in ne BC & ranges from the lower eastern slopes of the SJ south to near Catavíta in c BC. It also occurs rarely on the western side of the SSPM, in the SGIG, & along the Gulf coast near La Paz of BCS. Specimens from BCS need to be verified.
Ecoregions: CHA, LCD, CD, GCD, GIG; Wider distrib.: SON, AZ, CA
Rose Globe Mallow, Rose Desert Mallow

Sphaeralcea ambigua A. Gray var. ambigua
{syn = Sphaeralcea ambigua subsp. versicolor Kearney}
{BC: E. Norland s.n., 1 Jun 1965 (SD 63726)}
This rare native variety occurs mostly in ne BC & ranges from the lower eastern slopes of the SJ south to near Catavíta in c BC. It also occurs rarely on the western side of the SSPM, in the SGIG, & along the Gulf coast near La Paz of BCS. Specimens from BCS need to be verified.
Ecoregions: CHA, LCD, CD, GCD, GIG; Wider distrib.: SON, AZ, CA
Rose Globe Mallow, Rose Desert Mallow

Sphaeralcea ambigua A. Gray var. rugosa (Kearney) Kearney
{syn = Sphaeralcea ambigua subsp. rugosa Kearney}
{BC: Moran 22947 (SD 95356)}
This very rare interspecific hybrid between S. ambigua var. ambigua and S. fulva has only been documented once in the vicinity of SBOR in se BC.
Ecoregions: CD
Hybrid Desert Globemallow

Sphaeralcea ambigua A. Gray var. rosacea (Munz & I.M. Johnst.) Kearney
{syn = Sphaeralcea ambigua subsp. rosacea (Munz & I.M. Johnst.) Kearney}
Status in CFP: 2B.
{BC: Moran 24686 (SD 98413); BCS: M. Domínguez L. 2677 (SD 148782)}
This uncommon native variety occurs mostly in ne BC & ranges from the lower eastern slopes of the SJ south to near Catavíta in c BC. It also occurs rarely on the western side of the SSPM, in the SGIG, & along the Gulf coast near La Paz of BCS. Specimens from BCS need to be verified.
Ecoregions: CHA, LCD, CD, GCD, GIG; Wider distrib.: SON, AZ, CA
Rose Globe Mallow, Rose Desert Mallow

Sphaeralcea ambigua A. Gray var. rugosa × S. hainesii
This very rare BC endemic species occurs in the vicinity of La Barrera in the SLL in the Cape region.
Ecoregions: CPM
Cape Sand-Mallow

Sphaeralcea ambigua A. Gray var. versicolor (Kearney) Kearney
{syn = Sphaeralcea ambigua subsp. versicolor Kearney}
{BC: Moran 7230 (SD 49655)}
This native variety occurs on Ángel de la Guarda Island & its adjacent islets in the Gulf in our region, but also occurs in northwestern Sonora and on San Esteban Island.
Ecoregions: CD (Ángel de la Guarda Island); Wider distrib.: SON
Gulf Desert Mallow, Mal de Oso
Sphaeralcea axillaris S. Watson var. axillaris
[syn = Sphaeralcea albiflora Rose]
LC endemic. Status in CFP: 3.
{BC: Moran 12865 (SD 65156); BCS: Rebman 4451 (SD 142920)}
This variety is endemic to our region and occurs from the vicinity of Punta Prieta in sw BC south to the SGUA&D & on San Marcos Island in n BCS.
Ecoregions: CD, VD, GCD, GIG

VIZCAYNO DESERT MALLOW

Sphaeralcea axillaris S. Watson var. violacea (Rose) Wiggins
[syn = Sphaeralcea violacea Rose]
LC endemic.
{BC: C. F. Harbison s.n., 5 Apr 1947 (SD 41677); BCS: Moran 20078 (SD 92769)}
This variety is a near-endemic to BCS with only one record of it from BC near Calmallí & it ranges from here south to near La Paz.
Ecoregions: VD, GCD, GIG, MAG
SOUTHERN VIZCAYNO DESERT MALLOW; MALVA ROSA

Sphaeralcea axillaris var. violacea × S. coulteri
BCS endemic.
{BCS: H. S. Gentry 7570 (SD 42925)}
This very rare interspecific hybrid between S. axillaris var. violacea and S. coulteri has only been documented once in the sympatric distribution of the parent taxa in the vicinity of SCLAR in nw BCS.
Ecoregions: VD
HYBRID VIZCAYNO DESERT MALLOW; MAL DE OJO

Sphaeralcea coulteri (S. Watson) A. Gray var. coulteri
{BC: Moran 30071 (SD 110362); BCS: Reed 6734 (SD 101438)}
This rare native variety occurs in nw BC near Tijuana and near La Paz in BCS. This variety is expected to occur in ne BC, but no specimens have been found documenting it in that region.
Ecoregions: CSS, GCD; Wider distrib.: SON, SIN, AZ, CA
COULTER GLOBEMALLOW; MAL DE OJO

Sphaeralcea coulteri (S. Watson) A. Gray var. californica (Rose) Kearney
LC endemic.
{BC: Moran 27176 (SD 102469); BCS: Moran 20516 (SD 87092)}
This variety is endemic to our region & occurs mostly in BCS near San Ignacio south to the northeastern Cape region. It also occurs in nw BC near Colonel, but this population may be adventive.
Ecoregions: CU, VD, GCD, GIG, MAG, CPL
BAJA CALIFORNIA GLOBEMALLOW

Sphaeralcea coulteri (S. Watson) A. Gray var. margaritae (Brandegee) Kearney
BCS endemic.
{BC: Moran 20081 (SD 92765)}
This BCS endemic variety occurs from near Laguna San Ignacio south to the eastern Cape region, but is most common in the MAG region of wc BCS.
Ecoregions: VD, GCD, MAG, CPL
MEXICAN GLOBEMALLOW

Sphaeralcea emoryi Torr. ex A. Gray var. emoryi
[In Wiggins as Sphaeralcea emoryi (no varieties); syn = Sphaeralcea emoryi var. arida (Rose) Kearney, Sphaeralcea emoryi subsp. arida (Rose) Kearney]
Status in CFP: 2B.
{BC: Purser 2886 (SD 39616)}
This very rare native species occurs in nw BC near Tijuana and Colonel and in se BC near Bahía de Los Ángeles. Many specimens previously identified as this species have been re-determined by Dreher to S. hainesii.
Ecoregions: CSS, CU, CD; Wider distrib.: SON, SIN, sw USA
EMORY GLOBEMALLOW; MAL DE OJO

Sphaeralcea fulva Greene
LC endemic. Status in CFP: 4, 5.
{BC: Moran 19310 (SD 84265); BCS: Moran 15136 (SD 67808)}
This species is endemic to our region and occurs along the Pacific coast from Punta Banda near Ensenada in nw BC south to the VPEN in extreme nw BCS. It also occurs on Cedros & Natividad islands in the Pacific.
Ecoregions: CSS, CU, PI (Cedros, Natividad), CD, VD
SAN QUINTIN GLOBEMALLOW

Sphaeralcea hainesii Brandegee
{BC: Moran 8893 (SD 66418); BCS: Wiggins 17508 (SD 94582)}
This rare native species occurs from BC near Punta Prieta south to San José Island in BCS. It also occurs on many adjacent Gulf islands including the Sonoran island of San Pedro Mártir.
Ecoregions: VD, CD, GCD; Wider distrib.: SON (San Pedro Mártir Island)
HAINES GLOBEMALLOW

Sphaeralcea occidentii Rose
{BC: Fred G. Andrews s.n., 31 Mar 1993 (SD 135269); BCS: Moran 20011 (SD 92763)}
This rare BC endemic species occurs only on the southern end of Guadalupe Island in the Pacific.
Ecoregions: PL (Guadalupe)
OCOTILLO GLOBEMALLOW

Sphaeralcea palmeri Rose
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 17401 (SD 74894)}
This very rare BC endemic species occurs on San José Island in BCS. It also occurs on many adjacent Gulf islands including the Sonoran island of San Pedro Mártir.
Ecoregions: CU, VD, GCD; Wider distrib.: SON, AZ, CA
CARRIZO MALLOW

Sphaeralcea sulphurea S. Watson
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 6649 (SD 48341)}
This very rare BC endemic species occurs only on Guadalupe Island in the Pacific.
Ecoregions: PL (Guadalupe)
GUADALUPE GLOBEMALLOW


Triumfetta acracantha Hochr.
{BCS: A. Carter 3591 (SD 48123)}
This rare native species occurs in the SLL of BCS. Note this genus was previously recognized in the Tiliaceae.
Ecoregions: CPM; Wider distrib.: SIN, COL, GRO
MEXICAN BURBANK

Triumfetta goldmanii Rose
{BCS: R. Domínguez C. 383 (HCIB 2862)}
This very rare native species has only been documented once in our region at lower elevations on the eastern side of the SLL of BCS. Specimens of this species from BCS need to be verified.
Ecoregions: PL; Wider distrib.: SON, SIN, c & w Mexico
MEXICAN BURBANK
Triumfetta semitilroba Jacq.
[syn = Triumfetta hirta Vahl, Triumfetta ovata DC.]
(BCS: M. Domínguez L. 368 (HCIB 14703))
This rare native species occurs mostly in the SLL of BCS. Specimens identified as this species need to be verified that they are not T. acracantha. Note this genus was previously recognized in the Tiliaceae.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, GA, West Indies, Central & South America
Burweed; Cadillo de Perro, Cadillo Cimarron

Waltheria indica L.
[In Wiggins as Waltheria americana L.]
(BCS: Rebm 4747 (SD 142202))
This native species is most common in our region in the Cape region of BCS, but it also occurs in the SGUAD & Mulegé region of n BCS.

Waltheria indica
*Proboscidea althaeifolia* (Benth.) Decne.
[In Wiggins as Proboscidea arenaria (Engelm.) Decne.]
(BC: Moran 18692 (SD 80293); BCS: Rebm 7005 (SD 158953))
This widespread native species prefers sandy substrates & occurs from ne BC south to the Cape region of BCS and on a few adjacent Gulf islands.
Ecoregions: LCD, CD, GCD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, TX, se USA, West Indies, Central & South America, Old World tropics
Uhaloa; Hierba del Cancer, Tapacola, Basora Prieta

Martyniaceae

Proboscidea parviflora (Woot.) Woot. & Standl.
[subsp. gracilima (Hevy) Brett.]
Canotia 3(2) 26-31.

Proboscidea parviflora (Woot.) Woot. & Standl.
[subsp. parviflora (Hevy) Brett.]
In Wiggins as Proboscidea gracilima Hevy
BCS endemic.
(BC: A. Carter 5289 (SD 124367))
This BCS endemic subspecies prefers volcanic substrates and occurs in the SSF and throughout the SGIG.
Ecoregions: CD, GI
Baja California Devil’s Claw; Espeula del Diablo, Torito, Cueritos, USA de Gato

Proboscidea parviflora (Woot.) Woot. & Standl.
Status in CFP. 2B.
(BC: Moran 18658 (SD 79960))
This rare native subspecies occurs in BC from the s SJ south to the SLIB. If recognized, the plants in our region are var. parviflora.
Ecoregions: CHA, LCD, CD; Wider distrib.: SON, n Mexico, sw USA
Devil’s Claw, Unicorn Plant; Espeula del Diablo, Torito, Cueritos

Meliaceae

*Azadirachta indica* A. Juss.
[syn = Melia azadirachta L.]
(BC: Armando Tejas 2762, 1 Oct 1999 (HCIB 12401))
This non-native tree is planted as an ornamental in the Cape region and possibly naturalizes in the vicinity of San José del Cabo.
Ecoregions: CPL; Wider distrib.: Native to Asia, introduced in Mexico, West Indies Neem; Nim

*Melia azedarach* L.
(BC: Rebm 27049 (SD 234563); BCS: T.S. Brandegee s.n., 25 Sep 1890 (UC 109635))
This non-native tree is commonly planted throughout the peninsula and has rarely naturalized in nw BC and in the Cape region of BCS.
Ecoregions: CSS, CPL; Wider distrib.: Native to se Asia, introduced in SON, widespread in Mexico, sw & se USA, West Indies Chinaberry, Paraíso

Menispermaceae

*Cocculus diversifolius* DC.
(BC: M. Domínguez L. 4033 (SD 188569))
This rare native species occurs on the lower western side of the SLL in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, TX
Snailseed

Molluginaceae

*Glinus lotoides* (Hevly) Bretting
[BC: A.C. Sanders 24504 (UCR 116566)]
This very rare non-native species has only been documented once in our region in extreme nw BC between La Misión and Ensenada.
Ecoregions: CSS; Wider distrib.: Native to Europe, introduced in c & sw USA, Africa, South America, Australia
Lotus SweetJuice, DAMASCISA

*Mollugo cerviana* (L.) Ser.
[BC: Moran 18509 (SD 84732); BCS: Moran 18711 (SD 80348)]
This uncommon non-native annual occurs sporadically from the SJ in n BC south to the vicinity of La Paz in BCS.
Ecoregions: CHA, CMT, LCD, CD, GCD, MAG; Wider distrib.: Native to Old World, introduced in SON, n Mexico, sw USA, Africa, Australia
Slender Carpetweed, Thread-Stem Carpetweed, Indian Chickweed

*Mollugo verticillata* L.
[BC: Moran 23019 (SD 98545); BCS: R. Domínguez C. 345 (SD 126772)]
**Montiaceae**

**Calandrinia breweri** S. Watson  
Status in CFP: 2A; Listed: CNPS 4.2.  
(BC: Moran 30554 (SD 110744))  
This very rare native species is only known from one specimen in the region collected at Rancho de la Cruz just northeast of Ensenada in nw BC.  
Ecoregions: CSS; Wider distrib.: CA

**Calandrinia menziesii** (Hook.) Torr. & A. Gray  
In Wiggins as Calandrinia ciliata (Ruiz & Pav.) DC. var. menziesii (Hook.) J.F. Macbr.; syn = Calandrinia ciliata (Ruiz & Pav.) DC. misappl.  
(BC: Moran 26782 (SD 101872); BCS: Moran 19995 (SD 92396))  
This uncommon native species occurs mostly in nw BC from Tecate south to near El Rosario and on adjacent Guadalupe, San Martin, & Todos Santos islands. It also occurs rarely in the CD & in the western VPEN region of extreme nw BCS.  
Ecoregions: CSS, CHA, CSU, PI, CD, VA; Wider distrib.: SON, W USA, W Canada, Central & South America

**SeaSide Calandrinia, Sea kisses**

**Calyptridium arizonicum** (J.T. Howell) M.G. Simpson, M. Silveira, & Guílliams  
[syn = Calyptridium parryi A. Gray var. arizonicum J.T. Howell, Claytonia parryi (A. Gray) Hershk. var. arizonicum (J.T. Howell) Kartesz & Gandhi]  
(BC: Moran 20732 (SD 88782))  
This uncommon native species occurs in the CD from near El Rosario south to the SBOR.  
Ecoregions: CD; Wider distrib.: SON, AZ, CA

**Arizona Pussypaws**

**Calyptridium monandrum** Nutt.  
[syn = Cistanthe monandra (Nutt.) Hershk.]  
(BC: Moran 16901 (SD 76800))  
This native species occurs mostly in nw BC from the coast to the mountains, but also ranges south into the CD region to the SBOR in se BC.  
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: SON, sw USA

**Common Calyptridium, Sand-Cress**

**Calyptridium monospermum** Greene  
[In Wiggins as Calyptridium umbellatum (Torr.) Greene misappl.; syn = Cistanthe monosperma (Greene) Hershk.]  
Status in CFP: 2A.  
(BC: Moran 30938 (SD 127335))  
This rare native species occurs at higher elevations in the SSPM of n BC.

**Cystanthem guadalupensis** (Dudley) Carolin ex Hershk.  
[In Wiggins as Talinum guadalupense Dudley]  
BC endemic. Status in CFP: 1B, 5.  
(BC: Lindsay 2635 (SD 47046))  
This rare BC endemic species occurs only on Guadalupe Island and its adjacent islets.  
Ecoregions: PI (Guadalupe)

**Guadalupe Cystanthem**

**Cystanthem maritima** (Nutt.) Hershk.  
[In Wiggins as Cystanthem maritima Nutt. in Torr. & A. Gray]  
Listed: CNPS 4.2.  
(BC: Moran 25803 (SD 100890); BCS: Moran 19893 (SD 92348))  
This uncommon native species occurs mostly near the ocean in nw BC from La Misión south to El Rosario and more rarely in the desert areas from San Luis Gonzaga south to the w VPEN in nw BC. It also occurs on Angel de la Guarda Island in the Gulf and on Cedros, Los Coronados, Guadalupe, Natividad, San Benitos, San Martin, & Todos Santos in the Pacific.  
Ecoregions: CSS, CSU, PI, LCD, CD, VA; Wider distrib.: CA

**Seaside Cystanthem, Sea Kisses**

**Claytonia exigua** A. Gray & A. Gray subsp. exigua  
[syn = Claytonia spathulata Hook. var. exigua (Torr. & A. Gray) Piper, Claytonia spathulata Hook. var. tenuifolia Torr. & A. Gray]  
(BC: Orcutt 1261 (MO 1749700))  
This very rare native species is only known from one historical specimen collected in “northern Lower California” by Orcutt on 22 April 1885. It is expected to occur at higher elevations in the SJ of n BC.  
Ecoregions: CMT; Wider distrib.: w USA, w Canada

**Serpentine Miner’s-lettuce, Serpentine Spring Beauty**

**Claytonia parryi** A. Gray var. martirensensis Guílliams, M.G. Simpson, & Rebman  

This rare BC endemic variety occurs at higher elevations in the SSPM of n BC.  
Ecoregions: PI (Guadalupe)
*Claytonia parviflora* Hook. subsp. *viridis* (Davidson) J.M. Mill. & K.L. Chambers

[In Wiggins as *Montia spathulata* (Hook.) Howell var. *viridis* Davidson]

Status in CFP: 2B.

{BC: Moran 28859 (SD 105584)}

This very rare native subspecies occurs in the upper foothills and mountains of the SJ & SSPM in nw BC.

Ecoregions: CHA, CMT; Wider distrib.: AZ, CA, NV

GREEN MINER’S-LETTUCE, DAVIDSON INDIAN-LETTUCE

*Claytonia perfoliata* Willd. subsp. *mexicana* (Rydby.) J.M. Mill. & K.L. Chambers

[In Wiggins as *Montia perfoliata* (Willd.) Howell (no varieties); syn = *Limnia guadalupensis* Rydb.]

{BC: R.F. Thorne 53955 (SD 121212)}

This native subspecies occurs commonly in nw BC and on many adjacent Pacific islands including Cedros, Los Coronados, Guadalupe, San Martín, & Todos Santos. It also ranges into the CD region as far south as the SBOR in s BC.

Ecoregions: CSS, CHA, CMT, PI; Wider distrib.: SON, widespread in Mexico, CA, Central America

MEXICAN MINER’S-LETTUCE

*Lewisia brachyclada* A. Gray

Status in CFP: 2B; Listed: CNPS 2B.2.

{BC: E. Sprague s.n. 12 Apr 1938 (SD 21024)}

This very rare native species occurs at higher elevations in the SJ of n BC.

Ecoregions: CMT; Wider distrib.: sw USA

SOUTHWESTERN BITTER-ROOT, SHORT-SEPAL LEWISIA

*Montia fontana* L.  

[syn = *Montia fontana* subsp. amporitana Sennen, *Montia stenophylla* Rydb.]

Status in CFP: 2B.

{BC: Moran 26788 (SD 101915)}

This very rare native species occurs in nw BC in wet areas near Ensenada and in the mountains of the SJ.

Ecoregions: CSS, CHA, CMT; Wider distrib.: w USA, Canada, circumboreal

WINTER MONTIA, WATER-CHICKWEED, WATER BLINKS


*Phemeranthus aurantiacus* (Engel.) Kiger


{BC: Rebman 25242 (SD 223614)}

This very rare native species occurs in the SLIB of s BC and is only known from a few specimens.

Ecoregions: CD; Wider distrib.: SON, n Mexico, AZ, NM, TX

ORANGE FAMEFLOWER

**Moraceae**


**Ficus carica** L.

{BC: Rebman 25141 (SD 223615); BCS: Rebman 9640 (SD 153895)}

This non-native species is commonly planted as a food source and has rarely naturalized on the peninsula near Ensenada in nw BC, SLIB in s BC, & in s SGIG of c BCS; but is expected elsewhere.

Ecoregions: CSS, CD, GIG; Wider distrib.: Native to sw Asia, introduced in SON, rare in Mexico, CA, s & se USA, West Indies, Central America, Australia

EDIBLE FIG; HIGO, HIGUERA, HIGUERA MANSA

*Ficus petiolaris* Kunth


{BC: Moran 11564 (SD 59835); BCS: Rebman 7696 (SD 157904)}

This uncommon and highly variable native species occurs from the s SASAM in c BC south to the Cape region of BCS and on many adjacent Gulf islands. Specimens with glabrous stems and leaves have been called *F. brandegeee*, but do not seem to warrant taxonomic recognition.

Ecoregions: CD, VD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico

BAJA CALIFORNIA ROCK FIG, PALMER WILD FIG, BRANDEGEEE WILD FIG; HIGUERA, AMATE, ZALATE, HIGUERA CIMARRONA, HIGUERA SILVESTRE

**Moringaceae**

*Anagallis arvensis* L.

[In Wiggins as *Anagallis arvensis* var. *caerulea* (Schreb.) Ledeb.]

{BC: Moran 19095 (SD 83042); BCS: Rebman 5171 (SD 142896)}

This rare non-native tree is sometimes planted as an ornamental in the Cape region & in the San Felipe Desert. It rarely naturalizes in the Cape region near La Paz & *Los Frailes* of s BCS.

Ecoregions: CSS, CHA, CSU, PI; Wider distrib.: Sonora, CA, introduced & rare in Mexico, FL

HORSEHAIR TREE, BEN OIL TREE

**Myrsinaceae**

*Anagallis minima* (L.) E.H.L. Krause

[In Wiggins as *Centunculus minimus* L.]

Status in CFP: 2B.

{BC: Moran 28441 (SD 105167); BCS: Thomas 7821 (SD 49987)}

This rather rare native species occurs in nw BC mostly in vernal pools from La Misión south to near Colonel and also in the SLL of BCS.

Ecoregions: CSS, CHA, CSU, CPL; Wider distrib.: SON, scattered in Mexico, widespread in USA, w Canada, Europe, South America

COMMON CHAFFWEED
Myrtaceae

*Eucalyptus camaldulensis* Dehn.  (BC: *Moran 26369* (SD 100996))

This non-native tree is commonly planted in our region and rarely naturalizes in nw BC.

Ecoregions: CSS, CSU; Wider distrib.: Native to Australia, introduced in SON, n Mexico, AZ, CA, FL, West Indies

*River Red Gum; Eucalyptus*  

*Melaleuca citrina* (Curtis) Dum.Cours.  (syn = Callistemon citrinus (Curtis) Skeels)  (BC: *R. Vazquez s.n., 22 Apr 1982 (BCMEX 8084)*)

This non-native tree is sometimes planted as an ornamental in our region and rarely naturalizes in nw BC near Ensenada.

Ecoregions: CSS; Wider distrib.: Native to Australia, introduced in CA, LA

*Lemon Bottlebrush, Crimson Bottlebrush*

*Psidium guajava* L.  (BC: *Peters 190* (SD 176963))

This non-native species is commonly planted as a food source and has rarely naturalized in BCS near San José de Gracia, in the SGIE, and throughout much of the Cape region.

Ecoregions: VD, GIG, CPL; Wider distrib.: Native to Caribbean, Central & South America, introduced in SON, widespread in Mexico, FL, LA, West Indies

*Wild Guava; Guayaba Silvestre, Guayabo*

*Psidium sartorianum* (O. Berg) Nied.  (BC: *M. Domínguez L. 434* (SD 161920))

This rare species is presumably native to the northeastern side of the SLL of BCS, but was possibly introduced and has naturalized in this region.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, NAY, CA

*Red San-Verbena, Coastal Sand-Verbena; Alfombrilla*

*Nyctaginaceae*


*Abronia carereae* Ferris  

BCS endemic.

(BCS: *R. Domínguez C. 3348* (SD 222594))

This rare BCS endemic species occurs in w BCS mostly in vicinity of Bahía de Magdalena. This species is closely related to *A. gracilis* and is sometimes lumped into it, but more taxonomic work is needed on these two species.

Ecoregions: MAG  

*Carter Sand-Verbena; Alfombrilla*

*Abronia gracilis* Benth.  

[In Wiggins as Abronia gracilis subsp. gracilis]

Status in CFP: 3.

(BC: *E.B. Higgins, s.n., 2 Mar 1952* (SD 44672); BCS: *Roberts 4509* (SD 164441))

This variable species is a near-endemic to our region and occurs mostly along the Pacific coast from near San Quintín south to the northern MAG region and east to the vicinity of Bahía de Los Angeles. The boundaries of this species with *A. carereae* & *A. umbellata* need to be evaluated in taxonomic detail to better understand these species. Note that populations near San Quintín may represent hybrids or introgressants between *A. gracilis* & *A. umbellata*.

Ecoregions: CSU, CD, VD, MAG; Wider distrib.: SON  

*Slender Sand-Verbena; Alfombrilla*


BCS endemic.

(BCS: *Pérez Navarro 673* (SD 141138))

This rare BCS endemic subspecies occurs on coastal dunes mostly between Todos Santos & Cabo San Lucas, but rarely in the southeastern Cape region near Los Frailes. This subspecies differs from subs. maritima in having pink perianths & smaller more crowded leaves.

Ecoregions: CPL  

*Cape Sand-Verbena; Alfombrilla*

*Abronia maritima* Nutt. ex S. Watson subsp. maritima  

[In Wiggins as Abronia maritima (no subspecies)]

Status in CFP: 2B; Listed: CNPS 4.2.  

(BC: *Moran 10529* (SD 54267); BCS: *Pérez Navarro 786* (SD 141137))

This common native subspecies occurs on coastal sand dunes along the length of the peninsula on the Pacific side and from Mulegé south to the Cape region on the Gulf side. It also occurs on San Martín, Cedros, Natividad, Magdalena & Santa Margarita Islands in the Pacific and on various Gulf islands. Note that the plants from the Pacific region usually have darker perianths with slightly reflexed lobes and the Gulf plants are generally lighter in color and not reflexed.

Ecoregions: CSS, CSU, PI, CD, VD, GCD, MAG, CPL; Wider distrib.: SON, SIN, NAY, CA

*Red San-Verbena, Coastal Sand-Verbena; Alfombrilla*

*Abronia maritima subsp. maritima × A. umbellata*  

[In Wiggins as Abronia gracilis subsp. platypylla (Standl.) Ferris; syn = Abronia platypylla Standl., Abronia umbellata var. platypylla (Standl.) Munz, Abronia umbellata subsp. platypylla (Standl.) Munz, Abronia alba Eastw. var. platypylla (Standl.) Jeps., Abronia xalapa Eastw.]  

(BC: *A. Johnson s.n. 6 Jun 1973* (SD 125404))

This rare interspecific hybrid between *A. maritima subsp. maritima* and *A. umbellata* is known to occur in nw BC near San Quintín where the ranges of these species overlap but is expected along beaches north to the vicinity of Tijuana.

Ecoregions: CSU; Wider distrib.: CA

*Hybrid Red San-Verbena; Alfombrilla*

*Abronia umbellata* Lam. var. umbellata  

[In Wiggins as Abronia umbellata (no variety)]

(BC: *Moran 21790* (SD 54267))

This rare native occurs on coastal dunes in nw BC from near La Misión south to San Quintín.

Ecoregions: CSS, CSU; Wider distrib.: CA

*Beach Sand-Verbena; Alfombrilla*

*Abronia villosa* S. Watson var. aurita (Abrams) Jeps.  

Status in CFP: 2A; Listed: CNPS 1B.1.  

(BC: *F.M. Cota s.n., 2 Mar 1932* (UC 483715))

This very rare native variety is only known from our region by one historical collection made in the chaparral/desert transition area near Alaska in the vicinity of La Rumorosa of extreme n BC.

Ecoregions: CMT; Wider distrib.: CA

*Chaparral Sand-Verbena; Alfombrilla*
Abronia villosa S. Watson var. villosa
Status in CFP: 3.
(BC: Hodgson 8886 (SD 145032))
This uncommon native species occurs mostly in the desert areas of ne BC, but has also been documented disjunctly to just east of San Vicente in nw BC.
Ecoregions: CSS, CSU, LCD; Wider distrib.: SON, sw USA
DESSERT Sand-VERBENA; ALFOMBRIlla, VERBENA de la ARENA

Allionia incarnata L. var. villosa (Standl.) Munz
[In Wiggins as Allionia incarnata (no varieties)]
Status in CFP: 2B.
(BC: Moran 18653 (SD 79916); BCS: Rebman 7628 (SD 157903))
This common native taxon occurs the length of the peninsula mostly from ne BC south to the Cape region. It also occurs rarely in nw BC on many Gulf islands.
Ecoregions: CHA, CMT, CSU, LCD; Wider distrib.: SON, CHH, AZ, NM, TX
TRAILING WINDMILLS, PINK WINDMILLS, PINK THREE FLOWER, TRAILING FOUR O’CLOCK, UMBRELLA-WORT; HERBA de la HORMIGA, GAMBASOROMBE

Boerhavia coulteri (Hook. f.) S. Watson var. coulteri
[In Wiggins as Boerhavia coulteri (no vars.)]
Status in CFP: 2B.
(BC: Moran 22208 (SD 91375); BCS: Rebman 1676 (SD 137103))
This widespread and variable native perennial species occurs sparingly throughout the length of the peninsula from the lower eastern side of the SJ in ne BC south to the Cape region of BCS.
Ecoregions: CSS, CHA, LCD, CD, GD, GC, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, s & sw USA, West Indies, Central & South America
RED RINGSTEM, SCARLET SPIDERLING; SAMBESARAMBE, MOCHO, HERBA de la HORMIGA, HERBA del CÁNCER

Boerhavia erecta L.
(BC: Rebman 7618 (SD 157902))
This native annual occurs in BCS from Mulegé south to the Cape region, but should be expected in ne BC as well. It is similar to B. triquetra var. intermedia but has slightly larger fruits and the terminal flower clusters are in slightly irregular umbels.
Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, USA, West Indies, Central & South America, and a weed in tropical and warm-temperate regions
ERECT SPIDERLING; MCHOTO, MOCHO, JUANTILIPIN, SAMBESARAMBE

Boerhavia gracillima Heimerl
(BC: Thomas 7724 (SD 49981))
This native perennial occurs in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX
SLIMSTOCK SPIDERLING; MCHOTO

Boerhavia hirsuta L.
(BC: T.S. Brandegee s.n. 1897 (UC))
This species occurrence in our region is based on a specimen collected by Brandegee in 1897 at San José del Cabo and is cited by Lenz, but Standley did not recognize this species for the Baja California region so this specimen needs to be verified. Historically, some B. hirsuta specimens have had this name applied to them in herbaria and in floras.
Ecoregions: CPL; Wider distrib.: Arid portions of tropical America & tropical Africa
Hairy SPIDERLING; MCHOTO

Boerhavia maculata Standl.
(BC: Rebman 4610 (SD 141867))
This native species occurs mostly on sky islands in BCS including the SSF, SGUAD, & SGIG, but also in the Cape region and on a few Gulf islands. It is closely related to B. triquetra but according to Spellenberg has slightly larger & broader 5-ribbed fruits and large flowers.
Ecoregions: CD, GI, CPL; Wider distrib.: SON, SIN
Gulf SPIDERLING; MCHOTO

Boerhavia purpurascens A. Gray
(BC: M. Domínguez L. 3101 (HCIB 16830))
This very rare native species is only known from one specimen collected at Agua Verde south of Loreto in BCS. This species typically grows in pinyon/juniper woodlands in the Chihuahuan Desert so the BCS specimen needs to be verified.
Ecoregions: GCD; Wider distrib.: SON, CHH, AZ, NM
Purple SPIDERLING; MCHOTO

Boerhavia sonorae Rose
(BC: T.S. Brandegee 486 (UC))
This rare native species occurs along the Gulf coast from Bahía de Los Angeles in se BC south to the Cape region of BCS. It is closely related to B. coccinea and may not be different taxonomically; more study needed. Specimens were cited in Lenz and need to be verified.
Ecoregions: GCD, CPL; Wider distrib.: SON, SIN
SONORAN SPIDERLING; MCHOTO

Boerhavia spicata Choisy
[Syn = Boerhavia torreyana (S. Watson) Standl.]
(BC: Moran 24775 (SD 97919); BCS: Rebman 3368 (SD 139220))
This uncommon native species occurs rarely in n BC near San Matías & a couple of places in c & s BC, but is more common in BCS from Santa Rosalia south to the Cape region. It is very similar to B. xanti but with much smaller flowers.
**Boerhavia triquetra** S. Watson var. *intermedia* (M.E. Jones) Spellenb.  
*Commicarpus brandegeei* Standl. subsp. *glabrior* Standl.  
BCS endemic.  
{BCS: Rehm 7088 (SD 158944)}  
This rare BCS endemic subspecies occurs at lower elevations in the Cape region especially near San José del Cabo in the southern Cape and at Rancho Las Cruces in the northeastern Cape.  
Ecoregions: CPL.  
CAPE WARTCLUB

**Boerhavia triquetra** S. Watson var. *triquetra*  
In Wiggins as Boerhavia triquetra (no vars.).  
{BC: John H. Thomas 8199 (RSA 142650); BCS: Wiggins 11368 (MO 1606932)}  
This uncommon variety occurs in ne BC in low desert areas.  
Ecoregions: LCD; Wider distr.: SON, CHH, sw USA & TX

**Boerhavia wrightii** A. Gray  
{BC: Macius 488 (SD 164977)}  
This rare native species occurs in ne BC in low desert areas.  
Ecoregions: LCD; Wider distr.: SON, CHH, sw USA & TX

**Boerhavia xanti** S. Watson  
{BC: Moran 11886 (SD 59960); BCS: Rehm 7041 (SD 158945)}  
This uncommon native species occurs along the Gulf coast at lower elevations from near Bahía de Los Ángeles south to the Cape region. It also occurs on various adjacent Gulf islands. It is very similar to *B. spicata*, but with larger flowers.  
Ecoregions: CD, GCD, GIG, CPL; Wider distr.: SON, SIN, n Mexico, sw USA

**Commicarpus brandegeei** Standl. subsp. *brandegeei*  
In Wiggins as Commicarpus brandegeei (no subspecies); syn = Boerhavia brandegeei (Standl.) Govaerts  
BCS endemic.  
{BCS: Rehm 5694 (SD 142917)}  
This BCS endemic subspecies occurs from the c SGIG south to the Cape region where it is most common. It also occurs on San José & Cerralvo islands in the Gulf. It should be noted that some plants of this subspecies have non-glandular hairs while others are strongly glandular.  
Ecoregions: GCD (San José Island), GIG, CPL, CPM

**Commicarpus scandens** (L.) Standley  
{BC: Turner 23 (SD 65597); BCS: Rehm 7734 (SD 158943)}  
This native species occurs rarely in n BC near San Matías and in s BC in the SLIB. It is much more common in BCS and ranges from the SSE south to La Paz and occurs rarely in the western Cape region near Todos Santos.  
Ecoregions: LCD, CD, GD, GCD, GIG, MAG, CPL; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, TX, West Indies, Central & South America

**Commicarpus xanthus** S. Watson  
{BC: Moran 19338 (SD 84410); BCS: Rehm 4487 (SD 141588)}  
This widespread & variable native variety occurs commonly in nw BC and ranges south to the vicinity of San Ignacio in BCS & disjunctly to near Loreto. It also occurs on many Pacific islands

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**Note:** The text above is a natural representation of the document content, formatted for readability. It includes species names, locations, and the relevant ecological regions as documented in the original text. The content is maintained in its natural form without additional annotations or modifications to the prose. This format ensures that the information is clear and accessible for tasks such as text analysis or natural language processing.
including Los Coronados, Todos Santos, San Martín, Guadalupe, Cedros, & Natividad.
Ecoregions: CSS, CHA, CSU, PI, CD, VD, GCD; Wider distrib.: SON (San Estéban Island), CA
COASTAL WISHBONE PLANT; YERBA DEL EMPACHO

Mirabilis laevis (Benth.) Curran var. laevis
BCS endemic.

{BCS: Rebman 4799 (SD 142217)}
This BCS endemic variety occurs on Magdalena & Santa Margarita islands in w BCS.
Ecoregions: MAG
MAGDALENA WISHBONE PLANT

Mirabilis laevis (Benth.) Curran var. retrorsa (A. Heller) Jeps.
{syn = Mirabilis bigelovii A. Gray var. retrorsa (A. Heller) Munz}
(BC: Moran 24826 (SD 97920))
This rare native variety occurs from the lower eastern slopes of the SJ in extreme n BC sparingly south to the SLIB in s BC.
Ecoregions: CMT, LCD, CD; Wider distrib.: sw USA & OR
DESSERT WISHBONE PLANT

Mirabilis laevis (Benth.) Curran var. villosa (Kellogg) Spellenb.
{In Wiggins as Mirabilis bigelovii A. Gray var. bigelovii, Mirabilis bigelovii A. Gray var. aspera (Greene Munz)}
(BC: Moran 26931 (SD 102617))
This rare native variety occurs in the SJ, western slopes of the SSPM, near San Matías Pass, & in the San Felipe Desert of n BC.
Ecoregions: CHA, CMT, LCD; Wider distrib.: SON, sw USA
HAIRY DESERT WISHBONE PLANT; YERBA DE LA VIEJA

Mirabilis multiflora (Torr.) A. Gray var. pubescens S. Watson
{In Wiggins as Mirabilis froebelii (Behr) Greene}
Status in CFP: 2B.
(BC: Moran 18595 (SD 79947))
This rare native species occurs in the SJ of n BC.
Ecoregions: CHA, CMT; Wider distrib.: sw USA
FROEBELL FOUR O’CLOCK

Mirabilis oligantha (Standl.) J.F. Macbr.
{syn = Hesperonia oligantha Standl., Hesperonia polyphylla Standl.}
(BC: Reeder 7106 (SD 116056))
This rare BC endemic mostly in BC near Cateviña & Bahia San Luis Gonzaga & rarely on the lower eastern side of the SSPM.
Ecoregions: LCD, CD
BAJA CALIFORNIA FOUR O’CLOCK

Mirabilis tenuiloba S. Watson
{syn = Hesperonia tenuiloba (S. Watson) Standl.}
(BC: Vinton 222 (SD 145441); BCS: Vinton 4 (SD 139218))
This uncommon native species occurs from the lower eastern side of the SJ in extreme n BC south along the east side of the peninsula & Gulf coast to near Agua Verde south of Loreto in ec BCS. It also occurs on a few adjacent Gulf islands.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, AZ, CA
LONG-LOBE FOUR O’CLOCK

Mirabilis triflora Benth.
{BCS: M. Domínguez L. 82 (SD 130769)}
This rare native species occurs in the SLL & Sierra Cacachilas in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: JAL, OAX
THREE-FLOWER FOUR O’CLOCK

Pisonia calafia J.L. León de la Luz & Levin
BCS endemic.
{BCS: Rebman 27633 (SD 234562)}
This very rare BCS endemic is only known from a few individuals & is restricted to the vicinity of Cabo Pulmo in the southeastern Cape region.
Ecoregions: CPL
CABO PULMO PISONIA

Pisonia capitata (S. Watson) Standl.
{BCS: A. Carter 3852 (SD 68531)}
This rare native species occurs in the SGUAD & c SGIG of BCS.
Ecoregions: GIG; Wider distrib.: SON, SIN, CHH, AZ
MEXICAN DEVIL’S-CLAWS; GARABATO, VAINORO, PALO SANTO

Pisonia flavescens Standl.
BCS endemic.
{BCS: Rebman 5255 (SD 142306)}
This rare BCS endemic occurs in the SGUAD, SGIG, & Cape region of BCS. This species has been reported for SIN, but this is not verified.
Ecoregions: GIG, CPL, CPM
BAJA CALIFORNIA PISONIA

Oleaceae

Forestiera phillyreoides (Benth.) Torr.
{syn = Forestiera shrevei Standl.}
(BC: Rebman 17358 (SD 194597); BCS: Moran 9184 (SD 66291))
This native shrub occurs in the SGUB & c SGIG of BCS.
Ecoregions: CD, GCD, GIG; Wider distrib.: SON, widespread in Mexico, AZ
DESSERT OLIVE; HIERRA DE CUERVO

Forestiera macrocarpa Brandegee
BCS endemic.
{BCS: Rebman 26911 (SD 234695)}
This rare BCS endemic is restricted to the Cape region and its affinities to F. phillyreoides needs to be clarified.
Ecoregions: CPL, CPM
BAJA CALIFORNIA DESERT OLIVE; HIERRA DE CUERVO

Forestiera pubescens Nutt.
{In Wiggins as Forestiera neomexicana A. Gray}
Status in CFP: 4.
(BC: Moran 20777 (SD 88750))
This very rare native shrub occurs in the vicinity of San Matías & at the southern end of the SSPM of n BC.
Ecoregions: CHA, CD; Wider distrib.: SON, sw USA & TX
STRETCHBERRY


Fraxinus parryi Moran
{In Wiggins as Fraxinus trifoliolata (Torr.) F.H. Lewis & Epling illegit., Fraxinus trifoliata (misspelled epithet); syn = Fraxinus dipetala
*Hesperelaea palmeri* A. Gray

BC endemic. Status in CFP: 1A, 5; Listed: NOM P.

This very rare BC endemic was only known from 3 trees on Guadalupe Island by Palmer in 1875 and is likely extinct due to the impacts of feral goats.

Ecoregions: CSS, CHA, CD; Wider distrib.: CA (s San Diego County)

*Chaparral Ash; Fresnillo, Crucecilla*

*Camissonia bistorta × C. cheiranthifolia*

BC: R. Domínguez C. 2009 (HCIB 15669)

This non-native tree is commonly planted in nw BC and has rarely naturalized near San Quintin in nw BC & in the SGIG of c BCS.

Ecoregions: CSU, GIG; Wider distrib.: Native to w Asia, introduced in SON, CA

*Olive; Olive*

**Onagraceae**


*Camissonia bistorta* (Torr. & A. Gray) W.L. Wagner & Hoch

[In Wiggins as Camissonia bistorta (Nutt. ex Torr. & A. Gray) P.H. Raven; syn = Oenothera bistorta Nutt. ex Torr & A. Gray var. veitchiana Hook., Oenothera bistorta Nutt. ex Torr & A. Gray] (BC: Moran 28287 (SD 104972))

This uncommon native species occurs from Tecate south to Colonet in nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

*Sandy Soil Sun Cup*

*Camissoniopsis bistorta × C. cheiranthifolia* [BC: Moran 16730 (SD 72998)]

This rare interspecific hybrid between *C. bistorta* & *C. cheiranthifolia* occurs on beaches along the Pacific between Tijuana and Ensenada in extreme nw BC.

Ecoregions: CSS; Wider distrib.: CA

*Hybrid Beach Sun Cup*

*Camissoniopsis bistorta* (Torr. & A. Gray) W.L. Wagner & Hoch

[In Wiggins as Camissonia bistorta (Nutt. ex Torr. & A. Gray) P.H. Raven; syn = Oenothera bistorta Nutt. ex Torr & A. Gray var. veitchiana Hook., Oenothera bistorta Nutt. ex Torr & A. Gray] (BC: Moran 28287 (SD 104972))

This uncommon native species occurs from Tecate south to Colonet in nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

*California Sun Cup*

*Menodora spinescens* A. Gray aff. var. *mohavensis* Steyerm.

BC: Moran 15386 (SD 68055)

This rare native shrub occurs in BC from the southern end of the SSPM south to near Calamajue. The plants in our region have larger flowers than var. *mohavensis*, are very disjunct in distribution, and likely represent an undescribed variety.

Ecoregions: CD; Wider distrib.: CA

*Spiny Menodora*


*Camissoniopsis bistorta* (Torr. & A. Gray) W.L. Wagner & Hoch

[In Wiggins as Camissonia bistorta (Nutt. ex Torr. & A. Gray) P.H. Raven; syn = Oenothera bistorta Nutt. ex Torr & A. Gray var. veitchiana Hook., Oenothera bistorta Nutt. ex Torr & A. Gray] (BC: Moran 28287 (SD 104972))

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This rare interspecific hybrid between *C. bistorta* & *C. cheiranthifolia* occurs on beaches along the Pacific between Tijuana and Ensenada in extreme nw BC.

Ecoregions: CSS; Wider distrib.: CA

*Hybrid Beach Sun Cup*

*Camissoniopsis cheiranthifolia* (Spreng.) W.L. Wagner & Hoch subsp. *suffruticosa* (S. Watson) W.L. Wagner & Hoch

[In Wiggins as Camissonia cheiranthifolia (Hornem. ex Spreng.) Raimann subsp. *suffruticosa* (S. Watson) P.H. Raven; syn = Oenothera cheiranthifolia Hornem. ex Spreng. subsp. *suffruticosa* (S. Watson) Munz] (BC: Moran 27242 (SD 109063))

This rare interspecific hybrid between *C. bistorta* & *C. cheiranthifolia* occurs on beaches along the Pacific between Tijuana and Ensenada in extreme nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

*Hybrid Beach Sun Cup*

*Camissoniopsis cheiranthifolia* (Spreng.) W.L. Wagner & Hoch

[In Wiggins as Camissonia cheiranthifolia (Hornem. ex Spreng.) Raimann subsp. *suffruticosa* (S. Watson) P.H. Raven; syn = Oenothera cheiranthifolia Hornem. ex Spreng. subsp. *suffruticosa* (S. Watson) Munz] (BC: Moran 27242 (SD 109063))

This rare interspecific hybrid between *C. bistorta* & *C. cheiranthifolia* occurs on beaches along the Pacific between Tijuana and Ensenada in extreme nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

*Hybrid Beach Sun Cup*
Ecoregions: PI (Guadalupe) end of Guadalupe Island. This very rare BC endemic subspecies occurs only on the southern end of Guadalupe Island. Status in CFP: 1B, 5.

Camissoniopsis guadalupensis (S. Watson) W.L. Wagner & Hoch
subsp. guadalupensis

This very rare BC endemic subspecies occurs on only the southern end of Guadalupe Island. Status in CFP: 1B, 5.

Camissoniopsis hirtella (Greene) W.L. Wagner & Hoch

This uncommon native species occurs mostly in the foothills and mountains of the SJ & SSPM in nw BC. Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

Camissoniopsis ignota (Jeps.) W.L. Wagner & Hoch

This rare native species occurs mostly in the foothills and mountains of the SJ & SSPM in nw BC. Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

Camissoniopsis intermedia (P.H. Raven) W.L. Wagner & Hoch

This rare native species occurs near the coast and lower foothills of nw BC from Tecate south to near El Rosario. Ecoregions: CSS, CSU; Wider distrib.: CA

Camissoniopsis lewissii (P.H. Raven) W.L. Wagner & Hoch

This uncommon species prefers sandy substrates and occurs mostly in nw BC from the vicinity of Ensenada south to near El Rosario, but also occurs disjunctly to c & s BC in sandy areas. Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: SON, CA

Camissoniopsis micrantha (Spreng.) W.L. Wagner & Hoch

This very rare native species occurs near Ojos Negros and also near San Quintin in nw BC.

Camissoniopsis pallida (Abrams) W.L. Wagner & Hoch subsp. pallida

This uncommon native species occurs in the vicinity of San Matías Pass in n BC and in the SBOR of se BC. Ecoregions: CHA, LCD, CD; Wider distrib.: sw USA

Chylismia cardiophylla (Torr.) Small subsp. cardiophylla

This uncommon native variety occurs mostly from ne BC south along the eastern side of the peninsula to Santa Rosalía in ne BCS and on various adjacent Gulf islands. Ecoregions: CHA, CMT, CSU, LCD, CD, GCD; Wider distrib.: SON, sw USA

Chylismia cardiophylla (Torr.) Small subsp. cedrosensis (Greene) W.L. Wagner & Hoch

This near-endemic variety occurs on Cedros Island and the VPEN and on various adjacent Gulf islands. Ecoregions: PI (Cedros), CD, GD; Wider distrib.: SON (Tiburón Island)

Chylismia claviformis (Torr. & Frém.) A. Heller subsp. aurantiaca (S. Watson) W.L. Wagner & Hoch

This rare subspecies occurs in ne BC in the vicinity of Laguna Salada. Ecoregions: LCD; Wider distrib.: sw USA
Chylismia claviformis (Torr. & Frém.) A. Heller subsp. peirsonii (Munz) W.L. Wagner & Hoch

{In Wiggins as Camissonia claviformis (Torr. & Frém.) P.H. Raven subsp. peirsonii (Munz) P.H. Raven; syn = Oenothera claviformis var. piersonii Munz.}

Ecoregions: LCD; Wider distrib.: s CA Mexico border south to the vicinity of Puertecitos.

This uncommon native subspecies occurs in ne BC from the USA/Mexico border south to the vicinity of Puertecitos.

{BC: D. Clemons 1993 (SD 122254)}

PIERSON Sun CUP

Chylismia claviformis (Torr. & Frém.) A. Heller subsp. wigginsii (P.H. Raven) W.L. Wagner & Hoch

{In Wiggins as Camissonia claviformis (Torr. & Frém.) P.H. Raven subsp. wigginsii (P.H. Raven) P.H. Raven; syn = Camissonia wigginsii (P.H. Raven) P.H. Raven} (BC: Moran 12402 (SD 65111))

This rare BC endemic occurs in e BC from near San Luis Gonzaga south to Bahía de Los Ángeles.

PIGGINS Sun CUP

Chylismia claviformis (Torr. & Frém.) A. Heller subsp. yumaee (P.H. Raven) W.L. Wagner & Hoch

{In Wiggins as Camissonia claviformis (Torr. & Frém.) P.H. Raven subsp. yumaee (P.H. Raven) P.H. Raven; syn = Oenothera claviformis var. yumaee} (BC: Moran 12354 (SD 65110))

This rare subspecies occurs in extreme ne BC in the vicinity of Laguna Salada and the Colorado River delta.

YUMA Sun CUP

Clarkia delicata (Abrams) A. Nelson & J.F. Macbr.

Status in CFP: 2A; Listed: CNPS 1B.2.

{BC: Moran 28328 (SD 105087)}

This rare native species occurs in extreme nw BC from Tecate south to La Misión.

Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA

Delicate CLARKIA, CAMPO CLARKIA


{syn = Godetia epilobioides (Nutt. ex Torr. & Gray) S. Watson} (BC: Moran 22881 (SD 97658))

This uncommon native species occurs throughout most of nw BC from the USA/Mexico border south to the southern end of the SSPM.

Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: AZ, CA

CANON CLARKIA

Clarkia purpurea (Curtis) A. Nelson & J.F. Macbr. subsp. quadrivulnera (Douglas ex Lindl.) H. Lewis & M. Lewis

{syn = Godetia quadrivulnera (Dougl. ex Lindl.) Spach, Godetia quadrivulnera (Dougl. ex Lindl.) Spach var. vacensis Jeps., Godetia quadrivulnera var. parviflora (S. Watson) C.L. Hitchc., Clarkia quadrivulnera (Dougl. ex Lindl.) A. Nelson & J.F. Macbr.} (BC: Moran 27320 (SD 102452))

This rare native subspecies occurs in nw BC to the east & northeast of Ensenada.

Ecoregions: CHA; Wider distrib.: CA

WINE-CUP CLARKIA, FOUR-SPOT CLARKIA

Clarkia rhomboidea Douglas

Status in CFP: 1A.

{BC: C.R. Orcutt s.n., 3 Jul 1884 (UC 20038)}

This very rare species is only known in our region from one historical specimen collected at “Las Juntas” east of Tecate in extreme nw BC.

Ecoregions: CHA; Wider distrib.: w USA

DIAMOND CLARKIA

Epilobium canum (Greene) P.H. Raven subsp. canum

{In Wiggins as Zauschneria californica C. Presl subsp. californica, Zauschneria californica C. Presl subsp. neomexicana (C. Presl) P.H. Raven; syn = Zauschneria cana Greene, Epilobium canum subsp. mexicanum (C. Presl) P.H. Raven} (BC: Rebman 5494 (SD 145569))

This native subspecies occurs mostly in nw BC along the coast and in the lower foothills. It ranges disjunctly as far south as Cataviña in c BC.

Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA

CALIFORNIA FUCHSIA, ZAUSCHNERIA, HUMMINGBIRD TRUMPET

Epilobium ciliatum (Hook.) P.H. Raven

{In Wiggins as Zauschneria californica C. Presl subsp. latifolia (Hook.) Keck; syn = Zauschneria latifolia (Hook.) Greene, Zauschneria latifolia var. arizonica (A. Davids.) Hilend} (BC: Moran 24431 (SD 97852))

This native subspecies occurs mostly in nw BC in the upper foothills & mountains of the SJ & SSPM. It also ranges disjunctly as far south as the vicinity of Cataviña in c BC.

Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, CHH, SW USA

BROAD-LEAF CALIFORNIA FUCHSIA, BROAD-LEAF HUMMINGBIRD TRUMPET; FLOR DE OCTUBRE

Epilobium ciliatum Raf. subsp. ciliatum

{In Wiggins as Epilobium adenocaulon Hausskn. var. parishii (Trel.) Munz; syn = Epilobium californicum Hausskn. var. holosericeum (Trel.) Munz, Epilobium adenocaulon var. holosericeum (Trel.) Munz, Epilobium adenocaulon var. ecomosum (Fassett) Munz, Epilobium adenocaulon var. parishii (Trel.) Munz, Epilobium adenocaulon var. perplexans (Trel.) Jeps., Epilobium californicum Hausskn., Epilobium ciliatum var. ecomosum (Fassett) Boivin, Epilobium adenocaulon Hausskn.} (BC: Moran 14216 (SD 79662); BCS: M. Domínguez L. 4067 (SD 188582))

This native species occurs mostly in the upper foothills and mountains of the SJ & SSPM in nw BC and also in the SSL of BCS.

Ecoregions: CSS, CHA, CMT, CPM; Wider distrib.: SON, widespread in Mexico, USA, & Canada

FRINGED WILLOW-Herb

Epilobium densiflorum (Lindl.) Hoch & P.H. Raven

{In Wiggins as Boisduvalia densiflora (Lindl.) S. Watson} Status in CFP: 2B.
Epilobium foliosum (Torr. & A. Gray) Suksd.  
[syn = Epilobium minutum Lindl. ex Lehm. var. foliosum Torr. & A. Gray]  
{BC: Palmer 4217 (MO 2159363)}  
This very rare native species is only known from historical specimens collected on the northern end of Guadalupe Island and may be extirpated from our region.  
Ecoregions: PI (Guadalupe); Wider distrib.: w USA, w Canada

Epilobium glaberrimum Barbey subsp. glaberrimum  
{In Wiggins as Epilobium glaberrima (no subspecies)}  
Status in CFP: 2B.  
{BC: J. Delgadillo s.n., 30 Oct 1998 (SD 164972); BCS: León de la Luz 694 (HCIB 14298)}  
This rare native species occurs at higher elevations in the SSPM of nw BC and in the SLL of BCS.  
Ecoregions: CMT, CPM; Wider distrib.: w USA

Eremothera boothii (Douglas) W.L. Wagner & Hoch subsp. condensata (Munz) W.L. Wagner & Hoch  
{In Wiggins as Camissonia boothii (Douglas) P.H. Raven subsp. condensata (Munz) P.H. Raven; syn = Oenothera boothii Douglas subsp. condensata (Munz) Munz, Camissonia boothii (Douglas) P.H. Raven var. condensata (Munz) Cronq.]  
{BC: Rebman 1281 (SD 137096)}  
This uncommon subspecies occurs in extreme ne BC from the USA/Mexico border south to the southern end of the Laguna Salada.  
Ecoregions: LCD; Wider distrib.: SON, sw USA

Eremothera chamaeneroides (A. Gray) W.L. Wagner & Hoch  
{In Wiggins as Camissonia chamaeneroides (A. Gray) P.H. Raven; syn = Oenothera chamaeneroides A. Gray}  
{BC: Moran 26940 (SD 102640); BCS: Rebman 5155 (SD 142915)}  
This rare species occurs on the lower eastern slopes of the SJ & SSPM and in San Matias Pass of n BC. It also occurs on Angel de la Guarda Island in the Gulf, in the SASAM, SBOR, SLIB of s BC, and on V3V & SGUAD of n BCS.  
Ecoregions: LCD, CD, GIG; Wider distrib.: SON, CHH, sw USA

Eremothera refracta (S. Watson) W.L. Wagner & Hoch  
{syn = Camissonia refracta (S. Watson) P.H. Raven}  
{BC: D.R. Harvey s.n. 13 Apr 1960 (SDSU 8847)}  
This very rare native species is only known in our region from one historical specimen collected by Harvey at “25 miles E of Desengaño” in April 1960 and this specimen needs to be verified.  
Ecoregions: CD; Wider distrib.: sw USA

Eulobus angelorum (S. Watson) W.L. Wagner & Hoch  
{In Wiggins as Camissonia angelorum (S. Watson) P.H. Raven; syn = Oenothera angelorum S. Watson}  
LC endemic.  
{BC: Rebman 4850 (SD 144733); BCS: Rose 16208 (US)}  
This uncommon species is endemic to our region and occurs mostly in s BC from near San Luis Gonzaga south to the BC/BCS border and rarely in n BCS including the VPEN.  
Ecoregions: CD, VD, GCD

Eulobus californicus Nutt. ex Torr. & A. Gray  
{In Wiggins as Camissonia californica (Nutt. ex Torr. & A. Gray) P.H. Raven; syn = Oenothera californica (Nutt. ex Torr. & A. Gray) Greene, Oenothera leptocarpa Greene}  
{BC: Moran 14935 (SD 72315); BCS: Moran 19776 (SD 92676)}  
This common native species occurs throughout much of BC and rarely in n BCS. It also occurs on Todos Santos & San Martín Islands in the Pacific and on Angel de la Guarda Island in the Gulf.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, San Martín), LCD, CD, VD, GCD; Wider distrib.: SON, AZ, CA

Eulobus crassifolius (Greene) W.L. Wagner & Hoch  
{In Wiggins as Camissonia crassifolia (Greene) P.H. Raven; syn = Oenothera crassifolia Greene}  
LC endemic.  
{BC: Moran 19437 (SD 84392); BCS: Moran 19719 (SD 92677)}  
This dune species is endemic to our region and occurs mostly along the Pacific coast on beaches from Punta Cabras in nw BC south to Bahía de Magdalena in wc BCS. It also occurs on Cedros, Natividad and Magdalena islands in the Pacific.  
Ecoregions: CSS, CSU, PI (Cedros, Natividad), CD, VD, MAG

Eulobus sceptrostigma (Brandegee) W.L. Wagner & Hoch  
{In Wiggins as Camissonia sceptrostigma (Brandegee) P.H. Raven; syn = Oenothera sceptrostigma Brandegee}  
LC endemic.  
{BC: Moran 12857 (SD 65123); BCS: Rebman 7755 (SD 158940)}  
This species is endemic to our region and occurs most commonly in the WD region, but ranges from near Cataviña in c BC south to Bahía de Magdalena in wc BCS.  
Ecoregions: CD, VD, GCD, MAG

{syn = Gayophyrum helleri Rydb. var. erosulatum Jeps., Gayophyrum intermedium Rydb., Gayophyrum lasiospermum Greene, Gayophyrum lasiospermum var. hoffmannii Munz, Gayophyrum nuttallii Torr. & Gray var. abramsii Munz, Gayophyrum nuttallii var. intermedium (Rydb.) Munz, Gayophyrum diffusum var. strictipes (Hook) Dorn}  
Status in CFP: 4.  
{BC: Moran 24424 (SD 97878)}  
This uncommon native subspecies occurs at higher elevations in the SJ & SSPM of nw BC. It also occurs on Angel de la Guarda Island in the Gulf, in the SASSAM, SBOR, SLIB of BC, and on V3V & SGUAD of n BCS.  
Ecoregions: LCD, CD, GIG; Wider distrib.: SON, CHH, sw USA

Gayophyrum oligospermum H. Lewis & Szweyk.  
Status in CFP: 2A.  
{BC: Moran 29778 (SD 110142)}  
This very rare native species occurs in the SJ of n BC.  
Ecoregions: CMT; Wider distrib.: CA

Gongylodorus fruticosus (Benth.) Brandegee subsp. fruticosus  
{syn = Burragea fruticulosa (Benth.) Donn.Sm.}
This rare BCS endemic subspecies occurs on Magdalena & Santa Margarita islands in the Pacific.

Ecoregions: MAG (Magdalena, Santa Margarita)

**Gongylodorus fruticosus** (Benth.) Brandegee subsp. *glomeratus* (J.H. Thomas) Carlgquist & P.H. Raven

This rare BCS endemic subspecies occurs on Magdalena Island in the Pacific.

Ecoregions: MAG (Magdalena, Santa Margarita)

**Lopodia clavata** Brandegee

BCS endemic.

This uncommon BCS endemic species occurs throughout much of the state in the SSF, SGUAD, SGIG, & the Cape region.

Ecoregions: CD, GI, GPL, CPM

**Ludwigia octovalvis** (Jacq.) P.H. Raven subsp. *octovalvis*

In Wiggins as Ludwigia octovalvis (no subspecies); syn = Ludwigia octovalvis var. octofila (DC.) Alain

This very rare BCS endemic species occurs in wet areas from the northern MAG region south to the Cape region of BCS.

Ecoregions: MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, se USA & TX, West Indies, South America

**Ludwigia peploides** (Kunth) P.H. Raven subsp. *peploides*

[Syn = *Jussiaea repens* L. var. peploides (Kunth) Griseb., *Jussiaea peploides* Kunth]

This very rare native species prefers sandy substrates and occurs mostly in nw BC from Tijuana to El Rosario and rarely in the Cape region of BCS.

Ecoregions: CSS, CSU, CPL; Wider distrib.: Native to SON, SIN, scattered in Mexico, w & s USA, West Indies, Central & South America

**Oenothera brandegeei** (Munz) P.H. Raven

LC endemic.

This very rare species is endemic to our region and occurs near Bahía de Los Angeles & in the SLIB of s BC and on Ángel de la Guarda Island in the Gulf and near San Ignacio in n BCS.

Ecoregions: CD, VD

**Oenothera breedlovei** Dietrich & P.H. Raven


BCS endemic.

This very rare BCS endemic species occurs in high elevation meadows of the SLL.


Ecoregions: CPM

**Oenothera hookeri** var. *hirsutissima* (A. Gray ex S. Watson) Munz

[Syn = Oenothera hookeri subsp. *hirsutissima* (Bartlett) Munz]

Status in CFP: 4.

**Oenothera hookeri** var. *avita* (Bartlett) Munz

[Syn = Oenothera hookeri subsp. *avita* (Bartlett) Munz]

Status in CFP: 4.

**Oenothera hookeri** var. *ornata* (A. Nelson) Munz

[Syn = Oenothera hookeri subsp. *ornata* (A. Nelson) Munz]

Status in CFP: 4.

**Oenothera elata** var. *hirsutissima* (Bartlett) Munz

[Syn = Oenothera hookeri subsp. *hirsutissima* (Bartlett) Munz]

Status in CFP: 4.

**Oenothera elata** var. *ornata* (A. Nelson) Munz

[Syn = Oenothera hookeri subsp. *ornata* (A. Nelson) Munz]

Status in CFP: 4.

**Oenothera elata** var. *angustifolia* (R.R. Gates) Munz

[Syn = Oenothera hookeri subsp. *angustifolia* (R.R. Gates) Munz]

Status in CFP: 4.

**Oenothera elata** var. *hirsutissima* (Cockerell) Cockerell

[Syn = Oenothera hookeri subsp. *hirsutissima* (Cockerell) Cockerell]

Status in CFP: 4.

**Oenothera elata** var. *ornata* (A. Nelson) Munz

[Syn = Oenothera hookeri subsp. *ornata* (A. Nelson) Munz]

Status in CFP: 4.
var. angustifolia R.R. Gates, Oenothera biennis L. var. hirsutissima Gray ex S. Watson

\{BC: Moran 17975 (SD 76722)\}

This native subspecies occurs in wet areas of nw BC from Tijuana south to San Vicente and in the SJ & SSPM.

Ecoregions: CSS, CHA, CMT; Wider distr.: SON, w USA

WESTERN EVENING-PRIMROSE, HARRY EVENING-PRIMROSE

Oenothera elata Kunth subsp. hookeri (Torr. & A. Gray) W. Dietr. & W.L. Wagner

\{BC: Rebman 5495 (SD 145546)\}

This rare native subspecies occurs in the upper foothills & mountains of the SSPM in nw BC and differs from subsp. hirsutissima by having red blister-like hair bases on the sepals & longer anthers.

Ecoregions: CHA, CMT; Wider distr.: CA

HOOKER EVENING-PRIMROSE

Oenothera flavia (A. Nelson) Garrett

\{BCS: M. Domínguez L. 2607 (HCIB 11573)\}

This very rare native species is only known from one specimen in our region collected in BCS on the Llanos de Hiray and this specimen needs to be verified.

Ecoregions: MAG; Wider distr.: SON, CHH, w USA, s Canada

YELLOW EVENING-PRIMROSE

Oenothera kunthiana (Spach) Munz

\{BC: Rebman 5203 (SD 142303)\}

This rare native species occurs in the SGUAD & SGIG of BCS and also on the Magdalena Plains on the Llanos de Hiray.

Ecoregions: GIG, MAG; Wider distr.: SON, SIN, n Mexico, AZ, TX

KUNTH EVENING-PRIMROSE

*Oenothera lacinia* Hill

[In Wiggins as Oenothera lacinia subsp. pubescens (Willd. ex Spreng.) Munz]

\{BCS: León de la Luz 88 (HCIB 14275)\}

This rare non-native species occurs in the SLL of BCS, but it is possible that the specimens from the SLL of BCS are mis-IDs of the endemic O. breidlovbei and need to be verified.

Ecoregions: CPM; Wider distr.: Native to c USA, introduced in CA

CUT-LEAF EVENING-PRIMROSE

Oenothera primiveris A. Gray subsp. bufonis (M.E. Jones) Munz

[syn = Oenothera johnsonii Parry]

\{BC: Moran 8079 (RSA 172606)\}

This very rare subspecies occurs in se BC in the vicinity of Bahía de Los Angeles and differs from subsp. primiveris by having larger petals and grey hairy leaves.

Ecoregions: CD; Wider distr.: sw USA

Hairy Desert EVENING-PRIMROSE

Oenothera primiveris A. Gray subsp. primiveris

[In Wiggins as Oenothera primiveris subsp. caulescens (Munz) Munz]

\{BC: Moran 12433 (SD 65113)\}

This uncommon native subspecies occurs in s BC.

Ecoregions: CD, GCCD; Wider distr.: SON, sw USA & TX

DESERT EVENING-PRIMROSE

Oenothera rosea L’Hér. ex Aiton

\{BCS: T.S. Brandegee 219 (UC 107636)\}

This very rare native, pink-flowered species is only known from a couple of historical specimens in our region collected by Brandegee in the 1990s in the SLL of BCS.

Ecoregions: CPM; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central & South America

ROSE EVENING-PRIMROSE, HIERBA DEL GOLPE

*Oenothera speciosa* Nutt.

\{BC: Rebman 16078 (SD 191484)\}

This rare non-native is often planted as an ornamental and has rarely naturalized near Ensenada in nw BC.

Ecoregions: CSS; Wider distr.: Native from NM to c USA, introduced in SON, c Mexico, w USA

BEAUTIFUL EVENING-PRIMROSE, PINK LADIES; AMAPOLA DEL CAMPO

Oenothera tetrapetra Cav.

\{BCS: A. Carter 3356 (SD 49039)\}

This rare native, white-flowered species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distr.: SON, widespread in Mexico, TX, South America

FOUR-WING EVENING-PRIMROSE; LINDA TARDE BLANCA

Oenothera triloba Nutt.

[In Wiggins as Camissonia graciliflora (Hook. & Arn.) P.H. Raven]

\{BC: Moran 21831 (SD 91235)\}

This rare BC endemic occurs mostly on sandy substrates in the vicinity of San Quintín, but it also ranges down into the CD region of s BC where it is rare on dunes. It differs from O. deltoides by having glandular trichomes present and smaller anthers less than 6 mm in length.

Ecoregions: CSU

WIGGINS EVENING-PRIMROSE

Tetrapteron gracili*florum* (Hook. & Arn.) W.L. Wagner & Hoch

[In Wiggins as Camissonia graciliflora (Hook. & Arn.) P.H. Raven]

Status in CFP: 2A, 9.

\{BC: Sanders 5414 (UCR 38482)\}

This very rare native species is only known from one historical specimen in our region collected near Rancho Las Lagunitas just north of the BC/BCS border in s BC.

Ecoregions: CSS; Wider distr.: CA, OR

Hill Sun Cup

Xylonagra arborea (Kellogg) Donn. Sm. & Rose subsp. arborea

BC endemic. Status in CFP: 1B, 7.

\{BC: Moran 15156 (SD 67900)\}

This rare BC endemic occurs only on Cedros Island and differs from subsp. wigginsii by having smaller flowers & leaves and glandular hairs on the sepals & young herbage.

Ecoregions: PI (Cedros)

CEDROS ISLAND XYLONAGRA

Xylonagra arborea (Kellogg) Donn. Sm. & Rose subsp. wigginsii

Munz


\{BC: Moran 17072 (SD 76950); BCS: T.R. Van Devender 219 (HCIB 17801)\}

This uncommon subspecies is endemic to our region and occurs mostly along the coast in the CD region of c & s BC and also near...
**Orchidaceae**

**Castilleja affinis** Hook. & Arn. subsp. *affinis*  
[In Wiggins as *Castilleja californica* Abrams]  
Status in CFP: 2A.  
{BC: Moran 30108 (SD 110472)}  
This native species occurs mostly along the Pacific coast from Tijuana south to El Rosario & in the SJ of nw BC.  
Ecoregions: CSS, CSU, CMT; Wider distrib.: CA.

**Castilleja applegatei** Fernald subsp. *martinii* (A. Gray) T.I. Chuang & Heckard  
[In Wiggins as *Castilleja martinii* Abrams]  
Status in CFP: 4.  
{BC: Moran 14129 (SD 79653)}  
This native species occurs mostly in the upper foothills & mountains of the SJ & SSPM. It also occurs in the mountains just northeast of Ensenada.  
Ecoregions: CHA, CMT; Wider distrib.: CA.

**Castilleja attenuata** (A. Gray) T.I. Chuang & Heckard  
[In Wiggins as *Orthocarpus attenuatus* A. Gray]  
Status in CFP: 2B.  
{BC: Moran 23202 (SD 94868)}  
This native species occurs in nw BC mostly in the foothills & mountains of the SJ. It also occurs on Guadalupe Island in the Pacific.  
Ecoregions: CHA, CMT, PI (Guadalupe); Wider distr.: w USA, w Canada, Chile.

**Castilleja beldingii** (Greene) Tank & J.M. Egger  
[In Wiggins as *Clevelandia beldingii* (Greene) Greene; syn = *Orthocarpus beldingii* Greene]  
BCS endemic.  
{BC: Domínguez 38 (SD 139877)}  
This BCS endemic species occurs in the Cape region & has been reported for the s SGIG.  
Ecoregions: CPL, CPM.

**Castilleja bryantii** Brandegee  
BCS endemic.  
{BC: Rebman 5230 (SD 142298)}  
This BCS endemic occurs mostly on sky islands of the state from the V3V, SGUAD, SGIG, south to the SLL in the Cape region.  
Ecoregions: CD, GIG, CPL, CPM.

**Castilleja densiflora** (Benth.) T.I. Chuang & Heckard subsp. *gracilis* (Benth.) T.I. Chuang & Heckard  
[In Wiggins as *Orthocarpus densiflorus* Benth. var. gracilis (Benth.) Keck]  
Status in CFP: 2A.  
{BC: Moran 16143 (SD 73030)}  
This rare subspecies occurs mostly in extreme nw BC between Tijuana & Ensenada, but one historical specimen documents it near “Chapala” in e BC.  
Ecoregions: CSS, CHA, CD; Wider distr.: CA.

**Castilleja exserta** (A. Heller) T.I. Chuang & Heckard subsp. *exserta*  
[In Wiggins as *Orthocarpus purpurascens* Benth.]  
{BC: Moran 15788 (SD 71486)}  
This uncommon native species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs on various sky islands including the SASAM & SBOR in s BC south to the SSF & V3V in n BC.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, Guadalupe); Wider distr.: AZ, CA.

**Castilleja foliculosa** Hook. & Arn.  
{BC: Moran 28895 (SD 105548); BCS: Arce 9 (SD 143233)}  
This relatively common species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs in the mountains just north of Ensenada.  
Ecoregions: CHA, CMT, PI (Todos Santos, Guadalupe); Wider distr.: CA.

**Castilleja fruticosa** Moran  
BC endemic. Status in CFP: 1B, 5.  
{BC: Moran 6142 (SD 69743)}  
This very rare BC endemic occurs only on the southern end of Guadalupe Island & on adjacent Outer (Zapato) Islet.  
Ecoregions: PI (Guadalupe).  

**Castilleja guadalupensis** Brandegee  
{BC: A.W. Anthony s.n., Jul-Oct 1896 (UC 103541)}  
This very rare BC endemic occurs only in the central & northern portions of Guadalupe Island & may possibly be extinct.  
Ecoregions: PI (Guadalupe).

**Castilleja integrata** A. Gray  
[syn = *Castilleja angustifolia* A. Gray]  
{BC: Moran 3424 (MO 3022687)}  
This very rare native species has only been documented once in our region by a historical specimen deposited at MO & annotated by G. Nesom. This specimen was collected near Laguna Hanson in 1950 but needs to be verified that it is not *C. lanata*.  
Ecoregions: CMT; Wider distr.: SON, CHH, AZ, CO, NM, TX.

**Castilleja lanata** A. Gray  
Status in CFP: 2B.  
{BC: Moran 23032 (SD 95484); BCS: Moran 20208 (SD 92351)}  
This BCS endemic occurs mostly on sky islands of the state from the V3V, SGUAD, SGIG, south to the SLL in the Cape region.  
Ecoregions: CD, GIG, CPL, CPM.

**Castilleja microphylla** Hook. & Arn.  
[In Wiggins as *Orthocarpus microphyllus* Benth.]  
{BC: Moran 16328 (SD 73079)}  
This uncommon native species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs on various sky islands including the SASAM & SBOR in s BC south to the SSF & V3V in n BC.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, Guadalupe); Wider distr.: CA.

**Castilleja parviflora** (Greene) T.I. Chuang & Heckard subsp. *parviflora*  
[In Wiggins as *Orthocarpus parviflorus* Benth.]  
{BC: Moran 15788 (SD 71486)}  
This uncommon native species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs on various sky islands including the SASAM & SBOR in s BC south to the SSF & V3V in n BC.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, Guadalupe); Wider distr.: CA.

**Castilleja phalaris** Hook. & Arn.  
[In Wiggins as *Orthocarpus phalaris* Benth.]  
{BC: Moran 16328 (SD 73079)}  
This uncommon native species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs on various sky islands including the SASAM & SBOR in s BC south to the SSF & V3V in n BC.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, Guadalupe); Wider distr.: CA.

**Castilleja pygmaea** Hook.  
[In Wiggins as *Orthocarpus pygmaeus* Benth.]  
{BC: Moran 15788 (SD 71486)}  
This uncommon native species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs on various sky islands including the SASAM & SBOR in s BC south to the SSF & V3V in n BC.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, Guadalupe); Wider distr.: CA.

**Castilleja xylonagra** Hook. & Arn.  
[In Wiggins as *Orthocarpus xylonagrus* Benth.]  
{BC: Moran 16328 (SD 73079)}  
This uncommon native species occurs throughout most of nw BC from Tijuana & the n SJ south to the s SSPM. It also occurs on various sky islands including the SASAM & SBOR in s BC south to the SSF & V3V in n BC.  
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos, Guadalupe); Wider distr.: CA.
This uncommon native species occurs mostly on sky islands ranging from the SJ south to the SLIB in BC & in the SSF & V3V of n BC. Ecoregions: CHA, CMT, CD; Wider distrib.: SON, CHH, COA, AZ, NM, TX

Chaparral Broom-rape

**Castilleja miniata** Hook. subsp. miniata

[syn = Castilleja oblongifolia A. Gray, Castilleja miniata var. oblongifolia (A. Gray) Munz]

Status in CFP: 2A.

{BC: Moran 29775 (SD 110211)}

This rare native species occurs at higher elevations in the SJ of n BC.

Ecoregions: CMT; Wider distrib.: w USA & Canada

Giant Red Paintbrush

**Castilleja minor** (A. Gray) A. Gray subsp. spiralis (Jeps.) T.I. Chuang & Heckard

[In Wiggins as Castilleja stenantha A. Gray]

Status in CFP: 4.

{BC: D. Clemons 2013 (SD 122614)}

This native taxon occurs in the foothills & mountains of the SJ & SSPM of nw BC and in wetter canyons on the lower eastern slopes of the SJ & SSPM in the desert.


{BC: Moran 14317 (SD 79623)}

This rare BC endemic occurs only at higher elevation in the SSPM of nw BC.

**Castilleja ophiocephala** Tank & J.M. Egger


[In Wiggins as Ophioccephalus angustifolius Wiggins]

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 14317 (SD 79623)}

This rare BC endemic occurs only at higher elevation in the SSPM of nw BC.

Ecoregions: CPM

San Pedro Martir Snakehead

**Castilleja subinclusa** Greene subsp. subinclusa

[In Wiggins as Castilleja jeponii Bacig. & Heckard]

{BC: Moran 22856 (SD 96674)}

This uncommon native species occurs mostly in nw BC from Tecate south to near El Rosario and on adjacent Todos Santos Island. It also occurs disjunctly in the CD region to the SBOR of s BC.

Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos), CD; Wider distrib.: CA

Long-leaf Paintbrush

Reference: see Castilleja ophiocephala: Tank 2009

Dark-Tip Bird’s Beak

**Dieranostegia orcuttiana** (A. Gray) Pennell

[In Wiggins as Cordylanthus orcuttianus A. Gray; syn = Adenostegia orcuttiana (A. Gray) Greene]

Status in CFP: 8; Listed: CNPS 2.1.

{BC: Moran 13948 (SD 68922)}

This rare native species occurs in the upper foothills & mountains of the SSPM & disjunctly to the SASAM of c BC.

Ecoregions: CHA, CMT, CD; Wider distrib.: AZ, CA

**Orobanche bulbosa** (A. Gray) Beck

{BC: Moran 14940 (SD 72347)}

This rare native parasite occurs in the western foothills of the SJ & SSPM in nw BC and in the SASAM of c BC.

Ecoregions: CHA, CMT; Wider distrib.: CA
Orobanche californica Cham. & Schtlndl. subsp. feudgei (Munz) Heckard
[In Wiggins as Orobanche grayana Beck var. feudgei Munz]
Status in CFP: 2A.
{BC: Moran 27491 (SD 103681)}
This rare native parasite occurs mostly in the upper foothills & mountains of the SJ in nw BC. Note that the specimen collected farther south & nearer to the coast at San Telmo may represent an undescribed taxon that needs more taxonomic work.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: CA
SAGEBRUSH BROOM-RAPE

Orobanche cooperi (A. Gray) A. Heller
[syn = Orobanche ludoviciana Nutt. var. cooperi (A. Gray) Beck]
{BC: Webster 18269 (SD 96018); BCS: Rebman 5204 (SD 142302)}
This native parasite occurs from the lower eastern slopes of the SJ in ne BC south in deserts to the SGUAD of n BC.
Ecoregions: LCD, CD, GD, GIG; Wider distrib.: CA
BEACH BROOM-RAPE; DESERT BROOM-RAPE; FLOR DE TIERRA, MAIZ DE COCHI

Orobanche fasciculata Nutt.
[syn = Orobanche fasciculata var. franciscana Achey, Orobanche fasciculata var. subulata Goodman, Orobanche fasciculata var. typica Achey]
Status in CFP: 4.
{BC: Moran 21099 (SD 84566)}
This native parasite occurs in the foothills & mountains of the SJ & SSPM in n BC to the southern end of the SSPM.
Ecoregions: CD, VL; Wider distrib.: CA, AZ, NM, TX
CLUSTERED BROOM-RAPE, YELLOW BROOM-RAPE

Orobanche multicaulis Brandegee subsp. multicaulis
{BC: Moran 7947 (SD 60638); BCS: M. Domínguez L. 3607 (HCIB 19366)}
This native parasite from the CD region in c BC south to near Ciudad Constitución in c BCS. This species is sometimes lumped into Oreopheri and more taxonomic research is needed.
Ecoregions: CD, GD; Wider distrib.: w & c USA, Canada
SPICED BROOM-RAPE

Orobanche parishii (Jeps.) Heckard subsp. brachyloba Heckard
Status in CFP: 1B; Listed; CNPS 4.2.
{BC: Moran 27165 (SD 102353)}
This very rare native subspecies occurs mostly on beaches near the Pacific coast in the vicinity of Colonel in nw BC.
Ecoregions: CSU; Wider distrib.: CA
BEACH BROOM-RAPE, SHORT-LOBED BROOM-RAPE

Orobanche parishii (Jeps.) Heckard subsp. parishii
[In Wiggins as Orobanche californica Cham. & Schtlndl. var. parishii Jeps.]
Status in CFP: 2A.
{BC: Moran 14312 (SD 79634)}
This rare native parasite occurs at higher elevations in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: CA
PARISH BROOM-RAPE

Pedicularis densiflora Hook.
Status in CFP: 2A.
{BC: Moran 21740 (SD 91053)}
This rare native species occurs in extreme nw BC from Tecate south to near Ensenada.
Ecoregions: CSS, CHA; Wider distrib.: CA, OR
INDIAN WARRIOR, WARRIOR’S PLUME

Oxalidaceae

Oxalis albicans Kunth
[syn = Oxalis wrightii A. Gray]
{BCS: Lindsay 1943 (SD 45553)}
This rare native species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: n Mexico, c & s USA
WOOD-SORREL; AGRITOS

Oxalis californica (Abrams) R. Knuth
[syn = Oxalis albicans Kunth subsp. californica (Abrams) G. Eiten]
{BC: Moran 16002 (SD 71508); BCS: Moran 19684 (SD 92780)}
This native species occurs mostly in nw BC from Tijuana south to the s SSPM & is disjunct to the SBOR & SLIB of s BC and the SCLAR of nw BCS.
Ecoregions: CSS, CHA, CSU, LCD, CD, GD; Wider distrib.: CA, OR
WOOD-SORREL; AGRITOS

Oxalis corniculata L.
{BC: Moran 10869 (UC 1235553); BCS: Thomas 7917 (SD 50006)}
This species is likely native to the SLL of BCS & to the vicinity of San Matías in n BC, but is a common weed in urban areas and is expected as an adventive elsewhere.
Ecoregions: LCD, CPM; Wider distrib.: Native to Mexico, West Indies, Central & South America, introduced & widespread in USA, Canada, Europe, Asia, Africa, Australia
CREeping WOOD-SORREL; AGRITOS, SOCOCOYLE, DORMILONA

Oxalis drummundii A. Gray
[syn = Oxalis amplifolia auct. non (Trel.) R. Knuth]
{BCS: Rebman 3382 (SD 139525)}
This rare native species occurs in the s SGIG & Cape region of s BCS.
Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, n Mexico, AZ, NM, TX
DRUMMOND WOOD-SORREL; AGRITOS

Oxalis latifolia Kunth
[syn = Oxalis amplifolia (Trel.) R. Knuth, Oxalis divergens Lindl. var. amplifolia Trel., Oxalis stipulata (Rose) Rose ex R. Knuth]
{BCS: T.S. Brandegee s.n., 17 Jan 1889 (MO 1893203)}
This rare native species occurs in the SGIG & on Magdalena & Santa Margarita islands in the Pacific off of w BCS. Specimens identified as this need to be verified & more taxonomic research is needed on this species and related O. drummondii.

Oxalidaceae
Ecoregions: CSS, CHA; Wider distrib.: SON, widespread in Mexico, AZ, NM, TX, Central & South America
*Wide-leaf Wood-Sorrel*; *Agritox*

**Oxalis metcalfei** (Small) R. Knuth
[syn = Oxalis monticola Small, Oxalis bulbosa A. Nels.]  
{BCS: León de la Luz 4913 (HCIB 2988)}
This very rare native species occurs in the SLL of BCS & this specimen needs to be verified that it is not *O. latifolia*, *O. drummondii*, or *O. alpina.*
Ecoregions: CPM; Wider distrib.: SON, CHH, DUR, ZAC, AZ, CO, NM, TX
*Metcalf Wood-Sorrel*; *Agritox*

**Oxalis nudiflora** Sessé & Moc. ex DC.  
{BCS: León de la Luz 3397 (SD 126828)}
This rare native species occurs in the Cape region of BCS & on adjacent Cerralvo Island.
Ecoregions: CPL, CPM; Wider distrib.: SIN, c Mexico
*Naked-Flower Wood-Sorrel*; *Agritox*, *Xocoyol Africano*

**Paeoniaceae**

**Paeonia californica** Nutt.  
[syn = Paeonia brownii Doug. ex Hook. subsp. californica (Nutt.) Abrams]  
Status in CFP: 4.  
{BC: Moran 26096 (SD 110766)}
This uncommon, invasive non-native occurs in disturbed urban areas of extreme nw BC from Tijuana & Tecate south to Ensenada. It also occurs rarely on Cedros Island.
Ecoregions: CSS, PI (Cedros); Wider distrib.: Native to s Africa, introduced in AZ, CA, FL
*Bermuda-Buttercup*; *Agritox*, *Xocoyol Africano*

**Papaveraceae**

**Argemone gracilenta** Greene  
{BC: Moran 12851 (SD 65004); BCS: Rehman 4453 (SD 141582)}
This uncommon native species occurs from the SLIB in s BC south to the vicinity of La Paz in BCS.
Ecoregions: CD, BD, GCD, GIG, MAG; Wider distrib.: SON, AZ
*Sonoran Prickly Poppy*, *Cowboy’s Fried Eggs*; *Cardo*, *Chicalote*

**Argemone munith** Durand & Hilg.  
[syn = Argemone munith subsp. argentea G.B. Ownbey]  
Status in CFP: 3.  
{BC: Rehman 3177 (SD 139212); BCS: Ross 6987 (SD 217339)}
This native species occurs most commonly in nw BC, but also ranges into ne BC and into the CD of e & s BC. It is also known rarely from extreme nw BCS.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, BD; Wider distrib.: SON, sw USA
*Prickly Poppy*, *Cardo*, *Chicalote*

**Argemone mexicana** L.  
{BCS: Rehman 7073 (SD 158936)}
This native species occurs mostly in the Cape region of BCS and rarely in the s SGIG. This species differs from *A. ochroleuca* in having bright yellow petals & subglobose buds.
Ecoregions: GIG, CPL, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, TX, c & e USA, West Indies, Central & South America, introduced in Europe, Asia, Africa, Australia
*Mexican Prickly Poppy*; *Cardo*, *Santa*, *Chicalote*

**Argemone ochroleuca** Sweet subst. *ochroleuca*  
{syn = Argemone mexicana L. subsp. ochroleuca (Sweet) Schwarzbach}  
{BC: A. Carter 2632 (UC)}
This rare, presumably native species occurs in the Cape region of BCS and is only known in our region from a historical specimen collected by Carter (2632), but it may be more common than we know as a result of the taxonomic difficulties in distinguishing this species from the more commonly encountered *A. mexicana*. This species differs from *A. mexicana* in having pale lemon yellow petals and oblong buds.
Ecoregions: CPL; Wider distrib.: Native to SON, SIN, widespread in Mexico, AZ, introduced in Central & South America, Asia, Africa, Australia
*Pale Mexican Prickly Poppy*; *Cardo*, *Chicalote*

**Argemone subintegri folia** G.B. Ownbey  
{BC: J. Delgadillo s.n., 1 Mar 1995 (SD 164970)}
This rare BC near-endemic occurs in ne BC and on Aguadilla Island in the Gulf. It also occurs on San Esteban Island of Sonora.
Ecoregions: LCD, CD; Wider distrib.: SON (San Esteban Island)  
*Baja California Prickly Poppy*; *Cardo*, *Chicalote*

**Corydalis aurea** Wild.  
{syn = Corydalis aurea subsp. occidentalis (Engelm. ex A. Gray) G.B. Ownbey}  
Status in CFP: 2B.  
{BC: Moran 23253 (SD 95116)}
This very rare native species is only known from one specimen collected at the southern end of the SJ in n BC. This species is sometimes recognized in the Fumariaceae.
Ecoregions: CHA; Wider distrib.: CA
*Golden Corydalis*, *Scrambled Eggs*

**Dendromecon rigida** Benth.  
{BC: Moran 16376 (SD 75449)}
This native shrub occurs mostly in chaparral communities in nw BC from the USA/Mexico border south to the SSPM.
Ecoregions: CSS, CHA; Wider distrib.: CA
*Bush Poppy*, *Amapola Amarilla*

**Ehrendorferia chrysantha** (Hook. & Arn.) Rylander  
{syn = Dicentra chrysantha (Hook. & Arn.) Walp.}  
{BC: Moran 16579 (SD 71602)}
This uncommon fire-follower occurs in nw BC from the USA/Mexico border south to the SSPM. This species is sometimes recognized in the Fumariaceae.
Ecoregions: CHA; Wider distrib.: CA
*Golden Ear-Drops*

**Eschscholzia californica** Cham. subsp. *californica*

[In Wiggins as Eschscholzia californica Cham. var. peninsularis (Greene) Munz; syn = Eschscholzia bicornuta Greene, Eschscholzia brandegeei Greene, Eschscholzia humilis Greene, Eschscholzia peninsularis Greene]

{BC: Moran 20891 (SD 88769)}

This common and variable native subspecies occurs from Tecate in nw BC south to the SBOR in s BC. It also occurs on the adjacent Pacific islands of Los Coronados and Todos Santos. This subspecies can be difficult to separate from *E. c. subsp. mexicana* but differs in having bifid cotyledons.

Ecoregions: LCD, CD, GCD; Wider distrib.: SON, CA through the CD to extreme se BC.

**Hodgson 8871a**

{BC: Lindsay s.n., 18 Apr 1948 (SD 43089); BCS: R. Philbrick B74-61 (SD 202295)}

This uncommon insular endemic species occurs on Los Coronados, Todos Santos, San Martín, Guadalupe, San Benitos, Cedros, & Natividad islands; also on the Channel islands of CA.

Ecoregions: PI; Wider distrib.: CA (Channel islands)

**ISLAND POPPY; CEBOOLL**

**Meconella denticulata** Greene

[syn = Meconella oregana Nutt. var. denticulata (Greene) Jeps.]

Status in CFP: 2A.

{BC: Moran 26718 (SD 101731)}

This rare native species occurs in nw BC between Ensenada & Santo Tomás.

Ecoregions: CSS, CHA; Wider distrib.: CA

**SMALL-FLOWER MECONELLA**


**Papaver californicum** A. Gray

[syn = Papaver leonmonii Greene]

Status in CFP: 2A.

{BC: Moran 22511 (SD 91658)}

This rare fire-follower is only known from a couple of specimens collected in nw BC near Tecate and Santo Tomás.

Ecoregions: CSS, CHA; Wider distrib.: CA

**FIRE POPPY, WESTERN POPPY**

**Papaver heterophyllum** (Benth.) Greene

[In Wiggins as Stylomecon heterophyllum (Benth.) G. Taylor]

{BC: Moran 19313 (SD 84405); BCS: Moran 19940 (SD 92797)}

This uncommon native species occurs mostly in nw BC along the Pacific coast from Tijuana south to the vicinity of El Rosario, on Los Coronados, Todos Santos, & San Martín islands, and rarely in extreme nw BC in the w VPEN.

Ecoregions: CSS, CSU, PI, WD; Wider distrib.: CA

**WIND POPPY**

**Platystemon californicus** Benth.

[In Wiggins as Platystemon californicus var. californicus, Platystemon californicus var. crinitus Greene; syn = Platystemon californicus var. mutans Brandegee, Platystemon australis Greene]

{BC: F. Gander s.n., 11 Jun 1933 (SD 1844)}

This uncommon native species occurs mostly in nw BC from Tijuana south to near El Rosario, is reported for Guadalupe Island by Brandegee, and is disjunct to the SASAM in s BC.

Ecoregions: CSS, CHA, CSU, PI (Guadalupe), CD; Wider distrib.: AZ, CA, OR, UT

**CREAM CUPS**

**Romneya trichocalyx** Eastw.

[syn = Romneya coulteri Harvey var. trichocalyx (Eastw.) Jeps.]

{BC: Moran 15106 (SD 69284)}

This uncommon native perennial occurs in nw BC from near Tecate south to the vicinity of San Quintín and the western slope of the SSPM.

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA

**Hairy Matilija Poppy; Ampola del Campo**

**Passifloraceae**


**Passifloraceae**

Passiflora arida (Mast. & Rose) Killip
[In Wiggins as Passiflora arida var. cerralbensis Killip, Passiflora arida var. pentanchista Killip; syn = Passiflora foetida L. var. arida Mast. & Rose]
(BC: C.F. Harbison s.n. 24 Apr 1940 (SD 27235); BCS: M. Domínguez L. 3163 (SD 157736))
This highly variable native species occurs from extreme se BC south to the Cape region of BCS and on many adjacent Gulf islands. Although many varieties have been described for this species Goldman (2003) states that the characters separating them are highly variable and completely intergrade.
Ecoregions: CPL; Wider distrib.: c & s Mexico, West Indies, Central & South America
Tunera, Damiana; Damiana

Passiflora foetida L. var. gossypiifolia (Desv. ex Ham.) Mast.
[In Wiggins as Passiflora foetida var. longipedunculata Killip]
(BCS: Rehmam 5787 (SD 143111))
This uncommon native taxon occurs in BCS from near Malegé south to the Cape region.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, TX, Central & South America
Cotton-Leaf Passion Flower; Rosal de la Pasion, Bolsita de Vibora, Sandillita

Passiflora fruticosa Killip
BCS endemic.
(BCS: Rehmam 1721 (SD 137079))
This BCS endemic species occurs on the east side of the peninsula from near Santa Rosalía to La Paz & on many adjacent Gulf islands. It also occurs near Bahía de Magdalena & on the adjacent Magdalena & Santa Margarita islands.
Ecoregions: GCD, MAG
Magdalena Passion Flower; Granadilla, Granaditos, Sandillita

Passiflora palmeri (DeV.) Killip
[In Wiggins as Passiflora palmeri var. longipedunculata Killip]
(BCS: Rehmam 12882 (SD 65145); BCS: León de la Luz 9316 (SD 160061))
This species is a near-endemic to our region and occurs along the Gulf side of the peninsula from near Laguna Salada in ne BC south to La Paz in se BCS. It also occurs on many adjacent Gulf islands.
Ecoregions: LCD, CD, GCD, GIG; Wider distrib.: SON, SIN, USA/Mexico border, but disjunct populations in the SBOR of s BC
Palmer Passion Flower; Granadilla, Sandillita, Sandia de la Pasion

Passiflora patagonica Killip
[In Wiggins as Passiflora patagonica Killip]
(BCS: Rehmam 160061)
This rare native species occurs mostly in extreme n BC near the USA/Mexico border, but disjunct populations in the SBOR of s BC have also been called this species and may need more taxonomic study.
Ecoregions: CMT, CD; Wider distrib.: CA
Jacumba Bush Monkey Flower

Phrymaceae


Diplacus aridus Abrams
[In Wiggins as Mimulus aridus (Abrams) A.L. Grant; syn = Mimulus aurantiacus Curtis var. aridus (Abrams) D.M. Thompson]
Status in CFP: 4; Listed: CNPS 4.3.
(BCS: Moran 13145 (SD 62981))
This rare native species occurs mostly in extreme n BC near the USA/Mexico border, but disjunct populations in the SBOR of s BC have also been called this species and may need more taxonomic study.
Ecoregions: CMT; CD; Wider distrib.: CA
San Diego Bush Monkey Flower

Diplacus xaustralis (Munz) Tulig
[In Wiggins as Mimulus aurantiacus Curtis var. pubescens McMinx munz; syn = Mimulus aurantiacus Curtis var. pubescens (Torr.) D.M. Thompson × var. puniceus (intermediate hybrid)]
(BCS: Moran 13954 (SD 64841))
This uncommon native hybrid/intermediate between D. longiflorus & D. puniceus occurs in extreme nw BC from the USA/Mexico border south to Colonet.
Ecoregions: CSS, CHA; Wider distrib.: CA
San Diego Bush Monkey Flower

Diplacus brandegeei (Pennell) G.L. Nesom
[syn = Mimulus latifolius A. Gray, Diplacus latifolius (A. Gray) G.L. Nesom nom. illeg.]
Status in CFP: 1B.
Phytoeneuron 41: 1-36.


Erythranthe arvensis (Greene) N.S. Fraga
[syn = Mimulus arvensis Greene, Mimulus guttatus DC. subsp. arvensis (Greene) Munz]
{BC: Rebman 17265 (SD 195651)}
This rare native species occurs in BC near Santo Tomás, & in the SASAM & SLIB.
Ecoregions: CSS, CD; Wider distrib.: w USA, w Canada
FIELD MONKEY FLOWER

Erythranthe austrolatidens G.L. Nesom
BCS endemic.
{BC: M. Domínguez L. 3448 (SD 151776)}
This rare BCS endemic occurs from the SGUAD to the southern end of the SGIG.
Ecoregions: GIG
GIganta Monkey Flower

Erythranthe brevinasuta G.L. Nesom
LC endemic.
{BC: Moran 12525 (SD 65163); BCS: Moran 20115 (SD 92318)}
This rare species is endemic to our region and occurs in n BC in the SLIB south into n & c BCS to the central part of the SGIG.
Ecoregions: CD, WD, GIG
SHORT-TOOTH MONKEY FLOWER

Erythranthe cardinalis (Benth.) Spach
{In Wiggins as Mimulus cardinalis Benth.}
{BC: Moran 27842 (SD 103211)}
This uncommon native species occurs in wet areas of nw BC south into the extreme northwestern portion of the CD region near Misión San Fernando Velicatá. It also occurs on Cedros Island.
Ecoregions: CSS, CHA, CMT, CU, CD; Wider distrib.: CA, NV, OR
SCARLET MONKEY FLOWER

Erythranthe dentiloba (B.L. Rob. & Fernald) G.L. Nesom
{In Wiggins as Mimulus dentilobus B.L. Rob. & Fernald}
{BC: Rehman 4591 (SD 141561)}
This uncommon native species occurs in c & n BCS on the sky islands of SSF, SGUAD, & SGIG.
Ecoregions: CD, GIg; Wider distrib.: SON, SIN, CHH
TOOTH-Petal MONKEY FLOWER

Erythranthe diffusa (A.L. Grant) N.S. Fraga
Fraga, Naomi S. 2012. A revision of Erythranthe montoides and Erythranthe palmeri (Phrymaceae), with descriptions of five new species from California and Nevada, USA. Aliso 30(1): 49-68.
{In Wiggins as Mimulus diffusus A.L. Grant; syn = Mimulus palmieri A. Gray misappl.}
Ecoregions: 2A; Listed: CNPS 4.3.
{BC: Moran 20994 (SD 83849)}
This uncommon native species occurs in c & n BCS in the SJ and its western foothills.
Ecoregions: CHA, CMT; Wider distrib.: CA
PALOMAR MONKEY FLOWER

Erythranthe exigua (A. Gray) G.L. Nesom & N.S. Fraga
{In Wiggins as Mimulus exigua A. Gray}
Status in CFP: 2A; Listed: CNPS 1B.2.
{BC: Moran 23339 (SD 96975)}
This rare native species occurs in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA
SAN BERNARDINO MONKEY FLOWER

This very rare insular native occurs only on Guadalupe Island in our region.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (Santa Catalina & Santa Cruz island)
GUADALUPE MONKEY FLOWER

Diplacus brevipes (Benth.) G.L. Nesom
{In Wiggins as Mimulus brevipes Benth.}
{BC: Moran 10525 (SD 110922)}
This uncommon native species occurs in nw BC south to the southern end of the SSPM.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA
SLOPE SEMAPHORE

Diplacus clevelandi (Brandegee) Greene
{In Wiggins as Mimulus clevelandi Brandegee}
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 16153 (SD 73083)}
This rare native species prefers gabbro substrates and occurs in extreme nw BC between Tecate & Ensenada.
Ecoregions: CSS, CHA; Wider distrib.: CA
CLEVELAND BUSH MONKEY FLOWER

Diplacus fremontii (Benth.) G.L. Nesom
{In Wiggins as Mimulus fremontii (Benth.) A. Gray}
{BC: Moran 28308 (SD 104957)}
This uncommon native occurs in nw BC in the western foothills of the SJ & SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
FREMONTH BUSH MONKEY FLOWER

Diplacus longiflorus Nutt.
{In Wiggins as Mimulus longiflorus (Nutt.) A.L. Grant; syn = Mimulus aurantiacus Curtis var. pubescens (Torr.) D.M. Thompson}
Status in CFP: 2A.
{BC: Moran 29082 (SD 105984)}
This uncommon native species occurs mostly at lower elevations in nw BC from the USA/Mexico border south to the western slopes of the SSPM.
Ecoregions: CSS, CHA; Wider distrib.: CA
BUSH MONKEY FLOWER

Diplacus punicus Nutt.
{In Wiggins as Mimulus punicus (Nutt.) Steud.; syn = Mimulus aurantiacus Curtis var. punicus (Nutt.) D.M. Thompson}
{BC: Moran 19387 (SD 84324)}
This common native species occurs along the Pacific coast in nw BC from the vicinity of Tijuana south to near El Rosario.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA
COAST BUSH MONKEY FLOWER

Diplacus stellatus Kellogg
{In Wiggins as Mimulus stellatus (Kellogg) A.L. Grant; syn = Mimulus aurantiacus Curtis var. aurantiacus misappl.}
{BC: Moran 25410 (SD 99652)}
This rare BC endemic occurs only on Cedros Island.
Ecoregions: PI (Cedros)
CEDROS BUSH MONKEY FLOWER


**Erythranthe floribunda** (Lindley) G.L. Nesom

[In Wiggins as Mimulus floribundus Lindley]

\{BC: Moran 16304 (SD 75306); BCS: Moran 7333 (SD 49953)\}

This uncommon native species occurs sporadically in wet areas throughout most of the peninsula from nw BC south to the Cape region.

Ecoregions: CSS, CHA, CMT, CD, VD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, CHH, w & s USA

**showy monkey Flower**

**Erythranthe glabrata** (Kunth) G.L. Nesom

[In Wiggins as Mimulus glabratus A. Gray (should be Kunth)]

\{BCS: T.S. Brandegee s.n., 2 Oct 1899 (UC 103736)\}

This very rare native species has only been documented once in BCS based on a historical specimen collected by Brandegee in 1899 at La Chuparosa in the SLL. This specimen needs to be re-examined because the “Mimulus glabratus” complex has recently been separated into various species.

Ecoregions: CPM; Wider distrib.: SON, SIN, w, c, & s Mexico, Central America

**Round-leaf Monkey Flower**

**Erythranthe guttata** (DC.) G.L. Nesom

[In Wiggins as Mimulus guttatus DC.]

\{BC: Moran 15048 (SD 69250)\}

This common native species occurs in nw BC from the vicinity of Tijuana and the SJ south to the southern SSPM. Many other currently recognized, yellow-flowering species in the southern portions of our region have historically been lumped under this highly variable species.

Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: SON, CHH, COA w USA, w Canada

**Sea Monkey Flower**

**Erythranthe lagunensis** G.L. Nesom

[syn = Mimulus guttatus DC. var. puberulus (Greene) A.L. Grant misappl.]

BCS endemic.

\{BCS: A. Carter 3353 (SD 49257)\}

This uncommon BCS endemic occurs in the Cape region mostly in the SLL & the Sierra Cacachilas.

Ecoregions: CPL, CPM

**Laguna Monkey Flower**

**Erythranthe latidens** (A. Gray) G.L. Nesom

[In Wiggins as Mimulus latidens (A. Gray) Greene]

Status in CFP: 2A.

\{BC: Moran 27111 (SD 102125)\}

This rare native species occurs only in a few vernal pools at Valle de las Palmas & in the vicinity of Colonel in nw BC.

Ecoregions: CSS, CSU; Wider distrib.: CA, OR

**Broad-tooth Monkey Flower**

**Erythranthe nasuta** (DC.) G.L. Nesom

[In Wiggins as Mimulus nasutus Greene; syn = Mimulus erosus Greene]

Status in CFP: 2B.

\{BC: Moran 27470 (SD 103494)\}

This uncommon native species is sometimes lumped under E. guttata, but differs in being an annual species. It occurs in nw BC from the SJ to the southern end of the SSPM.

Ecoregions: CSS, CHA, CMT; Wider distrib.: SON, w USA, w Canada

**Annual Sea Monkey Flower**

**Erythranthe parishii** (Greene) G.L. Nesom

[syn = Mimulus parishii Greene]

Status in CFP: 2A.

\{BC: Moran 27732 (SD 103176)\}

This very rare native species occurs in the SJ of n BC.

Ecoregions: CHA; Wider distrib.: CA, NV

**Parish Monkey Flower**

**Erythranthe primuloides** (Benth.) G.L. Nesom & N.S. Fraga

[syn = Mimulus primuloides Benth.]

Status in CFP: 2B.

\{BC: Rebman 5584 (SD 145551)\}

This very rare native species occurs at the highest elevations in the SSPM of n BC.

Ecoregions: CMT; Wider distrib.: CA, NV, OR, WA

**Purple Monkey Flower**

**Erythranthe purpurea** (A.L. Grant) N.S. Fraga

[In Wiggins as Mimulus purpureus A.L. Grant; syn = Mimulus purpureus A.L. Grant var. pauxillus A.L. Grant]

Status in CFP: 1B; Listed: CNPS 1B.2.

\{BC: Moran 25692 (SD 100906); BCS: Moran 20422 (SD 87262)\}

This very rare native species occurs in the higher, western foothills of the SSPM in n BC and on V3V in n BCS.

Ecoregions: CHA, CD; Wider distrib.: SON, CHH, sw USA

**Fringe-tooth Monkey Flower, Little Monkey Flower**

**Erythranthe verbenacea** (Greene) G.L. Nesom & N.S. Fraga

[syn = Mimulus verbenaceus Greene]

\{BC: Rebman 13597 (SD 183065); BCS: R. Domínguez C. 2708 (HCIB 22706)\}

This rare native species is sometimes confused with E. cardinalis, but differs in having a long exserted corolla tube. It occurs in the SJ of n BC and in the SGUAD of n BCS.

Ecoregions: CMT, GIG; Wider distrib.: SON, SIN, CHH, DUR, AZ, UT

**Crimson Monkey Flower**

**Mimetanthe pilosa** (Benth.) Greene

[In Wiggins as Mimulus pilosus (Benth.) S. Watson]

\{BC: Moran 15025 (SD 69241)\}

This uncommon native species occurs in nw BC from Tecate & the SJ south to San Quintín and the southern end of the SSPM. It also occurs disjunctly to the vicinity of SASAM at Yubay in the CD region.

Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: w & sw USA

**Downey Monkey Flower**

**Phyllanthaceae**

**Andrachne microphylla** (Lam.) Baill.

[In Wiggins as Andrachne ciliato-glandulosa (Millsp.) Croizat]

\{BC: Moran 10385 (SD 54113); BCS: Sanders 7522 (SD 125965)\}
This uncommon annual occurs throughout much of BCS except the southern Cape region and is rather rare in s BC. It also occurs on Cedros Island and various islands in the Gulf.

**Phyllanthus acuminatus** Vahl

{BCS: M. Domínguez L. 288 (SD 139913)}

This rare native occurs at higher elevations in the SLL of the Cape region.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico, West Indies, Central & South America

**Philyranthus brandegeei** Millsp.

{BC: A. Carter 5385 (SD 120740)}

This native species occurs in the SGUAD, SGIG, & Cape region of BCS.

Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, s & se USA, West Indies, Central & South America

**Phyllanthus evanescens** Brandegee

{BCS: Rodríguez J. 1735 (SD 110640)}

This rare native annual occurs in a few scattered populations in the central MAG region of BCS.

Ecoregions: MAG; Wider distrib.: SON, SIN, widespread in s Mexico, Central America

**Phyllanthus gypsicola** McVaugh

{BCS: Turner 64-345 (SD 61243)}

This native species occurs mostly in Colima, but according to Webster (2001) it also occurs rarely at lower elevations in the Cape region of BCS.

Ecoregions: CPL; Wider distrib.: COL, JAL

**Phyllanthus peninsularis** Brandegee subsp. *peninsularis*

[In Wiggins as Phyllanthus galeottianus Baill. misappl.]

{BCS: Rebman 5831 (SD 145390)}

This BCS endemic occurs throughout the Cape region and on adjacent Espíritu Santo and Cerralvo islands in the Gulf.

Ecoregions: GCD, CPL, CPM

**Phytolacca alliacea** L.

{BCS: T.S. Brandegee s.n. Oct 1899 (UC)}

This very rare native species has only been collected once in our region by Brandegee in 1899 at Miraflores in BCS. Some authors recognize this species in the Petiveriaceae.

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America

Guinea Henweed; guine


**Phytolacca icosandra** L.

{BC: Moran 30406 (SD 110741)}

This non-native species prefers disturbed habitats and occurs in nw BC between Tijuana & Ensenada.

Ecoregions: CSS; Wider distrib.: Native to SON, widespread in Mexico, AZ, Central & South America, introduced in CA & Old World tropics

Tropical Pokeweed; Cógora, Jaböncillo

**Phytolacca octandra** L.

{BCS: Rebman 5834 (SD 145364)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico, AZ, West Indies, Central & South America, worldwide tropics

Red Inkplant; Jaböncillo

**Rivina humilis** L.

{BCS: A. Carter 5385 (SD 120740)}

This native species occurs in the SGUAD, SGIG, & Cape region of BCS. Some authors recognize this species in the Rivinaceae or Petiveriaceae.

Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, s & se USA, West Indies, Central & South America

Pigeonberry, Rouge Plant; UcuQuiro, Coralito, Coralillo

**Picrodendraceae**

**Tetracoccus capensis** (I.M. Johnst.) Croizat

{BCS: T.S. Brandegee s.n. Oct 1899 (UC)}

This rare BCS endemic shrub occurs at lower elevations in the Cape region.

Ecoregions: CPL

Red Shrubby-Spurge

**Tetracoccus dioicus** Parry

{BC: Moran 26694 (SD 101695)}

This rare shrub occurs in a few populations in extreme nw BC between Tijuana & San Vicente.

Ecoregions: CSS; Wider distrib.: CA

Red Shrubby-Spurge, Parry Tetracoccus

**Tetracoccus hallii** Brandegee

{BC: Vinton 251 (SD 145451)}

This BCS endemic occurs in a few scattered populations in the central MAG region of BCS.
This very rare shrub occurs at lower elevations on eastern side of the SJ in n BC.
Ecoregions: LCD; Wider distrib.: AZ, CA, NV
HALL SHRUBBY-SPURGE

Plantaginaceae


Antirrhinum costatum Wiggins
[syn = Sairocarpus costatus (Wiggins) D.A. Sutton]
(BCS: A. Carter 4031 (RSA 466193))
This very rare native species has only been documented once in our region in the c SGIG.
Ecoregions: GIG; Wider distrib.: SON, SIN
SONORAN SNAPDRAGON

Antirrhinum coulterianum A. DC.
[In Wiggins as Antirrhinum coulterianum subsp. coulterianum, Antirrhinum coulterianum subsp. ocrtullanum (A. Gray) Pennell; syn = Sairocarpus coulterianus (A. DC.) D.A. Sutton]
{BC: Moran 28692 (SD 107453)}
This uncommon native species occurs in extreme nw BC from the vicinity of Tecate south to the SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
COULTER SNAPDRAGON

Antirrhinum kelloggii Greene
[In Wiggins as Asarina stricta (Hook & Arn.) Pennell; syn = Neogaerrhinum kelloggii (Greene) Thieret, Neogaerrhinum strictum (Hook. & Arn.) Rothm.]
Status in CFP: 2A.
{BC: Moran 30559 (SD 111153)}
This rare native species occurs in extreme nw BC between Tecate & Ensenada.
Ecoregions: CSS; Wider distrib.: CA
CLIMBING SNAPDRAGON

Antirrhinum nuttallianum × A. watsonii
{BC: Moran 19357 (SD 84331)}
This very rare interspecific hybrid between A. nuttallianum and A. watsonii has only been documented once in the sympatric distribution of the parent species in the vicinity of San Quintín in nw BC.
Ecoregions: CSU
HYBRID NUTTALL SNAPDRAGON

Antirrhinum nuttallianum A. DC. subsp. nuttallianum
[syn = Sairocarpus nuttallianus (A. DC.) D.A. Sutton]
Status in CFP: 2A.
{BC: Moran 28502 (SD 106040)}
This rare native subspecies occurs in extreme nw BC on the western foothills of the SJ.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
NUTTALL SNAPDRAGON, VIOLET SNAPDRAGON

Antirrhinum nuttallianum A. DC. subsp. subsessile (A. Gray)
D.M. Thompson
[syn = Sairocarpus pusillus (Brandegee) D.A. Sutton, Antirrhinum pusillus Brandegee, Antirrhinum nuttallianum f. pusillus (Brandegee) Munz, Antirrhinum nuttallianum var. subsessile (A. Gray) Jepson, Antirrhinum subsessile A. Gray]
{BC: Moran 20663 (SD 88702); BCS: Moran 20191 (SD 92834)}
This uncommon native subspecies occurs from near Tijuana & Tecate in nw BC south to the n SGIG in n BCS. It also occurs on several adjacent Pacific islands including Los Coronados, Todos Santos, San Martín, Guadalupe, & Cedros islands.
Ecoregions: CSS, CHA, CSU, PI, CD, VD, GIG; Wider distrib.: AZ, CA
BIG-GLAND NUTTALL SNAPDRAGON, LESSER SNAPDRAGON

Antirrhinum watsonii Vasey & Rose
[In Wiggins as Antirrhinum kingii S. Watson var. watsonii (Vasey & Rose) Munz; syn = Sairocarpus watsonii (Vasey & Rose) D.A. Sutton]
Status in CFP: 2B.
{BC: Moran 19356 (SD 84334); BCS: Moran 19954 (SD 92835)}
This widespread native species occurs from near San Quintín south to La Paz and on Cedros, San Benitos, Guadalupe & Natividad in the Pacific and many Gulf islands.
Ecoregions: CSU, PI, CD, VD, GCD, GIG; Wider distrib.: SON, AZ
WATSON SNAPDRAGON

Callitriche heterophylla Pursh var. bolanderi (Hegelm.) Fassett
[syn = Callitriche heterophylla Pursh subsp. bolanderi (Hegelm) Calder & Taylor, Callitriche bolanderi Hegelm.]
Status in CFP: 2B.
{BC: Moran 29304 (SD 106314)}
This rare native occurs in wetlands and is only known in our region from the SJ.
Ecoregions: CMT; Wider distrib.: w USA & sw Canada
BOLANDER WATER-STARWORT

Callitriche longipedunculata Morong
{BC: Moran 27108 (SD 102109)}
This small native prefers wet areas including vernal pools and occurs in extreme nw BC. This species has been previously lumped into C. marginata by some authors.
Ecoregions: CSS, CSU; Wider distrib.: CA
LONG-STALK WATER-STARWORT

Callitriche marginata Torr.
Status in CFP: 2B.
{BC: Moran 19418 (SD 84282)}
This native prefers wet microhabitats and occurs in extreme nw BC.
Ecoregions: CSS; Wider distr.: w USA & sw Canada
WINGED WATER-STARWORT

Callitriche palustris L.
[In Wiggins as Callitriche verna L.]
Status in CFP: 2B.
{BC: R.F. Thorne 55887 (SD 124029)}
This very rare native has only been documented one time in our region from Laguna Hanson in the SJ.
Ecoregions: CMT; Wider distr.: n & w USA, Canada, Europe, Asia, & naturalized in Australia
VERNAL WATER-STARWORT

Collinsia concolor Greene
Status in CFP: 2A.
{BC: Moran 21004 (SD 83874)}
This rare native species occurs in nw BC in the upper foothills of the SJ & SSPM.
Ecoregions: CSS, CHA, CMT; Wider distr.: CA
SOUTHERN CHINESE HOUSES

Collinsia heterophylla Graham var. heterophylla
{BC: Moran 20924 (SD 84645)}
This uncommon native variety occurs mostly at lower elevations along the Pacific coast in nw BC from Tijuana south to near El Rosario.

Ecoregions: CSS, CHA, CSU, PI; Wider distr.: CA

**Chinese Houses**


**Gambelia juncea** (Benth.) D.A. Sutton

[In Wiggins as Galvezia juncea (Benth.) Ball var. juncea, Galvezia juncea var. foliosa I.M. Johnst., Galvezia juncea var. pubescens (Brandegee) I.M. Johnst.; syn = Gambelia rupicola (Brandegee) D.A. Sutton, Galvezia rupicola Brandegee, Gambelia glabrata (Brandegee) D.A. Sutton, Galvezia glabrata Brandegee]

(BC: Rebman 3934 (SD 144347); BCS: León de la Luz 2100 (SD 126813))

This widespread & highly variable species occurs from near La Misión in nw BC south to the Cape region. It also occurs on Cedros, Magdalena & Santa Margarita islands in the Pacific islands and various adjacent Pacific islands.

Ecoregions: CSS, CHA, CSU, PI (Cedros), LCD, CD, GD, GCD, GIG, CPL, CPM; Wider distr.: SON

**Baja California Bush Snapdragon**

**Gambelia speciosa** Nutt.

[In Wiggins as Galvezia speciosa (Nutt.) A. Gray] Status in CFP: 1B; Listed: CNPS 1B.2.

{BC: Moran 17296 (SD 74818)}

This insular species is very rare in our region and occurs only on Guadalupe Island.

Ecoregions: PI (Guadalupe); Wider distr.: CA (Channel islands)

**Showy Island Snapdragon**

**Keckiella antiirrhinoideas** (Benth.) Straw var. antiirrhinoideas

{BC: Moran 27139 (SD 102351)}

This uncommon native variety is more prevalent on the Pacific slope of the peninsula from Tecate to near El Rosario and also occurs at a few places in the c CD region and in the SBOR of s BC. It differs from var. microphylla in having more ovate sepals that are acute at the tip.

Ecoregions: CSS, CHA, CSU, CD; Wider distr.: CA

**Yellow Bush Penstemon; Romerillo**

**Keckiella antiirrhinoideas** (Benth.) Straw var. microphylla (A. Gray) N.H. Holmgren

{BC: Moran 13141 (SD 62978); BCS: Moran 20426 (SD 87265)}

This rare native variety prefers drier habitats than var. antiirrhinoideas and occurs from the SJ in extreme n BC south to San Matías Pass & the SASAM in c BC to V3V in n BCS.

Ecoregions: CHA, CMT, LCD, CD; Wider distr.: SON, AZ, CA, NV

**Desert Bush Penstemon**

**Keckiella cordifolia** (Benth.) Straw

{BC: Moran 22582 (SD 91395)}

This uncommon native species occurs in extreme nw BC from near Tecate south to the vicinity of Colonet.

Ecoregions: CSS, CHA, CSU; Wider distr.: CA

**Climbing Bush Penstemon, Heart-leaf Keckiella**

**Keckiella ternata** (Torr. ex A. Gray) Straw var. ternata

{In Wiggins as Penstemon ternatus Torr. ex A. Gray}

This rare BC endemic occurs only on Ángel de la Guarda Island.

**Mohavea confertiflora** (A. DC.) A. Heller

[syn = Antirrhinum confertiflorum A. DC.]

{BC: D. Clemens 2367 (SD 133314)}

This uncommon desert annual occurs along the eastern side of the peninsula from near Mexicali in ne BC south to the vicinity of Bahía de Los Angeles and on Ángel de la Guarda Island in the Gulf.

Ecoregions: LCD, CD, Wider distr.: SON, AZ, CA, NV

**Ghost Flower**

**Nuttallanthus texanus** (Scheele) D.A. Sutton

{In Wiggins as Linaria texana Scheele; syn = Linaria canadensis (L.) Chaz. in part, misappl., Linaria canadensis (L.) Dum.-Cours. var. texana (Scheele) Pennell} {BC: Rebman 2589 (SD 137450); BCS: Moran 20424 (SD 87263)}

This uncommon & widespread native species occurs mostly at lower elevations in nw BC from Tijuana south to El Rosario and on various adjacent Pacific islands including Los Coronados, Todos Santos, & Guadalupe islands. It also occurs on various sky islands including the ASASM, SBOR, SLJB in BC and on V3V, SGUAD, & SLL in BCS.

Ecoregions: CSS, CHA, CSU, PI, CD, GIG, CPM; Wider distr.: SON, widespread in USA & Canada, temperate South America

**Blue Toadflax, Large Blue Toadflax, Texas Toadflax**

**Penstemon angelicus** (I.M. Johnst.) Moran

{In Wiggins as Penstemon clevelandii A. Gray subsp. angelicus (I.M. Johnst.) Keck; syn = Penstemon clevelandii A. Gray var. angelicus I.M. Johnst.}

BC endemic.

{BC: Moran 12930 (SD 62788)}

This rare BC endemic occurs only on Ángel de la Guarda Island.
Penstemon clevelandii (A. Gray) Hook. f.

This uncommon native species occurs mostly in nw BC in the foothills & mountains of the SJ & SSPM. It also occurs disjunctly to the SASAM in c BC.

Ecoregions: CHA, CMT; Wider distrib.: CA CALIFORNIA BEARDTONGUE

Penstemon clevelandii subsp. clevelandii

In Wiggins as Penstemon clevelandii A. Gray. Status in CFP: 1B; Listed: CNPS 1B.2.

BC endemic. Status in CFP: 1B.

This rare BC endemic occurs only on Cedros Island. It should be noted that the specific epithet was purposely spelled “cedrosensis” in the original description so it cannot be corrected to “cedroensis.”

Ecoregions: PI (Cedros) CEDROS BEARDTONGUE

Penstemon clevelandii var. clevelandii

In Wiggins as Penstemon clevelandii A. Gray subsp. clevelandii

BC endemic.

This uncommon native variety occurs mostly in nw BC in the foothills & mountains of the SJ & SSPM. It also occurs disjunctly to the SBOR in s BC.

Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: CA SCARLET Bugler; ROMERILLO

Penstemon spectabilis Thurber ex A. Gray var. spectabilis

This native variety occurs in extreme nw BC from the USA/Mexico border south to San Vicente and the nw foothills of the SSPM.

Ecoregions: CSS, CHA, CMT; Wider distrib.: sw USA BRIDGES BEARDTONGUE

Penstemon spectabilis subsp. subinteger D.D. Keck

BC endemic.

This rare native subspecies occurs at higher elevations in the SJ of n BC.

Ecoregions: CHA, LCD; Wider distrib.: sw USA THURBER BEARDTONGUE

Penstemon vizcainensis Keck

This BC endemic subspecies occurs from nw BC in the vicinity of San Telmo and San Quintín south to Bahía de Los Angeles.

Ecoregions: CSS, CHA, CSU, CD PENINSULAR SHOWY BEARDTONGUE; PICHEL

Plantago argyrea E. Morris

This native annual species occurs at higher elevations in the SSPM of n BC. It is similar to P. erecta, but differs in having densely hairy leaves, an elongate interrupted spike, and sepals that are emarginate at the tip.

Ecoregions: CMT; Wider distrib.: AZ, NM SALT MEADOW PLANTAIN

Plantago australis Lam. subsp. hirtella (Kunth) Rahn

This rare native subspecies occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ MEXICAN PLANTAIN

Plantago elongata Pursh

This native species occurs in extreme nw BC from the USA/Mexico border south to San Vicente and the nw foothills of the SSPM.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA PARISH BEARDTONGUE

Penstemon rostriflorus Kellogg

This rare native species occurs at higher elevations in the SJ & SSPM of n BC.

Ecoregions: CHA, CMT; Wider distrib.: sw USA BRIDGES BEARDTONGUE

Penstemon thurberi Torr.

This native variety occurs in extreme nw BC from the USA/Mexico border south to San Vicente and the nw foothills of the SSPM.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA THURBER BEARDTONGUE

Penstemon clevelandii var. bigelovii A. Gray

This rare native interspecific hybrid between P. centranthifolius & P. spectabilis occurs in nw BC in sympatric areas of the parent species.
Plantago ovata

Forssk. var. *insularis* (Eastw.) S.C. Meyers & A. Liston

[In Wiggins as Plantago insularis Eastw. var. insularis; syn = Plantago brunnnea Morris]

Status in CFP: 2B.

{BC: Moran 26563 (SD 101670); BCS: Moran 20031 (SD 92858)}

This uncommon native variety occurs along the Pacific coast from near Colonet in nw BC south to the VPEN in nw BCS. It also occurs on Guadalupe, San Benitos, & Natividad islands.

Ecoregions: CSS, PI, CD, VD; Wider distrib.: CA

PACIFIC PLANTAIN

Plantago patagonica

Jacq.

[In Wiggins as Plantago purshii Roem. & Schult. var. oblonga (E. Morris) Shinners; syn = Plantago patagonica var. gnaphalioides (Nutt.) A. Gray, Plantago patagonica var. spinulosa (Decne.) Gray, Plantago picta E. Morris, Plantago purshii Roemer & J.A. Schult., Plantago purshii var. breviscapa Shinners, Plantago purshii var. picta Pilger, Plantago purshii var. spinulosa (Decne.) Shinners, Plantago spinulosa Decne., Plantago wyomingensis Gand., Plantago patagonica var. breviscapa (Shinners) Shinners]

Status in CFP: 2B.

{BC: Moran 8140 (SD 60652); BCS: Moran 20492 (SD 87202)}

This uncommon native species occurs mostly on the sky islands of the peninsula from the SJ in n BC south to V3V in n BCS.

Ecoregions: CHA, CMT, CD; Wider distrib.: SON, widespread in USA & Canada, South America

DESERT PLANTAIN, WOOLLY DESERT PLANTAIN; PASTORA

Plantago rhodosperma

Decne.

Status in CFP: 2B.

{BC: Moran 28834 (SD 105735); BCS: Valov 54 (SD 182558)}

This uncommon native species grows mostly on heavy clay or volcanic soils and occurs along the Pacific from Tijuana south to Colonet in nw BC and in the SLIB of s BC and the SSF of n BCS.

Ecoregions: CSS, CU, CD; Wider distrib.: SON, nw Mexico, sw & sc USA

RED-SEED PLANTAIN

*Plantago lanceolata* L.

[syn = Plantago lanceolata var. spherostachya Mert. & Koch, Plantago allissima auct. non L.]

{BC: Moran 15306 (SD 67932)}

This rare native species occurs mostly in desert pools of nw BC from La Misión to San Quintín and is disjunct to a dry lake bed area in extreme s BC.

Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: w USA, w Canada

PRAIRIE PLANTAIN

*Plantago erecta* E. Morris

[In Wiggins as Plantago hookeriana Fisch. & Mey. var. californica (Greene) Poe; syn = Plantago patagonica Jacq. var. californica Greene, Plantago erecta subsp. rigidior Pilg.]

{BC: Moran 26449 (SD 101673)}

This native species occurs commonly in nw BC from the USA/Mexico border south to El Rosario & the SSPM. It is disjunct to the SLIB in s BC.

Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA, OR

DOT-SEED PLANTAIN

*Plantago major* L.

{BC: Moran 28593 (SD 105348); BCS: M. Domínguez L. 5 (HCIB 2129)}

This non-native species prefers disturbed habitats and occurs most commonly in nw BC, but also occurs sporadically down the peninsula in wet disturbed areas as far south as SLL of BCS.

Ecoregions: CSS, CHA, CMT, CSU, CD, VD, GCD, CPM; Wider distrib.: Native to Europe, introduced & widespread in Mexico, USA & Canada, Central & South America

ENGLISH PLANTAIN, RIB-GRASS, NARROW-LEAF PLANTAIN; LLANTÉN DE HOJA ANGOSTA

*Plantago nigra* Kunth

[In Wiggins as Plantago linearis Kunth var. mexicana (Link) Pilg.]

{BC: Rehman 5776 (SD 143110)}

This rare native species occurs in the higher elevations of the SLL in BCS.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico, Central & South America

WHITE PLANTAIN

*Plantago ovata* Forssk. var. *fastigiata* (E. Morris) S.C. Meyers & A. Liston

[In Wiggins as Plantago insularis Eastw. var. fastigiata (E. Morris) Jepson]

{BC: Hodgson 8848 (SD 145004); BCS: Pat Flanagan s.n., 30 Oct 1992 (SD 142766)}

This common native variety occurs mostly in desert habitats from ne BC south to the southern end of the SGIG in BCS.

Ecoregions: LCD, CD, VD, GIG, MAG; Wider distrib.: SON, sw USA & TX

WOOLLY PLANTAIN, DESERT INDIAN-WHEAT; PASTORA

Russelia grandidentata

Carlson

BCS endemic.

{BCS: Moran 18971 (SD 124365)}

*Plantago ovata* Forssk. var. *insularis* (Eastw.) S.C. Meyers & A. Liston

[In Wiggins as Plantago insularis Eastw. var. insularis; syn = Plantago brunnnea Morris]

Status in CFP: 2B.

{BC: Moran 26563 (SD 101670); BCS: Moran 20031 (SD 92858)}

This uncommon native variety occurs along the Pacific coast from near Colonet in nw BC south to the VPEN in nw BCS. It also occurs on Guadalupe, San Benitos, & Natividad islands.

Ecoregions: CSS, PI, CD, VD; Wider distrib.: CA

PACIFIC PLANTAIN

Plantago patagonica Jacq.

[In Wiggins as Plantago purshii Roem. & Schult. var. oblonga (E. Morris) Shinners; syn = Plantago patagonica var. gnaphalioides (Nutt.) A. Gray, Plantago patagonica var. spinulosa (Decne.) Gray, Plantago picta E. Morris, Plantago purshii Roemer & J.A. Schult., Plantago purshii var. breviscapa Shinners, Plantago purshii var. picta Pilger, Plantago purshii var. spinulosa (Decne.) Shinners, Plantago spinulosa Decne., Plantago wyomingensis Gand., Plantago patagonica var. breviscapa (Shinners) Shinners]

Status in CFP: 2B.

{BC: Moran 8140 (SD 60652); BCS: Moran 20492 (SD 87202)}

This uncommon native species occurs mostly on the sky islands of the peninsula from the SJ in n BC south to V3V in n BCS.

Ecoregions: CHA, CMT, CD; Wider distrib.: SON, widespread in USA & Canada, South America

DESERT PLANTAIN, WOOLLY DESERT PLANTAIN; PASTORA

Plantago rhodosperma Decne.

Status in CFP: 2B.

{BC: Moran 28834 (SD 105735); BCS: Valov 54 (SD 182558)}

This uncommon native species grows mostly on heavy clay or volcanic soils and occurs along the Pacific from Tijuana south to Colonet in nw BC and in the SLIB of s BC and the SSF of n BCS.

Ecoregions: CSS, CU, CD; Wider distrib.: SON, nw Mexico, sw & sc USA

RED-SEED PLANTAIN

*Plantago lanceolata* L.

[syn = Plantago lanceolata var. spherostachya Mert. & Koch, Plantago allissima auct. non L.]

{BC: Moran 15306 (SD 67932)}

This rare non-native species occurs the length of the peninsula from the SJ in n BC south to V3V in n BCS.

Ecoregions: CHA, CMT, CD; Wider distrib.: SON, n Mexico, sw & sc USA

RED-SEED PLANTAIN

Plantago virginica L.

[syn = Plantago virginica var. viridescens Fernald]

{BCS: Moran 7374 (SD 49907)}

This very rare species is questionably native to our region and has only been collected once in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Native to SON, e & c USA, introduced in w USA

DWARF PLANTAIN, VIRGINDIA PLANTAIN, PALE-SEED PLANTAIN

Pseudorontium cyathiferum (Benth.) Rothm.

[In Wiggins as Antirrhinum cyathiferum Benth.]

{BC: Moran 12940 (SD 62782); BCS: Rehm 7719 (SD 157886)}

This common native species occurs along the Pacific from Tijuana south to the Cape region. It also occurs on Santa Margarita Island in the Pacific and many Gulf islands.

Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, AZ, CA

DEEP CANYON SNAPDRAGON, CORK-SEED SNAPDRAGON, DESERT SNAPDRAGON; EMPIRCH


Russelia grandidentata

Carlson
This very rare BCS endemic occurs on Cerro Mechulado at the southern end of the SGIG & in the mountains east of La Paz.

Ecoregions: GIG, CPL
BAJA CALIFORNIA CORALBLOOM; CANUTILLO

Russelia retrorsa Greene f. nudicostata Carlson
BCS endemic.
{BCS: León de la Luz 7461 (SD 140621)}
This rare BCS endemic form of the species occurs in the SLL of BCS and differs in having broad & glabrous angles of the stem.

Ecoregions: CPM
LA LUZ CORALBLOOM; CANUTILLO

Russelia retrorsa Greene f. retrorsa
{BCS: M. Domínguez L. 3972 (HCIB 23130)}
This rare native form of the species occurs in the SGUAD and Cape region of BCS.

Ecoregions: GIG, CPL; Wider distr.: SIN, wc Mexico
PACIFIC CORALBLOOM; CANUTILLO

Veronica americana Schwein. ex Benth.
Status in CFP: 2A.
{BC: Moran 24409 (SD 97875)}
This rare native species occurs at higher elevations in the SLL of BCS.

Ecoregions: CHA, CMT; Wider distr.: SON, c Mexico, widespread in USA & Canada, temperate & arctic Asia
AMERICAN SPEEDWELL, AMERICAN BROOKLIME

Veronica peregrina L. subsp. xalapensis (Kunth) Pennell
{BC: Moran 15027 (SD 69242); BCS: Steve Boyd 5875 (RSA 576337)}

This uncommon native subspecies occurs most commonly in nw BC from La Misión and the SJ south to the southern end of the SSPPM. It also occurs in the SLIB of s BC and the c SGIG of BCS.

Ecoregions: CSS, CHA, CMT, CD, GIG; Wider distr.: SON, widespread in Mexico, USA, & Canada, South America
PURSLANE SPEEDWELL, MEXICAN SPEEDWELL, NECKLACEWEED

Veronica serpyllifolia L. subsp. humifusa (Dicks.) Syme
Status in CFP: 2B.
{BC: R.F. Thorne 60914 (SD 124985)}
This rare native subspecies occurs at higher elevations in the SSPPM of n BC.

Ecoregions: CMT; Wider distr.: Widespread in USA & Canada, South America, Eurasia
BRIGHT BLUE SPEEDWELL.

Platanus racemosa Nutt.
Status in CFP: 4.
{BC: Moran 19538 (SD 84292)}

This uncommon native tree occurs in nw BC from Tijuana south to the vicinity of San Quintín.

Ecoregions: CSS, CHA, CSU; Wider distr.: CA
WESTERN SYCAMORE; ALSO

Plumbaginaceae

Limonium californicum (Boiss.) A. Heller
[In Wiggins as Limonium californicum var. mexicanum (S.F. Blake) Munz; syn = Limonium mexicanum S.F. Blake]

Status in CFP: 4.
{BC: Moran 14055 (SD 64725); BCS: Evelyn Grey s.n., 2 Jul 1924 (SD 3672)}

This native species prefers salt marshes along the Pacific Ocean and occurs from La Misión in nw BC south to Laguna Ojo de Liebre in extreme nw BCS.

Ecoregions: CSS, CSU, CD, SD; Wider distr.: CA, OR
WESTERN MARSH-ROSEMARY; LAVANDA DEL MAR

*Plumbago auriculata* (Lam.) Mill.
{syn = Statice auriculata L.}
{BC: Moran 29758 (SD 104010)}

This non-native species is commonly planted in nw BC and has naturalized rarely along the coast between San Quintín & El Rosario, but is expected elsewhere in the region.

Ecoregions: CSS; Wider distr.: Native to the Canary Islands, introduced in CA
PERRY MARSH-ROSEMARY, PERRY SEA-LAVENDER; LAVANDA DEL MAR

*Plumbago auriculata* Lam.
{syn = Statice auriculata L.}
{BC: Moran 29747 (SD 108546)}

This non-native species is commonly planted as an ornamental in nw BC and has rarely naturalized in the Tijuana area.

Ecoregions: CSS; Wider distr.: Native to South Africa, introduced in CA, FL, LA, West Indies
CAPE LEADWORT; PLUMBAGO, ESTREÑINA

Plumbago zeylanica L.
{In Wiggins as Plumbago capensis Thunb.}
{BC: Moran 17225 (SD 194600); BCS: Moran 18800 (SD 94472)}

This non-native species occurs in wetter canyon bottoms from the SLIB in s BC south to the Cape region of BCS.

Ecoregions: CD, GIG, CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, AZ, FL, TX, West Indies, Central & South America, Africa, Asia, Pacific islands
DOCTOR BUSH; ARETITO, HIERBA DEL ALACRÁN, PLUMBAGO, ESTREÑINA

Podostemaceae

Osera couleriana Tul.
{BCS: M. Domínguez L. 2697 (SD 148697)}
This rare native aquatic species prefers living on rocks in moving streams and occurs in the Cape region of BCS. Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, WC Mexico.

**Polemoniaceae**


**Acanthogilia gloriosa** (Brandegee) A.G. Day & Moran
[In Wiggins as Ipomopsis gloriosa (Brandegee) A.D. Grant & V.E. Grant; syn = Gilia gloriosa Bradegee]
LC endemic.
{BC: D. Binney s.n. 10 Oct 1980 (SD 127849); BCS: Massey 5 (SD 176962)}
This species is a near-endemic to BC and ranges mostly along the Pacific side of the peninsula from near Punta San Antonio & San Fernando Velicatá south to the vicinity of Rosarito and is very rare in BCS with a disjunct population nearby. Status in CFP: 2B.
Ecoregions: CSU, CD, PI
Baja California Shrub Gilia


**Aliciella latifolia** (S. Watson) J.M. Porter subsp. latifolia
[In Wiggins as Gilia latifolia S. Watson]
{BC: D. Clemons 2361 (SD 133322)}
This rare low desert subspecies occurs in extreme NE BC from the USA/Mexico border south to the Sierra Cucapa just south of Mexico.
Ecoregions: LCD, Wider distrib.: SON, SW USA
Broad-Leaf Gilia

**Allophyllum gilioides** (Benth.) A.D. Grant & V.E. Grant subsp. gilioides
[In Wiggins as Allophyllum gilioides (no subspecies)]
Status in CFP: 4.
{BC: Moran 31075 (SD 133907)}
This very rare BC endemic species only known from one historical specimen collected on the lower eastern slope of the SLIB in SE BC. Status in CFP: 9.
Ecoregions: CSS, CHA, CSU, CD, PI (Guadalupe); Wider distrib.: W USA
Straggling False-Gilia

**Allophyllum gilioides** (Benth.) A.D. Grant & V.E. Grant subsp. violaceum (A. Heller) A.G. Day
[syn = Allophyllum violaceum (A. Heller) A.D. Grant & V.E. Grant]
Status in CFP: 2B.
{BC: Moran 23629 (SD 94775)}
This very rare native subspecies is only known from one specimen in the SJ of BC. Status in CFP: 2B.
Ecoregions: CHA, CMT, PI (Guadalupe); Wider distrib.: W USA
Violet False-Gilia

**Allophyllum glutinosum** (Benth.) A.D. Grant & V.E. Grant
{BC: Moran 50312 (SD 110876)}
This uncommon native species occurs in the foothills of BC and ranges from Tecate south to near San Quintín. Status in CFP: 4.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
Blue False-Gilia

**Allophyllum nemophilophyllum** J.M. Porter & L.A. Johnson
BC endemic.
{BC: Moran 8098 (SD 75692)}
This very rare BC endemic species occurs near Mesa San Carlos, in the SASAM, & in the SBOR off BC. According to J.M. Porter, this species should be recognized in the genus Gilia but the nomenclatural combination has not yet been made.
Ecoregions: CSS, CHA, CSU, GCD
Central Desert False-Gilia

**Bryantiella palmeri** (S. Watson) J.M. Porter
[In Wiggins as Gilia palmeri S. Watson var. palmeri, Gilia palmeri var. spectabilis A.G. Day]
BC endemic.
{BC: Moran 12921 (SD 62809)}
This uncommon BC endemic subspecies occurs in the Gulf coast from Puértécitos south to the vicinity of Bahía San Rafael and on adjacent Angel de la Guarda Island. Status in CFP: 8.
Ecoregions: CDN, CD, GCD
Palmer Bryantiella

**Dayia grantii** J.M. Porter
BCS endemic. Status in CFP: 2A.
{BCS: Webster 19625 (SD 109113)}
This very rare BCS endemic occurs only in the vicinity of Santa Rosalia in NE BCS. Status in CFP: 2A.
Ecoregions: CSS, CHA, CSU, PI
Grant Dayia

**Dayia scabra** (Brandegee) J.M. Porter
{Syn = Gilia scabra Bradegee}
BCS endemic.
{BCS: H.S. Gentry 8850 (SD 87061)}
This very rare BC endemic occurs only in the vicinity of Santa Rosalia in NE BCS. Status in CFP: 2A.
Ecoregions: CSS, CHA, CSU, PI
Santa Rosalia Dayia

**Dayia sonorae** (Rose) J.M. Porter
{Syn = Ipomopsis sonorae (Rose) A.D. Grant}
{BC: Moran 12494 (SD 64953)}
This very rare native species is only known from one historical specimen collected on the lower eastern slope of the SLIB in SE BC. Status in CFP: 2A.
Ecoregions: CDN, CD, GCD
Sonoran Ipomopsis

**Eriastrum densifolium** (Benth.) H. Mason subsp. elongatum (Benth.) H. Mason
Status in CFP: 2A.
{BC: Moran 9834 (SD 75692)}
This very rare BC endemic species occurs in the foothills & mountains of BC from Tecate south to the southern end of the SSM, but also near the coast just south of San Quintín. Status in CFP: 2A.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
Chiparral Woolly-Star

**Eriastrum diffusum** (A. Gray) H. Mason
{Syn = Eriastrum diffusum subsp. jonesii H. Mason}
{BC: Moran 12921 (SD 62809)}
This very rare BC endemic occurs only in the vicinity of Santa Rosalia in NE BCS. Status in CFP: 2A.
Ecoregions: CSS, CHA, CSU, PI
Sonoran Ipomopsis
Eriastrum eremicum (Jeps.) H. Mason subsp. eremicum
[In Wiggins as Eriastrum eremicum (no subspecies)]
{BC: Moran 30884 (SD 111279)}
This uncommon native subspecies occurs from La Rumorosa in the desert transition areas of the SJ south to the SASAM in c BC. It should be noted that S. DeGroot is describing a new subspecies in our region that occurs in the CD and in the SASAM.
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: CA
SOUTHWESTERN GILIA

Eriastrum filifolium (Nutt.) Wooton & Standl.  
[syn = Gilia filifolia Nutt.]
Status in CFP: 2A.
{BC: Moran 28576 (SD 105508)}
This uncommon native species occurs in nw BC from Tecate south to the vicinity of El Rosario.
Ecoregions: CHA, CMT, CD; Wider distrib.: CA
DESSERT WOOLLY-STAR

Eriastrum filifolium (Brand) H. Mason  
{In Wiggins as Eriastrum sapphirinum subsp. gymnocephalum (Brand) H. Mason}
Status in CFP: 2A.
{BC: Vestal 6054 (SD 21846)}
This very rare native species occurs in the n SJ & in the vicinity of San Vicente in nw BC.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: CA
SOUTHWESTERN GILIA

Gilia achillefolia Benth. subsp. abrotanifolia (Greene) Brand  
{In Wiggins as Gilia capitata Sims subsp. abrotanifolia (Greene) V.E. Grant [abrotanifolia misspelled]}
Status in CFP: 4.
{BC: Moran 30377 (SD 106322)}
This rare subspecies occurs in nw BC from Tecate south to near San Quintín and on the adjacent Los Coronados islands.
Ecoregions: CSS, CHA, CMT, CSU, PI (Coronados); Wider distrib.: CA
SOUTHWESTERN GILIA

Gilia angelensis V.E. Grant  
{BC: Moran 30488 (SD 111289)}
This uncommon native species occurs in nw BC from the vicinity of Tecate south to near El Rosario and on adjacent Todos Santos Island.
Ecoregions: CSS, CHA, CMT, CSU, PI (Todos Santos); CD; Wider distrib.: CA
GRASSLAND GILIA, CHAPARRAL GILIA

Gilia austrooccidentalis (A.D. Grant & V.E. Grant) A.D. Grant & V.E. Grant  
{BC: Moran 20532 (SD 87068)}
This very rare species occurs in ne BC near San Felipe and ranges south to the SASAM & SBOR in c BC. According to J.M. Porter this is probably not correctly identified as these specimens are out of range & ecology for this species. It should be noted that these vouchers have been annotated by A. Day but should be verified again.
Ecoregions: LCD, CD; Wider distrib.: CA
VOLCANIC GILIA

Gilia clivorum (Jeps.) V.E. Grant  
Status in CFP: 2A.
{BC: J.M. Porter 14297 (SD 222099)}
This very rare species is only known in our region from one specimen collected in nw BC just south of Ensenada.
Ecoregions: CSS; Wider distrib.: CA
PURPLE-SPOT GILIA

Gilia diegensis (Munz) A.D. Grant & V.E. Grant  
Status in CFP: 2A.
{BC: R.F. Thorne 60588 (SD 124976)}
This uncommon native species occurs in the upper foothills & mountains of the SJ & SSPM and ranges south into the CD to the vicinity of Laguna Chapala in c BC.
Ecoregions: CHA, CMT, CD; Wider distrib.: CA
LESSEr YELLOWTHROAT GILIA

Gilia flavocincta A. Nelson subsp. australis (A.D. Grant & V.E. Grant) A.G. Day & V.E. Grant  
{BC: Moran 20780 (SD 87060)}
This very rare native species occurs on Cerro Matomi at the southern end of the SSPM & in the SBOR in c BC.
Ecoregions: CD; Wider distrib.: SON, AZ, NM, TX
GILIA, EL PASO GILIA

Gilia mexicana A.D. Grant & V.E. Grant  
Status in CFP: 1B; Listed: CNPS 2.3.
{BC: Levin 1683 (SD 119245)}
This uncommon native species occurs in the upper foothills & mountains of the SJ & SSPM of nw BC and in the SBOR of c BC.
Ecoregions: CHA, CMT, CD; Wider distrib.: CA
CHANNEL ISLANDS GILIA, SAIO GILIA

Gilia nevini A. Gray  
{syn = Gilia multicaulis Benth. subsp. nevinii (A. Gray) H. Mason & A.D. Grant}
Status in CFP: 2A; Listed: CNPS 4.3.
{BC: Reban 6785 (SD 154535)}
This rare native insular species occurs on Guadalupe Island in our region and also on the Channel Islands of California.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (Channel islands)
GILIA, EL PASO GILIA

Gilia ochroleuca M.E. Jones subsp. exilis (A. Gray) A.D. Grant & V.E. Grant  
{syn = Gilia abramsii (Brand) H. Mason & A.D. Grant, Gilia abramsii subsp. integrifolia H. Mason & A.D. Grant, Gilia latiflora (A. Gray) A. Gray subsp. exilis (A. Gray) H. Mason & A.D. Grant}
{BC: Wiggins 11811 (SD 52732)}
This very rare native taxon occurs in the SJ of n BC and in the SASAM & SBOR of c BC.
Ecoregions: CMT, CD; Wider distrib.: CA
GILIA, VOLCANIC GILIA

Gilia scopulorum M.E. Jones  
Status in CFP: 2B.
{BC: Vinton s.n. 15 Mar 2003 (SD 182779)}
This very rare native species occurs on the lower western foothills of the SSPM in nw BC.
Ecoregions: CHA; Wider distrib.: AZ, CA, UT
ROCK GILIA
Gilia stellata A. Heller
({BC: D. Clemons 2016 (SD 122610)})
This uncommon native species occurs in deserts from the lower eastern slopes of the SJ & SSPM in ne BC south to Bahía San Rafael in se BC.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON, sw USA

Star Gilia

Ipomopsis effusa (A. Gray) Moran
[syn = Loeselia effusa A. Gray, Gilia effusa (A. Gray) J.F. Macbr., Gilia dunni Kellogg]
BC endemic. Status in CFP: 4, 5; Listed: CNPS 2.1.
({BC: D. Clemons 2319 (SD 131218)})
This BC endemic species occurs in the SJ & SSPM of nw BC. It has been collected once in the Yuha Desert area of Imperial County, but the specimen has not formally been deposited in a herbarium yet and is likely a waif.
Ecoregions: CHA, CMT

Baja California Ipomopsis

Ipomopsis guttata (A. Gray) Moran
[syn = Loeselia guttata A. Gray, Gilia guttata (A. Gray) A. Gray]
BC endemic. Status in CFP: 1B, 5.
({BC: Moran 29283 (SD 106300)})
This rare BC endemic occurs in the lower foothills on the western side of the SJ & SSPM in nw BC.
Ecoregions: CSS, CHA

Chuparrosa Ipomopsis

Ipomopsis tenuifolia (A. Gray) V.E. Grant
[syn = Loeselia tenuifolia A. Gray, Gilia tenuifolia (A. Gray) A. Gray]
Status in CFP: 4, 8; Listed: CNPS 2.3.
({BC: D. Clemons 2360 (SD 133321)})
This uncommon native species occurs mostly in the foothills & mountains of the SJ & SSPM and is disjunct to the SASAM in c BC.
Ecoregions: CSS, CHA, CMT, LCD, CD; Wider distrib.: CA
Slender-Leaf Ipomopsis, Scarlet Gilia, Slender-Leaf Skyrocket; Chuparrosa

Langloisia setosissima (Torr. & A. Gray) Greene subsp. setosissima
[In Wiggins as Langloisia setosissima (no subspecies)]
({BC: D. Clemons 2360 (SD 133321)})
This very rare native species is only known from one historical specimen collected just south of the USA/Mexico border on the lower eastern slope of the SJ in extreme ne BC.
Ecoregions: LCD; Wider distrib.: SON, sw USA

Bristly Langloisia

Leptosiphon chrysanthus J.M. Porter & R. Patt. subsp. chrysanthus
[In Wiggins as Linanthus aureus (Nutt.) Greene misappl.; syn = Leptosiphon aureus Bent., Vilm. misappl., Leptosiphon aureus (Nutt.) J.M. Porter & L.A. Johnson nom. illegit.]
({BC: No collector listed, 4 May 1888 (UC 335522)})
This very rare native subspecies is only known from a couple of historical collections in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: sw USA

Desert Gold, Golden Desert-Trumpet

Leptosiphon floribundus (A. Gray) J.M. Porter & L.A. Johnson subsp. floribundus
[In Wiggins as Linanthus floribundus (A. Gray) Greene ex Milliken subsp. floribundus]
Status in CFP: 4.
({BC: Moran 23675 (SD 94642)})
This uncommon native subspecies occurs mostly in nw BC from Ensenada and the SJ south to the SSPM and in the SASAM & SBO of c BC.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: CA
Many-Flower Linanthus, Snow-on-the-Mountain

[In Wiggins as Linanthus floribundus (A. Gray) Greene ex Milliken subsp. glaber R. Patt.]
Status in CFP: 4.
({BC: Moran 24878 (SD 98231); BCS: A. Carter 2330 (UC 916088)})
This uncommon native subspecies occurs mostly in nw BC in the foothills & mountains of the SJ & SSPM and is disjunct to the SLL of BCS.
Ecoregions: CHA, CMT, CD, CPM; Wider distrib.: CA
Summer Snow

Leptosiphon jamauensis (Moran) J.M. Porter & L.A. Johnson
[In Wiggins as Linanthus jamauensis Moran]
BC endemic. Status in CFP: 1B, 5.
({BC: Moran 25902 (SD 100603)})
This very rare BC endemic occurs in the foothills near San Quintín in nw BC.
Ecoregions: CSU
San Quintín Linanthus

Leptosiphon laxus (Vasey & Rose) J.M. Porter & L.A. Johnson
[In Wiggins as Linanthus laxus (Vasey & Rose) Wherry; syn = Gilia laxa Vasey & Rose]
BC endemic. Status in CFP: 1B, 5.
({BC: Moran 25902 (SD 100603)})
This very rare BC endemic occurs in the foothills near San Quintín in nw BC.
Ecoregions: CSU
San Quintín Linanthus

Leptosiphon lemontii (A. Gray) J.M. Porter & L.A. Johnson
[In Wiggins as Linanthus lemontii (A. Gray) Greene]
({BC: Levin 1696 (SD 119255)})
This rare native species occurs mostly in the upper foothills & mountains of the n SJ in nw BC and disjunct to the lower northwestern slope of the SSPM.
Ecoregions: CHA, CMT; Wider distrib.: CA
Lemmon Linanthus

Leptosiphon liniflorus (Benth.) J.M. Porter & L.A. Johnson
[syn = Linanthus liniflorus (Benth.) Greene, Gilia liniflora Benth., Linanthus liniflorus subsp. pharnaceoides (Benth.) H. Mason]
Status in CFP: 2B.
({BC: Moran 30595 (SD 10830)})
This very rare native species is only known from one historical specimen collected near Ojos Negros in nw BC.
Ecoregions: CHA; Wider distrib.: w USA
Great Basin Linanthus

Leptosiphon melangii (Wiggins) J.M. Porter & L.A. Johnson
[In Wiggins as Linanthus melangii (Wiggins) V.E. Grant; syn = Leptodactylon melangii Wiggins]
Leptosiphon nuttallii (A. Gray) J.M. Porter & L.A. Johnson subsp. nuttallii
[In Wiggins as Linanthus nuttallii (A. Gray) Greene subsp. nuttallii]
{BC: Moran 7426 (SD 49910)}
This rare native subspecies occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, CHH, w USA & w Canada
NUTTALL LINANTHUS

Leptosiphon parviflorus (Brand) J.M. Porter & L.A. Johnson subsp. continentalis (P.H. Raven) J.M. Porter & L.A. Johnson
{syn = Linanthus pygmaeus (Brand) J.T. Howell subsp. continentalis P.H. Raven}
{BC: Moran 30947 (SD 111375)}
This very rare native subspecies occurs on Guadalupe Island in the Pacific.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (San Clemente Island)
ISLAND PYGMY LINANTHUS

Leptosiphon pygmaeus (Brand) J.M. Porter & L.A. Johnson subsp. pygmaeus
{syn = Linanthus pygmaeus (Brand) J.T. Howell subsp. pygmaeus}
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 17388 (SD 74786)}
This very rare native subspecies occurs in the vicinity of Bahía de Los Ángeles.
Ecoregions: CHA, CMT, CSU; Wider distrib.: CA (San Diego County)
DESAIT BEAUTY

Linanthus bellus (A. Gray) Greene
Status in CFP: 4, 6; Listed: CNPS 2.3.
{BC: Levin 1695 (SD 119256)}
This uncommon native species occurs in the SJ & SSPM and ranges from La Rumorosa south to the southern end of the SSPM in nw BC.
Ecoregions: CHA, CMT, Wider distrib.: CA (se San Diego County)
DESAIT BEAUTY

Linanthus bigelovii (A. Gray) Greene
{syn = Gilia bigelovii A. Gray}
Status in CFP: 2B.
{BC: H.S. Gentry 8926 (SD 86405)}
This very rare BC endemic occurs on Cedros Island in the Pacific.
Ecoregions: PI (Cedros)
VEATCH DESERT-TRUMPET

Linanthus dianthus (Benth.) Greene
{syn = Linanthus peirsonii H. Mason}
{BC: Moran 26540 (SD 101525)}
This uncommon native species occurs along the Pacific coast and in the lower foothills of nw BC and ranges from near Tecate south to San Quintin and on adjacent South Coronado Island.
Ecoregions: CSS, CHA, CSU, PI (Coronados); Wider distrib.: CA
FARNOSE GROUND PINK

Linanthus dichotomus Bentham. subsp. pattersonii J.M. Porter
{BC: Moran 28241 (SD 105054)}
This recently described & rather rare subspecies occurs in BC and ranges from the n SJ south to the vicinity of Baja California.
Ecoregions: CHA, CMT, CD; Wider distrib.: CA
EVENING SNOW

Linanthus jonesii (A. Gray) Greene
{syn = Linanthus bigelovii (A. Gray) Greene var. jonesii (A. Gray) Jeps. & H. Mason}
{BC: D. Clemons 2015 (SD 122611); BCS: Moran 19990 (SD 92734)}
This uncommon native species occurs from near the SLL in s BC and on the VPEN of nw BCS.
Ecoregions: LCD, CD, VD; Wider distrib.: SON, AZ, CA
JONES LINANTHUS, JONES DESERT-TRUMPET

Linanthus occidentalis (Parry & A. Gray) Jeps. [syn = Linanthus occidentalis subsp. pacificus (Milliken) H. Mason]
Status in CFP: 2A; Listed: CNPS 1B.3.
{BC: Moran 30922 (SD 111362)}
This rare native species occurs mostly in the foothills of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT, CSU; Wider distrib.: CA
OCCIDENTAL LINANTHUS, LAGUNA LINANTHUS

Linanthus pungens (Torr.) J.M. Porter & L.A. Johnson
{syn = Leptodactylon pungens (Torr.) Rydb. subsp. hallii (Parish) H. Mason}
{BC: Moran 25670 (SD 100322); BCS: Moran 20441 (SD 87060)}
This native species occurs rarely in the SJ & SSPM of nw BC, frequently in the CD near the SASAM, on V3V in n BCS, and on Angel de la Guarda Island in the Gulf.
Ecoregions: CMT, CD; Wider distrib.: w USA & sw Canada
HALL PRICKLY-PHLOX, GRANITE GILIA

Linanthus uncialis (Brandegee) Moran
{syn = Gilia uncialis Brandegee}
LC endemic. Status in CFP: 1B, 7.
{BC: Raven 12528 (SD 84042); BCS: Moran 19991 (SD 92900)}
This very rare species is endemic to our region and occurs near El Rosario in w BC, on the VPEN in nw BCS, & on Cedros Island.
Ecoregions: CSU, PI (Cedros), VD
CEDROS LINANTHUS

Linanthus veatchii (Parry ex Greene) J.M. Porter & L.A. Johnson
{syn = Leptodactylon veatchii (Parry ex Greene) Wherry};
{BC: Oberbauer 13 (SD 127731)}
This very rare BC endemic occurs only on Cedros Island in the Pacific.
Ecoregions: PI (Cedros)
VEATCH DESERT-TRUMPET
**Linanthus viscainensis** Moran
BCS endemic.
{BC: Moran 19931 (SD 92629)}
*This very rare BCS endemic species occurs on the VPEN in nw BCS.*
Ecoregions: VD
**VIZCAINO DESERT-TRUMPET**


**Loeselia involucrata** G. Don
{BC: Rebm 5859 (SD 145361)}
*This uncommon native species occurs in the Cape region of BCS.*
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w Mexico
**SONORAN FALSE CALICO; GUAUCHICILA**

{BCS: Rebman 5859}

{In Wiggins as *Loeselia ciliata* L. misappl.*}

**Loeseliastrum schottii** (Torr.) S. Timbrook
{BC: Moran 9795 (SD 52629)}
*This rare species occurs in the extreme n SJ and in the low desert areas of ne BC.*
Ecoregions: CMT, LCD; Wider distr.: SON, SIN, w Mexico
**SONORAN FALSE CALICO; GUAUCHICILA**

**Microsteris gracilis** (Hook.) Greene
{syn = *Phlox gracilis* (Douglas ex Hook.) Greene, *Microsteris gracilis* var. hamilior (Hook.) Cronquist]
Status in CFP: 2B.
{BC: Moran 26608 (SD 101603)}
*This rare native species occurs mostly in the SJ & SSPM of nw BC.*
Ecoregions: CSS, CHA, CMT; Wider distr.: w USA, w Canada
**SLENDER PHLOX, DIFFUSE PHLOX**

**Navarretia atractyloides** (Benth.) Hook. & Arn.
{syn = *Navarretia hamata* Greene var. foliacea (Greene) Thorne, *Navarretia hamata* Greene subsp. foliacea (Greene) H. Mason]
{BC: Moran 29094 (SD 105980)}
*This uncommon native species occurs in nw BC from Tecate & Ensenada south to the western foothills of the SSPM.*
Ecoregions: CSS, CHA, CMT; Wider distr.: CA, OR
**HOLLY-LEAF SKUNKWEED, HOLLY-LEAF Pincushion**

**Navarretia fossalis** Moran
Status in CFP: 1B; Listed: FT, CNPS 1B.1.
{BC: Moran 23503 (SD 94935)}
*This rare native species occurs mostly in vernal pools and seasonally wet depressions in nw BC from Valle de Las Palmas and the extreme n SJ south to the vicinity of San Quintin.*
Ecoregions: CSS, CMT, CSU; Wider distr.: CA
**SPREADING NAVARRETTIA**

**Navarretia hamata** Greene subsp. *hamata*
Status in CFP: 2A.
{BC: Moran 14854 (SD 67359)}
*This rare subspecies occurs in the vicinity of Ensenada in nw BC.*
Ecoregions: CSS; Wider distr.: CA
**HOOKED SKUNKWEED**

**Navarretia hamata** Greene subsp. *leptantha* (Greene) H. Mason
Status in CFP: 4.
{BC: Moran 28577 (SD 105502)}

**Navarretia intertexta** (Benth.) Hook. subsp. *propinqua* (Suksd.) A.G. Day
{In Wiggins as *Navarretia intertexta* (no infraspecies)]
Status in CFP: 2B.
{BC: Moran 28871 (SD 105524)}
*This very rare native subspecies occurs near Laguna Hanson in the SJ of n BC.*
Ecoregions: CMT; Wider distr.: w USA, w Canada
**GREAT BASIN NAVARRETTIA**

**Navarretia peninsularis** Greene
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 31079 (SD 133910)}
*This rare native species occurs in the c & s SJ of nw BC.*
Ecoregions:CHA, CMT; Wider distr.: CA

**Saltugilia australis** (H. Mason & A.D. Grant) L.A. Johnson
{In Wiggins as *Gilia australis* (H. Mason & A.D. Grant) V.E. Grant & A.D. Grant; syn = *Gilia splendens* Dougl. ex H. Mason & A.D. Grant subsp. australis H. Mason & A.D. Grant]
{BC: Moran 24106 (SD 97132)}
*This uncommon native species occurs mostly in the foothills & mountains of BC from near Tecate and the n SJ south to the s SSPM and on various sky islands including the SASAM & SBOR in c & s BC.*
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distr.: CA
**SOUTHERN Gilia**

**Saltugilia caruifolia** (Abrams) L.A. Johnson
{In Wiggins as *Gilia caruifolia* Abrams]
Listed: CNPS 4.3.
{BC: Levin 1682 (SD 119263)}
*This uncommon native species occurs in the foothills & mountains of BC from near Tijuana and on various sky islands including the SASAM & SBOR in c & s BC.*
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distr.: CA

**Polygalaceae**

**Hebecarpa macrodendria** (A. Gray) J.R. Abbott
{syn = *Polygala macrodendria* A. Gray]
{BC: Moran 24637 (SD 98492)}
*This very rare native species occurs in our region only in the vicinity of San Matias Pass in n BC. The genera Hebecarpa and Asemeia differ from other Polygala s.l. by lacking a beak or crest on the keel.*
Ecoregions: LCD; Wider distr.: SON, AZ, NM, NV, TX
**GLAND-LEAF MILKWORT**

**Polygala alba** Nutt.  
[syn = Polygala alba var. suspecta S. Watson]  
{BC: Rehman 3677 (SD 142909)}  
*This very rare native species occurs in the SGUAD of n BCS.*  
Ecoregions: GIG; Wider distrib.: Son, n Mexico, wc, n, & sw USA (except CA), Canada

**Polygala albowiana** Chodat  
{BC: M. Domínguez L. 2554 (SD 157735)}  
*This very rare native species is only known from a couple of specimens collected at the higher elevations of the SLL of BCS. This species is somewhat similar to *P. magdalenae*, but with larger, homomorphic leaves & fruits that are hairy on the margins only.*  
Ecoregions: CPL, CPM; Wider distrib.: JAL, MIC, MOR

**Polygala apopetala** Brandegee  
{syn = Polygala apocarpa Brandegee nom. nud.}  
BC endemic.  
{BC: A. Carter 5337 (SD 68536)}  
*This uncommon BCS endemic occurs from the SSF in n BCS south to the Cape region.*  
Ecoregions: CD, GIG, CPL, CPM  
BRANDEGEE MILKWORT; RAMA MORA, GRANADILLO

**Polygala berthlandii** S. Watson  
{BC: M. Domínguez L. 2070 (SD 140632)}  
*This rare native annual occurs mostly around the lower slopes of the SLL in the Cape region.*  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America  
BERLANDIER MILKWORT

**Polygala glochidiata** Kunth  
{BC: M. Domínguez L. 2069 (SD 146823)}  
*This rare native annual occurs at higher elevations in the SLL of BCS.*  
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America  
TROPICAL MILKWORT

**Polygala magdalenae** Brandegee  
BCS endemic.  
{BC: León de la Luz 3074 (SD 126836)}  
*This uncommon BCS endemic occurs from the c SGIG near Loreto south to the Cape region.*  
Ecoregions: GIG, MAG, CPL, CPM  
MAGDALENA MILKWORT; GRANADILLO

**Polygala xanti** A. Gray  
BCS endemic.  
{BC: F. Gander 9756 (SD 29449)}  
*This rare BCS endemic occurs mostly around the lower slopes of the SLL in the Cape region.*  
Ecoregions: CPL, CPM

**Rhinotropis cornuta** (Kellogg) J.R. Abbott var. *fishiae* (Parry) J.R. Abbott  
{In Wiggins as Polygala fishiae Parry; syn = Polygala cornuta Kellogg subsp. pollardii (Munz) Munz, Polygala cornuta var. pollardii Munz, Polygala cornuta subsp. fishiae (Parry) Munz, Polygala cornuta var. fishiae (Parry) Jeps.}  
{BC: D. Clemons 2359 (SD 133319)}

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**Polygnaceae**


**Antigonon leptopus** Hook. & Arn.  
{syn = Corculum leptopus (Hook. & Arn.) Stuntz, Antigonon leptopus var. splendens Kellogg}  
{BC: D.F. Howe 4404 (SD 80779)}  
*This native species occurs in BCS from the n SGIG south to the Cape region and on various southern Gulf islands.*  
Ecoregions: GCD, GIG, MAG, CPL, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, Central & South America, introduced in TX & se USA, Old World tropics  
QUEEN’S WREATH, CORAL VINE, CONFEDERATE VINE, MEXICAN CREEPER; SAN MIGUELITO, FLOR DE SAN DIEGO, SAN MIGUEL, CORALILLO, SAN MIGUEL, BELLISIMA


**Centrostegia thurberi** A. Gray  
{syn = Chorisanthane thurberi (A. Gray) S. Watson, Centrostegia thurberi var. macrotheca (J.T. Howell) Goodman, Chorisanthane thurberi var. macrotheca J.T. Howell}  
Status in CFP: 2B.  
{BC: Moran 30890 (SD 111255)}  
*This rare native species occurs in extreme n BC on the n end of the SJ.*  
Ecoregions: CMT; Wider distrib.: sw USA  
THURBER SPINEFLOWER, RED TRIANGLES

**Chorisanthane brevicornu** Torr. var. *brevicornu*  
{BC: Moran 30793 (SD 111322)}  
*This uncommon native species occurs in deserts from ne BC south to the vicinity of Cataviña in c BC.*  
Ecoregions: LCD, CD; Wider distrib.: SON, sw USA  
BRITTLE SPINEFLOWER, SHORT-HORN SPINEFLOWER

**Chorisanthane chaetophora** Goodman  
BC endemic. Status in CFP: 1B.  
{BC: Moran 21828 (SD 91318)}  
*This rare BC endemic is sometimes lumped into *C. procumbens* and occurs in nw BC from Colonet south to San Quintín.*  
Ecoregions: CSU  
SAN QUINTÉN SPINEFLOWER

**Chorisanthane corrugata** (Torr.) Torr. & A. Gray  
{syn = Acanthogonum corrugatum Torr.}  
{BC: D. Clemons 2359 (SD 133319)}
This rare desert species occurs from near Mexicali south to San Felipe in ne BC.
Ecoregions: LCD; Wider distrib.: SON, sw USA
CORRUGATE SPINEFLOWER, WRINKLED SPINEFLOWER

Chorizanthe fimbriata Nutt. var. fimbriata
{BC: Moran 15013 (SD 69294)}
This native variety occurs most commonly in nw BC along the coast & lower foothills and ranges south into the CD as far south as the vicinity of Cataviña in c BC.
Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA
FRINGED SPINEFLOWER

Chorizanthe fimbriata Nutt. var. lacinata (Torr.) Jeps.
{BC: Moran 16415 (SD 75433)}
This native variety occurs in nw BC mostly in the upper foothills & mountains from near Tecate south to the southern end of the SSPM.
Ecoregions: CSS, CHA, CSU; Wider distrib.: CA
LACINATE SPINEFLOWER

Chorizanthe flavia Brandegee
{syn = Chorizanthe vaseyi Parry & Rose}
LC endemic.
{BC: Moran 20227 (SD 92600)}
This rare BC endemic occurs from near La Misión south to the vicinity of San Quintín.
Ecoregions: CSS, CSU
VIZCAYNO SPINEFLOWER

Chorizanthe inequalis S. Stokes
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 20777 (SD 92600)}
This rare BC endemic occurs along the coast & lower foothills in nw BC from Colonet south to El Rosario.
Ecoregions: CSS, CSU
SAN TELMO SPINEFLOWER

Chorizanthe interposita Goodman
{BC: Moran 19370 (SD 84468); BCS: Moran 19794 (SD 92303)}
This uncommon species is endemic to our region and occurs from near Colonet in nw BC south to Bahía Asuncion in nw BCS.
Ecoregions: CSU, CD, SD
BAJA CALIFORNIA SPINEFLOWER

Chorizanthe jonesiana Goodman
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 30424 (SD 11039)}
This rare BC endemic is sometimes lumped into C. procumbens and occurs in nw BC from near La Misión south to the vicinity of San Quintín.
Ecoregions: CSS, CHA
JONES SPINEFLOWER

Chorizanthe leptotheca Goodman
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 27672 (SD 103371)}
This very rare native species occurs in extreme nw BC in the vicinity of Tecate.
Ecoregions: CSS, CHA; Wider distrib.: CA
RAMONA SPINEFLOWER, PENINSULAR SPINEFLOWER

Chorizanthe mutabilis Brandegee
BC endemic.
{BC: Moran 12829 (SD 65105)}
This very rare BC endemic occurs in extreme nw BC in the vicinity of Tecate.
Ecoregions: CSS, CHA; Wider distrib.: CA
RAMONA SPINEFLOWER, PENINSULAR SPINEFLOWER

Chorizanthe pulchella Brandegee
{syn = Chorizanthe uncinata Nutt.}
{BC: Moran 20819 (SD 88200)}
This native desert species occurs from near Mexicali in ne BC south to the SBOR in s BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
PROSTATE SPINEFLOWER

Chorizanthe rosulenta Reveal
{BC: Moran 7897 (SD 60534); BCS: Moran 19821 (SD 92601)}
This species is endemic to our region and occurs from near Laguna Chapala in c BC south to the SVIZ in nw BCS.
Ecoregions: CD, SD
BEAUTIFUL SPINEFLOWER

Chorizanthe rigida (Torr.) Torr. & A. Gray
{syn = Acanthogonum rigidum Torr.}
{BC: Moran 7958 (SD 60535)}
This native desert species occurs from near Mexicali in ne BC south to the SBOR in s BC.
Ecoregions: LCD, CD; Wider distrib.: SON, SW USA
SPINY-Herb, RIGID SPINEFLOWER, DEVIL’S SPINEFLOWER, TAPACOLA

Chorizanthe rosulenta Reveal

Chorizanthe turbinata Wiggins
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 19369 (SD 84480)}
This rare BC endemic occurs from near Cataviña south to the SBOR in s BC.
Ecoregions: CSS, CHA; Wider distrib.: CA
SAN BORIA SPINEFLOWER

*Emex spinosa* (L.) Campd.
{BC: A.C. Sanders 6307 (RSA 355295)}
This rare non-native species occurs along the Pacific coast between Tijuana and Ensenada in extreme nw BC.
Ecoregions: CSS; Wider distrib.: Native to the Mediterranean region, introduced in CA, FL, TX, Eurasia, Africa
DEVIL’S THORN, SPINY EMEX


Eriogonum aberianum Torr.  
{BC: Rebman 17353 (SD 194601)}  
This very rare native species occurs in the SLIB of s BC and is only known from a few specimens.  
Ecoregions: CD; Wider distrib.: SON, n Mexico, AZ, NM, TX  
ABERT WILD BUCKWHEAT

Eriogonum angelense Moran  
BC endemic.  
{BC: Moran 12456 (SD 62580)}  
This rare BC endemic occurs on Ángel de la Guarda Island.  
Ecoregions: CD  
ANGEL DE LA GUARDA BUCKWHEAT

Eriogonum austrinum (S. Stokes) Reveal  
BC endemic.  
{BC: Moran 12444 (SD 63044)}  
This rare BC endemic occurs along the Gulf from Bahía San Luis Gonzaga south to Bahía de Los Ángeles and on Ángel de la Guarda Island.  
Ecoregions: CD  
LOS ÁngeLES BAY BUCKWHEAT

Eriogonum clavatum Small  
[syn = Eriogonum trichopes Torr. var. hooveri Reveal]  
Status in CFP: 2B.  
{BC: Moran 30808 (SD 145268)}  
This very rare native species occurs in extreme n BC at the northern end of the SJ. This species is similar to E. trichopes, but with a larger involucre and grows on clay soils. The type specimen is C.R. Orcutt s.n. collected on 8 July 1884 from the “mts. of Northern Lower California” (NY).  
Ecoregions: CMT, LCD; Wider distrib.: CA, NV  
HOOVER DESERT TRUMPET

Eriogonum davidsonii Greene  
[syn = Eriogonum virinense Doug. ex Benth. subsp. juncinellum (Grandog.) S. Stokes, Eriogonum molesteum S. Watson var. davidsonii (Greene) Jeps.]  
{BC: Moran 6112 (SD 48619)}  
This uncommon native species occurs in nw BC from the USA/Mexico border south to the southern end of the SSPM.  
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: sw USA  
DAVIDSON BUCKWHEAT

Eriogonum deflexum Torr. var. deflexum  
[syn = Eriogonum deflexum var. turbinatum (Small) Reveal, Eriogonum turbinatum Small, Eriogonum insignae S. Watson, Eriogonum deflexum var. rectum Reveal]  
{BC: Moran 11054 (SD 54729)}  
This native species occurs mostly in ne BC, but also in the northern CD region near Misión San Fernando Velicatá and in the vicinity of El Rosario.  
Ecoregions: CSU, LCD, CD; Wider distrib.: SON, sw USA  
DESERT SKELETAL WEE, FLAT-TOP SKELETAL WEE

Eriogonum deserticola S. Watson  
{BC: Felger 06-19 (SD 191691)}  
This very rare native species grows on sand dunes and occurs at the southern end of the Algodones Dunes just east of Mexicali in ne BC.  
Ecoregions: LCD; Wider distrib.: SON, AZ, CA  
IMPERIAL BUCKWHEAT, COLORADO DESERT BUCKWHEAT

Eriogonum elongatum Benth. var. areorivum Reveal  
LC endemic.  
{BC: Rebman 25182 (SD 223616); BCS: H.S. Gentry 7702 (SD 42901)}  
This uncommon variety is endemic to our region and occurs from the southern end of the SSPM in BC south to the SCLAR and the SVIZ in nw BCS.  
Ecoregions: CD, VD  
VIZCAINO TALL BUCKWHEAT

Eriogonum elongatum Benth. var. elongatum  
{BC: Moran 13550 (SD 63555)}  
This common variety occurs in nw BC from the USA/Mexico border south to the southern end of the SSPM and in the vicinity of El Rosario.  
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: CA  
TALL BUCKWHEAT, LONG-STEM BUCKWHEAT

Eriogonum elongatum Benth. var. vollmeri (Wiggins) Reveal  
{syn = Eriogonum vollmeri Wiggins}  
BC endemic.  
{BC: Moran 24807 (SD 98203)}  
This rare BC endemic variety with yellow flowers occurs mostly in the San Matias Pass area at the southern end of the SJ & the northern end of the SSPM, but also in Tajo Canyon on the lower eastern side of the SJ.  
Ecoregions: CHA, LCD  
VOLLMER TALL BUCKWHEAT

Eriogonum encelioides Reveal & Hanson  
BCS endemic.  
{BCS: Moran 19967 (SD 87352)}  
This very rare BCS endemic occurs in the SVIZ (Sierra El Placer) in extreme nw BCS.  
Ecoregions: VD  
EL PLACER BUCKWHEAT

Eriogonum evanidum Reveal  
Status in CFP: 1B; Listed: CNPS 1B.1.  
{BC: Moran 22735 (SD 97900)}  
This very rare native species occurs at higher elevations in the SJ & SSPM. This species is often confused with E. foliosum and E. hastatum in our region.  
Ecoregions: CHA, CMT; Wider distrib.: CA  
EVANID DESERT TRUMPET

Eriogonum fasciculatum Benth. var. emphereium Reveal  
BCS endemic.  
{BCS: Moran 19819 (SD 87354)}  
This rare BCS endemic variety occurs on the VPEN in nw BCS in the SVIZ & SCLAR.
Ecoregions: VD
SANTA CLARA BUCKWHEAT

**Eriogonum fasciculatum** Benth. var. **fasciculatum**
{BC: Moran 20289 (SD 87355)}
This rare native variety occurs along the immediate Pacific coast in extreme nw BC between Tijuana and El Rosario and on various Pacific islands including Los Coronados, Todos Santos, & Cedros.
Ecoregions: CSS, CSU; PI; Wider distr.: CA
COASTAL CALIFORNIA BUCKWHEAT, FLAT-TOP BUCKWHEAT; MADERISTA, ALFORFÓN

**Eriogonum fasciculatum** Benth. var. **flavoviride** Munz & I.M. Johnst.
{syn = Eriogonum fasciculatum subsp. flavoviride (Munz & I.M. Johnst.) S. Stokes}
{BC: Moran 15539 (SD 68679)}
This uncommon native variety occurs at higher elevations and along the lower eastern slopes in the SJ & SSPM.
Ecoregions: CSS, CHA, LCD, CD, GD; Wider distr.: SON, CA
SONORAN DESERT CALIFORNIA BUCKWHEAT; MADERISTA, ALFORFÓN

**Eriogonum fasciculatum** Benth. var. **foliolosum** (Nutt.) Abrams
{syn = Eriogonum fasciculatum subsp. foliolosum (Nutt.) S. Stokes}
{BC: Moran 14428 (SD 79567)}
This uncommon native variety occurs at higher elevations and along the lower eastern slopes in the SJ & SSPM of n BC.
Ecoregions: CSS, CHA, LCD, CD, GD; Wider distr.: SON, CA
SONORAN DESERT CALIFORNIA BUCKWHEAT, LEAFY CALIFORNIA BUCKWHEAT; MADERISTA, ALFORFÓN

**Eriogonum fasciculatum × E. molle**
BC endemic.
{BC: Moran 18417 (SD 79445)}
This uncommon native variety occurs at higher elevations and along the lower eastern slopes in the SJ & SSPM.
Ecoregions: CHA, CMT; Wider distr.: CA
SMOOTH SLENDER BUCKWHEAT

**Eriogonum hastatum** Wiggins
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 14375 (SD 77236)}
This rare BC endemic occurs along the Gulf coast between San Felipe and Bahía San Luis Gonzaga.
Ecoregions: CSS, CHA, CMT; Wider distr.: CA
PUNTA BANDA BUCKWHEAT

**Eriogonum inflatum** Torr. & Frém.
{In Wiggins as Eriogonum inflatum var. deflatum I.M. Johnst.; syn = Eriogonum lagunense M.E. Jones}
{BC: C.F. Harbison s.n. 1 June 1952 (SD 44787); BCS: Webster 19620 (SD 109089)}
This common native species occurs from ne BC south to the vicinity of Loreto in BCS and on various adjacent Gulf islands. Most of the individuals in our region do not have the inflated stem that is more common in the northern part of its range.
Eriogonum intricatum Benth.
{BC: Moran 10689 (SD 53978); BCS: Moran 19894 (SD 87371)}
This species is endemic to our region and occurs in the extreme w VPEN of nw BCS and on Cedros Island.
Ecoregions: PI (Cedros), VD
TWIGGY BUCKWHEAT

Eriogonum maculatum A. Heller
[syn = Eriogonum angulosum Benth. var. maculatum (A. Heller) Jeps., Eriogonum cernuum Nutt. subsp. acutangulum (Gandog.) S. Stokes, Eriogonum angulosum Benth. subsp. maculatum (A. Heller) S. Stokes]
Status in CFP: 4.
{BC: Moran 9802 (SD 52639)}
This rare native annual occurs in n & c BC in the extreme n SJ & south of Cataviña.
Ecoregions: CMT, CD; Wider distrib.: w USA
SPOTTED BUCKWHEAT

Eriogonum molle Greene
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 3510 (SD 50220)}
This rare BC endemic occurs on the northern end of Cedros Island.
Ecoregions: PI (Cedros)
CEDROS SOFT BUCKWHEAT

Eriogonum moranii Reveal
BC endemic.
{BC: Moran 13121 (SD 63027)}
This rare BC endemic occurs along the eastern side of the peninsula from near Puertecitos south to the SBOR in s BC.
Ecoregions: LCD, CD
MORAN BUCKWHEAT

Eriogonum nudum Benth. var. pauciflorum S. Watson
[syn = Eriogonum nudum subsp. pauciflorum (S. Watson) Munz, Eriogonum latifolium Sm. subsp. pauciflorum (S. Watson) S. Stokes]
Status in CFP: 4.
{BC: Moran 23656 (SD 94627)}
This uncommon native species occurs in n BC mostly on the upper slopes of the SJ & SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA
PINE BUCKWHEAT, NAKED BUCKWHEAT, LITTLE-FLOWER BUCKWHEAT

Eriogonum intricatum Benth.
{BC: Moran 24831 (SD 98173); BCS: M. Domínguez L. 3941 (SD 190358)}
This native species is endemic to our region and occurs from the vicinity of San Matías Pass in n BC along the lower eastern side of the SSPM to the SLIB and in the vicinity of the BC/BCS state border where it is most common. It also occurs disjunctly to the s SGIG.
Ecoregions: LCD, CD, GIG
PILOSE BUCKWHEAT

Eriogonum pondii Greene var. gentryi Reveal & C.A. Hanson
{BC: Moran 10599 (SD 54009)}
This very rare BC endemic occurs on ultramafic substrates in the VPEN of extreme nw BCS near the fishing village of Puerto Nuevo southeast of Bahía Tortugas.
Ecoregions: PI (Natividad), VD
GENTRY BUCKWHEAT

Eriogonum preclarum S. Watson
{BC: Moran 18306 (SD 77246); BCS: Moran 18756 (SD 80311)}
This rare BC endemic species occurs in nw BCS in the vicinity of Laguna San Ignacio from near Punta Abreojos & the town of San Ignacio south to San Juanico.
Ecoregions: LCD; Wider distrib.: sw USA
KIDNEY-LEAF BUCKWHEAT

Eriogonum repens (S. Stokes) Reveal
[syn = Eriogonum trichopes Torr. & Frém.]
BC endemic.
{BC: Moran 20151 (SD 87336)}
This very rare BC endemic occurs on ultramafic substrates in the VPEN of extreme nw BCS near the fishing village of Puerto Nuevo southeast of Bahía Tortugas.
Ecoregions: PI (Cedros), VD
PACIFIC NW BUCKWHEAT

Eriogonum roseum S. Stokes
{BC: Moran 20151 (SD 87336)}
This very rare native is only known from one historical specimen collected at Yubay ("Ubi") by Brandegee on 8 May 1889.
Ecoregions: CD; Wider distrib.: CA, OR
VIRGATE BUCKWHEAT, WAND BUCKWHEAT
**Eriogonum scalar**e S. Watson
[syn = Eriogonum irretitum Brandegee]
{BC: Moran 19368 (SD 84452)}
This BC endemic occurs mostly along the Pacific coast from San Quintin in nw BC south to near Miller’s Landing in extreme sw BC.
Ecoregions: CSU, CD, VD

**WHORLED BUCKWHEAT**

**Eriogonum thomasi**i Torr.
{BC: Moran 12423 (SD 65104)}
This native annual species occurs in low deserts from near Mexicali in ne BC south to Bahia de Los Angeles in se BC and on Angel de la Guarda Island in the Gulf.
Ecoregions: LCD, CD; Wider distrib.: BCS.

**BENTHAM BUCKWHEAT**

**Eriogonum thurberi** Torr.
{BC: Moran 16420 (SD 75302); BCS: Steve Boyd 8067 (RSA 576795)}
This uncommon native species occurs throughout BC from Tecate south to the SLIB and rarely on the VPEN in extreme nw BCS.
Ecoregions: CSS, CHA, CMT, CSU, CD, VD; Wider distrib.: SON, AZ, CA, NM

**THURBER BUCKWHEAT**

**Eriogonum trichopes** Torr.
{BC: Moran 20648 (SD 88870)}
This rare native species occurs in BC from the lower eastern side of the SJ south to the vicinity of Bahia de Los Angeles.
Ecoregions: LCD, CD; Wider distrib.: SON, CHH, sw USA

**LITTLE DESERT TRUMPET**

**Eriogonum wrighti**i Benth. var. *brevifolium* Reveal
{LC endemic.
{BC: Moran 21367 (SD 88089)}
This uncommon native species is endemic to our region and occurs from the SBOR in s BC south to the V3V in n BCS.
Ecoregions: CSS, CHA, CMT, CSU, CD, VD; Wider distrib.: SON, AZ, CA, NM

**SAN BORIA BUCKWHEAT**

**Eriogonum wrighti**i Benth. var. *dentatum* (S. Stokes) Reveal
[syn = Eriogonum trachygonum Benth. subsp. dentatum S. Stokes]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 19279 (SD 83342)}
This rare BC endemic variety occurs along the Pacific coast between La Misión and Ensenada in nw BC.
Ecoregions: CSS

**LA MISION BUCKWHEAT**

**Eriogonum wrighti**i Benth. var. *linearifolium* Reveal
Reference: see E. w. var. *brevifolium*: Reveal 2014.
{BC: Moran 10424 (SD 54191)}
This rare BC endemic variety occurs on Angel de la Guarda Island in the Gulf.
Ecoregions: CD (Angel de la Guarda Island)

**LINEAR-LEAF ISLAND BUCKWHEAT**

**Eriogonum wrighti**i Benth. var. *membranaceum* Jeps.
{BC: Moran 14401 (SD 79569)}
This native variety occurs in the upper foothills and mountains of the SJ & SSPM in n BC and disjunctly to the SASAM in c BC.

**FOOTHILL BUCKWHEAT, RING-STEM BUCKWHEAT**

**Eriogonum wrighti**i Benth. var. *nodosum* (Small) Reveal
[syn = Eriogonum wrightii subsp. nodosum (Small) Munz, Eriogonum nodosum Small]
{BC: Harbison s.n. 12 Mar 1965 (SD 62488); BCS: Moran 11647 (SD 54578)}
This rare native variety occurs in more arid portions, including the lower eastern slopes of the SJ & SSPM in n BC south to the SBOR in s BC and on Cerro Azufre in n BCS.
Ecoregions: CHA, CMT, LCD, CD; Wider distrib.: SON, AZ, CA

**KNOT-STEM BUCKWHEAT, BASTARD-SAGE**

**Eriogonum wrighti**i Benth. var. *oreshium* Reveal
{BC: Moran 13647 (SD 63467)}
This uncommon BC endemic variety occurs at higher elevations in the SJ & SSPM in n BC.

**EGYPTIAN BUCKWHEAT**

**Eriogonum zapatae**nse Moran
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 18170 (SD 75678)}
This very rare BC endemic is only known to occur on Zapato Islet off of the southern end of Guadalupe Island in the Pacific.
Ecoregions: PI (Guadalupe)

**ZAPATO BUCKWHEAT**

*Fallopia convolvulus* (L.) A. Löve
[syn = Polygonum convolvulus L.]
{BCS: R. Domínguez C. 3975 (HCIB 27956)}
This very rare non-native annual vine has only been collected once in our region in the vicinity of Todos Santos in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: Native to Europe, Asia, n Africa, introduced in USA, South America, s Africa, Australia

**BLACK BINDWEED; POLYGONO TREPADOR**


**Harfordia macroptera** (Benth.) Greene & Parry var. *fruticosa* (Greene) Reveal
[syn = Pteroegia fruticosa Greene, Harfordia fruticosa (Greene) Greene & Parry]
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 25418 (SD 99634)}
This rare BC endemic variety occurs on Cedros Island in the Pacific Ocean.
Ecoregions: PI (Cedros)

**CEDROS RABBITS PURSE; BOLSA DE CONEJO**

**Harfordia macroptera** (Benth.) Greene & Parry var. *galioides* (Greene) Reveal
[In Wiggins as Harfordia macroptera (no varieties); syn = Pteroegia galioides Greene]
{BC: Henrickson 4455 (SD 80911); BCS: Moran 19948 (SD 92816)}
This uncommon variety is endemic to our region and occurs from
San Vicente in nw BC south to the n VPEN in nw BCS.
Ecoregions: CSS, CSU, CD, VD
RABBIT’S PURSE; BOSLA DE CONEJO, JUEVOS DE GATO

Harfordia macroptera var. macroptera
[syn = Pterostegia macroptera Benth.]
BCS endemic.
{BC: C. Davidson 2044 (RSA 392952)}
This rare BCS endemic variety occurs on Magdalena & Santa Mar-
garita islands.
Ecoregions: MAG (Magdalena, Santa Margarita)
MAGDALENA RABBIT’S PURSE; BOSLA DE CONEJO

Lastarriaea coriacea (Goodman) Hoover
[In Wiggins as Lastarriaea chilensis Remy misappl.: syn = Chori-
zanthe lastarriaea Parry, Chorizanthe coriacea Goodman]
{BC: Moran 20272 (SD 92961)}
This uncommon native species occurs from near Tecate in nw BC
south to the SBOR in s BC.
Ecoregions: CSS, CHA, CSU, CD, VD; Wider distrib.: CA
LEATHER SPINEFLOWER, COMMON LASTARRIAEA

Genus ref. see Centrostegia: Revelle 1989

Lastarriaea pilota Revelle
LC endemic. Status in CFP: 1B, 7.
{BC: Wilder 10-238 (SD 218194); BCS: D.E. Breedlove 62343
(RSA 480340)}
This rare species is endemic to our region and occurs from the vi-
cinity of El Rosario in n BC south to the SBOR in s BC.
Ecoregions: CSS, CHA, CSU, CD, VD; Wider distrib.: CA
LEATHER SPINEFLOWER, COMMON LASTARRIAEA

Nemacaulis denudata Nutt. var. denudata
[In Wiggins as Nemacaulis denudata (no varieties)]
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 21833 (SD 91186)}
This rare variety occurs on coastal dunes along the Pacific Ocean
from near Rosarito in nw BC south to just north of Guerrero Negro
in extreme sw BC.
Ecoregions: CSS, CSU, CD, VD; Wider distrib.: CA
COAST WOOLLY-HEADS

Nemacaulis denudata Nutt. var. gracilis Goodman & L.D Benson
Status in CFP: 2B; Listed: CNPS 2.2.
{BC: Moran 19296 (SD 84449); BCS: D.E. Breedlove 71761 (MO
5818108)}
This rare variety occurs on coastal dunes along the Pacific Ocean
& in sandy inland habitats from near Rosarito in nw BC south to the
w VPEN in nw BCS and on the adjacent San Martin Island. It also
occurs rarely in desert areas in the San Felipe Desert of ne BC and
the CD region of s BC.
Ecoregions: CSS, CHA, CSU, PI (San Martín), LCD, CD, VD;
Wider distrib.: SON, AZ, CA
SLENDER WOOLLY-HEADS

Persicaria amphibia (L.) A. Gray
[In Wiggins as Polygonum coccineum Muhl. ex Willd., Polygonum
amphibium L. var. stipulaceum N. Coleman; syn = Polygonum am-
phibium L. var. emersum Michx.]
Status in CFP: 2B.
{BC: Moran 29191 (SD 107700)}
This rare native species occurs in wet areas at higher elevations in
the SJ & SSPM of n BC.
Ecoregions: CMT; Wider distrib.: Widespread & native in USA &
Canada, Eurasia, introduced South America & Africa
WATER SMARTWEED, KELP SMARTWEED

Persicaria hispida (Kunth) M. Gómez
[syn = Polygonum hispidum Kunth]
{BC: Orcutt 898 (MO 1960633)}
This very rare species is questionably native to our region and has
only been collected once in the SJ of n BC at “Hanson’s Ranch” by
Orcutt on 30 July 1883.
Ecoregions: CMT; Wider distrib.: Widespread in Mexico, TX, Cen-
tral & South America
BRISTLY SMARTWEED

Persicaria hydropiperoides (Michx.) Small
[In Wiggins as Polygonum hydropiperoides Michx. var. asperifoli-
um Stanf.; syn = Polygonum hydropiperoides Michx. var. persicar-
ioides (Kunth) Stanf.]
{BC: Rebman 17239 (SD 194603); BCS: A.W. Anthony 340 (POM
144855)}
This uncommon native species occurs in the SLIB of s BC and in the
Cape region of BCS.
Ecoregions: CD, CPL, CPM; Wider distrib.: SON, SIN, widespread
in Mexico, USA & Canada, Central & South America
WATERPEPPER, SWAMP SMARTWEED; ZAPAPARILLA

Persicaria lapathifolia (L.) A. Gray
[In Wiggins as Polygonum lapathifoliolum L.]
{BC: Moran 27981 (SD 104053)}
This uncommon native species occurs in nw BC from Tijuana south
to near San Quintín.
Ecoregions: CSS, CSU, Wider distrib.: SON, scattered in Mexico,
widespread in USA & Canada, South America, Europe, Asia, Africa
WILLOW WEED, WILLOW SMARTWEED; ZAPAPARILLA

*Persicaria maculosa A. Gray
[In Wiggins as Polygonum fusiforme Greene; syn = Polygonum persicaria L.]
{BC: R. Domínguez C. 130 (SD 126888)}
This uncommon non-native occurs in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: Native to Eurasia, intro-
duced in North America, SON, scattered in Mexico, widespread
USA & Canada
SPOTTED LADY’S THUMB, SPOTTED SMARTWEED

Persicaria punctata (Elliott) Small
[In Wiggins as Polygonum punctatum Elliott]
{BC: Moran 21112 (SD 84515); BCS: Thomas 7694 (SD 94544)}
This uncommon native species occurs in nw BC between Tijuana
and El Rosario and in the Cape region of BCS.
Ecoregions: CSS, CHA, CSU, CPL, CPM; Wider distrib.: SON,
widespread in Mexico, introduced in USA & Canada, West Indies,
Central & South America
PERENNIAL SMARTWEED, DOTTED SMARTWEED; CHILILLO

*Polygonum argyrocoleon Kunze
{BC: Moran 18549 (SD 80227); BCS: León de la Luz 3881 (SD
139886)}
This uncommon non-native species occurs in nw BC along the Pacific coast from Tijuana south to San Quintín, on Cedros Island, and in the Cape region of BCS near La Paz and San Juan de Los Planes. Ecoregions: CSS, CHA, PI, Cedros, GCD, CPL; Wider distrib.: Native to sw Asia, introduced in SON, SIN, s & w USA

Persian knotweed; silver-sheath knotweed; alambrillo

*Polygonum aviculare* L. subsp. *depressum* (Meisner) Arcangelí [In Wiggins as Polygonum arenastrum Boreau]  
{BC: R.F. Thorne 57014 (RSA 334425)}
This uncommon non-native prefers disturbed habitats and occurs in nw BC from the coast to the mountains. It is especially common in urban habitats. Ecoregions: CSS, CHA, CMT, CSU, LCD; Wider distrib.: Probably native to Eurasia, introduced worldwide in temperate regions, widespread in USA & Canada

Commun knotweed, doorweed; flor de pasto, sanguinaria

*Polygonum aviculare* L. subsp. *neglectum* (Besser) Arcangelí [In Wiggins as Polygonum aviculare L. (no varieties); syn = Polygonum montereyense Brenckle]  
{BC: Moran 14348 (SD 79564)}
This rare native occurs in the SSPM of n BC. Ecoregions: CMT; Wider distrib.: Probably native to Eurasia, introduced in SON, introduced worldwide in temperate regions, widespread in USA & Canada

Prostrate knotweed; nudosa, alambrillo, sanguinaria

*Polygonum ramosissimum* Michx. subsp. *ramosissimum*  
{BC: R.F. Thorne 61029 (RSA 345668)}
This rare native is only known from one historical specimen collected in the vicinity of San Quintín, but this specimen needs to be verified that it is not the non-native *P. argyrocoleon*. Ecoregions: CSU; Wider distrib.: Widespread in USA & Canada

Bushy knotweed

*Polygonum sawatchense* Small subsp. *sawatchense*  
[syn = Polygonum douglasii Greene subsp. johnstonii Munz, Polygonum utahense Coolidge, Polygonum utahense Brenckle & Cottam]  
Status in CFP: 2B.  
{BC: Moran 21127 (SD 84536)}
This very rare native species occurs at higher elevations of the SSPM of n BC in our region. Ecoregions: CMT; Wider distrib.: w USA, w Canada

Sawatch knotweed


*Pterostegia drymarioideis* Fischer & C.A. Mey.  
{BC: Moran 26568 (SD 101551); BCS: Rebman 4486 (SD 141576)}
This common native species occurs mostly in nw BC but also ranges south into the mountains of the CD as far south as the SSF in n BCS. It also occurs on Los Coronados, Todos Santos, San Martín, Guadalupe, & Cedros islands in the Pacific Ocean. Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: sw USA

Granny’s Hairnet, woodland threadstem

*Rumex acetosella* L.  
{BCS: M. Domínguez L. 2059 (HCIB 9301)}
This rare non-native occurs at higher elevations in the SLL of BCS. Ecoregions: CPM; Wider distrib.: Native to Eurasia, introduced worldwide, scattered in Mexico, widespread USA & Canada

Sheep-sorrel; acedorilla

*Rumex californicus* Rech. f.  
[syn = Rumex salicifolius Weim. var. denticulatus Torr.]  
{BC: Moran 15023 (SD 69277)}
This uncommon native species occurs in nw BC in the SJ & SSPM and in the foothills between Tecate and El Rosario. Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: AZ, CA, NV, OR

California dock

*Rumex conglomeratus* Murray  
{BC: Moran 22553 (SD 91695)}
This rare non-native occurs in nw BC in disturbed wet areas along the Pacific coast and in agricultural areas near Ciudad Constitución in BCS. Ecoregions: CSS, CSU, MAG; Wider distrib.: Native to Europe, introduced in SON, rare in Mexico, w & e USA & Canada, sw Asia, n Africa

Whorled dock; lengua de vaca, cimarroncilla

*Rumex crispus* L.  
{BC: Rebman 27063 (SD 234564); BCS: León de la Luz 1367 (SD 235686)}
This rare non-native has been documented from urban areas of Tijuana south to San Quintín and in the SSPM. Ecoregions: CSS, CMT, CSU; Wider distrib.: Native to Eurasia, introduced in SON, SIN, scattered in Mexico, widespread in USA & Canada, a worldwide weed

Curly dock; lengua de vaca

*Rumex dentatus* L.  
{BC: Rebman 235686 (SD 90635); BCS: León de la Luz 1367 (SD 235686)}
This rare native species occurs in wet, disturbed areas of nw BC from Tijuana south to San Quintín and in the SSPM. Ecoregions: CSS, CMT, CSU, LCD; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, widespread in USA & Canada

Toothed dock

*Rumex fueginus* Phil.  
[syn = Rumex maritimus L. misappl., Rumex maritimus var. fueginus (Phil.) Düsén]  
{BC: Moran 29662 (SD 108649); BCS: León de la Luz 6905 (SD 148762)}
This rare native species occurs in wetlands mostly in nw BC on the western slopes of the SJ, but also in the vicinity of La Paz in BCS. Ecoregions: CSS, CHA, CMT, GCD; Wider distrib.: SON, scattered in Mexico, widespread in USA & Canada

Golden dock

*Rumex hymenosepalus* Torr.  
[syn = Rumex hymenosepalus var. salinus (A. Nelson) Rech. f., Rumex hymenosepalus var. euhymenosepalus Rech.f.]  
Status in CFP: 2B.  
{BC: Moran 22949 (SD 95504)}
This uncommon native species occurs in nw BC in the southwestern lower foothills of the SJ & in the SSPM, rarely in the CD region, and in extreme sw BC near Miller’s Landing. Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, KD; Wider distrib.: SON, CHI, sw USA

Desert rhubarb, sand dock, wild-rhubarb; hierba colorada, canaigre
Rumex inconspicuus Rech.f.
{BC: Felger 06-6 (SD 191693); BCS: Rebman 9721 (SD 153078)}
This rare native occurs mostly in BC from the SGIG down to near Bahía de Magdalena, but it also occurs rarely along the Colorado River near Mexicali in ne BC.
Ecoregions: LCD, GIG, MAG; Wider distrib.: SON
BAJA CALIFORNIA PURSLANE

*Rumex obtusifolius L.*
{syn = Rumex obtusifolius subsp. sylvestris (Wallr.) Koch Rech. f., Rumex obtusifolius var. sylvestris (Wallr.) Koch, Rumex obtusifolius subsp. agrestis (Fries) Danzer}
{BC: Wiggins 454 (SD 94537); BCS: León de la Luz 613 (SD 225161)}
This rare non-native occurs in ecological areas of ne BC near Mexicali and also along cultivated fields in BC near Ciudad Constitución.
Ecoregions: CSS; CHA, CMT; Wider distrib.: CA
BAJA CALIFORNIA PURSLANE

*Rumex palustris Sm.
{BC: Moran 27849 (SD 103288)}
This very rare non-native has only been documented once in our region near San Vicente in nw BC.
Ecoregions: CSS; Wider distrib.: Native to Europe, introduced in CA, NJ
SHRUBBY PURSLANE

Rumex persicarioideus L.
{syn = R. maritimus L. misappl.}
Status in CFP: 3.
{BC: Moran 28853 (SD 105728)}
This very rare native species has only been documented once along the coast near Ensenada in BC.
Ecoregions: CSS; Wider distrib.: Native to coastal shores & marshes along the e & w coasts of USA & Canada, South America, Eurasia
YELLOW DOCK

*Rumex pulcher L.*
{syn = Rumex pulcher subsp. divaricatus (L.) Murb.}
{BC: Moran 30567 (SD 110835); BCS: Steve Boyd 5859 (RSA 576511)}
This uncommon non-native species occurs mostly in wet areas of nw BC from Tijuana south to San Quintin, but it also occurs rarely in the SGIG & Mag of BC and in the western Cape region.
Ecoregions: CSS, CSU, GIG, MAG, CPL; Wider distrib.: Native to Mediterranean region, introduced in w & se USA
FIDDLE DOCK; LENGUA DE VACA, CIMARRONA

Rumex salicifolius L.
Status in CFP: 3.
{BC: Rebman 5514 (SD 145562)}
This rare native species occurs on the upper foothills and mountains of the SSPM in BC.
Ecoregions: CHA, CMT; Wider distrib.: AZ, CA, NV
WILLOW DOCK

Sidotheca trilobata (A. Gray) Reveal
{In Wiggins as Oxytheca trilobata A. Gray}
{BC: Moran 15005 (SD 692999)}
This uncommon native species occurs in the foothills and mountains of the SJ & SSPM in BC and in the SASAM of BC.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: CA
THREE-LOBED STARRY PURSLANE

Portulacaceae

Portulaca californica Legrand
BCS endemic.
{BC: Moran 9435 (SD 66648)}
This uncommon BCS endemic occurs in sandy substrates along the Pacific coast of BC from Laguna San Ignacio south to the Cape region. It also occurs on a few southern Gulf islands including Ildfonso, San José & Las Animas.
Ecoregions: VD, GCD, MAG, CPL
BAJA CALIFORNIA PURSLANE

Portulaca halimoides L.
{In Wiggins as Portulaca parvula A. Gray}
Listed: CNPS 4.2.
{BC: Moran 18494 (SD 84724); BCS: Rebman 18551 (SD 202700)}
This uncommon native species is scattered down the peninsula from the western slopes of the SJ in nw BC to various sky islands of the peninsula including the SLIB & SSF, to the Cape region of BC.
Ecoregions: CHA, LCD, GIG, MAG; Wider distrib.: SON, scattered in Mexico, sw & s USA, Central & South America
DWARF PURSLANE, SILK-COTTON PURSLANE, DESERT PORTULACA; VERDOLAGA

*Portulaca oleracea L.*
{In Wiggins as Portulaca retusa Engelm.; syn = Portulaca oleracea subsp. impolita Danin & H.G. Baker}
{BC: Moran 14328 (SD 79752); BCS: Moran 15143 (SD 67838)}
This common non-native prefers disturbed areas and occurs throughout most of the peninsula and on Natividad Island in the Pacific.
Ecoregions: CSS, CHA, CMT, CSU, PI (Natividad), CD, GD, GC, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, USA, & Canada, a worldwide weed
COMMON PURSLANE; VERDOLAGA

*Portulaca grandiflora Hook.
{syn = Portulaca pilosa L. var. grandiflora (Hook.) Kuntze]
{BC: Moran 24969 (SD 98124)}
This very rare non-native has been documented from urban areas of Tijuana in extreme nw BC.
Ecoregions: CSS; Wider distrib.: Native to South America, introduced & scattered in USA & Canada
MOSS-ROSE, MOSS-ROSE PURSLANE; VERDOLAGA

Portulaca suffrutescens Engelm.
{BC: Moran 18636 (SD 79929); BCS: Rebman 4400 (SD 141575)}
This rare native species occurs mostly on sky islands throughout much of the peninsula including the s SJ, SLIB, SSF, SGUA, SGIG, & in the northeastern Cape region in the vicinity of la Paz.
Ecoregions: CHA, CD, GC, GIG, CPL; Wider distrib.: SON, widespread in n Mexico, AZ, NM, TX
SHRUBBY PURSLANE

Portulaca umbraticola Kunth subsp. lanceolata (Engelm.) J.F. Matthews & Ketron
{In Wiggins as Portulaca lanceolata Engelm.}
{BC: Rebman 25224 (SD 223618); BCS: Rebman 9724 (SD 153887)}
This uncommon native species occurs on sky islands of the peninsula from the SLIB in s BC south to the SSF, SGUAD, SGIG, & SLL of BCS.

Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, sw (except CA) & se USA, West Indies
Wing Purshslane, Wing-Pod Purshslane

**Primulaceae**

*Androsace elongata* L. subsp. *acuta* (Greene) G.T. Robbins
[syn = Androsace acuta Greene]
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 30598 (SD 110736)}
This very rare native taxon occurs in the n SJ of extreme n BC.
Ecoregions: CMT; Wider distrib.: CA, NV, OR
Rock-Jasmine, Fairy-Candelabra


*Primula clevelandii* (Greene) A.R. Mast & Reveal subsp. *clevelandii* [In Wiggins as Dodecatheon clevelandii Greene subsp. clevelandii]
{BC: Moran 19347 (SD 84360)}
This uncommon native subspecies occurs at lower elevations in nw BC from Tijuana south to El Rosario.
Ecoregions: CSS, CSU; Wider distrib.: CA
Padre’s Shooting Star

*Primula clevelandii* (Greene) A.R. Mast & Reveal subsp. *insularis* (H.J. Thompson) A.R. Mast & Reveal [In Wiggins as Dodecatheon clevelandii Greene subsp. insulare H.J. Thompson; syn = Dodecatheon meadia L. of Guadalupe Island references]
Status in CFP: 2A.
{BC: Moran 21166 (SD 86956)}
This very rare native subspecies occurs only on Guadalupe Island in our region.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (Channel Islands)
Island Shooting Star

*Ranunculaceae*

*Anemone tuberosa* Rydb.
Status in CFP: 2B.
{BC: Moran 12782 (SD 65009); BCS: Moran 20436 (SD 87126)}
This native species occurs in the n & s SJ, the s SSPM in n BC and into the CD region south to the SLIB in s BC. It also occurs on a limestone outcrop near San Vicente and on V3V in n BCS.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: SON, sw USA Desert Anemone, Desert Windflower

*Aquilgia formosa* DC.
[In Wiggins as Aquilgia formosa var. hypolasia (Greene) Munz]
Status in CFP: 2B.
{BC: Brey 161 (SD 119868)}
This native species occurs in the upper foothills and mountains of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: w USA, w Canada California Columbine

*Clematis drummondii* Torr. & A. Gray
[In Wiggins as Clematis drummondii var. californica S. Watson (unresolved name)]
{BCs: Stephenson 381 (SD 94281)}

This rare native species occurs in the SSF of n BCS, near Bahía de Magdalena, and more commonly in the Cape region of s BCS. The named variety californica S. Watson is unresolved and may be endemic to BCS if recognized.
Ecoregions: CD, MAG, CPL, CPM; Wider distrib.: SON, SIN (both no var.)
Drummond Virgin’s Bower; Chilillo, Barba de Chivo

*Clematis lasiantha* Nutt.
{BC: Moran 18141 (SD 76513)}
This uncommon native species occurs in nw BC in the SJ & SSPM and in the foothills between Tecate and El Rosario.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: SON & nw Mexico, w USA, w Canada Western Virgin’s Bower; Herra de Chiva

*Clematis ligusticifolia* Nutt.
[In Wiggins as Clematis ligusticifolia Nutt. var. californica S. Watson]
{BC: Moran 11764 (SD 59511)}
This very rare native species has only been documented once in our region in the SSF of BCS. However, it is expected to occur in the foothills & mountains of extreme nw BC.
Ecoregions: CD; Wider distrib.: CA
Pipestem Virgin’s Bower; Barbas de Chivo

*Clematis pauciflora* Nutt.
{BC: Moran 29682 (SD 108644); BCS: Arce 4 (SD 143238)}
This common native species occurs most commonly in nw BC, but also ranges into the CD region on the sky islands of the SASAM, SBOR, SLIB of s BC and in the SSPF & V3V of n BCS. It is also known from Cedros, Los Coronados, & Todos Santos islands in the Pacific.
Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: CA Ropevine Clematis, Southern California Virgin’s Bower; Barba de Chivo, Barba de Viejo

*Consolida ajacis* (L.) Schur
[syn = Delphinium ajacis L.]
{BCs: M. Domínguez L. 3494 (HCIB 18822)}
This rare non-native annual has only been documented once in our region in the SGIG of BCS.
Ecoregions: GIG; Wider distrib.: Native to Europe; naturalized in SON and throughout much of USA, Canada, Asia, Australia Doubtful Knight’s-Spur, Rocket Larkspur

*Delphinium cardinale* Hook.
[syn = Delphinium cardinale var. angustifolium Huth]
{BC: Rehm 17153 (SD 194604); BCS: Moran 19937 (SD 92853)}
This native species is most common in nw BC from Tecate south to El Rosario, but it also occurs disjunctly to the SLIB of s BC and in the SVIZ of extreme nw BCS.
Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: CA Cardinal Larkspur, Scarlet Larkspur

*Delphinium parishii* A. Gray subsp. *subglobosum* (Wiggins) H. Lewis & Epling
Status in CFP: 4; Listed: CNPS 4.3.
{BC: Moran 20694 (SD 88784)}
This native subspecies occurs mostly on the upper & desert slopes of the SJ & SSPM in n BC and into the mountains of the CD region as far south as the SASAM in c BC.
Ecoregions: CHA, CMT, CD; Wider distrib.: CA Oceanblue Larkspur, Colorado Desert Larkspur
Delphinium parryi A. Gray subsp. maritimum (Davidson) M.J. Warnock
Status in CFP: 2A.
{BC: Moran 23124 (SD 95631)}
This very rare subspecies occurs in the Pacific Ocean on Los Coronados & Todos Santos islands, and at the immediate coast near Ensenada & San Quintín.
Ecoregions: CHA, CSU, PI (Coronados, Todos Santos); Wider distri.: CA
MARITIME LARKSPUR, SEASIDE LARKSPUR

Delphinium parryi A. Gray subsp. parryi
[In Wiggins as Delphinium parryi (no variety)]
{BC: Moran 28501 (SD 105920)}
This uncommon native subspecies occurs mostly in nw BC from Tecate south to near El Rosario and also at a few places in the CD region as far south as the SLIB in s BC.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distri.: CA
PARRY LARKSPUR

Delphinium patens Benth. subsp. hepaticoideum Ewan
Status in CFP: 2A.
{BC: Moran 10636 (SD 54019)}
This rare native species occurs in nw BC near Ensenada and El Rosario and also on Cedros Island in the Pacific. Sterile specimens from the SLIB in s BC are likely this taxon, but could also be D. scaposum.
Ecoregions: CSS, CSU, PI (Cedros), CD; Wider distri.: CA
LIVER-LEAF LARKSPUR, SPREADING LARKSPUR

Delphinium scaposum Greene
{BCS: M. Domínguez L. 3480 (SD 218376)}
This rare native species occurs in the SSF of n BCS. Sterile specimens from the SLIB in s BC may also represent this species or D. parryi.
Ecoregions: CSS, PI (Cedros); Wider distri.: CA
BUDDLEIA LARKSPUR

Myosurus apetalus Gay
[syn = Myosurus aristatus Benth.]
Status in CFP: 3.
{BC: R.F. Thorne 55877 (SD 123943)}
This very rare native species is only known from the vicinity of Laguna Hanson in the SJ of n BC.
Ecoregions: CMT; Wider distri.: w USA, w Canada
BRISTLY MOUSETAIL

Myosurus cupulatus S. Watson
Status in CFP: 2B.
{BC: Moran 21262 (SD 86373)}
This very rare native species is only known from the southern end of the SJ in n BC.
Ecoregions: CHA; Wider distri.: SON, sw USA
ARIZONA MOUSETAIL

Myosurus minimus L.
[In Wiggins as Myosurus minimus var. filiformis Greene; syn = Myosurus minimus var. apus Greene]
Status in CFP: 2B; Listed: CNPS 3.1.
{BC: Moran 27523 (SD 104031)}
This uncommon native species prefers vernal pool habitats and occurs in nw BC from the USA/Mexico border south to the vicinity of Colonel and in the SSPM. It also occurs on Guadalupe Island.

Ranunculus aquatilis L. var. diffusus With.
{In Wiggins as Ranunculus aquatilis var. capillaceus (Thuill.) DC.}
Status in CFP: 4.
{BC: Moran 22116 (SD 91597)}
This native aquatic species occurs in wet habitats in the upper foothills & mountains of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distri.: SON, widespread in USA, w Canada, Eurasia, Australia
HAIR-LEAF WATER BUTTERCUP, WHITE WATER CROWFOOT

Ranunculus californicus Benth. var. californicus
{In Wiggins as Ranunculus californicus (no variety)}
Status in CFP: 2A.
{BC: Moran 28345 (SD 105216)}
This rare native species occurs in nw BC from near La Misión south to Santo Tomás.
Ecoregions: CSS; Wider distri.: CA, OR, WA, sw Canada
CALIFORNIA BUTTERCUP

Ranunculus cymbalaria Pursh
{In Wiggins as Ranunculus cymbalaria var. saximontanus Fernald}
Status in CFP: 4.
{BC: Moran 25196 (SD 223620); BCS: León de la Luz 2692 (SD 126833)}
This uncommon native species occurs mostly in the foothills and mountains of the SJ & SSPM in nw BC.
Ecoregions: CSS, CHA, CMT, LCD; Wider distri.: Widespread in USA & Canada, South America, Eurasia
ALKALI BUTTERCUP

Ranunculus harveyi (A. Gray) Britton var. australis (Brandegee)
L.D. Benson
LC endemic.
{BC: Rebman 25196 (SD 223620); BCS: León de la Luz 2692 (SD 126833)}
This rare variety is endemic to our region and occurs in the SLL of BCS and the SLIB of s BC. The specimens from the SLIB are a bit different and may warrant recognition as an undescribed taxon.
Ecoregions: CD, CPM
BAJA CALIFORNIA BUTTERCUP

Ranunculus hebecarpus Hook. & Arn.
Status in CFP: 4.
{BC: Moran 21925 (SD 91197)}
This rare native species occurs in nw BC from just east of San Quintín and on Cedros & Guadalupe islands in the Pacific.
Ecoregions: CSS, CHA, PI (Cedros, Guadalupe); Wider distri.: w USA
HAIRY-FRUIT BUTTERCUP

Ranunculus hydrocharoides A. Gray
Status in CFP: 2B; Listed: CNPS 2.1.
{BC: Wiggins 4907 (POM 269679); BCS: León de la Luz 2791 (SD 126797)}
This rare native species occurs at higher elevations in the SSPM of n BC and in the SLL of the Cape region of BCS.
Ecoregions: CMT, CPM; Wider distri.: SON, scattered in Mexico, AZ, CA, NM, Central America
FROGBIT BUTTERCUP

Ranunculus uncinatus D. Don
Status in CFP: 2B.
Thalictrum fendleri A. Gray var. fendleri
[In Wiggins as Thalictrum fendleri (no varieties); syn = Thalictrum fendleri var. wrightii (A. Gray) Trel.] Status in CFP: 2B.
{BC: Moran 13499 (SD 63629)}
This rare native variety occurs at higher elevations in the s SJ & possibly also in the SSPM of n BC.
Ecoregions: CMT; Wider distr.: SON, n Mexico, w USA
FENDER MEPADOW-RUE

Thalictrum fendleri A. Gray var. polycarpum Torr.
[In Wiggins as Thalictrum polycarpum (Torr.) S. Watson] Status in CFP: 4.
{BC: Moran 28396 (SD 105270)}
This uncommon variety occurs along the coast & lower foothils in extreme nw BC from Tijuana south to near San Vicente.
Ecoregions: CSS, CHA; Wider distr.: CA, NV, OR, UT
SMOOTH-LEAF MEADOW-RUE, TALL WESTERN MEADOW-RUE

Thalictrum peninsulare Rose
BCS endemic.
{BC: Rehman 4730 (SD 142213)}
This rare BCS endemic occurs in the SGUAD & SLL of BCS.
Ecoregions: GIG, CPM
PENINSULAR MEADOW-RUE

Resedaceae

Oligomeris linifolia (Hornem.) J.F. Macbr. (BC: Rehman 6839 (SD 155026); BCS: Moran 19785 (SD 92390))
This native annual is widespread on the peninsula and on many adjacent Gulf & Pacific islands. It occurs from Ensenada in nw BC and Mexicali in ne BC south throughout the peninsula to the vicinity of Todos Santos in the western Cape region of BCS.
Ecoregions: CSS, CSU, PI, LCD, CD, DV, GCD, GIG, MAG, CPL; Wider distr.: SON, n Mexico, sw USA, Eurasia, n Africa
NARROW-LEAF OLIGOMERIS, DESERT CAMBESS; TEDDA

Rhamnaceae

Adolphia californica S. Watson
Listed: CNPS 2.1.
{BC: Moran 19420 (SD 84278)}
This uncommon native shrub occurs in nw & c BC from near La Misión south to the vicinity of Punta Prieta. Note some authors lump this species into an expanded A. infesta (Kunth) Meisn.
Ecoregions: CSS, CSU, CD; Wider distr.: CA
CALIFORNIA SPINE SHRUB, SPINEBRUSH; JUNCO

Ceanothus arboreus Greene
Status in CFP: 2A.
{BC: Junak 6941 (SBBG 130455)}
This rare native, insular shrub occurs only on Guadalupe Island and on the Channel Islands of CA.
Ecoregions: PI (Guadalupe); Wider distr.: CA (Channel Islands)
FELT-LEAF CEAANTHUS

Ceanothus bolensis S. Boyd & J. Keeley
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 17780 (SD 74992)}
This very rare BC endemic occurs only in the vicinity of Cerro Bolo between Tecate & Ensenada in nw BC.
Ecoregions: CSS
CERRO BOLO CEAANTHUS

Ceanothus cordulatus Kellogg
Status in CFP: 2A.
{BC: Moran 14148 (SD 79709)}
This uncommon native species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distr.: CA, NV, OR
MOUNTAIN WHITETHORN, WHITE-THORN CEAANTHUS

Ceanothus crassifolius Tott. var. crassifolius
Status in CFP: 4.
{BC: Moran 17687 (SD 75079)}
This uncommon species occurs in nw BC in the vicinity of Santo Tomás to the sw SJ & the nw SSPM. It has also been historically documented on Guadalupe Island but is thought to be extirpated there at present.
Ecoregions: CSS, CHA, PI (Guadalupe); Wider distr.: CA
HOARY-LEAF-LILAC, THICK-LEAF-LILAC, HOARY-LEAF CEAANTHUS

Ceanothus cuneatus Nutt. var. cuneatus
[In Wiggins as Ceanothus cuneatus (no vars.); syn = Ceanothus cuneatus (Hook.) Nutt. var. submontanus (Rose) McMinn, Ceanothus submontanus Rose]
Status in CFP: 4.
{BC: Moran 16298 (SD 75299)}
This uncommon shrub occurs in nw BC from Tecate south to the western foothils of the SSPM.
Ecoregions: CSS, CHA; Wider distr.: CA, OR
BUCK BRUSH; LILA

Ceanothus cyanus Eastw.
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 21736 (SD 91039)}
This very rare native shrub is only known from one historical collection in extreme nw BC between Tijuana and La Misión.
Ecoregions: CSS; Wider distr.: CA (San Diego County)
LAKESIDE-LILAC, SAN DIEGO BUCKBRUSH

Ceanothus leucodermis Greene
{BC: Moran 10935 (SD 53887)}
This native shrub occurs in nw BC in the foothills and mountains of the SJ & SSPM.
Ecoregions: CHA, CMT; Wider distr.: CA
CHAPARRAL WHITETHORN

Ceanothus leucodermis × C. oliganthus
{BC: Moran 25755 (SD 100881)}
This is a rare interspecific hybrid between Ceanothus leucodermis & C. oliganthus. It occurs very rarely in nw BC on the western foothills of the SSPM.
Ecoregions: CHA
Hybrid Chaparral Whitem thorn

Ceanothus oliganthus Nutt. var. oliganthus
[In Wiggins as Ceanothus oliganthus (no vars.)]
{BC: Moran 20430 (SD 87214)}
This native variety is very rare in our region and occurs only on V3V in n BCS.
Ecoregions: CD; Wider distrib.: CA
Hairy Ceanothus; Lilac

Ceanothus oliganthus Nutt. var. orcuttii (Parry) Jeps.
{BC: Moran 175803 (SD 74974)}
This rare native variety occurs in extreme nw BC between Tecate and Ensenada. It is also known from V3V in n BCS. It should be noted that the populations of C. oliganthus on V3V need to be studied in more detail.
Ecoregions: CSS, CD; Wider distrib.: CA
Orcutt Hairy Ceanothus; Lilac, Castilla

Ceanothus oatyensis McMinn
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 17543 (SD 73124)}
This very rare species occurs on Cerro Jesus Maria in extreme nw BC between Tijuana & Tecate.
Ecoregions: CSS; Wider distrib.: CA (San Diego County)
Otay-Lilac, Otay Mountain Ceanothus

Ceanothus papillosus Torr. & A. Gray
[syn = Ceanothus papillosus var. roweanus McMinn]
Status in CFP: 2A.
{BC: Steve Boyd 10350 (RSA 668686)}
This very rare native shrub is only known in our region from Cerro Bolo in nw BC between Te cate & Ensenada.
Ecoregions: CSS; Wider distrib.: CA
Wart-Leaf Ceanothus

Ceanothus pauciflorus DC.
[syn = Ceanothus vestitus Greene, Ceanothus greggii A. Gray var. vestitus (Greene) McMinn]
{BC: Rebman 9968 (SD 157328)}
This uncommon native shrub occurs in extreme nw BC in the SJ & SSPM and is disjunct to the SASAM in c BC.
Ecoregions: CHA, CMT, CD; Wider distrib.: CA
Mojave Ceanothus

Ceanothus perplexans Trel.
Reference: see Ceanothus pauciflorus: Burge 2013.
[In Wiggins as Ceanothus greggii A. Gray var. perplexans (Trel.) Jeps.; syn = Ceanothus goldmanii Rose]
{BC: Rebman 9968 (SD 157328); BCS: Moran 20443 (SD 87215)}
This common shrub occurs in extreme nw BC in the foothills and mountains of the SJ & SSPM. It also occurs on various sky islands including the SASAM & SBOR in c BC and on V3V in n BCS.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: sw USA
Cup-Leaf Ceanothus

Ceanothus spinosus Nutt.
Status in CFP: 2A.
{BC: Moran 21662 (SD 90830)}
This uncommon native shrub occurs in extreme nw BC from Tijuana south to the vicinity if San Vicente.
Ecoregions: CSS, CHA; Wider distrib.: CA
Green-Bark Lilac, Green-Bark Ceanothus

Ceanothus thyrsiflorus Eschsch. var. thyrsiflorus
Status in CFP: 2A.
{BC: Moran 28148 (SD 104996)}
This very rare native shrub occurs in our region in just a couple of canyons near Eréndira in nw BC.
Ecoregions: CSS, CSU; Wider distrib.: CA, OR
Blue Blossom

Ceanothus tomentosus Parry
[In Wiggins as Ceanothus tomentosus var. olivaceus Jeps.]
{BC: Moran 185346 (SD 77282)}
This native shrub occurs in nw BC from Tijuana south to the southern end of the SSPM.
Ecoregions: CHA, CSU, PI (Cedros); Wider distrib.: CA (San Diego County)
Cape Lilac, Wart-Stem Ceanothus

Ceanothus tomentosus × C. cuneatus
{BC: Moran 25754 (SD 100878)}
This is a rare interspecific hybrid between Ceanothus tomentosus & C. cuneatus. It occurs very rarely in nw BC on the western foothills of the SSPM.
Ecoregions: CHA
Hybrid Ramona-Lilac

Ceanothus verrucosus Nutt.
Status in CFP: 4; Listed: CNPS 2.2.
{BC: Moran 19088 (SD 83072)}
This native shrub occurs at lower elevations along the Pacific coast in nw BC from Tijuana south to near El Rosario. It also occurs on Cedros Island.
Ecoregions: CSS, CHA, CSU, PI (Cedros); Wider distrib.: CA (San Diego County)
Coast-Lilac, Wart-Stem Ceanothus

Colubrina californica I.M. Johnst.
{BC: Rebman 3181 (SD 139191); BCS: Rebman 4479 (SD 141571)}
This uncommon native shrub occurs in the central part of the peninsula in the SBOR & SLIB of c BC & in the SSS of n BCS.
Ecoregions: CD, VD; Wider distrib.: SON, AZ, CA
Las Animas Nakedwood, Las Animas Colubrina; Frutillo

Colubrina triflora Brongn. ex Sweet
[syn = Colubrina arborea Brandegee, Colubrina glomerata (Benth.) Hemsld.]
{BC: A. Carter 3411 (SD 48979)}
This rare native tree occurs in the foothills & mountains of the SLL of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico
Snakewood; Algodoncillo, Palo Cachorra, Palo Colorado, Qui na

Colubrina viridis (M.E. Jones) M.C. Johnst.
[syn = Colubrina glabra S. Watson, Phyllanthus viridis M.E. Jones]
{BC: Moran 7242 (SD 49613); BCS: Burgess 6135 (SD 116887)}
This common native shrub occurs from Angel de la Guarda Island and the vicinity of Bahía de Los Angeles south to the cape region of BCS.
Hoary CoffeeBerry, Chaparral CoffeeBerry; Hierba del Oso
Ecoregions: CHA, CMT; Wider distrib.: CA & SSPM in nw BC.
This uncommon shrub occurs in the foothills & mountains of the SJ
(C.B. Wolf, Rhamnus tomentella Benth. subsp. tomentella
[syn = Rhamnus californica Eschsch. subsp. tomentella (Benth.) Kartesz & Gandhi
: Rebman 5866]
In Wiggins as Gouania mexicana Rose
Wiggins
Gouania rosei

Condalia brandegeei I.M. Johnst.
{BC: Moran 21561 (SD 89830); BCS: Rebman 4534 (SD 141568)}
This shrub is endemic to our region and occurs from the s SSPM
south on various sky islands from the SBOR to the SGUAD. A similar
looking shrub collected in the Cape region is likely an undescribed taxon.
Ecoregions: LCD, CD, GIG
Brandeegee Snakewood; Rama de Coche
Condalia globosa I.M. Johnst. var. globosa
{BC: Zippin 61 (SD 132136); BCS: Moran 9631 (SD 66252)}
This common variety occurs throughout most of BC and ranges from the SLIB of s BC south to the Cape region.
Ecoregions: CD, LD, GD, GIG, MAG, CPM; Wider distrib.: SON, SIN
Southern Snakewood; Sarampion, Palo Negrita, Casa de Coche
Condalia globosa I.M. Johnst. var. pubescens I.M. Johnst.
{BC: C.F. Harbison s.n. 14 Mar 1947 (SD 41962); BCS: Moran 9432 (SD 66250)}
This uncommon variety occurs mostly in BC and ranges from the San Felipe Desert in ne BC south to the SW VPEN in nw BC, but also occurs rarely in the s SGIG.
Ecoregions: LCD, CD, GD, GCD; Wider distrib.: SON, AZ, CA
Bitter Snakewood, Crucillo; Frutilla Negra, Zarampion
Frangula californica (Eschsch.) A. Gray subsp. tomentella
(Benth.) Kartesz & Gandhi
[syn = Rhamnus californica Eschsch. subsp. tomentella (Benth.)
C.B. Wolf, Rhamnus tomentella Benth. subsp. tomentella]
{BC: Rebman 13519 (SD 183048)}
This uncommon shrub occurs in the foothills & mountains of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA
Hoary Coffeeberry, Chaparral Coffeeberry; Hierba del Oso
Frangula californica (Eschsch.) A. Gray subsp. ursina (Greene)
Kartesz & Gandhi
[In Wiggins as Rhamnus californica Eschsch. subsp. ursina (Greene) C.B. Wolf]
Status in CFP: 2B.
{BC: Moran 22621 (SD 91457)}
This very rare native subspecies is only known from one historical specimen collected in extreme nw BC between Tijuana & La Mision. This subspecies is similar to subsp. tomentella, but with green upper leaves and long hairs mixed with tomentose hairs on the abaxial leaf surface.
Ecoregions: SW USA
High Desert Coffeeberry
Pool, Amy, 2014. Taxonomic Revision of Gouania (Rhamnaceae)

Gouania rosei Wiggins
[In Wiggins as Gouania mexicana Rose]
{BC: Rebman 5866 (SD 145356)}
This uncommon native species occurs in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, western Mexico
Rose Chewstick; Huírote Blanco, Guirote de Violín
Fernandez Nava, Rafael. 1988. Tres especies nuevas de Karwinskia
Karwinskia humboldtiana (Roem. & Sch.) Zucc.
[In Wiggins as Karwinskia parvifolia Rose var. pubescens (Standl.)
Wiggins; syn = Karwinskia parvifolia Rose, Karwinskia pubescens
Standl., Rhamnus humboldtiana Willd. ex Schult.]
{BC: Stephenson 356 (SD 94244)}
This uncommon native shrub occurs from the SGUAD south to the Cape region in BCS.
Ecoregions: GCD, GIG, MAG, CPM; Wider distrib.: SON, SIN, widespread in Mexico, TX
Coffeeberry; Cacachila, Coyotillo, Tullidora
Rhamnus crocea Nutt.
{In Wiggins as Rhamnus crocea Nutt. subsp. crocea}
{BC: Moran 16283 (SD 75460)}
This common native shrub occurs mostly in nw BC and ranges south into the northern CD region at the southern end of the SSPM.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA
Spiny Redberry
Rhamnus ilicifolia Kellogg
{In Wiggins as Rhamnus crocea Nutt. subsp. insula (Kellogg) C.B.
Wolf]
LC endemic. Status in CFP: 8.
{BC: Rebman 6246 (SD 148322); BCS: Moran 20450 (SD 87212)}
This species is endemic to our region and occurs from Ensenada in nw BC south to V3V in n BCS. It also occurs on Los Coronados & Cedros islands in the Pacific.
Ecoregions: CSS, CMS, PI (Coronados, Cedros), CD
Santo Tomas Redberry, Redberry Buckthorn
Rhamnus insula Statues
{In Wiggins as Rhamnus crocea Nutt. subsp. insula (Kellogg) C.B.
Wolf}
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 7829 (SD 50063)}
This very rare insular species occurs in our region only on Guadalupe Island.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (Channel Islands)
Island Redberry
Rhamnus pirifolia Greene
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Rebman 17291 (SD 194606); BCS: A. Carter 4575 (SD 106221)}
This very rare native shrub occurs in the SLIB of s BC & in the SGIG of e BCS.
Ecoregions: CD, GIG; Wider distrib.: SON, COA, AZ, NM, TX
Wright’s Mock Buckthorn
Sageretia wrightii S. Watson
{BC: Rebman 17291 (SD 194606); BCS: A. Carter 4575 (SD 106221)}
This very rare native shrub occurs in the SLIB of s BC & in the SGIG of e BCS.
Ecoregions: CD, GIG; Wider distrib.: SON, COA, AZ, NM, TX
Wright’s Mock Buckthorn
Johnston M. 1963. The subspecies of Ziziphus indigenous to U.S.
Ziziphus obtusifolia (Torr. & A. Gray) A. Gray var. canescens (A. Gray) M.C. Johnst.

In Wiggins as Condaliopsis lycioides (A. Gray) Suesseng. var. canescens (A. Gray) Suesseng., Condaliopsis rigida (Wigg.) Wigg.

Status in CFP: 2B. {BC: Moran 27913 (SD 104374); BCS: Moran 9396 (SD 66254)}

This uncommon native shrub occurs sporadically throughout much of the peninsula from the chaparral areas east of Ensenada south to the Cape region and on a few Gulf islands.

Ecoregions: CHA, CSU, PI, CD; Wider distrib.: CA

SOUTHERN CHAMISE, SOUTHERN GREASEWOOD; CHAMIZO, CHAMIZO NEGRO, CHAMIZO VARA NEGRA

Adenostoma fasciculatum Hook. & Arn. var. fasciculatum

{BC: Moran 23389 (SD 96834)}

This native variety occurs mostly in the upper foothills and mountains of the SJ & SSM in nw BC.

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

BIRCH-LEAF MOUNTAIN-MAHOGANY; RAMÓN

Cercocarpus betuloides Nutt. var. betuloides

In Wiggins as Cercocarpus betuloides (no var.).

{BC: Rebman 5457 (SD 144229)}

This native shrub occurs in nw BC from Tecate to the southern end of the SSM.

Ecoregions: CSS, CHA, CMT; Wider distrib.: w USA

CURL-LEAF MOUNTAIN-MAHOGANY

Cercocarpus minutiflorus Abrams

Status in CFP: 4.

{BC: Moran 21660 (SD 90835)}

This uncommon native shrub occurs at lower elevations along the Pacific coast in nw BC from Tijuana south to near San Vicente.

Ecoregions: CSS, CSU, PI; Wider distrib.: CA

SAN DIEGO MOUNTAIN-MAHOGANY
Chamaebatia australis (Brandegee) Abrams
Status in CFP: 4; Listed: CNPS 4.2.
{BC: Moran 18349 (SD 77225)}
This rare native shrub occurs mostly on gabbro substrates in nw BC from Tectate south to the southern end of the SSPM.
Ecoregions: CSS, CHA, CD; Wider distrib.: CA
SOUTHERN MOUNTAIN MISERY


Drymocallis glandulosa (Lindl.) Rydb. var. glandulosa
[In Wiggins as Potentilla glandulosa Lindl. subsp. glandulosa]
Status in CFP: 2B.
{BC: Moran 28347 (SD 105215)}
This rare native subspecies occurs in extreme nw BC along the coast & lower foothills between Tijuana & Ensenada.
Ecoregions: CSS, CHA; Wider distrib.: CA, NV, OR

D. D. Keck

Drymocallis glandulosa (Lindl.) Rydb. var. reflexa (Greene) Ertter
[In Wiggins as Potentilla reflexa (Greene) Rydb.]
Status in CFP: 2A.
{BC: Moran 15009 (SD 69263)}
This rare native subspecies occurs at higher elevations in the SJ & SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: CA, OR

Greene CINQUEFOIL

Drymocallis glandulosa (Lindl.) Rydb. var. wrangelliana (Fisch. & Avé-Lall.) Ertter
[In Wiggins as Potentilla wrangelliana Fisch. & Avé-Lall.]
Status in CFP: 1B.
{BC: Moran 22827 (SD 96666)}
This very rare native subspecies is only known from lower elevations in the vicinity of La Misión in extreme nw BC. This variety is similar to var. glandulosa but has larger, cream flowers and the plants are typically more coastal in distribution.
Ecoregions: CSS; Wider distrib.: CA, OR

WRANGLER CINQUEFOIL


Fallugia paradoxa (D. Don) Endl. ex Torr.
Status in CFP: 2B.
{BC: Moran 26376 (SD 138469)}
This very rare native shrub has only been collected once in our region at the highest elevations of the SSPM in nw BC.
Ecoregions: CMT; Wider distrib.: SON, n Mexico, sw USA

Apache Plume

Frangaria vesca L.
[In Wiggins as Fragaria californica Cham. & Schldtl., Fragaria mexicana Schldtl. syn = Frangaria vesca subsp. californica (Cham. & Schldtl.) Staudt, Fragaria crinita Rydb., Fragaria vesca subsp. bracteata (A. Heller) Staudt]
Status in CFP: 2B.
{BC: Moran 14176 (SD 79756); BCS: H.S. Gentry 4382 (DS 264169)}
This rare native species occurs at higher elevations in the SSPM of n BC and in the SLL of BCS.
Ecoregions: CHA, CMT, CPM; Wider distrib.: SON, central Mexico, widespread in USA & Canada, Europe
CALIFORNIA STRAWBERRY, WOOD STRAWBERRY; FRESA

Heteromeles arbutifolia (Lindley) M. Roem. var. arbutifolia
{BC: Moran 16274 (SD 75329); BCS: Hodgson 9578 (SD 144983)}
This common native variety occurs mostly in nw BC but also ranges south on the peninsula on sky islands including the SASAM & SLIB in s BC and SSF, SGUAD, SGIG & SLL of BCS. It also occurs on Los Coronados, Todos Santos, & Cedros islands in the Pacific Ocean.
Ecoregions: CSS, CHA, CMT, CSU, PI, CD, GIG, CPM; Wider distrib.: CA CHRISTMAS BERRY, TOYON, HOLLYWOOD, CALIFORNIA-HOLLY; FUSIQUE, TOYON

Holodiscus discolor (Pursh) Maxim. var. microphyllus (Rydbg.) Jeps.
[syn = Holodiscus microphyllus Rydgb., Holodiscus microphyllus Rydb. var. sericeus F.A. Ley]
Status in CFP: 2B.
{BC: Witham 416 (SD 71761)}
This very rare variety occurs at high elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: SON, w USA, w Canada

Small-Leaf OCEANSPRAY

Horkelia clevelandii (Greene) Rydgb. var. brevibracteata (Wiggins) Ertter & Reveal
[syn = Horkelia brevibracteata Wiggins]
{BC: Rebmam 3273 (SD 139491)}
This BC endemic variety occurs at higher elevations in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: w USA
BAJA CALIFORNIA HORKELIA

Horkelia truncata Rydgb.
Status in CFP: 1B; Listed: CNPS 1B.3.
{BC: Moran 16151 (SD 73044)}
This rare native species occurs near Guadalupe Valley between Tectate & Ensenada in nw BC.
Ecoregions: CHA; Wider distrib.: CA (San Diego County)
RAMONA HORKELIA
Reference: see Rosaceae: Ertter 2007

Ivesia argyrocoma (Rydb.) Rydgb. var. moranii Ertter & Reveal
[In Wiggins as Ivesia argyrocoma (no variety)]
{BC: Rebmam 3251 (SD 139489)}
This uncommon BC endemic variety occurs at higher elevations in the SSPM of nw BC.
**Ecoregions:** CMT
**MORAN SILVER-HAIR IVESIA**

**Ivesia saxosa** (Greene) Erter
[In Wiggins as Potentilla saxosa Lemmon ex Greene]
Status in CFP: 2A.
{BC: Moran 15590 (SD 68430)}
This uncommon native species occurs at higher elevations in the SJ of nw BC.
Ecoregions: CMT; Wider distrib.: CA
ROCK CINQUEFOIL

**Potentilla biennis** Greene
Status in CFP: 2B.
{BC: R.F. Thorne 62356 (RSA 389120)}
This very rare native species has only been documented once at higher elevations in the SJ of nw BC.
Ecoregions: CMT; Wider distrib.: w USA, w Canada
BRIEF CINQUEFOIL

**Potentilla gracilis** Hook. var. fastigiata (Nutt.) S. Watson
[syn = Potentilla gracilis subsp. nutallii (Lehm.) D.D. Keck, Potentilla gracilis var. nutallii (Lehm.) E. Sheld.]
Status in CFP: 2A.
{BC: Moran 30952 (SD 127278)}
This very rare species has only been documented once in our region and occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: w USA, Canada
NUTTALL CINQUEFOIL

**Potentilla luteosericea** Rydb.
[syn = Potentilla pinetorum Wiggins]
{BC: Moran 14331 (SD 79507)}
This BC endemic species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CMT
SAN PEDRO MARTE CINQUEFOIL

**Potentilla rivicola** (Munz & I.M. Johnst.) Erter
[In Wiggins as Potentilla wheeleri S. Watson var. rimicola Munz & I.M. Johnst.]
Status in CFP: 1B; Listed: CNPS 2B.3.
{BC: Rebman 3291 (SD 139184)}
This rare species occurs at higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: CA
CLIFF CINQUEFOIL

**Potentilla rivalis** Nutt.
Status in CFP: 2B.
{BC: Moran 29727 (SD 108666)}
This rare native species occurs in the upper foothills and mountains of the SJ in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: widespread in USA & Canada
DIFFUSE CINQUEFOIL, BROOK CINQUEFOIL

**Prunus emarginata** (Douglas ex Hook.) Eaton
Status in CFP: 2B.
{BC: R.F. Thorne 61997 (RSA 353809)}
This very rare native shrub is only known from one historical specimen collected at higher elevations in the SSPM of nw BC.
Ecoregions: CMT; Wider distrib.: w USA & w Canada
BITTER CHERRY

**Prunus fasciculata** (Torr.) A. Gray var. fasciculata
[In Wiggins as Prunus fasciculata (no vars.)]
Status in CFP: 2B.
{BC: Moran 20981 (SD 83909)}
This rare native shrub occurs at higher elevations in the upper foothills & mountains in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: sw USA
DESERT ALMOND

**Prunus fremontii** S. Watson
{BC: Moran 26382 (SD 101298); BCS: Henrickson 8995 (SD 115908)}
This common native shrub occurs in desert transition areas in the SJ and in nw BC from Ensenada south to El Rosario & the western side of the SSPM. It also occurs throughout much of the CD & on sky islands as far south as V3V in n BCS.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA
DESERT APRICOT; DAMASQUILLO, DURAZNILE, MANZANITA

**Prunus ilicifolia** (Nutt. ex Hook. & Arn.) D. Dietr. subsp. ilicifolia
[In Wiggins as Prunus ilicifolia (no subspecies)]
{BC: Moran 16276 (SD 75390); BCS: A. Carter 5525 (SD 120760)}
This common native subspecies occurs mostly in nw BC and ranges south mostly on sky islands as far as the e SGIG in BCS, but is rare in BCS & s BC.
Ecoregions: CSS, CHA, CMT, CSU, CD, GIG; Wider distrib.: CA
HOLLY-LEAF CHERRY; ISLAY, MANZANITA

**Prunus ilicifolia** (Nutt. ex Hook. & Arn.) D. Dietr. subsp. lyonii
(Eastw.) P.H. Raven
[In Wiggins as Prunus lyonii (Eastw.) Sarg.]
{BC: Moran 17279 (SD 194608); BCS: León de la Luz 8964 (SD 142091)}
This common native subspecies occurs in s BC in the SLIB and in the SSF & SGUAD of n BCS.
Ecoregions: CD, GIG; Wider distrib.: CA (Channel Islands)
CATAINA CHERRY; ISLAY

*Prunus persica* (L.) Batsch
{BC: León de la Luz 08062 (SD 225162)}
This non-native fruit tree is sometimes planted in our region and has rarely naturalized in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: Native to e Asia, introduced & naturalized in SON, rare in c Mexico., widespread in USA & e Canada
PEACH; DURAZNO

**Prunus serotina** Ehrh. subsp. virens (Woot. & Standl.) McVaugh
{BC: León de la Luz 3346 (SD 139881)}
This native species occurs in the upper elevations and mountains of the SLL of BCS. If recognized, the infraspecific taxon in our region has rarely naturalized in the SLL of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, n Mexico, AZ, NM, TX
BLACK CHERRY; CEREZO, CEREZO CAPULÍN, CAPULÍN

**Prunus virginiana** L. var. demissa (Nutt.) Tort.
Status in CFP: 2B.
{BC: R.F. Thorne 61110 (SD 124961)}
This rare native species occurs at higher elevations in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: w USA, w Canada

Purshia mexicana (D. Don) Henr.  
[syn = Cowania mexicana D. Don]  
{BC: Moran 20728 (SD 88780)}

This rare native shrub occurs at the southern end of the SSPM & on Cerro Matomi in BC.
Ecoregions: CHA, CD; Wider distrib.: SON, nw Mexico, AZ

Mexican Antelope Bush, Mexican Cliff-Rose

Purshia tridentata (Pursh) DC. var. glandulosa (Curran) M.E. Jones  
[syn = Purshia glandulosa Curran]  
Status in CFP: 2B.  
{BC: R.F. Thorne 60515 (SD 124962)}

This rare native shrub occurs in the n SJ in nw BC.
Ecoregions: CMT; Wider distrib.: sw USA

Mojave Antelope Bush; Zarazamora

Rosa minutifolia Engelm.

Status in CFP: 4, 6; Listed: CE. CNPS 2B+F3447.1.  
{BC: Moran 19339 (SD 84231)}

This uncommon native shrub occurs in extreme nw BC from near the coast in Tijuana & Ensenada into the SJ and also in the upper foothills and mountains of the SSPM.
Ecoregions: CSS, CHA, CMT; Wider distrib.: CA, OR

California Rose; Rosa de California

Rosa arizonensis Focke  
{In Wiggins as Rubus scolocaulon Brandegee]  
{BC: Moran 7435 (SD 49889)}

This very rare non-native species is rarely planted in nw BC and has naturalized in the vicinity of San Quintín.
Ecoregions: CSU; Wider distrib.: Native to Eurasia, introduced & widespread in USA & Canada

Himalayan Blackberry; Zarazamora

Rubus ursinus Cham. & Schltdl.

Status in CFP: 2B.  
{BC: Moran 21971 (SD 91761)}

This rare native species occurs in nw BC mostly in the vicinity of Ensenada.
Ecoregions: CSS, CHA; Wider distrib.: w USA & w Canada

California Blackberry; Zarazamora


Vauquelinia californica (Torr.) Sarg. subsp. californica  
{In Wiggins as Vauquelinia californica (Torr.) Sarg. (no subspecies)]  
{BC: Brey 213 (SD 126571)}

This rare native shrub occurs in extreme n BC on the northeastern side of the SJ.
Ecoregions: CMT; Wider distrib.: SON, AZ

Sonora Rosewood

Rubaceae


Carterella alexanderae (A.M. Carter) Terrell  
{In Wiggins as Bouvardia alexanderae A.M. Carter; syn = Hedyotis alexanderae (A.M. Carter) W.H. Lewis]  
{BC: Perez Navarro 1356 (SD 146588)}

This BCS endemic monotypic genus occurs only in the Cape region.
Ecoregions: CPL

Carterella

Chiococca alba (L.) C.L. Hitch.  
{BC: Moran 7360 (SD 50099)}

This native shrub occurs in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America

West Indian Milkberry

Chiococca pubescens Standl. var. peninsularis Wigg.  
{BC: M. Domínguez L. 4114 (SD 189317)}

This BCS endemic variety occurs in the Cape region. Some authors lump this taxon into C. alba and indicate that C. pubescens Standl.
is an illeg. synonym of C. semipilosa Standl. & Stem., but more taxonomic research is needed on this complex.

Ecoregions: GIG, CPL, CPM

Baja California Milkberry

Crusea diversifolia (Kunth) W.R. Anderson
{syn = Crusea subulata (DC.) A. Gray}
{BC: R. Domínguez C. 11111 (HCIB 4567)}
This very rare native species occurs in the SLL of BCS, but specimens need to be verified.
Ecoregions: CPM; Wider distrib.: SON, s Mexico, AZ, NM, Central America

Mountain Saucerflower

Crusea aff. lucida Benth.
{syn = Crusea gentryi Standl.}
{BC: M. Domínguez L. 3920 (HCIB 23083)}
This very rare native species occurs in the SLL of BCS, but specimens need to be verified.
Ecoregions: CPM; Wider distrib.: SON, SIN, JAL, NAY
Sonoran Saucerflower

Crusea longiflora (Willd. ex Roem. & Schult.) W.R. Anderson
{BC: M. Domínguez L. 811 (RSA 607053)}
This very rare native species occurs in the SLL of BCS, but specimens need to be verified.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

Long-Flower Saucerflower

Crusea parviflora Hook. & Arn.
{BC: A.J. Gilmartin 1910 (WS)}
This very rare native species occurs at the base of the SLL of BCS, but specimens need to be verified.
Ecoregions: CPL; Wider distrib.: SON, SIN, w Mexico, Central America

Small-Flower Saucerflower

Crusea psyllioides (Kunth) W.R. Anderson
{BC: M. Domínguez L. 2914 (SD 146807)}
This very rare native species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, w & s Mexico

Mexican Saucerflower

Crusea setosa (M.Martens & Galeotti) Standl. & Steyerm.
{syn = Crusea cruciata S. Watson, Crusea cruciata var. latifolia Brandegee nom. nud.}
{BC: A. Carter 3532 (SD 176787)}
This rare native species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, w & s Mexico, Central America

Bristly Saucerflower

Diodella crassifolia (Benth.) Borhidi
{syn = Diodia crassifolia Benth.}
{BC: León de la Luz 11111 (HCIB 26529)}
This very rare native species occurs on coastal dunes along the Gulf at Punta Arena in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SIN, NAY

Thick-Leaf Buttonweed

Diodella teres (Walt.) Small
{In Wiggins as Diodia teres Walt. var. angustata A. Gray}

Diodella teres

This very rare BC endemic occurs on South Coronado Island in the Pacific Ocean off of nw BC.

{BC: Rebman 18684 (SD 202713); BCS: Rebman 4636 (SD 141861)}
This uncommon native species occurs in the SLIB of s BC and in the SGUAD & Cape region of BCS. It is widespread in the Cape region.
Ecoregions: CD, GI, CPL, CPM; Wider distrib.: SON, widespread in Mexico, s & e USA, Central & South America

Rough-Buttonweed, Poor Joe

Galium andrewsii A. Gray subsp. andrewsii
{In Wiggins as Galium andrewsii (no subspecies)}
{BC: Moran 18137 (SD 76555)}
This native species occurs at higher elevations in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA

Philox-Leaf Bedstraw, Moss Bedstraw

Galium angulosum A. Gray
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 18149 (SD 75682)}
This very rare BC endemic species occurs only on Guadalupe Island.
Ecoregions: PI (Guadalupe)

Guadalupe Bedstraw

Galium angustifolium Nutt. ex A. Gray subsp. angustifolium
{In Wiggins as Galium angustifolium var. diffusum Hilend & J.T. Howell}
{BC: Moran 17602 (SD 75803)}
This uncommon native species occurs in nw BC from Tijuana to Colonet and in the foothills & mountains of the SJ & SSPM. It also occurs on the adjacent Los Coronados island.
Ecoregions: CSS, CHA, CMT, CSU, PI (Coronados); Wider distrib.: CA

Narrow-Leaf Bedstraw

Galium aparine L.
{BC: Moran 20609 (SD 87056)}
This uncommon native species occurs most commonly in nw BC, but also throughout much of the CD region to s BC and on various Pacific islands including Los Coronados, San Martín, Guadalupe, & Cedros.
Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: SON, COA, NLE, widespread in USA & Canada, Europe

Common Bedstraw, Goose Grass, Cleavers, Stickywilly

Galium carterea Dempster
BCS endemic. Listed: NOM Pr.
{BC: A. Carter 5552 (SD 100354)}
This very rare species is only known from the type specimen collected in the e SGIG of BCS.
Ecoregions: GIG

Carter Bedstraw

Galium coronadoense Dempster
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 21054 (SD 84656)}
This very rare BC endemic occurs on South Coronado Island in the Pacific Ocean off of nw BC.
**Coronados Bedstraw**

*Galium diabolense* Dempster

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 25658 (SD 100283)}

*This rare BC endemic occurs on the eastern side of the SSPM of n BC.*

Ecoregions: CMT

**Picacho Diablo Bedstraw**

*Galium martirensense* Dempster & Stebbins


{BC: Moran 11258 (SD 54410)}

*This uncommon BC endemic species occurs in nw BC from the vicinity of Guadalupe Valley south to the southern end of the SSPM.*

Ecoregions: CMT, CSS, CHA

**San Pedro Martir Bedstraw**

*Galium mechudoense* Dempster

BCS endemic.

{BCS: Moran 18988 (SD 106193)}

*This very rare BCS endemic occurs on Cerro Mechudo at the southern end of the SGIG.*

Ecoregions: GIG

**San Diego Bedstraw**

*Galium moranii* Dempster subsp. *aculeolatum* (Dempster) Dempster

{BC: Rebman 18719 (SD 200273); BCS: Moran 18832 (SD 106355)}

*This native subspecies is endemic to our region and occurs in the SLIB of s BC and in the SSF, SGUAD, & n SGIG of BCS.*

Ecoregions: CD, GIG

**Peninsular Bedstraw**

*Galium moranii* Dempster subsp. *moranii*

BCS endemic.

{BCS: Moran 18988 (SD 106193)}

*This very rare BCS endemic occurs on Cerro Mechudo at the southern end of the SGIG.*

Ecoregions: GIG

**Bract-Leaf Bedstraw**

*Galium nuttallii* A. Gray subsp. *nuttallii*

{BC: Moran 11048 (SD 54791)}

*This native subspecies occurs in nw BC mostly from the coast to mid-elevation in the foothills from Tijuana south to near San Quintin.*

Ecoregions: CSS, CHA, CSU; Wider distrib.: CA

**Climbing Bedstraw**

*Galium proliferum* A. Gray

Listed: CNPS 2B.2.

{BC: Rebman 9997 (SD 155390)}

*This very rare native species occurs only in the SASAM of c BC.*

Ecoregions: CD; Wider distrib.: SON, COA, NLE, sw USA

**Limestone Bedstraw, Desert Bedstraw**

*Galium stellatum* Kellogg

{syn = Galium stellatum var. eremicum Hilend & J.T. Howell}

{BC: Moran 10687 (SD 53962); BCS: Moran 19906 (SD 87057)}

*This highly variable native species occurs from ne BC south to the VPEN of nw BCS. It also occurs on Cedros Island in the Pacific and on Angel de la Guarda Island in the Gulf.*

Ecoregions: PI (Cedros), LCD, CD, SD; Wider distrib.: SON, sw USA

**Desert Bedstraw, Starry Bedstraw**

*Galium uncinulatum* DC.

{BC: Moran 7433 (SD 50104)}

*This rare native species occurs at higher elevations in the SLL of BCS.*

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ, TX, Central America

**Bristly Bedstraw**

*Galium volcanense* Dempster

BCS endemic.

{BCS: Moran 18742 (SD 104540)}

*This BCS endemic species occurs only on V3V and Cerro Azufre.*

Ecoregions: CD

**Volcano Bedstraw**

*Galium wigginsii* Dempster

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 14399 (SD 68469)}

*This BC endemic occurs at higher elevations in the SSPM.*

Ecoregions: CHA, CMT

**Wiggins Bedstraw**

*Galium wrightii* A. Gray

Status in CFP: 2B; Listed: CNPS 2B.3.

{BC: Moran 13527 (SD 63643)}

*This uncommon native species occurs at higher elevations in the SJ & SSPM of n BC and in the SLIB of s BC.*

Ecoregions: CHA, CMT, CD; Wider distrib.: SON, n Mexico, sw USA

**Wright Bedstraw**


**Houstonia prostrata** Brandegee

{syn = Houstonia parvula Brandegee, Houstonia prostrata var. parvula (Brandegee) Wiggins, Hedyotis vegrandis W.H. Lewis, Hedyotis sinaloae W.H. Lewis}

{BC: T.S. Brandegee s.n., 25 Sep 1899 (UC 102445)}
This very rare native annual has only been collected a few times in our region; the type specimen at “La Palma” in the Cape region of BCS by Brandegee in 1899 & more recently near El Triunfo.

Ecoregions: CPL; Wider distrib.: SON, SIN, AZ.

**Cape Bluet**


**Mitracarpus breviflorus** A. Gray

{BCS: Rebman 30616 (SD)}

This very rare annual was previously reported but a voucher was discovered in 2015 growing at lower elevations near the Sierra del Novillo in the Cape region of BCS.

Ecoregions: CPL; Wider distrib.: SON, SIN, c & n Mexico, AZ.

**Mitracarpus floribundus** Borhidi & Lozada

BCS endemic.

{BCS: Moran 7045 (SD 50457)}

This uncommon BCS endemic annual occurs mostly in the Cape region and also on Espíritu Santo Island. This species is closely related to *M. linearis* but differs in having wider leaves, longer corolla tubes, & inflorescences in most leaf axils.

Ecoregions: GCD, CPL.

**Baja California Girdlepod**

**Mitracarpus glabrescens** (Griseb.) Urb.

{BCS: Wilder 2013-186 (SD 240231)}

This very rare native perennial occurs in the southern Cape region of BCS.

Ecoregions: CPL; Wider distrib.: s Mexico, Central America

**Smooth Girdlepod**

**Mitracarpus hirtus** (L.) DC.

{BCS: Rebman 5723 (SD 143105)}

This uncommon annual occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America, introduced in se USA

**Tropical Girdlepod**

**Mitracarpus linearifolius** A. Rich.

{BCS: Rebman 27578 (SD 240232)}

This very rare native perennial occurs in the southeast Cape region of BCS near Cabo Palmo.

Ecoregions: CPL; Wider distrib.: s Mexico, West Indies, Central America

**Linear-Leaf Girdlepod**

**Mitracarpus linearis** Benth.

BCS endemic.

{BCS: Hinds s.n. (K (K000174512))}

This very rare BCS endemic annual is only known from the type collected at Cabo San Lucas in 1841. It differs from *M. floribundus* by having very narrow, linear leaves, shorter corolla tubes, & terminal inflorescences. It is reported to occur in Sinaloa, but we have seen no specimens from there yet.

Ecoregions: CPL.

**Cabo San Lucas Girdlepod**

**Mitracarpus schizangius** DC.

{BCS: Rebman 27225 (SD 240233)}

This rare native perennial occurs mostly in the mountains of the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: w & s Mexico

**Mexican Girdlepod**

**Randia armata** (Sw.) DC.

{BCS: Rebman 4543 (SD 141857)}

This uncommon native shrub occurs in the mountains of c BCS from the SGUAD south to the SGIG.

Ecoregions: GIG; Wider distrib.: SIN, widespread in Mexico, Central & South America

**Tropical Indigoberry; Papaché**

**Randia capitata** DC.

{In Wiggins as Randia megacarpa Brandegee}

{BCS: Moran 11783 (SD 59642)}

This uncommon native shrub occurs in the mountains of c BCS in the SGUAD & SGIG and in the Cape region of s BCS.

Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico

**Large Fruit Indigoberry; Papaché, Papachillo**

**Randia obcordata** S. Watson

{BCS: Turner 64-205 (SD 61418)}

This uncommon native shrub occurs in the Cape region of BCS.

Ecoregions: GCD, CPL, Wider distrib.: SON, SIN, widespread in Mexico

**Mexican Indigoberry; Papaché**

**Richardia scabra** L.

{BCS: Moran 6917 (SD 50454)}

This uncommon species occurs in the Cape region of BCS. This species is likely native to our region in some localities although some authors refer to it as a non-native.

Ecoregions: CPL, CPM; Wider distrib.: SON, widespread in Mexico, se USA, West Indies, Central & South America

**Rough Mexican-Clover; Golondrina Blanca**

**Spermacoce confusa** Rendle

{BCS: Rebman 29156 (SD 148749)}

This uncommon native annual is only known in our region from the Sierra del Novillo near La Paz in the northern Cape region.

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, West Indies, Central & South America

**River False Buttonweed**


**Stenotis arenaria** (Rose) Terrell

{In Wiggins as Houstonia arenaria Rose; syn = Hedyotis arenaria (Rose) W.H. Lewis}

BCS endemic.

{BCS: Rebman 5837 (SD 145352)}

This BCS endemic annual with white flowers occurs in the Cape region.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico

**Sand Star-Violet**

**Stenotis asperuloides** (Benth.) Terrell var. *asperuloides*

{In Wiggins as Houstonia asperuloides (Benth.) A. Gray var. asperuloides; syn = Hedyotis asperuloides Benth.}

BCS endemic.

{BCS: León de la Luz 4373 (SD 148749)}

This rare BCS endemic annual with pink flowers occurs mostly in the Cape region from La Paz south to Los Cabos.
Ecoregions: GCD, MAG, CPL, CPM

**Cape Star-Violet**

*Stenotis asperuloides* (Benth.) Terrell var. *brandegeana* (Rose) Terrell

[In Wiggins as Houstonia asperuloides (Benth.) A. Gray var. brandegeana (Rose) W.H. Lewis; syn = Hedyotis asperuloides Benth. var. brandegeana (Rose) Terrell, Hedyotis asperuloides Benth. f. brandegeana (Rose) W.H. Lewis]

BCS endemic.

{BCS: Moran 6931 (SD 50459)}

This very rare BCS endemic annual with pink flowers occurs in the Cape region and differs from var. asperuloides by having smaller flowers & fruits.

Ecoregions: CPL, CPM

**BRANDEGEE STAR-VIOLET**

*Stenotis australis* (I.M. Johnst.) Terrell

[In Wiggins as Houstonia australis I.M. Johnst.; syn = Hedyotis saxatilis W.H. Lewis, [not Hedyotis australis W.H. Lewis & D.M. Moore = Houstonia micrantha (Shinners) Terrell]]

BCS endemic.

{BCS: Rebman 5771 (SD 143106)}

This rare BCS endemic occurs in the Cape region and mostly at higher elevations in the mountains.

Ecoregions: CPL, CPM

**SOUTHERN STAR-VIOLET**

*Stenotis brevipes* (Rose) Terrell

[In Wiggins as Houstonia brevipes Rose; syn = Hedyotis brevipes (Rose) W.H. Lewis]

LC endemic.

{BC: C.F. Harbison s.n., 26 Mar 1947 (SD 132973); BCS: Rebman 1659 (SD 137049)}

This species is endemic to our region and occurs from Bahía San Francisco in extreme se BC south along the eastern side of the peninsula to the northeastern Cape region of BCS. It also occurs on many adjacent Gulf islands.

Ecoregions: GCD, GIG, MAG, CPL

**BAJA CALIFORNIA STAR-VIOLET**

*Stenotis gracilenta* (I.M. Johnst.) Terrell

[In Wiggins as Houstonia gracilenta I.M. Johnst.; syn = Hedyotis asperifolia M. Martens & Galeotti, Diphragmus scaber C. Presl]

BR: 350-353.

{BC: Rebman 3504 (SD 140927)}

This BCS endemic species occurs on San Diego & San Francisco islands in the southern Gulf. This species may be a hybrid between *S. brevipes* & *S. mucronata* and needs more taxonomic research.

Ecoregions: GCD (Gulf islands)

**ISLAND STAR-VIOLET**

*Stenotis mucronata* (Benth.) Terrell

[In Wiggins as Houstonia mucronata (Benth.) B.L. Rob.; syn = Hedyotis mucronata Benth., Houstonia fruticosa Rose]

BCS endemic.

{BCS: Pérez Navarro 737 (SD 141126)}

This BCS endemic subshrub occurs mostly along the Gulf coast and on many adjacent islands from Loreto south to the eastern Cape region. It also occurs disjunctly to Bahía de Magdalena on the Pacific coast.

Ecoregions: GCD, MAG, CPL

**GULF STAR-VIOLET**

*Stenotis peninsularis* (Brandegee) Terrell

[In Wiggins as Houstonia peninsularis Brandegee; syn = Hedyotis peninsularis (Brandegee) W.H. Lewis]

BCS endemic.

{BCS: Rebman 27575 (SD 234567)}

This very rare BCS endemic occurs in the se Cape region in the Sierra de la Trinidad and near Cabo Pulmo.

Ecoregions: CPL

**PENINSULAR STAR-VIOLET**


**Tessiera lithospermoides** DC.

[In Wiggins as *Staelia scabra* (C. Presl) Standl.; syn = Spermacoe asperifolia M. Martens & Galeotti, Diphragmus scaber C. Presl]

{BC: Rebman 5732 (SD 143104)}

This rare native species occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN widespread in Mexico

**MEXICAN FALSE BUTTONWEED**

**Rutaceae**

*Amyris carterae* Rebman & F. Chiang


BCS endemic.

{BCS: Rebman 4674 (SD 142882)}

This rare BCS endemic shrub occurs in the SGUAD & SGIG.

Ecoregions: GIG

**Carter Torchwood**

*Amyris aff. madrensis* S. Watson

{BC: M. Domínguez L. 235 (SD 139880)}

This rare native species occurs in the Cape region of BCS and although currently called *A. madrensis*, it is likely that the taxon in BCS is an undescribed species.

Ecoregions: CPL, CPM; Wider distrib.: ne & c Mexico, TX

**Mountain Torchwood**

**Limoncello**

*Casimiroa edulis* La Llave & Lex.

{BC: L. Roberts s.n., 4 Feb 2008 (SD 182540)}

This rare non-native species is often planted and has naturalized rarely in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: Native to e Mexico & Central America, introduced in SON, SIN & other parts of Mexico

**White Sapote; zapote Blanco, mataSano**


**Cynorodon dumosum** (Nutt. ex Torr. & A. Gray) Hook. f. ex Baill.

{BC: Moran 35037 (SD 111054)}

This common native shrub occurs mostly in nw BC but ranges into the northern CD region and is disjunct to the SBOR in s BC.

Ecoregions: CSS, CHA, CSU, CD; Wider distrib.: CA

**Coast Spice Bush, Bush-Rue; Hierba del Zorrillo**

**Esenbeckia flavia** Brandegee

BCS endemic.

{BCS: Dice 567 (SD 117576)}

This BCS endemic shrub occurs most commonly in the Cape region, but also in the SGUAD, SGIG, & on a few adjacent southern Gulf islands.
*Ptelea* *aperta* Parry

*syn = Ptelea obscura Greene*

BC endemic. Status in CFP: 1B, 5.

(BC: Thompson 3952 (SD 115454))

This uncommon BC endemic shrub occurs in nw BC from near La Misión south to El Rosario & the extreme northern CD region.

Ecotopics: CSS, CHA, CSA, CD

**Baja California Hop Tree**

**Ruta chalepensis** L.

Status in CFP: 2B.

(BC: Moran 30669 (SD 111044))

This non-native species is often planted as a medicinal herb and rarely naturalizes in nw BC and on Guadalupe Island.

Ecotopics: CSS, CHA, CD, PI (Guadalupe); Wider distrib.: Native to the Mediterranean, introduced & scattered in Mexico, CA, TX

**Baja California Turpentine Bush**

**Thamnosma montana** Torr. & Frem.

(BC: Moran 30669 (SD 111044))

This native shrub occurs in BC in the n SJ, San Matías Pass, SBOR, & on Ángel de la Guarda Island.

Ecotopics: CMT, LCD, CD; Wider distrib.: SON, sw USA

**Baja California Fringed Rue**

**Thamnosma trifoliata** I.M. Johnst.

BCS endemic.

(BCS: Rebman 7577 (SD 157888))

This very rare BCS endemic occurs along the Gulf coast near Agua Verde.

Ecotopics: GCD

**Baja California Desert-Rue**


**Zanthoxylum arborescens** Rose

*syn = Zanthoxylum peninsulare Brandegee*

(BCS: Raus 23582 (SD 77401))

This uncommon native tree occurs in the Cape region of BCS.

Ecotopics: GCD, CPL, CPM; Wider distrib.: SIN, NAY

**Baja California Prickly Ash**

**Zanthoxylum fagara** L. Sarg.

*In Wiggins as Zanthoxylum sonorense Lundell; syn = Zanthoxylum pterota (L.) Kunth*

(BCS: Turner 248 (SD 61168))

This uncommon native shrub occurs in the SGUADE & Cape region of BCS.

Ecotopics: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America

**Sonoran Prickly Ash**

**Zanthoxylum parvifolium** Torr. & Frem.

*In Wiggins as Zanthoxylum parvifolium var. pierotis (L.) Kunth*

(BCS: Keeley 23582 (SD 77401))

This uncommon native shrub occurs in the SGUADE & Cape region of BCS.

Ecotopics: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, TX, West Indies, Central & South America

**Sonoran Prickly Ash**

**Salicaceae**


**Populus brandegeei** C.K. Schneid.

*In Wiggins as is Populus brandegeei var. glabra Wiggins, Populus brandegeei var. brandegeei; syn = Populus monticola Brandegee*

(BCS: Moran 18195 (SD 120724))

This uncommon native species occurs in the SGUADE, e. SGIG, & SLL of BCS.

Ecotopics: GI G, CPM; Wider distrib.: SON, CHH

**Brandegee Cottonwood**

**Guberio, Guerigo, Hueirivo, Alamo**

**Populus fremontii** S. Watson subsp. fremontii

*In Wiggins as is Populus macdougallii Rose, Populus fremontii var. pubescens Sarg.; syn = Populus arizonica Sarg., Populus deltoides Marshall var. fremontii (S. Watson) Cronquist, Populus fremontii var. thornberi Sarg., Populus fremontii var. tourneyi Sarg.*

(BC: Moran 14591 (SD 68155); BCS: Thomas 7869 (SD 50046))

This native tree occurs most commonly in nw BC especially in the foothills & mountains of the SJ & SSPM. It also ranges disjunctly throughout the peninsula from near Mexicali in ne BC to near Bahía de Los Angeles in se BC to the SGUADE & Cape region of BCS.

Ecotopics: CSS, CHA, CMT, CSA, LCD, CD, GI G, CPL; Wider distrib.: SON, sw USA

**Western Cottonwood**

**Fremont Cottonwood**

**Alamo**

**Populus tremuloides** Michx.

*syn = Populus balsamifera L. subsp. trichocarpa (Hook.) Bray-shaw*

Status in CFP: 2B.

(BC: Moran 15524 (SD 68855))

This rare native species occurs at higher elevations in the SSPM of nw BC.

Ecotopics: CMT; Wider distrib.: SON, n & c Mexico, widespread in USA except se USA, Canada

**Quaking Aspen**

**Alamillo, Alamo, Temblón**

**Populus trichocarpa** Hook.

(BC: Rebman 5520 (SD 145556))

This rare native species occurs in the upper foothills & mountains of the SSPM of nw BC.

Ecotopics: CHA, CMT; Wider distrib.: w USA & w Canada

**Black Cottonwood**

**Alamo**

**Dorn, Robert D. 1998. A taxonomic study of Salix section Longifo-


**Argus, George W. 1997. Infrageneric classification of Salix (Sali-


**Salix bongardiana** Kunth

*In Wiggins as is Salix bongardiana var. bongardiana, Salix bong-

landiana var. tourneyi (Britton) C.K. Schneid.]

Status in CFP: 2B.

(BC: Rebman 17248 (SD 194610); BCS: M.E. Jones 24133 (SD 25380))

This uncommon native species occurs mostly in the southern half of the peninsula from the SLIB in a BC south to the Cape Region. It is also known rarely in the SSPM of n BC. This species is closely relat-

ed to *S. laevigata* & their ranges overlap slightly on the peninsula.

Ecotopics: CD, VD, GCD, GI G, MAGIC, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, Central America

**Boland Willow**

**Sauz, Sauce, Taráis**

**Salix exigua** Nutt. var. exigua

*In Wiggins as is Salix exigua (no varieties)*

(BC: Moran 17775 (SD 75127))

This uncommon native variety occurs mostly in n BC especially in wet canyons on the lower eastern slopes of the SJ & SSPM. It also
occurs disjunctly to the SLIB in s BC & can be found in a few places in the lower foothills of nw BC.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: SON, SIN, w USA & w Canada
NARROW-LEAF WILLOW, COYOTE WILLOW

Salix exigua Nutt. var. hindsiana (Benth.) Dorn
[In Wiggins as Salix exigua var. laevigata (Dudley) C.R. Ball; syn = Salix bonplandiana Kunth var. aravaipa (Jeps.) C.R. Ball; Dorn]
{BC: Moran 13057 (SD 98615)}
This rare native variety occurs in nw BC near Tecate & in the southwestern & southeastern foothills of the SSPM.
Ecologies: CSS, CHA; Wider distrib.: CA, OR, WA

Salix gooddingii C.R. Ball
[In Wiggins as Salix gooddingii var. vallicola (Dudley) C.R. Ball; syn = Salix gooddingii var. variabilis C.R. Ball]
{BC: J. Delgadillo s.n. 19 Jun 1997 (SD 152700); BCS: Rutherford 885 (SD 93719)}
This rare native tree occurs rarely in nw BC near Tecate, more commonly in ne BC in the vicinity of Mexicali, and disjunctly to the s SGIG and the MAG region of BCS.
Ecologies: CSS, LCD, GIG, MAG; Wider distrib.: SON, SIN, CHH, COA, GRO
GOODDING BLACK WILLOW; SAUCE, SAUZ, TARÁIS

Salix irrorata Andresson
Status in CFP: 2B.
{BC: J. Delgadillo s.n., 21 Jul 1986 (SD 154720)}
This very rare native species occurs at higher elevations in the SSPM of n BC. This species is closely related to S. lasiolepis but has plum-colored twigs that are usually quite glaucous.
Ecologies: CMT; Wider distrib.: SON, CHH, COA, DUR, AZ, CO, NM, WY
BLUE-STEM WILLOW, DEWY-STEM WILLOW

Salix lasiolepis Bebb
[In Wiggins as Salix lasiolepis var. laevigata, Salix laevigata var. aravaipa (Jeps.) C.R. Ball; syn = Salix bonplandiana Kunth var. laevigata (Bebb) Dorn]
{BC: Moran 18307 (SD 77247); BCS: Moran 11743 (SD 59820)}
This native species is relatively common in most of nw BC and rarely on the lower eastern slopes of the SJ & SSPM. It also occurs disjunctly to the SLIB in s BC and in the SSF & n SGIG of n BCS.
Ecologies: CSS, CHA, CMT, CSU; LCD, CD, GIG; Wider distrib.: sw USA
RED WILLOW; SAUCE, AHUEJOTE, SAUZ, SAUZ ROJO

Salix lasiolepis Benth.
{syn = Salix lasiolepis var. brachelinae C.R. Ball}
{BC: D. Clemons 1353 (SD 118974)}
This native species occurs in nw BC from near Tecate to El Rosario and in the SJ & SSPM.
Ecologies: CSS, CHA, CMT, CSU; Wider distrib.: SON, mostly in Mexico, w USA
ARROYO WILLOW; SAUCE, AHUEJOTE, SAUZ, TARÁIS

Salix taxifolia Kunth
{syn = Salix exilifolia Dorn}
This very rare native species occurs in the SLL of BCS and published specimens also document it from the SGIG and from near El Rosario in nw BC.
Ecoregions: CSU, CPM; Wider distrib.: SON, nw Mexico, AZ, NM, TX
YEW-LEAF WILLOW, SILVER WILLOW; TARÁIS

Sapindaceae

Aesculus parryi A. Gray
{BC: Moran 13179 (SD 62901)}
This BC endemic species occurs mostly in nw BC from near La Misión south to El Rosario. It also occurs along the Pacific coast in c BC & is disjunct to the SLIB in s BC. This genus was previously recognized in the Aesculaceae & Hippocastanaceae.
Ecologies: CSS, CHA, CSU, CD
PARRY BUCKEYE, BAJA CALIFORNIA BUCKEYE; TROMPO

Cardiospermum corinum L.
{syn = Cardiospermum corinum var. loxense (Kunth) Radlk., Cardiospermum palmeri Vasey & Rose}
{BC: Moran 25672 (SD 100296); BCS: Rehman 7559 (SD 138898)}
This common native vine occurs from the lower eastern canyons of the SSPM in ne BC south to the Cape region and on various adjacent Gulf islands.
Ecologies: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, West Indies, Central & South America; introduced in AZ, FL, TX
BALLOON VINE; TRONADOR, TRONADORA, FAROLITOS, JUANITA, HUÉROTE

Cardiospermum spinosum Radlk.
{syn = Paullinia spinosa (Radlk.) I.M. Johnst.}
{BC: Moran 9440 (SD 66246)}
This rare BCS endemic species occurs from the s SGIG south to the vicinity of La Paz and on the adjacent Gulf islands of San Jose, San Francisco, & Espiritu Santo.
Ecologies: GCD, GIG
GULF BALLOON VINE; TRONADOR

Cardiospermum tereum Benth.
{syn = Paullinia tereum (Benth.) Brandegee, Serjania californica Benth.}
{BC: Webster 19575 (SD 97415)}
This rare BCS endemic species occurs on Magdalena & Santa Margarita islands and ranges south to the Cape region and on Cerralvo Island in the Gulf. This species is closely related to Paullinia sonorensis and more taxonomic work is needed on these species for clear differentiation.
Ecologies: MAG, CPL
MAGDALENA BALLOON VINE; TRONADOR

Dodonaea viscosa Jacq.
{syn = Dodonaea angustifolia L.f., Dodonaea viscosa var. angustifolia (L.f.) Benth.}
{BC: Moran 11419 (SD 62901)}
This BC endemic species occurs in the SLL of BCS and published specimens also document it from the SGIG and from near El Rosario in nw BC.
Ecoregions: CSU, CPM; Wider distrib.: SON, nw Mexico, AZ, NM, TX
YEW-LEAF WILLOW, SILVER WILLOW; TARÁIS

Sapindaceae
Ecoregions: CMT, CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, worldwide in tropics & subtropics

Hop Bush, Horseseed Bush, Varnish Tree; Jarilla, Alamillo, Granadillo, Granadina, Guayabillo

Paulinia sonorense S. Watson

{BC: Rebman 25069 (SD 225319); BCS: Moran 18790 (SD 94454)}
This rare native species occurs in the SLIB of s BC and in the SSF, SGUAD, SGIG, & Cape region of BCS. It is closely related to Cardioespernum tortuosum and more taxonomic work is needed on this species & its relatives in our region.
Ecoregions: CD, GI, CPL, CPM; Wider distrib.: SON
Sonoran Bread and Cheese

Sapindus saponaria L.

{BC: Wiggins 5667 (POM 265937)}
This very rare native tree occurs in the vicinity of Miraflorres in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, s & se USA, West Indies, Central & South America
Wing-Leaf Soapberry; Jaborcillo, Amollillo

Serjania albida Radlk.
BCS endemic.
{BC: E. Palmer 263 (MEXU 18883)}
This very rare BCS endemic species is only known from the type specimen collected at Santa Agueda near Santa Rosalía in n BCS.
This species appears to be closely related to Paulinia sonorense but more research is needed. The nomenclatural combination of this species in the genus Serjania has been reported for SIN, but the specimens need to be verified.
Ecoregions: GI
Baja California Serjania

Sapotaceae

Sideroxylon brandegeei (S.F. Blake) [syn = Bumelia brandegeei S.F. Blake, Bumelia fragrans Brandegee illegit.]
BCS endemic.
{BC: León de la Luz 11314 (HCIB 26826)}
This very rare BCS endemic species occurs only at San José del Cabo & the vicinity of Cabo Pulmo. Some authors lump this species under Sideroxylon occidentale but more research is needed. The nomenclatural combination of this species in the genus Sideroxylon has not yet been formally published.
Ecoregions: CL
BRANDEGEE BULLY

Sideroxylon leucophyllum S. Watson
{BC: Moran 10492 (SD 54357)}
This uncommon species is a near-endemic to BC, but does occur on two Sonoran islands. It occurs on the lower eastern side of the SJ in n BC, near San Luis Gonzaga, Bahía de Los Angeles, & El Barril in se BC and on Ángel de la Guarda Island in the Gulf.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON (Tiburon & San Estéban islands)
Gulf Bully

Sideroxylon occidentale (Hemsley) T.D. Pennington
{BC: A. Carter 2837 (SD 48070)}
This uncommon native species occurs in the SGUAD & SGIG in n BCS south to the Cape region.
Ecoregions: GI, CPL, CPM; Wider distrib.: SON, SIN
Western Bully, Western Bumelia; Bebelama

Sideroxylon peninsulae (Brandegee) T.D. Pennington
{BC: R. Domínguez C. 1831 (HCIB 11210)}
This very rare native species is only known from one specimen collected in the n SGIG in BCS and this specimen needs to be verified to be sure it is this taxon.
Ecoregions: GI, CPM
Baja California Bully; Bebelama

Sideroxylon lanuginosum Michx. subsp. rigidum (A. Gray) T.D. Pennington
{BC: R. Domínguez C. 1831 (HCIB 11210)}
This very rare native tree occurs in the vicinity of Miraflorres in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: SON, SIN, n Mexico, AZ, NM, OK, TX
Gum Bully, Chittam Wood; Bebelama

Sarcobataceae

Sarcobatus vermiculatus (Hook.) Torr. [syn = Batis vermiculata Hook.]
{BC: Snow 6428 (MO 5006991)}
This very rare native shrub is only known from one specimen in our region collected in the s SJ of mw BC. This species was historically recognized in the Chenopodiaceae.
Ecoregions: CHA; Wider distrib.: SON, w USA, c Canada
Greasewood

Saxifragaceae

Heuchera rubescens Torr.
{BC: Moran 15623 (SD 69111); BCS: Moran 18750 (SD 80317)}
This uncommon native species occurs at higher elevations in the SJ & SSPM of n BC in the SBOR & SLIB of s BC, & on V3V on n BCS.
If var. versicolor is recognized it is listed as CNPS 3.3.
Ecoregions: CHA, CMT, CD; Wider distrib.: SON, w USA
San Diego Alum Root, Pink Alum Root

Jepsonia malvifolia (Greene) Small
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 12064 (SD 84619)}
This very rare native species occurs on Guadalupe Island in the Pacific.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (Channel Islands) ISLAND JEPSONIA

Jepsonia parryi (Torr.) Small
{BC: Moran 22898 (SD 96687)}
This uncommon native species occurs along the Pacific coast & lower foothills of mw BC from Tijuana south to El Rosario & on the adjacent Los Coronados Islands.
Ecoregions: CSS, CHA, CSU, PI (Coronados); Wider distrib.: CA COAST JEPSONIA
**Lithophragma affine** A. Gray

[In Wiggins as Lithophragma affinis (spelling variant), Lithophragma tripartita Greene; syn = Lithophragma affine subsp. mixtum R.L. Taylor]

Status in CFP: 2A.

{BC: Moran 26812 (SD 101804)}

*This very rare native shrub is only known from a couple of collections near La Misión south to the vicinity of Colonel.*

Ecoregions: CSS, CSU; Wider distrib.: CA, OR

**Woodland Star**


**Micranthes californica** (Greene) Small

[syn = Saxifraga californica Greene]

Status in CFP: 2A.

{BC: Moran 26606 (SD 101604)}

*This very rare native species occurs in extreme nw BC from near La Misión south to Santo Tomás.*

Ecoregions: CSS, CSU; Wider distrib.: CA, OR

**California Saxifrage**

Micranthes *eriophora* (S. Watson) Small

[syn = Saxifraga *eriophora* S. Watson]

Status in CFP: 2B.

{BC: Moran 15406 (SD 70307)}

*This very rare native species occurs at higher elevations in the SSPM of n BC.*

Ecoregions: CMT; Wider distrib.: SON, CHH, AZ, NM

**Red-Fuzz Saxifrage**

**Schoepfiaceae**

**Schoepfia californica** Brandegee

LC endemic.

{BC: Thomas 8208 (SD 51123); BCS: Moran 84556 (SD 54490)}

*This species is endemic to our region and occurs from near Santa Rosalilita & Bahía de Los Angeles in s BC south to the Cape region of BCS. This species was previously recognized in the Olacaceae.*

Ecoregions: CD, VD, GCD, GIG, MAG, CPM

**California Schoepfia**; **Canadelillo, Iguail**

**Schoepfia schlechteri** J.F. Gmel.

{BC: M. Provance 8087 (UCR 135689)}

*This very rare native shrub is only known from a couple of collections in the northwestern Cape region and these need to be verified that they are not *S. californica.*

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, West Indies, Central & South America

**Gulf Graytwig; Palo Cachorra, Pimentella**

**Schoepfia shreveana** Wiggins

{BC: Rebmam 4533 (SD 141587)}

*This native shrub is very rare in our region and occurs in the SGUAD of n BCS.*

Ecoregions: GIG; Wider distrib.: SON

**Shreve Schoepfia; Palo Verde**

**Scrophulariaceae**


**Buddleja corrugata** M.E. Jones subsp. *corrugata*


BCS endemic.

{BCS: Moran 9309 (SD 61557)}

*The genus Buddleja has been recognized in the Loganiaceae & Buddlejaceae. This BCS endemic subspecies occurs in the s SGIG in the vicinity of Loreto and on Monserrat Island in the Gulf.*

Ecoregions: GIG, GCD

**Giganta Butterflybush**

**Buddleja corrugata** M.E. Jones subsp. *gentryi* E.M. Norman

BCS endemic.

{BC: Moran 7455 (SD 49921)}

*This BCS endemic subspecies occurs in the s SGIG & in the MAG region west of La Paz.*

Ecoregions: GIG, MAG

**Gentry Butterflybush**

**Buddleja corrugata** M.E. Jones subsp. *moranii* E.M. Norman

BCS endemic.

{BC: Moran 18719 (SD 80314)}

*This BCS endemic subspecies occurs in the SSF, V3V, & SGUAD in n BCS. This subspecies is closely related to *B. marrubiifolia* Benth. subsp. occidentalis E.M. Norman of e SON & w CHH and has been lumped with that taxon by some authors.*

Ecoregions: CD, GCD, GIG

**Moran Butterflybush**

**Buddleja crotonoides** A. Gray subsp. *crotonoides*

[syn = Buddleja purpusii Standl., B. stenoptera Standl. & Steyerm.]

{BCS: Moran 7306 (SD 49917)}

*This species occurs in the Cape region of BCS.*

Ecoregions: CPL, CPM; Wider distrib.: s Mexico

**Cape Butterflybush; Lengua de Buey**

**Buddleja sessiliflora** Kunth


[syn = Buddleja wrightii B.L. Rob.]

{BC: Moran 22386 (SD 91553)}

*This species is only known from the vicinity of San Quintín in our region and it is possible that it is adventive in this area.*

Ecoregions: CSU; Wider distrib.: SON, SIN, w & s Mexico, AZ, TX

**Rio Grande Butterflybush; Hierba de Tepozán**

**Myoporum laetum** G. Forst.

{BC: Moran 19126 (SD 83007)}

*This non-native shrubby tree is often planted in the Mediterranean parts of nw BC and rarely naturalizes near Ensenada & San Quintín. This genus was historically recognized in its own family, the Myoporaceae.*

Ecoregions: CSS, CSU; Wider distrib.: Native to New Zealand, introduced in CA

**Mousehole Tree, Ngaio**

**Scrophularia californica** Cham. & Schltdl.

[In Wiggins as Scrophularia californica var. floribunda (Greene) R.J. Shaw]

Status in CFP: 2A.

{BC: Moran 30047 (SD 110371)}

*This rare native species occurs in extreme nw BC from Tijuana south to near Ojos Negros.*

Ecoregions: CSS, CHA; Wider distrib.: CA

**California Bee Plant, California Figwort**
Scrophularia villosa Pennell
Status in CFP: 1B; Listed: CNPS 1B.2.
{BC: Moran 18390 (SD 77955)}
This very rare insular native occurs on Guadalupe Island in the Pacific Ocean.
Ecoregions: PI (Guadalupe); Wider distrib.: CA (Channel Islands)
SANTA CATALINA FIGHWORT

Simaroubaceae

*Ailanthus altissima* (Mill.) Swingle
{BC: Moran 27788 (SD 103208)}
This non-native tree is sometimes planted as an ornamental in our region and rarely naturalizes in nw BC, especially near old ranch sites.
Ecoregions: CSS, CHA; Wider distrib.: CA, scattered in USA, e Canada, widely naturalized in temperate regions worldwide
TREE-OF-HEAVEN; NOGAL

Castela peninsularis Rose
BCS endemic.
{BCS: Moran 9605 (SD 66293)}
This BCS endemic shrub occurs from Bahía de Magdalena & near Loreto south to the Cape region & on Magdalena & Santa Margarita islands in the Pacific and on various southern Gulf islands from San Diego to Cerralvo.
Ecoregions: GCD, MAG, CPL
PENINSULAR CRUCIFIXION-THORN; CHAPARRO AMARGOSO

Castela polyandra Moran & Felger
{BC: Moran 11895 (SD 59952); BCS: Moran 8465 (SD 54500)}
This near-endemic species occurs in the vicinity of Bahía de Los Ángeles in se BC and between Santa Rosalía and Mulegé in nw BCS and on adjacent San Marcos Island. It also occurs rarely on Tiburon Island in the Gulf.
Ecoregions: CD, GCD; Wider distrib.: SON (Tiburon Island)
GULF CRUCIFIXION-THORN; CORONA DE CRISTO, CHAPARRO AMARGOSO

Simmondsiaceae


Simmondsia chinensis (Link.) C.K. Schneid.
{BC: Moran 20719 (SD 88893); BCS: Rebman 9750 (SD 153869)}
This widespread & common native shrub occurs throughout most of the peninsula except the GIG & CPM regions. It also occurs on the Pacific islands of Guadalupe, Cedros, Natividad, Magdalena, & Santa Margarita and on various Gulf Islands. This monotypic genus was previously recognized in the Buxaceae & the Euphorbiaceae.
Ecoregions: CSS, CHA, SU, PI, LCD, CD, BV, GCD, MAG, CPL; Wider distrib.: SON, AZ, CA
JOJOLA, GOATNUT; JOJOLA

Solanaceae


Capsicum annuum L. var. glabriusculum (Dunal) Heiser & Pickering
{syn = Capsicum annuum var. aviculare (Dierbach) D’Arcy & Eshbaugh, Capsicum annuum var. minimum (Mill.) Heiser}
{BC: Rebman 17252 (SD 194611); BCS: Turner 229 (SD 61364)}
This rare native taxon occurs in the SLIB of s BC and in the SGUAD, c SGI, & Cape region of BCS.
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, s & se USA, West Indies, Central & South America
CHILTEPIN; CHILTEPIN, CHILE PIQUIN

Datura arenicola Gentry ex Bye & Luna
BCS endemic.
{BCS: Rebman 29231 (SD)}
This very rare & recently described BCS endemic species occurs only in the vicinity of the town of Vizcaíno in nw BCS.
Ecoregions: VD
VIZCAINO THORNAPPLE; CHAMICA

Datura discolor Bernh.
Status in CFP: 2B.
{BC: West 75 (SD 145754); BCS: Rebman 4429 (SD 141556)}
This common & widespread native annual occurs throughout much of the peninsula from ne BC south to the Cape region & on Cedros & Santa Margarita islands in the Pacific and on various Gulf islands.
Ecoregions: CSU, PI (Cedros), LCD, CD, BV, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, CA
DESERT THORNAPPLE, DESERT DATURA; TOLOACHE, TOLOGUACHA

Datura inoxia Mill.
{BCS: Rebman 5861 (SD 145348)}
This rare native perennial occurs in s BCS from the s SGI, & Cape region. Specimens of this in BCS need to be verified that they are not introduced plants of *D. wrightii*.
Ecoregions: GIG, MAG, CPL, CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, Central America, introduced & uncommon in USA, e Canada, West Indies, tropical Old World JIMSON WEEDE; TECUYANA, TOLOACHE, TOLOOCHE CHINO

Datura wrightii Regel
{BC: Rebman 15967 (SD 191487)}
This rare native perennial occurs in nw BC along the Pacific coast & in the lower foothills & on San Martín Island.
Ecoregions: CSS, CHA, PI (San Martín); Wider distrib.: SON, CHH, sw USA
WESTERN JIMSON WEEDE, WESTERN THORNAPPLE; TOLOACHE

Jaltomata procumbens (Cav.) J.L. Gentry
{syn = Saracha procumbens (Cav.) Ruiz & Pav.}
{BCS: Rebman 5748 (SD 143102)}
This rare native species occurs in the foothills & mountains of the SLL of BCS.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, Central & South America
CREEPING FALSE HOLLY; JALTOMATE, TOMATILLO

Lycianthes dejecta (Fernald) Bitter
{syn = Solanum dejectum Fernald}
{BCS: M. Domínguez L. 800 (HCIB 10485)}
This very rare native species occurs in the SLL of BCS and may represent a new & undescribed taxon.
Ecoregions: CPM; Wider distrib.: DUR & c Mexico

**Lycium andersonii** A. Gray var. *andersonii*
Status in CFP: 2B.
{BC: Moran 12368 (SD 65168); BCS: León de la Luz 8968 (HCIB 11015)}
This native variety occurs mostly in BC, especially in ne BC & south along the Gulf coast to Bahía de Los Ángeles. It also occurs rarely in nw BC near San Quintín & El Rosario, on the adjacent San Martín Island, & in the SSF of n BCS.
Ecoregions: CSS, CHA, CSU; PI, CD, CV; Wider distrib.: BC, AZ, CA

**Lycium carolinianum** Walter var. *quadridifidum* (Moc. & Sessé ex Dunal) C.L. Hitchc.
{BC: Peter Fritsch 1305 (RSA 543263)}
This very rare taxon occurs in the western Cape region of BCS.
Ecoregions: CPL, Wid. distrib.: SIN, e & w Mexico, CA, MS, TX

**Lycium densifolium** Wiggins
BC endemic.
{BC: Peter Fritsch 1305 (RSA 543263)}
This very rare BC endemic occurs from near San Quintín south into the CD to the vicinity of Bahía de Los Ángeles.
Ecoregions: CSS, CD

**Lycium esertum** A. Gray
tyn = Lycium fremontii A. Gray var. bigelovii A. Gray, Lycium retusum B.L. Rob. & Fernald
{BC: Zippin 40 (SD 132165); BCS: Rehman 3421 (SD 140919)}
This uncommon species occurs from c BC near Punta Catarina south to the northern Cape region. It also occurs on San Benitos Island in the Pacific.
Ecoregions: PI (San Benitos), CD, VW, GCD, MAG, CPL; Wid. distrib.: SON, SIN, AZ

**Lycium fremontii** A. Gray var. *congestum* C.L. Hitchc.
{In Wiggins as Lycium fremontii var. viscidum Wiggins; syn = Lycium umbellatum Rose}
Lycium fremontii A. Gray var. fremontii

This species is endemic to our region and occurs from near Misión San Fernando in ne BC south to near La Paz in s BCS.

Ecoregions: CD, VD, GCD; Wider distrib.: Native to Peru, introduced in SON, SIN, scattered in Mexico, widespread in e USA & e Canada

Lycium fremontii A. Gray var. fremontii

This very rare native species occurs in the vicinity of San Matías in ne BCS.

Ecoregions: Baja California Desert Thorn; Frutilla, Saliciego

Lycium megalcarpum Wiggins

LC endemic.

Ecoregions: LCD, CD, GCD; Wider distrib.: Native to South America, Mediterranean

Nicotiana attenuata Tott. ex S. Watson

This uncommon native species occurs in nw BC from Tijuana to Colonet and in the foothills & mountains of the SJ & SSPM. It also occurs on Guadalupe Island.

Ecoregions: CSS, CHA, LCD, CD, GCD, MAG; Wider distrib.: SIN, w USA & w Canada

Nicotiana clevelandii A. Gray

[In Wiggins as Nicotiana greeneana Vasey & Rose]

This uncommon native annual is widespread on the peninsula and occurs from Tijuana and the lower eastern slopes of the SJ south to the vicinity of La Paz. It also occurs on Los Coronados, Todos Santos, San Martín, Cedros, & Natividad islands in the Pacific and rarely on a few southern Gulf islands.

Ecoregions: CSS, CHA, CSU, PI (Ceedros, Guadalupe); Wider distrib.: SON, AZ, CA

Nicotiana obtusifolia M. Martens & Galeotti

[In Wiggins as Nicotiana palmeri A. Gray, Nicotiana trigonophylla Dunal] Status in CFP: 2B.

This widespread native species occurs mostly in desert regions of the peninsula from Tijuana to the Cape region & rarely in nw BC and in the sw VD & MAG regions of BCS. It occurs on Guadalupe & Cedros islands in the Pacific and rarely on a few southern Gulf islands.

Ecoregions: CSS, CSU, PI (Cedros, Guadalupe); Wider distrib.: Native to South America, introduced in SON, SIN, widespread in Mexico, sw & se USA, Africa, Mediterranean

Nicotiana glauca Graham

This widespread non-native, weedy species occurs throughout much of the peninsula from Tijuana to the Cape region. It also occurs on Guadalupe & Cedros islands in the Pacific and rarely on a few southern Gulf islands. If varieties are recognized within this species, the taxon in our region is var. glauca.

Ecoregions: CSS, CSU, PI (Cedros, Guadalupe), CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: Native to South America, introduced in SON, SIN, widespread in Mexico, sw & se USA, Africa, Mediterranean

Nicotiana physalodes (L.) Gaertn.

This non-native species is sometimes planted as an ornamental and has rarely naturalized in the vicinity of San Quintín in nw BC and in the Cape region of BCS.

Ecoregions: CSU, CPL; Wider distrib.: Native to Peru, introduced in SON, SIN, scattered in Mexico, widespread in e USA & e Canada

Nicotiana physalodes (L.) Gaertn.

This very rare annual is presumably non-native in our region and occurs in the northeastern Cape region of BCS.
Ecoregions: CPL; Wider distrb.: Native to SIN, s Mexico, Central & South America, introduced in n Mexico, se USA

* Nicotiana tabacum L.  
{BCS: R. Dominguez C. 970 (HCIB 14696)}

This very rare non-native species is occasionally planted as a crop and apparently has very rarely naturalized in the Cape region of BCS.

Ecoregions: CPL; Wider distrb.: Native to tropical South America, cultivated and sometimes naturalizing in tropical & subtropical areas worldwide

**Physalis crassifolia** Benth. var. infundibularis I.M. Johnst.  
{syn = Physalis flava Wiggins}  
{BC: Moran 8575 (SD 60732)}

This near-endemic variety occurs from the lower eastern side of the SJ in n BC south to the vicinity of Bahía de Los Angeles and on Ángel de la Guarda Island & San Estéban in the Gulf.

Ecoregions: LCD, CD; Wider distrb.: SON (San Estéban Island)

**BAJA CALIFORNIA GROUNDCHERRY; TOMATILLO**

**Physalis hederifolia** Benth. var. versicolor (Ryd.b.) Waterfall  
{syn = Physalis versicolor Rydb., Physalis versicolor var. microphylla Rydb., Physalis sonorense Standl., Physalis genucaulis A. Nels.}  
{BCS: Moran 3800 (SD 50179)}

This variety is rare in our region and occurs on San Francisco & San José islands in the southern Gulf. It differs from var. crassifolia by having a distinctive corolla “eye” and thin, rather deeply toothed leaves. Some authors lump this taxon into var. crassifolia.

Ecoregions: GCD; Wider distrb.: SON, SIN, AZ, NM

**SONORAN GROUNDCHERRY; TOMATILLO DEL DESIERTO**

**Physalis hederifolia** L.  
{syn = Calibrachoa parviflora (Juss.) D’Arcy}

Ecoregions: CSS, CHA, CMT, CSU, CD, SD, GCD, GIG, MAG, CPL; Wider distrb.: SON, SIN, widespread in Mexico, sw & se USA, Central & South America

**WILD PETUNIA; SMALL-FLOWER PETUNIA; PETUNIA COSTERA**

Ponce, Ofelia Vargas, Mahinda Martinez Y Diaz, and Patricia Davila Aranda. 2003. La familia Solanaceae en Jalisco, el género Physalis. 127. Universidad de Guadalajara, Guadalajara, Jalisco, Mexico

**Physalis angulata L.**  
{BCS: M.E. Jones 27414 (POM 191594)}

This rare native species occurs in the southern Cape region of BCS.

Ecoregions: CPL; Wider distrb.: SON, SIN, widespread in Mexico, sw, c & se USA, West Indies, Central America

**CUT-LEAF GROUNDCHERRY; TOMATILLO**

**Physalis crassifolia** Benth. var. crassifolia  
{In Wiggins as Physalis crassifolia var. cardiophylla (Torr.) A. Gray; syn = Physalis cardiophylla Torr., Physalis pedunculata Greene, Physalis greenii Vasey & Rose, Physalis muriculata Greene, Physalis crassifolia fma. muriculata (Greene) Waterfall, Physalis filipendula Brandegee, Physalis crassifolia subvar. amplifoliata Waterfall}  
{BC: Moran 24059 (SD 97052); BCS: Moran 19929 (SD 92371)}

This widespread & variable variety occurs from ne BC south to the Cape region and on Cedros, Magdalena, & Santa Margarita islands in the Pacific and various Gulf islands.

Ecoregions: PI (Cedros), LCD, CD, SD, GCD, GIG, MAG, CPL; Wider distrb.: sw USA

**THICK-LEAF GROUNDCHERRY; TOMATE DE CULEBRA, TOMATILLO, TOMATILLO DE VIBORA**
Physalis philadelphica Lam.
{BC: Moran 18570 (SD 80202); BCS: León de la Luz 9318 (HCIB 11832)}
This rare non-native is commonly planted & has rarely naturalized in nw BC & in n & e BCS.
Ecoregions: CSS, CSU, GIG, MAG; Wider distrib.: Native to SON, SIN, widespread in Mexico, introduced & widespread in USA & Canada, Central America

Mexican ground cherry, tomatillo; Hierba de la Vibora, Tomate de Vibora, Tomatillo, Tomate Verde

Physalis pruinosa L.
[In Wiggins as Physalis maxima Mill.; syn = Physalis nicandrifolium Schldl. var. attenuata Waterfall]
{BC: D.F. Howe s.n. 29 Sep 1967 (SD 80714)}
This rare native species occurs in the s SGIG & in the Cape region of BCS.
Ecoregions: GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America

Husk tomato; Tomatillo

Physalis pubescens L.
{BC: Rebman 17244 (SD 194612); BCS: Rebman 5734 (SD 143101)}
This species is likely native to our region & occurs in the SLIB of s BC and from the SSF south to the Cape region of BCS.
Ecoregions: CD, VD, GIG, MAG, CPL, CPM; Wider distrib.: Probably native to SON, SIN, widespread in Mexico, c USA, Central & South America, introduced in w USA & tropical regions worldwide

White nightshade, American black nightshade; Hierba Mora, Chichiquelite, Yerba Mora

Physalis solanacea (Schldl.) Axelius
{syn = Margaranthus solanaceus Schldl.}
{BC: Rebman 25179 (SD 223623); BCS: M. Domínguez L. 2218 (SD 142077)}
This rare native species occurs in the SLIB of s BC & the SSF of n BCS.
Ecoregions: CD, VD, GIG, MAG, CPL, CPM; Wider distrib.: Probably native to SON, SIN, widespread in Mexico, c USA, Central & South America, introduced in w USA & tropical regions worldwide

Netted globe cherry

Physalis subulata Rydb. var. neomexicana (Rydb.) Waterfall
{syn = Physalis neomexicana Rydb., Physalis poetens Poir. var. neomexicana (Rydb.) Waterfall}
{BC: Orcutt s.n. 30 May 1883 (US)}
This very rare native taxon is only known from one historical specimen collected by Orcutt in “Valleym” in nw BC.
Ecoregions: CSS; Wider distrib.: AZ, CO, NM, TX

New Mexican ground cherry


Solana adscendens Sendtn.
{BC: A. Carter 5376 (SD 131888)}
This uncommon native species occurs in the SGUAD, SGIG, & Cape region of BCS.
Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, TX

Sonora Nightshade; Piscuilla

Solana americanum Mill.
{In Wiggins as Solanum nodiflorum Jacq.; syn = Solanum calvum Bitter}

Solana douglasii Dunal
{syn = Solanum profundeincisum Bitter}
{BC: Moran 18562 (SD 80225); BCS: Moran 20412 (SD 87268)}
This native species occurs mostly in nw BC, but also ranges south on sky islands of the peninsula including the SASAM, SBOR, SLIB of s BC & the SSF & V3V of n BCS. It also occurs on Guadalupe Island in the Pacific. This species is closely related to S. nigrescens and may be conspecific, but the plants in BC usually differ from most S. nigrescens specimens having more gray pubescence & narrower leaves with obvious toothing. More taxonomic research is needed on these taxa.
Ecoregions: CSS, CHA, PI (Guadalupe), CD; Wider distrib.: n Mexico, sw USA

Douglas Nightshade

*Solana dulcamara L.
{BC: E. Palmer 74 (US)}
This non-native species is sometimes planted and may possibly naturalize in the vicinity of La Paz in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: Native to n Africa, Eurasia, introduced & widespread in USA & Canada

Bittersweet, Climbing Nightshade

*Solana elaeagnifolium Cav.
{BC: Moran 19192 (SD 82990); BCS: M. Domínguez L. 3021 (SD 151770)}
This species is likely non-native to our region and occurs in extreme nw BC between Ensenada & the n SJ. It also occurs in near Mulegé, La Paz & the northeastern Cape region of BCS.
Ecoregions: CSS, CHA, CMT, LCD, GCD, CPL; Wider distrib.: Possibly native to SON, SIN, n Mexico, c & sw USA, introduced in other parts of Mexico, CA, Central & South America

White Horse-nettle, Silver-leaf Horse-nettle; Trompillo, Tomatillo Perene

*Solana erianthum D. Don
{BC: M. Domínguez L. 1267 (HCIB 5634)}
This non-native shrub is occasionally planted in the Cape region of BCS and may be rarely naturalizing in that region as well.
Ecoregions: CPL; Wider distrib.: Native to SON, SIN, scattered in Mexico, West Indies, FL, TX

Potato tree; Temalabar

Solana ferrugineum Jacq.
{syn = Solanum madrense Fernald}
{BC: L. Roberts s.n., 5 Apr 2008 (SD 182538)}
This species is putatively native to BCS & occurs rarely in the Cape region. It is possible that the documented populations may have been introduced originally & have now naturalized.
Ecoregions: CPL; Wider distrib.: SON, SIN, w Mexico

Sierra Madre Nightshade

*Solana furcatum Dunal
{BC: Rebman 3175 (SD 139157)}
This non-native species is very rare in our region & has been collected in extreme s BC.
Ecoregions: CD; Wider distrib.: Native to South America, introduced in CA & OR
FORKED NIGHTSHADE

*Solanum grayi* Rose
{BCS: M. Domínguez L. 2999 (HCIB 14825)}
This very rare native species occurs in the SLL of BCS. Some specimens from BCS need to be verified that they are not the closely related *S. lumholtzianum*.
Ecoregions: CPM; Wider distrib.: SON, SIN, w Mexico
GRAY NIGHTSHADE

*Solanum hindsianum* Benth.
{BC: Moran 19415 (SD 84377); BCS: Rebmam 7009 (SD 158890)}
This widespread & common native shrub occurs from near Colonet in nw BC & San Felipe in ne BC south to the Cape region. It also occurs on Cedros & Santa Margarita islands in the Pacific and most Gulf islands.
Ecoregions: CU, PI (Cedros), LCD, CD, GD, GDC, GIG, MAG, CPL, CPM; Wider distrib.: SON, AZ
BAJA CALIFORNIA NIGHTSHADE; MARIOLA, COLESHORA, OJO DE LIEBRE, MARIOLONA, MALA MUJER, TOMATILLO ESPINOSO

*Solanum lumholtzianum* Bartlett
{BCS: R. Domínguez C. 2064 (HCIB 15622)}
This very rare native species occurs in the SLL of BCS. Some specimens from BCS need to be verified that they are not the closely related *S. grayi*.
Ecoregions: CPM; Wider distrib.: SON, SIN, AZ
SONORAN NIGHTSHADE

*Solanum nigrescens* M. Martens & Galeotti
{BCS: Rebmam 27289 (SD 237140)}
This rare native species occurs mostly in the Cape region of BCS. This species is closely related to *S. douglasii* and may represent the same taxon, but specimens from BCS have larger, ovate leaves that are greener in color than typical *S. douglasii* in BC. More taxonomic research is needed.
Ecoregions: MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, s USA, Central & South America
DIVINE NIGHTSHADE; CHRICHQULIT, HIERBA MORA

*Solanum nigrum* L.
{BC: Philbrick 1571 (SD 194527); BCS: M.E. Jones 94119 (SD 25383)}
This rare non-native species occurs mostly in disturbed urban areas in nw BC near Ensenada & San Quintin. It also occurs on Todos Santos Island & rarely in the western Cape region of BCS. This species is often difficult to separate from *S. americanum*.
Ecoregions: CSS, CSU, PI (Todos Santos), CPL; Wider distrib.: Native to Eurasia, introduced & widespread in Mexico, w & e USA, Canada
BLACK NIGHTSHADE; HIERBA MORA

*Solanum palmeri* Vasey & Rose
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 10565 (SD 54283)}
This very rare BC endemic species occurs on Todos Santos & San Martin islands in the Pacific & rarely in the vicinity of San Quintin on the peninsula.
Ecoregions: CSU, PI (Todos Santos, San Martin)
PALMER NIGHTSHADE

*Solanum parishii* A. Heller
{BC: Rebmam 11834 (SD 160845)}
This rare native species occurs in extreme nw BC near Tijuana.
Ecoregions: CSS; Wider distrib.: CA, OR
PARISH NIGHTSHADE

*Solanum physalifolium* Rusby var. *nitidibaccatum* (Bitter) Edmonds
In Wiggins as Solanum sarrachoides Sendtn. misappl.
{BC: Moran 11291 (SD 54430)}
This rare non-native occurs in nw BC near Ensenada, Tecate, & in the higher elevations of the SSPM. It also occurs in s BC in the SLJB.
Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: Native to South America, introduced & widespread in USA & Canada
HOE NIGHTSHADE, Hairy NIGHTSHADE

*Solanum rostratum* Dunal
{BC: Moran 27987 (SD 104059); BCS: M. Domínguez L. 3834 (HCIB 20923)}
This rare non-native occurs in nw BC near Colonel & in the southern Cape region of BCS.
Ecoregions: CPL; Wider distrib.: Native to c USA, introduced in SON, SIN, widespread in Mexico, USA, & Canada
BUFFALO BERRY, BUFFALO BUR; ABROJO AMARILLO, DURAZNILLO, MALA MUJER

*Solanum seaforthianum* Andrews
{BCS: M. Domínguez L. 3792 (SD 160014)}
This rare non-native is often planted as an ornamental and has rarely naturalized in the Cape region of BCS.
Ecoregions: CPL; Wider distrib.: Native to tropical South America, introduced in SON, widespread in s Mexico, FL, West Indies, Australia, Africa, Asia
BRAZILIAN NIGHTSHADE; GUINDILLA

*Solanum stoloniferum* Schltdl. & Bouché
[syn = *Solanum fendleri* A. Gray]
{BCS: R. Domínguez C. 291 (SD 130819)}
This rare native species occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX
FENDLER NIGHTSHADE; PAPA CIMARRONA, HIERBA MORA

*Solanum umbelliferum* Eschsch.
{syn = *Solanum umbelliferum* var. *glabrescens* Torr.]
{BC: Moran 13203 (SD 62841)}
This uncommon native species occurs in nw BC from Tijuana south to San Quintin and in the SJ & SSPM.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: AZ, CA
BLUE WITCH NIGHTSHADE

*Solanum wallacei* (A. Gray) Parish subsp. *clokeyi* (Munz) Thorne
In Wiggins as Solanum wallacei (no subspecies)]
Status in CFP: 1B; Listed: CNPS 4.2.
{BC: Moran 21167 (SD 86954)}
This very rare subspecies occurs on Guadalupe Island in the Pacific and on Santa Cruz & Santa Rosa islands of CA.
Ecoregions: PI (Guadalupe); Wider distr.: CA (Channel Islands)
ISLAND NIGHTSHADE
Solanum xanti A. Gray

[In Wiggins as Solanum tenuilobatum Parish, Solanum xanti var. glabrescens Parish; syn = Solanum xanti var. hoffmannii Munz, Solanum xanti var. intermediate Parish, Solanum xanti var. montanum Munz]

{BC: Moran 28460 (SD 174600)}

This rare native species occurs in nw BC from Tijuana south to San Quintín & in the SJ & SSPM.

Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: w USA

Baja California: Nightshade

Stegnospermataceae

Stegnosperma halimifolium Benth.


{BC: Rebman 3128 (SD 139522); BCS: Rebman 7510 (SD 158935)}

This common widespread native species occurs throughout much of the peninsula from ne BC south to the Cape region and on Magdalena & Santa Margarita islands in the Pacific and many Gulf islands. Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN

Baja California: Stegnosperma; Amole, Vomitivo, Tinta, Hierba de Ciervo

Stixaceae


Forchhammeria watsonii Rose

{BC: Rebman 1711 (SD 137188)}

This native tree occurs in BCS from the vicinity of Mulegé south to the Cape region along the Gulf coast. This genus was previously recognized in the Cleomaceae, but it may fit best as its own family or in an expanded Resedaceae.

Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN

San Juan Tree, lollipop tree; palo San Juan, Jito

Styracaceae


Styrax gentryi P.W. Fritsch

{BC: M. Domínguez L. 723 (SD 139875)}

This rare species occurs at higher elevations in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Native to SON, SIN, widespread in Mexico, West Indies, Central & South America, introduced in FL

Ceylon-Spanish, Florida-Spanish

Tamaricaceae

*Tamarix aphylla (L.) H. Karst.

{BC: Rebman 27047 (SD 234565); BCS: Rebman 7518 (SD 158886)}

This non-native tree is commonly planted and has rarely naturalized in n BC near Tijuana & San Quintín. It seems to naturalize more readily in BCS, especially near La Paz & in the Cape region.

Ecoregions: CSS, CSU, PI (Cedros), VD, GCD, MAG, CPL; Wider distrib.: Native to w Asia, n Africa, introduced in SON, SIN, sw USA & TX, West Indies

Athatel, Salt-Cedar; Pino Salado

*Tamarix chinesis Loureir

[In Wiggins as Tamarix pentandra Pall.]

{BC: Wilder 10-384 (MO 6421540)}

This non-native shrub is rare in our region & has been documented on Angel de la Guarda Island, but hybrids with T. ramosissima are very common & invasive in ne BC.

Ecoregions: CD (Angel de la Guarda Island); Wider distrib.: Native to e Asia, introduced & naturalized in SON, SIN, n Mexico, w USA

Five-Stamen Tamarisk; Pino Salado

*Tamarix hohenackeri Bunge


{BC: Jim Riley 79 (SD 228012)}

This rare non-native species is similar looking to T. ramosissima but has fascicled flowering branches. It occurs in nw BC between Ensenada & El Rosario, in the n SJ, & near Mexicali in ne BC.

Ecoregions: CSS, CSU, CMT, LCD; Wider distrib.: Native to Asia, introduced in CA

Hohenacker Tamarisk; Pino Salado

*Tamarix gallica L.

{BC: C.F. Harbsin s.n. 15 Aug 1954 (SD 45678)}

This very rare non-native occurs in nw BC near San Quintín & in the SJ.

Ecoregions: CMT, CSU; Wider distrib.: Native to s Europe, introduced in n Mexico & scattered in s USA

French Tamarisk, Salt-Cedar; Pino Salado

*Tamarix parviflora DC.

{BC: L. Chagoya s.n. 7 Nov 1992 (BCMEX 544)}

This very rare non-native species has only been documented once in our region in the vicinity of Ensenada in nw BC and this specimen needs to be verified.
Tetrachondraceae

Polypremum procumbens L.
{BC: A.W. Anthony 349 (SD 3697)}
This very rare native species has only been documented a couple of times in our vicinity in the vicinity of San José del Cabo in 1897 and more recently in the eastern foothills of the SLL of BCS. This monotypic genus was previously recognized in the Loganiaceae & Buddlejaceae.
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, se USA, Central & South America
JUNIPER-LEAF

Theophrastaceae

Samolus ebracteatus Kunth var. cuneatus (Small) Henrickson
[In Wiggins as Samolus ebracteatus (no vars.)]
{BC: Moran 19023 (SD 100421)}
This native variety occurs in wet areas of BCS from near Comondú in the SGIG south the Cape region. This is the most common variety in our region.
Ecoregions: GIG, MAG, CPL, CPM; Wider distr.: SON, widespread in Mexico, s USA, West Indies, Central America
LIMESTREAM BROOKWEED; PHORIA

Samolus ebracteatus Kunth var. alyssoides (A. Heller) Henrickson
{syn = Samolus alyssoides A. Heller}
{BC: M. Domínguez L. 3894a (HCIB 21296)}
This very rare native variety has only been documented once in our region in the SGIG of BCS. The specimen deposited at HCIB has been annotated by an expert in this group.
Ecoregions: GIG; Wider distr.: e Mexico, TX & se USA
GULF BROOKWEED

Samolus parviflorus Raf.
{syn = Samolus valerandi L. subsp. parviflorus (Raf.) Hultén, Samolus floribundus Kunth}
{BC: Moran 22560 (SD 91411)}
This native species occurs in the lower foothills of nw BC from near Tecate south to El Rosario.
Ecoregions: CSS, CHA, CSU; Wider distr.: SON, widespread in Mexico, widespread in USA, e Canada, West Indies, Central & South America
WATER-PEPPERWEED, SEASIDE BROOKWEED

Samolus vagans Greene
{BC: Moran 7396 (SD 49949)}
This rare native species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distr.: SON, CHH, DUR, AZ
CHIRICAHUA MOUNTAIN BROOKWEED

Thymelaeaceae

Daphnopsis laguna Breedlove & León de la Luz
BCS endemic.
{BC: M. Domínguez L. 4061 (SD 188568)}
This rare BCS endemic shrub occurs at higher elevations in the SLL of Cape region.
Ecoregions: CPM
LA LAGUNA DAPHNOPSIS; MANGLE DE LA SIERRA

Urticaceae

Hesperocnide tenella Torr.
{BC: Moran 21987 (SD 91775)}
This native annual occurs at lower elevations near the coast in nw BC from Tijuana south to near El Rosario and on adjacent Pacific islands including Los Coronados, Todos Santos, San Martín, & Guadalupe. It should be noted that the plants from Guadalupe Island look quite different and may represent an undescribed taxon.
Ecoregions: CSS, CHA, CSU, PI; Wider distr.: SON, rare in Mexico, CA & ne USA
GARDEN NASTURTIUM; MANSELLE

Parietaria floridana Nutt.
{syn = Parietaria debilis auct. non G. Forst.}
{BC: H.S. Gentry 4103 (MO 1159030)}
This rare native annual occurs in the SGIG in the vicinity of Comondú. It should be noted that this name was misappl. to P. hespera that occurs throughout most of the Baja California region but was recently separated in the FNA treatment using various characters. All specimens need to be re-examined to determine the distribution of this species in our region.
Ecoregions: GIG; Wider distr.: SON, SIN, scattered in Mexico, se USA, West Indies, South America
FLORIDA PELLITORY
**Parietaria hespera** B.D. Hinton var. *californica* B.D. Hinton
Status in CFP: 4. (BC: Oberbauer 6 (SD 162661))
This rare native variety occurs along the immediate Pacific coast in nw BC from Tijuana south to near El Rosario and on the adjacent Pacific islands of Los Coronados, Todos Santos, & San Martín.
Ecoregions: CSS, CSU, PI; Wider distrib.: CA
California Pellitory

**Parietaria hespera** B.D. Hinton var. *hespera*
[In Wiggins as Parietaria floridana Bentham, misapplied]
(BC: Moran 8883 (SD 66776); BCS: M. Domínguez L. 3159 (SD 161900))
This native variety occurs in wet, protected areas throughout most of the peninsula from nw BC south to the Cape region of BCS. It also occurs on Guadalupe & Santa Margarita islands in the Pacific and on the Gulf islands of Ángel de la Guarda & San Lorenzo. This species is sometimes difficult to separate from *P. floridana*.
Ecoregions: CSS, CSU, PI; Wider distrib.: CA
Western Pellitory, Desert Pellitory

**Parietaria pensylvanica** Willd.
Status in CFP: 2B. (BC: D. Clemens 1622 (SD 120909); BCS: M. Domínguez L. 3159 (SD 161900))
This uncommon native annual occurs mostly in desert areas of our region and is sporadic from nw BC south to the s SGIG of BCS.
Ecoregions: LCD, CD, VD, GIG; Wider distr.: Scattered in Mexico, widespread in USA & Canada
Pennsylvania Pellitory, Paleteria

**Urtica dioica** L. subsp. *holosericea* (Nutt.) Thorne
[In Wiggins as Urtica holosericea Nutt.]
Status in CFP: 4. (BC: Moran 4231 (SD 79558))
This uncommon native species occurs in wet areas of nw BC from Tijuana south to the upper foothills & mountains of the SSPM.
Ecoregions: CSS, CHA, CMT; Wider distr.: USA
Hoary Nettle; Ortiga Delgada; Ortiguilla

*Urtica urens* L.
(BC: Rebman 2599 (SD 137446))
This uncommon non-native annual occurs in nw BC from near Tijuana south to the western foothills of the SSPM & on the adjacent Los Coronados Island in the Pacific.
Ecoregions: CSS, CHA, PI (Coronados); Wider distr.: Native to Europe, introduced in SON, rare in Mexico, widespread in USA & Canada
Dwarf Nettle, Dog Nettle; Ortiguilla

**Valerianaceae**

**Valeriana sorbifolia** Kunth var. *sorbifolia*
[In Wiggins as Valeriana sorbifolia (no variety)]
(BCs: Rebman 5788 (SD 143098))
This rare native species occurs at higher elevations in the SLL of BCS.
Ecoregions: CPM; Wider distr.: SON, SIN, widespread in Mexico, AZ, NM, Central America
Pineland Valerian

**Verbenaceae**


*Aloysia barbata* (Brandegee) Moldenke
[syn = Lippia barbata Brandegee, Lippia montana Brandegee]
BCS endemic.
{BC: A. Carter 5643 (SD 124360)}
This BCS endemic shrub occurs from the c SGIG northwest of Loreto south to the Cape region and on Espíritu Santo Island.
Ecoregions: GIG, CPL, CPM
Baja California Beebrush; Zantinia, Santimia, Poleo, Margarita, Oregonillo

*Aloysia sonorensis* Moldenke
[syn = Aloysia gentryi Moldenke]
{BCs: León de la Luz 12079 (HCIB 29093)}
This very rare native shrub occurs in the s SGIG of BCS and is only known from a couple of specimens in our region.
Ecoregions: GIG; Wider distr.: SON
Sonoran Beebrush; Mariola

*Burroughsia fastigiata* (Brandegee) Moldenke
[syn = Lippia fastigiata Brandegee]
BCS endemic.
{BCs: M.E. Jones 27439 (MO 1034293)}
This very rare BCS endemic has only been collected once in our region at Triunfo in the Cape region by M.E. Jones on 6 Oct. 1930.
Ecoregions: CPL
Baja California Burroughsia; Damiana

*Citharexylum flabellifolium* S. Watson
{BCs: Turner 358 (SD 61202)}
This uncommon native shrub occurs from near Laguna San Ignacio south to the northern Cape region and on Carmen & Monserrat islands in the Gulf.
Ecoregions: VD, MAG
Baja California Burroughsia; Damiana

*Citharexylum roxanae* Moldenke
BCS endemic.
{BCs: A. Carter 5083 (SD 68620)}
This rare BCS endemic shrub occurs from the SSF in n BCS south to the c SGIG to the west of Loreto.
Ecoregions: CD, GIG
Giganta Fiddleneck

*Citharexylum scabrum* Moc. & Sessé ex D.Don
[syn = Citharexylum incanum D. Don]
{BCs: T.S. Brandegee s.n., 12 Oct 1893 (POM 71176)}
This very rare native shrub occurs in the Cape region of BCS and is only known from a couple of specimens in our region.
Ecoregions: CPL; Wider distr.: SON, SIN
Rough Fiddleneck

*Duranta erecta* L.
[In Wiggins as Duranta repens L.]
{BCs: Moran 7358 (SD 49945)}
This non-native shrub is often planted as an ornamental and has naturalized in the Cape region of BCS.
Ecoregions: CPL, CPM; Wider distrib.: Native to Caribbean coast of Mexico, se USA, Central & South America, introduced in SON & other parts of Mexico, tropical Africa, Asia, Australia

**SkyFlower, Pigeonberry; Garbanillo, Velo de Viunda**


**Glandularia bajacalifornica** (Moldenke) Umber

[In Wiggins as Verbena bajacalifornica Moldenke]

BCS endemic.

{BCS: A. Carter 5904 (UC 1525761)}

This very rare BCS endemic species occurs on the Magdalena plains near Ciudad Insurgentes.

Ecoregions: MAG

**BAJA CALIFORNIA MOCK VERBENA**

**Glandularia gooddingii** (Briq.) Solbrig


[In Wiggins as Verbena gooddingii Briq. var. gooddingii, Verbena gooddingii var. neptefolia Todestr.; syn = Verbena verna A. Nels.]

{BC: Rebman 3667 (SD 140910); BCS: M. Domínguez L. 2269 (SD 142069)}

This native species occurs in nw BC from the SJ south to San Quintín and the western side of the SSPM. It also ranges south into the CD region and is in the SLIB of s BC and the SSF & c SGIG of BCS.

Ecoregions: CSS, CHA, CMT, CSU, CD, GIG; Wider distrib.: SON, sw USA

**SOUTHWESTERN MOCK VERBENA**

**Glandularia lilacina** (Greene) Umber

[In Wiggins as Verbena lilacina Greene; syn = Verbena harbisonii Moldenke]


{BC: Moran 17123 (SD 76988)}

This rare BC endemic occurs on Cedros Island and on the Pacific coast of the peninsula from near Puerto San José to Santa Rosalilta in sw BC.

Ecoregions: PI (Cedros), CD

**CEDROS MOCK VERBENA**

**Glandularia setacea** (L.M. Perry) Umber

[In Wiggins as Verbena setacea L.M. Perry]

BC endemic.

{BC: Purpus 195 (POM 63919)}

This very rare BC endemic occurs in the CD region in the vicinity if Calmali in s BC.

Ecoregions: CD

**CALMALLI MOCK VERBENA**

**Glandularia shrevei** (Moldenke) Umber

[In Wiggins as Verbena shrevei Moldenke]

BCS endemic.

{BCS: M. Domínguez L. 2021 (SD 161901)}

This rare BCS endemic occurs in the s SGIG in the vicinity of Comondú in BCS.

Ecoregions: GIG

**SHREVE MOCK VERBENA**


*Lantana camara* L.

{BCs: Rebman 18480 (SD 202051)}

This non-native species is commonly planted as an ornamental and rarely naturalizes in our region but has been documented from a wet area at San José de Gracia in nw BCS.

Ecoregions: VD; Wider distrib.: Native to American tropics, West Indies, introduced in SON, SIN, n Mexico, se & sw USA

**LANTANA; CONFITUILLA NEGRA, CINCO NEGRITOS**

**Lantana hirsuta** M. Martens & Galeotti

[In Wiggins as Lantana scorta Moldenke]

{BCS: Moran 7388 (SD 49915)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico,

**CENTRAL AMERICA**

**WEST INDIAN SHRUB-VERBENA; CONFITURIA**

**Lantana horrida** Kunth

[In Wiggins as Lantana velutina M. Martens & Galeotti; syn = Lantana hispida Kunth]

{BC: Rebman 17338 (SD 194617); BCS: Turner 351 (SD 61209)}

This native species occurs in the SLIB of s BC and in the SSF, SGUAD, SGIG, & Cape region of BCS.

Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

**VELVET SHRUB-VERBENA; CONFITURILLA BLANCA, CONFITURIA, TO-RONJIL**

**Lippia carterae** (Moldenke) G.L. Nesom


[In Wiggins as Lippia alba (Mill.) N. E. Brown misappl.; syn = Lippia alba (Mill.) Britton & P. Wilson var. carterae Moldenke]

BCS endemic.

{BCS: A. Carter 3864 (SD 68622)}

This very rare BCS endemic is only known from the type specimen collected in the c SGIG.

Ecoregions: GIG

**CARTER LIPPIA; SALVIA REAL**

**Lippia formosa** Brandegee

BCS endemic.

{BCS: Moran 6979 (SD 50615)}

This BCS endemic species occurs mostly in the nw Cape region near Todos Santos. It should be noted that specimens from the s SGIG that are similar to this species may represent an undescribed taxon.

Ecoregions: GCD, GIG, CPL

**CAPE LIPPIA; ORÉGANO, OREGANÓN**

**Lippia palmeri** S. Watson

[In Wiggins as Lippia palmeri var. palmeri, Lippia palmeri var. spicata Rose; syn = Lippia palmeri f. spicata (Rose) Moldenke]

{BCS: A. Carter 2476 (SD 44573)}

This variable native shrub occurs throughout much of BCS from the SGUAD south to the Cape region. It also occurs on Magdalena & Santa Margarita islands in the Pacific and various Gulf islands.

Ecoregions: GCD, GIG, MAG; Wider distrib.: SON, SIN

**SONORAN ORÉGANO; ORÉGANO, ORÉGANO DEL MONTE**


**Phyla nodiflora** (L.) Greene var. *nodiflora*

[In Wiggins as Phyla incisa Sm.]

Status in CFP: 3.
This very rare BCS endemic species is only known from a couple of historical specimens collected at higher elevations in the SLL of the Cape region.

Ecoregions: CPM
CAPE VERVAIN

Verbena menthifolia Bentham


{BC: Moran 21824 (SD 91272); BCS: Rebman 1680 (SD 137015)}
This native species occurs in nw BC from Tijuana south to San Quintín and is disjunct to w BCS between Laguna San Ignacio and Bahía de Magdalena.

Ecoregions: CSS, CHA, CSU, NM, TX
MINT-LEAF VERVAIN; BERGUL

Verbena moranii G.L. Nesom

BC endemic. Status in CFP: 1B, 5.

{BC: Moran 23287 (SD 96865)}
This rare BC endemic species occurs in the southwestern foothills of the SJ & in the northwestern foothills of the SSPM in nw BC.

Ecoregions: CSS, CHA, SAN PEDRO MARTIR VERVAIN

Verbena officinalis (Benth.) I.M. Johnst. 1834


BC endemic. Status in CFP: 1B, 5.

{BC: Moran 13596 (SD 63433)}
This rare BC endemic species occurs at higher elevations in the SJ of nw BC.

Ecoregions: CMT
SIERRA JUAREZ VERVAIN

Verbena scabra Vahl

Status in CFP: 2B.

{BC: Wiggins 4766 (POM 213545); BCS: Rebman 18519 (SD 202748)}
This very rare native species has only been collected a few times in our region near the Santo Domingo River in nw BC and south of Laguna San Ignacio in nw BCS.

Ecoregions: CSS, SD, USA, West Indies
SANDPAPER VERVAIN

Violaceae


Hybanthus attenuatus (Humb. & Bonpl. ex Schult.) Schulze-Menz

{BC: León de la Luz 8417 (SD 140610)}
This native species occurs in nw BC from Tijuana south to San Quintín and is disjunct to w BCS between Laguna San Ignacio and Bahía de Magdalena.

Ecoregions: CSS, CHA, CSU, SD, MAG; Wider distrib.: SON, c Mexico, AZ, CA, NM, TX
MINT-LEAF VERVAIN; BERGUL

Hybanthus fruticosus (Benth.) I.M. Johnst. var. flavescens (Dowell) I.M. Johnst.


{BC: Moran 21824 (SD 91272); BCS: Rebman 1680 (SD 137015)}
This native species occurs in nw BC from Tijuana south to San Quintín and is disjunct to w BCS between Laguna San Ignacio and Bahía de Magdalena.

Ecoregions: CSS, CHA, CSU, NM, TX
MINT-LEAF VERVAIN; BERGUL
This very rare variety occurs in the SGUAD of n BCS. It differs from var. fruticosus by having olate stipules, smooth fruit & smooth seeds.
Ecoregions: GIG; Wider distrib.: SON

Sonoran Green-Violet

Hybanthus fruticosus (Benth.) I.M. Johnst. var. fruticosus
[In Wiggins as Hybanthus fruticosus (no variety); syn = Hybanthus peninsularis M.E. Jones, Hybanthus tenuifolius (Dowell) Standl., Calceolaria tenuifolia Dowell]
{BCS: A. Carter 5635 (SD 100368)}
This variety is rather common in s BCS and occurs from the c SGIG south to the Cape region.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN

Baja California Green-Violet

Hybanthus verticillatus (Ortega) Baill.
{BC: Rebmam 17212 (SD 194618); BCS: M. Domínguez L. 4358 (SD 235491)}
This rare native species occurs in the SLIB of s BC and in the SGIG & Cape region of BCS.
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, widespread in Mexico, AZ, CO, KS, NM, TX

Babyslippers

Ixchelia mexicana (Ging.) H.E. Ballard & Wahleit
{In Wiggins as Hybanthus mexicanus Ging.}
{BCS: M. Domínguez L. 297 (SD 140609)}
This rare native species occurs mostly in the SLL of BCS & rarely in other mountains of the Cape region.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

Mexican Green-Violet; Jarial

Viola pedunculata Torr. & A. Gray
Status in CFP: 4.
{BC: Moran 30479 (SD 111369)}
This rare native species occurs in extreme nw BC from Tijuana & the n SJ south to San Quintin.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: CA

Johnny Jump Up

Viola purpurea Kellogg subsp. purpurea
{In Wiggins as Viola purpurea (no subspecies)}
Status in CFP: 2A.
{BC: Moran 27481 (SD 103500)}
This rare native species occurs in the SJ of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA, OR

Mountain Violet

Viscaceae

Arceuthobium campylopodum Engel.
[In Wiggins as Arceuthobium divaricatum Engelm.; syn = Arceuthobium abietinum (Engelm.) Hawksw. & Wiens, Arceuthobium californicum Hawksw., & Wiens]
Status in CFP: 2B.
{BC: Moran 29300 (SD 106316)}
This native parasite occurs in the upper foothills & mountains of the SJ & SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: w USA & w Canada

Western Dwarf Mistletoe; Toi

Phoradendron bollemanum (Seem.) Eichler
[In Wiggins as Phoradendron bollemanum subsp. densum (Torr. ex Trel.) Wiens, Phoradendron bollemanum subsp. puciflorum (Torr.) Wiens; syn = Phoradendron densum Torr. ex Trel., Phoradendron guadalupense Trel.]
{BC: Rebmam 3276 (SD 139449)}
This uncommon native parasite occurs mostly on Juniperus and ranges from the SJ & SSPM in n BC south to the SASAM & SBOR in s BC. It was historically documented on Guadalupe Island but has not been seen since 1887 on that island.
Ecoregions: CHA, CMT, PI (Guadalupe), CD; Wider distrib.: SON, SIN, n Mexico, AZ, CA, OR

Dense Mistletoe; Toi

Phorodendron brachystachyrum (DC.) Kuijt
[In Wiggins as Phorodendron digueutianum Van Tieghem; syn = Phorodendron eduardii Trel., Phoradendron peninsulare Trel., Phorodendron riberei Wiggins, Phorodendron tumidum Trel., Phoradendron aureum Trel., Phorodendron brachyphyllum Trel., Phorodendron saccatum Trel.]
{BC: Moran 9742 (SD 60536); BCS: Rebmam 3500 (SD 140905)}
This uncommon native parasite occurs from the SBOR & SLIB in s BC south throughout BCS to the Cape region. It also occurs on Magdalena & Santa Margarita islands in the Pacific and on a few southern Gulf islands.
Ecoregions: CD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico

Short-Spike Mistletoe; Toi, Injerito, Muérdago

Phoradendron californicum Nutt.
Status in CFP: 2B.
{BC: Kuijt 3149 (SD 70872); BCS: Rebmam 7637 (SD 157878)}
This common native parasite occurs throughout much of the peninsula from near Ojos Negros in nw BC & Mexicali in ne BC south to the Cape region. It also occurs on a few adjacent Gulf islands.
Ecoregions: CHA, CMT, LCD, CD, GD, GCC, GIG, CPL; Wider distrib.: SON, sw USA

Desert Mistletoe; Toi de Mezquite, Toi, Injerito, Muérdago

Phorodendron juniperinum A. Gray
[In Wiggins as Phorodendron juniperinum subsp. libocedri (Engelm.) Wiens; syn = Phorodendron libocedri (Engelm.) Howell]
Status in CFP: 2B.
{BC: Moran 29291 (SD 106297)}
This very rare native parasite occurs on Calocedrus decurrens in n BC. It differs from Phorodendron juniperinum subsp. densum (Torr. ex Trel.) Wiens, Phoradendron densum Torr. ex Trel., Phoradendron guadalupense Trel.
Ecoregions: CHA, CMT, PI (Guadalupe), CD; Wider distrib.: SON, SIN, n Mexico, AZ, CA, OR

Juniper Mistletoe, Incense-Cedar Mistletoe; Toi

{In Wiggins as Phoradendron tomentosum (DC.) A. Gray subsp. macrophyllum (Engelm.) Wiens; syn = Phoradendron serotinum (DC.) Kuijt, Phoradendron macrophyllum (Engelm.) Cockerell]
{BC: Moran 25168 (SD 98371)}
This uncommon native parasite occurs in nw BC from near Tijuana & Tecate south to the vicinity of San Quintín & the western foothills of the SSPM.

Ecoregions: CSS, CHA, CSU; Wider distrib.: SON, n Mexico, sw USA & TX

BIG-LEAF MISTLETOE; TOI


[In Wiggins as Phoradendron villosum (Nutt.) Engelm. subsp. villosum; syn = Phoradendron tomentosum (DC.) A. Gray subsp. tomentosum, Phoradendron coeruva (Raf.) M.C. Johnst. subsp. tomentosum (DC.) Kjuit, Phoradendron coryeae Trel.]

{BC: Moran 22107 (SD 91557); BCS: R. Domínguez C. 1602 (SD 139873)}

This uncommon native parasite occurs mostly on Quercus and ranges from the SJ & SSPM in n BC south to the SASAM & SLB in s BC & is disjunct to the SLL of BCS.

Ecoregions: CHA, CMT, CSU, CD, CPM; Wider distrib.: SON, widespread in Mexico, sw USA & TX

OAK MISTLETOE; TOI

Vitaceae

Cissus mexicana DC.

[syn = Cissus mayeensis Gentry]

{BCS: Rehman 4315 (SD 141543)}

This very rare native vine occurs in the SGUAD of n BCS.

Ecoregions: GIG; Wider distrib.: SON, SIN, w Mexico

MEXICAN TREEBINE

Cissus trifoliata (L.) L.

{BC: Mudie 961 (SD 93965)}

This uncommon native vine occurs in s BCS from the s SGIG to the Cape region.

Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, s USA, West Indies, Central & South America

SORRELVINE, IVY TREEBINE; TRIPA DE AURA, HIERBA DE BUEY

Parthenocissus inserta (A. Kern.) Frisch

[syn = Parthenocissus vitacea (Knerr) Hitchc., Parthenocissus inserta var. laciniana (Planch.) Rehder]

{BCS: M. Domínguez L. 303 (HCB 9328)}

This very rare native vine occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in USA

WOODBINE; PARRA

Vitis girdiana Munson

Status in CFP: 4.

{BC: Moran 25637 (SD 100280); BCS: A. Carter 4096 (RSA 351322)}

This uncommon native species occurs mostly in nw BC from Ensenada & San Quintín up to the SSPM and also in the SLB of s BC & is disjunct to the s SGIG of BCS.

Ecoregions: CSS, CHA, CMT, CSU, CD, GIG; Wider distrib.: sw USA

DESERT WILD GRAPE; PARRA CIMARRONA

Vitis peninsularis M.E. Jones

BCS endemic.

{BCS: Moran 7436 (SD 49894)}

This rare BCS endemic vine occurs in the SLL.

Ecoregions: CPM

PENINSULAR WILD GRAPE; ÚVA CIMARRONA, PARRA CIMARRONA, PARRA

*Vitis vinifera L.*

{BCS: Rehman 8144 (SD 138335)}

This non-native species is commonly cultivated throughout the peninsula but is known to escape & hybridize with V. girdiana in the SSF & SGIG of BCS.

Ecoregions: CD, GIG; Wider distrib.: Native to Europe, introduced & rare in USA

CULTIVATED GRAPE, WINE GRAPE; PARRA

Ximeniaceae

Ximenia glauca (DeFilipps) Bentoul

{In Wiggins as Ximenia parviflora Benth. var. glauca DeFilipps}

BCS endemic.

{BC: R. Domínguez C. 2166 (SD 146834)}

This rare BCS endemic shrub occurs in the s SGIG & Cape region of BCS. Note that some specimens are quite pubescent and may represent another taxon but more taxonomic work is needed. This genus was previously recognized in the Olacaceae.

Ecoregions: GIG, MAG, CPL

GLACIOUS XIMENIA

Zygophyllaceae

Fagonia californica Benth.

{In Wiggins as Fagonia barclayana (Benth.) Rydb.; syn = Fagonia californica var. hindsiana Benth., Fagonia californica var. barclayana Benth., Fagonia insularis Standl., Fagonia rosea Standl., Fagonia longipes Standl., Fagonia californica Benth. subsp. longipes (Standl.) R.S. Felger & C.H. Lowe}

{BC: C. Davidson 2036 (SD 90884)}

This uncommon species is highly variable and occurs throughout much of BCS from Mulegé south to the northwestern Cape region. It also occurs on Magdalena & Santa Margarita islands in the Pacific and on various Gulf islands. This taxon in the USA needs more taxonomic research.

Ecoregions: GCD, GIG, MAG, CPL; Wider distrib.: SON, AZ, CA

CALIFORNIA FAGONIA, CALIFORNIA FAGONIBUSH; ROSA DE CASTILLA, CIMARRONA

Fagonia densa I. M Johnst.

{BC: Moran 10368 (SD 54345)}

This species is a near-endemic to BC with one population known to occur in the Gran Desierto in northwestern SON. In our region it ranges from near Puertecitos in ne BC south to the vicinity of Bahía de Los Angeles in se BC. It also occurs on the Gulf islands of Angel de la Guarda & San Lorenzo.

Ecoregions: LCD, CD, GCD, GIG, CPL; Wider distrib.: SON (Sierra del Rosario)

SHRUBBY FAGONIA, SHRUBBY FAGONIBUSH

Fagonia laevis Standl.

[syn = Fagonia californica var. laevis (Standl.) L.D. Benson, Fagonia californica Benth. subsp. laevis (Standl.) Wiggins, Fagonia chilensis Hook. & Arn. var. laevis (Standl.) I.M. Johnst.]

Status in CFP: 2B.

{BC: Moran 19335 (SD 84428); BCS: Moran 8976 (SD 66522)}

This native species occurs from the lower eastern slopes of the SJ in ne BC south to Bahía Concepción & Laguna San Ignacio in n BCS. It also occurs rarely in nw BC between Ensenada & Tecate

SHRUBBY FAGONIA, SHRUBBY FAGONIBUSH

Fagonia hindsiana Benth. var. hindsiana Benth.

{In Wiggins as Fagonia californica var. hindsiana Benth.}

Status in CFP: 4.

{BC: Moran 10818 (SD 44415); BCS: A. Carter 3996 (RSA 351322)}

This uncommon native species occurs mostly in nw BC from near Tijuana south to the vicinity of Ensenada & San Quintín & in the western foothills of the SSPM.

Ecoregions: CSS, CHA, CMT, CSU, SD, GIG; Wider distrib.: SON, n Mexico, sw USA & TX

BUTTERCUP FAGONIA, CRISP FAKE CHINCHILLA; PARRA CIMARRONA
and in the vicinity of San Quintín & on Cedros & Natividad islands in the Pacific.

Ecoregions: CSU, PI (Cedros, Natividad), LCD, CD, VD, GCD; Wider distrib.: SON, sw USA

**Smooth Fagonia, Smooth Fagonbush**

**Fagonia pachyantha** Rydb.

[syn = Fagonia californica Benth. subsp. pachyantha (Rydb.) Wiggins, Fagonia californica Benth. var. glutinosa Pringle ex Vail, Fagonia viscosa Rydb.]

{BC: Beier 103 (SD 144804); BCS: Moran 19820 (SD 92782)}

This native species occurs from the lower eastern slopes of the SJ in ne BC south mostly along the eastern side of the peninsula to Carmen Island in the Gulf. It also occurs in the VPEN of nw BCS & rarely in the extreme northern MAG region and on Ángel de la Guarda Island in the Gulf.

Ecoregions: LCD, CD, VD, GCD, MAG; Wider distrib.: SON, CA, AZ

** Sticky Fagonia, Sticky Fagonbush**

**Fagonia palmeri** Vasey & Rose

{BC: Moran 11563 (SD 59596); BCS: M. Domínguez L. 3051 (SD 151759)}

This near-endemic species occurs from extreme se BC near El Barrial south to the vicinity of Mulegé & is disjunct to near Cerro Mechudo in the extreme s SGIG. It also occurs on San Marcos & Tiburon islands in the Gulf.

Ecoregions: GCD, GIG; Wider distrib.: SON (Tiburón Island)

** Palmer Fagonia, Palmer Fagonbush**

**Fagonia villosa** D. M. Porter

LC endemic.

{BC: Moran 28095 (SD 105839); BCS: Moran 20102 (SD 92783)}

This uncommon species is endemic to our region and ranges from near Miller’s Landing in sw BC south to the Cape region of BCS.

It also occurs on Santa Margarita Island in the Pacific and on San Francisco & Espíritu Santo islands in the Gulf.

Ecoregions: VD, GCD, GIG, MAG, CPL

**Peninsular Fagonbush**

**Guaiacum unijugum** Brandegee

BCS endemic.

{BCS: Pérez Navarro 1288 (SD 146743)}

This very rare BCS endemic shrub occurs in the extreme southern Cape region between Cabo San Lucas and Cabo Pulmo.

Ecoregions: CPL

**Cape Lignum Vitae; guayacán, palo santo**


**Kallstroemia californica** (S. Watson) Vail

[syn = Kallstroemia brachystylis Vail, Kallstroemia californica var. brachystylis (Vail) Kearney & Peebles]

{BC: Moran 24860 (SD 98241); BCS: Rebmam 7633 (SD 157876)}

This common native species occurs in desert areas from ne BC south to the Cape region of BCS.

Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, sw USA; Central America

**California Caltrop; pelia gallina, golondrina, baiburín, Mal de Ojo**

**Kallstroemia hageri** Rebmam ined.

LC endemic.

{BC: Rebmam 25097 (SD 223624); BCS: Rebmam 6089 (SD 144594)}

This recently described species is endemic to our region and occurs from the SLIB in s BC south to the s SGIG. It is similar to *K. peninsularis* in having retrorse stem pubescence, but differs by having much smaller flowers & a shorter-beaked fruit.

Ecoregions: CD, GIG

**Hager Caltrop**

**Kallstroemia maxima** (L.) Hook. & Arn.

{BCS: Rebmam 7564 (SD 183085)}

This rare native species occurs in the vicinity of Loreto in e BCS.

Ecoregions: GCD; Wider distrib.: SIN, widespread in Mexico, se USA & TX, West Indies, Central America

** Big Caltrop**

**Kallstroemia parviflora** Norton

{BC: Moran 24767 (SD 98289)}

This rare native species occurs in the vicinity of San Mateos & in n BC.

Ecoregions: LCD; Wider distrib.: SON, SIN, n Mexico, sw & sc USA

**Warty Caltrop; golondrina, torito**

**Kallstroemia peninsularis** D.M. Porter

BCS endemic.

{BC: Moran 19029 (SD 80272)}

This BCS endemic species occurs from the s SGIG & the southern MAG region south to the Cape region.

Ecoregions: GCD, GIG, MAG, CPL

**Baja California Caltrop; pelia gallina**

**Larrea tridentata** (DC.) Coville var. arenaria L.D. Benson

[syn = Larrea divaricata Cav. subsp. tridentata (DC.) Lowe & Felger var. arenaria (L.D. Benson) Felger]

{BC: Felger 06-18a (SD 191722)}

This rare dune endemic variety occurs on the southern end of the Algodones Dunes just east of Mexicali along the USA/Mexico border. It differs from var. tridentata by having a taller, more erect habit, and smaller leaves & flowers.

Ecoregions: LCD; Wider distrib.: SON, se CA

**Dune Creosote Bush; Gobernadora, Hediondilla**


[syn = Larrea divaricata Cav. subsp. tridentata (DC.) Lowe & Felger, Larrea mexicana Moric.]

{BC: Moran 19496 (SD 84429); BCS: Roberts 4522 (SD 164408)}

This common desert shrub occurs from ne BC south to the northern Cape region near La Paz.

Ecoregions: CMT, CSU, LCD, CD, VD, GCD, GIG, MAG; Wider distrib.: SON, n & c Mexico, sw USA

**Creosote Bush, Greasewood; Gobernadora, Hediondilla**

**Morkillia mexicana** (DC.) Rose & Painter

{BCS: L. Constance 3140 (MO 1612487)}

This rare non-native species is rarely planted as an ornamental and has naturalized in a wet canyon near Cadajé in nw BCS.

Ecoregions: VD; Wider distrib.: Native to c Mexico

**Coyote Mantle; Manto de Coyote**

**Tribulus cistoides** L.

{BCS: James Hendrickson 2044 (RSA 207838)}

This rare native species occurs in disturbed habitats and beaches in the vicinity of La Paz and in the southern Cape region of BCS. Note

Agave azurea R.H. Webb & G.D. Starr
This rare BC endemic species occurs only in the Picachos de Santa Clara in nw BCS. This species is similar to A. viscainoensis, but was determined as A. sebastiana & A. gigantensis by earlier collectors and appears to have some significant differences from all of these regional Agave species.
Ecoregions: VL SANTA CLARA AGAVE

Angiosperms: Monocots

Agavaceae (sometimes included in an expanded Asparagaceae)

Agave aurea Brandegee
BCS endemic.

Agave avellanidens Trel.
BC endemic.

Agave capensis Gentry

Agave cerulata Trel. subsp. cerulata
LC endemic.

Agave cerulata Trel. subsp. nelsonii (Trel.) Gentry

Agave datylio Simón ex Weber var. datylio
BCS endemic.
Agave datylio Simon ex Weber var. vexans I.M. Johnst.
[BCS: Hastings 377 (SD 61241)]
This BCS endemic occurs mostly at lower elevations on both sides of the SGIG. Not recognized as a good taxon by Webb & Starr (2015).
Ecoregions: GCD, GIG, MAG

Sword agave; mezcalillo
Agave deserti Engelm. subsp. deserti [syn = Agave consociata Trel.]
{BC: Turner 6 (SD 65645)}
This native subspecies occurs in ne BC in the low desert and in the desert transition areas of the SJ & SSPM. Recognized at the species level without infraspecies by Webb & Starr (2015).
Ecoregions: CMT, LCD; Wider distrib.: SON, AZ, CA

Desert agave; mezcal, maguey
Agave deserti Engelm. subsp. pringlei (Engelm. ex Baker) Gentry [syn = Agave pringlei Engelm. ex Baker, Agave deserti var. pringlei (Engelm. ex Baker) W.C. Hodgs. & Reveal]
BCS endemic. Status in CFP: 1B, 5.
{BC: Rebman 2674 (SD 137351)}
This BC endemic subspecies occurs mostly in the San Matías Pass area & in the s SJ & n SSPM. Recognized at the species level by Webb & Starr (2015).
Ecoregions: CHA, CMT, LCD

Giganta agave; lechuguilla, mezcal
Agave gigantensis Gentry
BCS endemic.
{BCS: Rebman 5689 (SD 142839)}
This BC endemic species occurs from the SGUAD to the vicinity of Loreto in the c SGIG.
Ecoregions: GIG

Santa margarita agave; mescal
Agave moranii Gentry
{BC: Moran 25628 (SD 100266)}
This BC endemic species occurs only on Santa Margarita & Magdalena islands.
Ecoregions: MAG

Agave sobria Brandegee
[syn = Agave ocornchaetodon Trel., Agave pachyacantha Trel.]
Ecoregions: CHA, CMT, LCD

Agave moranii x A. pringlei
BC endemic.
{BC: Moran 15256 (SD 68088)}
This uncommon hybrid is known to occur where the ranges of the parent species overlap on the northern side of the SSPM.
Ecoregions: CHA

Agave promontorii Trel.
[syn = Agave aurea Brandegee subsp. promontorii (Trel.) R.H. Webb & G.D. Starr]
BCS endemic.
{BCS: Moran 7451 (SD 49955)}
This rare BCS endemic only occurs at the higher elevations in the SLL. Recognized as a subspecies of A. aurea by Webb & Starr (2015).
Ecoregions: CPM

La Laguna agave; lechuguilla, mezcal
Agave sobria Brandegee subsp. frailensis Gentry
{C.F. Harbison s.n., 7 Apr 1962 (SD 80908)}
This BCS endemic subspecies occurs mostly in the SGIG and adjacent Gulf islands, but also rarely in the vicinity of La Paz. According to Webb & Starr (2015), this subspecies may include at least three undescribed taxa in the SGIG region.

Ecoregions: GCD, GIG

**BAJA CALIFORNIA AGAVE; LECHUGUILLA, MESCAL PARDO, PARDO**

**Agave turneri** R.H. Webb & J.M. Salazar


BC endemic.

{BC: Rebman 3795 (SD140536)}

This rare BC endemic species occurs in ne BC in the vicinity of the Sierra Cucapa near Mexicali.

Ecoregions: LCD

TURNE AGAVE

**Agave vizzainoensis** Gentry

BCS endemic. Listed: NOM Pr.

{BCS: Moran 25266 (SD 101189)}

This BCS endemic species occurs in the VPEN, especially in the SVIZ.

Ecoregions: VD

VIZCAINO AGAVE

**Chlorogalum parviflorum** S. Watson

Status in CFP: 2A.

{BC: Moran 23354 (SD 96856)}

This uncommon native species occurs in extreme nw BC and the genus was recognized in the Hyacinthaceae until recently.

Ecoregions: CSS, CHA; Wider distrib.: CA

SMALL-FLOWER SOAP PLANT; AMOLE

**Hesperocallis undulata** A. Gray

{BC: Moran 14816 (SD 68503)}

This native bulb occurs in ne BC from the USA/Mexico border south to the vicinity of Bahía Luis Gonzaga. This genus was previously recognized in the Liliaceae in Wiggins (1980).

Ecoregions: LCD; Wider distrib.: SON, AZ, CA, NV

DESERT LILY; AJO LILY; AJO SAVANSA


**Hesperoyucca peninsularis** (McKelvey) Clary


{BC: Moran 19503 (SD 84315); BCS: Moran 23833 (SD 95421)}

This peninsular endemic species occurs commonly in the CD region and ranges from just north of El Rosario south to the SSF in n BCS.

Ecoregions: CSU, PI (Cedros), CD, VD, MAG

BAJA CALIFORNIA TREE YUCCA; DATILILLO, DATIL

**Yucca capensis** L.W. Lenz


BCS endemic.

{BCS: Burgess 6255 (SD 116858)}

This BCS endemic species occurs only in the Cape region.

Ecoregions: MAG, CPL, CPM

CAPY YUCCA; DATILILLO, DATIL DE MONTE

**Yucca schidigera** Orgtis

[syn = *Yucca macrocarpa* Merriam non Engel., *Yucca mohavensis* Sarg., *Yucca californica* Nutt. ex Baker]

Status in CFP: 2B.

{BC: Moran 20830 (SD 88961)}

This species occurs in n BC from the USA/Mexico border south to the vicinity of San Agustín in the northern CD region.

Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: AZ, CA, NV, UT

MOJAVE YUCCA, SPANISH DAGGER; DATILILLO, DATIL DE MONTE

**Yucca valida** Brandegee

LC endemic.

{BC: D.F. Howe s.n., 25 Sep 1964 (SD 60918); BCS: Moran 8466 (SD 54508)}

This common peninsular endemic occurs from near El Rosario south to the vicinity of Ciudad Constitución, and on Cedros Island.

Ecoregions: CSU, PI (Cedros), CD, VD, MAG

BAJA CALIFORNIA TREE YUCCA; DATILILLO, DATIL

**Alliaceae**

**Alisma triviale** Pursh

[syn = *Alisma plantago-aquatica* L. misappl.]

Status in CFP: 2B.

{BC: R.F. Howe s.n., 25 Sep 1964 (RSA 344350)}

This rare native species grows in wetlands and is only known from one historical specimen at Laguna Hanson in the SJ of n BC.

Ecoregions: CMT; Wider distrib.: widespread in USA & Canada, Eurasia

WATER-PLANTAIN


**Echinodorus berteroi** (Spreng.) Fassett

{BCS: Moran 20116 (SD 92879)}

This uncommon native occurs in wetlands throughout BCS and is expected in n BC, but not yet documented from there.

Ecoregions: VD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, c & sw USA, South America

BURREAD

**Echinodorus cordifolius** (L.) Griseb.

[syn = *Alisma cordifolia* L.]

Listed: NOM A.

{BCS: Pile 912 (UC)}

This rare species was reported by Lenz based on a specimen from the Cape region of BCS. This specimen needs to be verified.

Ecoregions: CPL; Wider distrib.: Rare in Mexico, se USA, South America

CREEPING BURREAD

**Alliaceae**

**Allium eurtophiicum** Wiggins

BC endemic. Status in CFP: 1B, 5.
This BC endemic bulb species occurs only at higher elevations in the SSPM.

**Ecoregions: CMT**

**SAN PEDRO MARTIR ONION**

*Allium fimbriatum* S. Watson var. *fimbriatum*

Status in CFP: 2A.

*BC: Moran 30631 (SD 110725)*

This rare bulb species occurs in the extreme n SJ near the USA/Mexico border.

**Ecoregions: CMT; Wider distrib.: CA**

**DESSERT ONION; CEBOLLIN**

*Allium gracile* (Aiton) Stearn

*syn = Nothoscordum fragrans Ventenat*

*BCS: M. Domínguez L. 2710 (SD 189139)}

{BCS: M. Domínguez L. 2710 (SD 189139)}

This rare non-native bulb is apparently naturalized in the Cape region. Specimens need to be verified to make sure that they are this species.

**Ecoregions: CPM; Wider distrib.: Native to South America, introduced in CA & se USA**

**YELLOW FALSE-GARLIC**

*Tulbaghia violacea* Harv.

*BC: A. Rodríguez s.n., 15 Apr 1982 (SD 110742)*

This non-native species is commonly planted and rarely naturalizes but it has escaped in extreme nw BC along the Pacific coast in the vicinity of Rosarito.

**Ecoregions: CSS; Wider distrib.: Native to s Africa, introduced in Mexico, TX**

**SOCIETY GARLIC; ZORILLO**

## Amaryllidaceae

**Crinum erubescens** Aiton

*BCS: A.J. Gilmartin 2016 (WS)*

This non-native species was reported by Lenz from the mission at San José del Cabo in BCS, but it is unclear whether this is a naturalized occurrence or not.

**Ecoregions: CPL; Wider distrib.: Native to s Mexico, Central & South America**

**SWAMP-LILY**


*Habranthus arenicola* (Brandegee) Flagg, G. Lom. Sm., & Meerow

*syn = Zephyranthes arenicola Brandegee*

**LC endemic.**

*BC: Turner 185 (SD 65635); BCS: Moran 9148 (SD 66793)}

This rare species is endemic to our region, has yellow flowers, and occurs from near Punta Prieta in sw BC south to Bahía de Magdalena in BCS. It also occurs on Santa Margarita Island in the Pacific, and on Carmen & Santa Catalina islands in the southern Gulf.

**Ecoregions: WD, GCD, MAG**

**BAJA CALIFORNIA RAIN-LILY**

*Habranthus longifolius* (Hemsl.) Flagg, G. Lom. Sm., & Meerow

*In Wiggins as Zephyranthes longifolia Hemsl.; syn = Atamosco longifolia (Hemsl.) Cockerell*

**BS: Turner 129 (SD 92252); BCS: Hodgson 9564 (SD 145222)**

This rare native species has yellow flowers and occurs from near Punta Prieta in sw BC south to the vicinity of Bahía de Magdalena in w BCS.

**Ecoregions: CD, OR, NM, TX**

**COOPER ZEPHYR LILY, PLAINS RAIN-LILY; CEBOLLA DE MAYO**

## Araceae

*Colocasia esculenta* (L.) Schott

*BCS: R. Routson 36 (HCIB 26519)*

This non-native perennial is planted as a crop in BCS and rarely naturalizes in the Cape region.

**Ecoregions: CPL; Wider distrib.: Native to Malaysia, introduced in SON, scattered in Mexico, se USA, Central & South America, Asia, Africa, & Australia**

**WILD TARGO, ELEPHANT’S EAR**

The genus *Lemna* was previously recognized in its own family Lemnaceae.

**Lemna aequinoctialis** Welw.  
[syn = *Lemna paucicostata* Hegelm., *Lemna trinervis* (Austin); Small, *Lemna angolensis* Welw. ex Hegelm.]  
{BC: Hodgson 8173 (SD 138445)}  
**This rare aquatic is only known from a couple of specimens in **BCS** **in the SSF and near Cabo San Lucas.**  
Ecoregions: CD, CPL; Wider distrib.: SON, SIN, scattered in Mexico, sw & se USA, Central & South America, s Eurasia, Africa, Australia  
LESSER DUCKWEED; LAMA

**Lemna minor** L.  
{BC: Moran 27797 (SD 103358); BCS: M.E. Jones 27009 (POM 191235)}  
**This uncommon aquatic occurs mostly in nw BC, but also in the Cape region near Cabo San Lucas.**  
Ecoregions: CSS, CHA, CMT, CPL; Wider distrib.: SON, rare in Mexico, w USA, South America, Eurasia, Africa  
COMMON DUCKWEED; LENTEILLA

**Lemna minuta** Kunth  
{BC: Moran 29306 (SD 106358); BCS: J. Pérez Navarro 455 (HCIB 17436)}  
**This uncommon aquatic occurs mostly in nw BC and rarely in the SGIG of BCS.**  
Ecoregions: CSS, CHA, CMT, CSU, GIG; Wider distrib.: SON, rare in n Mexico, widespread in USA & Canada, w Eurasia, Africa  
LEAST DUCKWEED; LAMA

**Lemna trisulca** L.  
Listed: NOM Pr.  
{BC: Moran 14448 (SD 79514)}  
**This uncommon aquatic occurs in the higher elevations and western foothills of the SSSP in nw BC.**  
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: Widespread in USA & Canada, nearly worldwide  
STAR DUCKWEED

**Lemna valdiviana** Phil.  
{BC: Wiggins 4751 (POM 213423); BCS: M.E. Jones 27610 (POM 192526)}  
**This rare aquatic is only known from a few specimens in our region near Colonet & in the SLL of the Cape region.**  
Ecoregions: CSU, CPM; Wider distrib.: Uncommon in c Mexico, widespread in USA, Central & South America  
VALDIVIA DUCKWEED

*Pistia stratiotes* L.  
{BCS: Mudie 962 (SD 93979)}  
**This rare non-native perennial occurs in wetlands in the eastern Cape region.**  
Ecoregions: CPL; Wider distrib.: Probably native to Africa, introduced in SIN, widespread in Mexico, se USA, Central & South America, a pantropical weed of fresh water wetlands  
WATER-LETTUCE, WATER-CABBAGE

**Arecaceae**

**Brahea armata** S. Watson  
{BC: Wiggins as Erythea armata (S. Watson) S. Watson}  
{BC: Rebman 3782 (SD 139738); BCS: J. Delgadillo s.n., 10 Nov 987 (BCMEX 3366)}  
**This common endemic tree occurs mostly in oases of the CD region, but also ranges from the eastern side of the SJ south to the SSF and on Ángel de la Guarda Island.** It should be noted that plants in the SSF are a bit different and may represent another species.  
Ecoregions: CHA, CMT, CSU, LCD, CD  
BLUE HESPER PALM, MEXICAN BLUE PALM, BLUE FAN PALM; PALMA AZUL, PALMA CENIZA

**Brahea brandegeei** (Purpus) H.E. Moore  
{BC: Wiggins as Erythea brandegeei Purpus}  
BCS endemic.  
{BC: León de la Luz 7534 (SD 149100)}  
**This BCS endemic tree occurs mostly in the Cape region, but may range as far north as the SSF. Plants in the SSF & SGUAD of nw BCS & in Sonora may likely represent a different species.**  
Ecoregions: CD, GIG, CPL, CPM  
BRANDEGEE FAN PALM; PALMILLA, PALMILLA DE TACO, PALMA DE TLA-CO, PALMA COLORADO

**Brahea edulis** H. Wendl. ex S. Watson  
{BC: Wiggins as Erythea edulis (H. Wendl. ex S. Watson) S. Watson}  
BC endemic. Status in CFP: 1B, 5; Listed: NOM Pr.  
{BC: Rebman 6805 (SD 154651)}  
**This BC endemic occurs only on Guadalupe Island.**  
Ecoregions: PI (Guadalupe)  
GUADALUPE PALM; PALMA DE GUADALUPE, PALMA DE ABANICO DE GUADA-LUPE

*Phoenix canariensis* Chabaud  
{BC: Steve Boyd 5669 (RSA 572742)}  
**This non-native tree is commonly planted in nw BC and is expected to naturalize in that region, but specimens are rarely made of this species.**  
Ecoregions: GCD; Wider distrib.: Native to Canary Islands, introduced in CA, FL, Europe  
CANARY ISLAND DATE PALM

*Phoenix dactylifera* L.  
{BCS: T.S. Elias 10815 (SD 79534)}  
**This non-native tree is commonly planted in BCS and has naturalized in many oases. It is to be expected in BC, but specimens of this species are rare.**  
Ecoregions: VD, GCD, GIG, MAG; Wider distrib.: Native to Old World, introduced in SON, AZ, CA, cultivated worldwide  
DATE PALM; DÁTIL, DATILERA

**Sabal ursana** Trel.  
Listed: NOM Pr.  
{BCS: A. Medel N. 2012-204 (HCIB 28086)}
This native tree was recently discovered in a canyon population near Loreto in BCS, but these specimens need to be verified.

**Hechtia gayium** (Maguey Cillo, MeScalito, Datillo, SaValia, MejicCalillo)  
**Sonoran Palmetto**  
[syn = Brahea filifera (André) S. Watson]  
{BC: Moran 25147 (SD 98332); BCS: Sara Díaz Castro s.n., 10 Nov 1994 (HCIB 51215)}  
This rare BCS endemic species occurs in the southern Cape region {BCS (HCIB 23414)} of BCS endemic.  
{syn = Hechtia gayii (incorrect epithet)}  
**Hechtia gayorum**  
Ecoregions: CPL  
West of San José del Cabo.  
This rare BCS endemic species occurs in the southern Cape region {BCS (HCIB 23414)} of BCS endemic.  
{syn = Aloe barbadensis Mill.}  
**Aloe Vera, Barbados Aloe; SáBila**  
Introduced in SON, scattered in Mexico, FL, TX  
Ecoregions: GCD, CPL; Wider distrib.: Originating in n Africa, introduced in BCS, especially in the Cape region.  
This uncommon non-native species is commonly planted and naturally in the vicinity of Ensenada.  
Ecoregions: CSS; Wider distrib.: A commonly planted cultivar that has naturalized in se USA  
**Canna-Lily**  
**Asparagus officinalis** L. subsp. officinalis  
{BC: Moran 22564 (SD 91830)}  
This non-native species is commonly planted as a crop and rarely naturalizes in nw BC.  
Ecoregions: CSS, CSU; Wider distrib.: Native to Europe, introduced in SON, widespread in USA & Canada  
**Garden Asparagus, Common Asparagus; Espárragos**  
**Callisia monandra** Sw., Callisia scopulorum Brandegee, Leptocallisia monandra (Sw.) H.E. Moore; syn = Trades-Callisia monandra Sw., Callisia scopulorum Brandegee, Leptocallisia monandra (Sw.) H.E. Moore  
**Canna-lily**  
{BC: León de la Luz 2800 (SD 223628); BCS: León de la Luz 2800 (SD 223628)}  
This very rare native species occurs at higher elevations in the SLL of BCS.  
Ecoregions: CPL  
**Tillandsia ferrisiana** L.B. Sm.  
BCS endemic.  
{BC: Pérez Navarro 1380 (SD 147290)}  
This rare BCS endemic epiphyte occurs on the lower western slopes of the SLL.  
Ecoregions: CPL  
**Ferris Tillandsia; Gallitos**  
**Callisia recurvata** L.  
{syn = Renealmia recurvata L., Diaphoranthema recurvata (L.) Beer}  
{BC: Hodgson 8246 (SD 138448); BCS: Cuauhtemoc Leom (SD 136236)}  
This common native epiphyte occurs in fog zones and humid habitats from the vicinity of Yubay in s BC south to the Cape region of BCS.  
Ecoregions: CD, VD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, NM, TX, Central & South America  
**Ball Moss, Tillandsia; Heno Pequeño, Gallitos**  
**Cannaceae**

**Canna generalis** L.H. Bailey & E.Z. Bailey  
{BC: Moran 29246 (SD 106125)}  
This ornamental hybrid between C. glauca & C. indica is frequently planted and is known to naturalize in the vicinity of Ensenada.  
Ecoregions: CSS; Wider distrib.: A commonly planted cultivar that has naturalized in se USA  
**Canna-Lily**  
**Cannaceae**

**Asphodelaceae**

**Aloe vera** (L.) Burm.f.  
[syn = Aloe barbadensis Mill.]  
{BCS: Sanders 6369 (SD 126136)}  
This uncommon non-native species is commonly planted and naturalizes in BC, especially in the Cape region.  
Ecoregions: GCD, CPL; Wider distrib.: Originating in n Africa, introduced in SON, scattered in Mexico, FL, TX  
**Aloe Vera, Barbados Aloe; SáBila**  
**Bromeliaceae**

**Hechtia gayium** L.W. Lenz  
[syn = Hechtia gayii (incorrect epithet)]  
BCS endemic.  
{BC: León de la Luz s.n., 29 Apr 2008 (HCIB 23414)}  
This rare BCS endemic species occurs in the southern Cape region west of San José del Cabo.  
Ecoregions: CPL  
**Gay Hechtia; MageuyCillo**  
**Hechtia montana** Brandegee  
{BCS: Rehman 3388 (SD 139386)}  
This native species occurs commonly in the Cape region, but also in the SGUAD & SGIG of BCS.  
Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, CHH  
**Mountain Hechtia; MageuyCillo, Mescalito, Datillo, Savalia, Mezcalillo**  
**Tillandsia recurvata** L..  
{syn = Renealmia recurvata L., Diaphoranthema recurvata (L.) Beer}  
{BC: Hodgson 8246 (SD 138448); BCS: Cuauhtemoc Leom (SD 136236)}  
This common native epiphyte occurs in fog zones and humid habitats from the vicinity of Yubay in s BC south to the Cape region of BCS.  
Ecoregions: CD, VD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, NM, TX, Central & South America  
**Ball Moss, Tillandsia; Heno Pequeño, Gallitos**  
**Cannaceae**

**Callisia monandra** (Sw.) Schult. & Schult. f.  
[In Wiggins as Apoleia monandra (Sw.) H.E. Moore; syn = Tradescantia monandra Sw., Callisia scopulorum Brandegee, Leptocallisia monandra (Sw.) W. Ludw. & Rohwedler]  
{BCS: M. Domínguez 133 (SD 130759)}  
This very rare native species occurs in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, West Indies, Central & South America  
**Tropical Roseling; Cointe Morado**

**Commelina coelestis** Willd.  
{BCS: Rehman 5815 (SD 145422)}  
This very rare native species occurs at higher elevations in the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America  
**Sky-Blue Dayflower**

**Commelina dianthifolia** Delile  
[syn = Commelina dianthifolia var. longispatha (Torr.) Brashear]  
{BC: Rehman 25236 (SD 223628); BCS: León de la Luz 2800 (SD 126889)}
This rare native species occurs in the SLIB of s BC and in the s SGIG and SLL of BCS.

Ecoregions: CD, GIG, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, CO, NM, TX

**Birdbill Dayflower**

**Commelina diffusa** Burm. f.

[syn = Commelina longicaulis Jacq., Commelina gigas Small]

{BCS: D.F. Howe s.n., 27 Sep 1967 (SD 80718)}

This rare native species occurs in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, CO, NM, TX, Central & South America, Old World

**Climbing Dayflower; Quesadilla, Gallito**

**Commelina erecta** L.

[In Wiggins as Commelina erecta var. angustifolia (Michx.) Fern., Commelina erecta var. crispa (Woot.) Palmer & Steyerm.; syn = Commelina crispa Woot., Commelina nashii Small, Commelina angustifolia Michx.]

{BC: M. Sáizar 5030 (SD 207384); BCS: Rebman 3631 (SD 141090)}

This uncommon, highly variable, native species occurs in the SLIB of s BC and in CBS in the SSF, SGIG, & most commonly the Cape region. It also occurs on Cerralvo Island in the southern Gulf.

Ecoregions: CD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, CO, NM, TX, West Indies, Central & South America

**White-Mouth Dayflower; Quesadilla**

**Commelina scabra** Benth.

{syn = Commelina carnea Schltdl.}

{BCS: M. Domínguez L. 2744 (HCIB 12375)}

This very rare native species is only known from one historical specimen collected in the SLIB of BCS and this species needs to be verified.

Ecoregions: CPL; Wider distr.: nw & c Mexico

**Rough Dayflower**

**Commelina standleyi** Steyerm.

{syn = Commelina coelestis Willd. var. bourgeai C.B. Clarke]

{BCS: M.E. Jones 27578b (UC)}

This very rare native species is only known from one historical specimen collected in the SLL of BCS.

Ecoregions: CPL; Wider distr.: SIN, CHP, JAL, NAY, OAX, VER, Central America

**Standley Dayflower; Hierba de Pollo**

**Commelina tuberosa** L.

{BCS: R. Domínguez C. 109 (HCIB 172)}

This very rare native species is only known from one historical specimen collected in the SLL of BCS, which needs to be verified. This species is closely related to C. dianghifolia and C. coelestis and can be difficult to distinguish from them.

Ecoregions: CPL; Wider distr.: SON, widespread in Mexico, CO, NM, TX, Central & South America

**Tuberos Dayflower**


**Gibasis linearis** (Benth.) Rohweder subsp. rhodantha

[In Wiggins as Gibasis linearis (no subspecies); syn = Tradescantia rhodantha Torr., Gibasis rhodantha (Torr.) Reveal & W.J. Hess, Tradescantia graminifolia Martens & Galeotti]

{BCS: Rebman 9804 (SD 154056)}

This rare native taxon occurs in the s SGIG and in the Cape region of BCS. Specimens from BCS with glandular pubescent pedicels, narrow leaves, & more purplish flowers have been identified as this taxon, but may represent extreme variation in G. venustula subsp. peninsulae.

Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, n & w Mexico

**Western Bridal Veil**

**Gibasis venustula** (Kunth) D.R. Hunt subsp. peninsulae D.R. Hunt

[In Wiggins as Gibasis heterophylla (Brandegee) Reveal & W.J. Hess; syn = Tradescantia heterophylla Brandegee, Aneilema heterophylla (Brandegee) Matuda, Tradescantia heterophylla Brandegee]

{BCS: Moran 7001 (SD 50575)}

This BCS endemic taxon occurs at lower elevations throughout the Cape region.

Ecoregions: CPL

**Baia California Bridal Veil**

**Tinantia erecta** (Jacq.) Schltdl.

[In Wiggins as Tinantia modesta Brandegee; syn = Tinantia fugax Scheidw.]

{BCS: Rebman 5737 (SD 143129)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, widespread in Mexico, CO, NM, TX, Central & South America

**Widow’s Tear; Hierba de Pollo, Platanillo**

**Tinantia glabra** (Standl. & Steyerm.) Rohweder

{syn = Tinantia fugax Scheidw. var. verticillata C.B. Clarke, Tinantia leiscalyx J.D. Sm. f. glabra Standl. & Steyerm.]

{BCS: Rebman 5736 (SD 143128)}

This very rare native species is only known from one historical specimen in the SLL of BCS. It should be noted that the taxonomy of this genus in our region needs study.

Ecoregions: CPL; Wider distr.: SIN, COL, JAL, VER, Central America

**Smooth Tinantia**

**Tinantia longipedunculata** Standl. & Steyerm.

{BCS: Rebman 5736 (SD 143128)}

This rare native species occurs mainly in the SLL of BCS.

Ecoregions: CPL, CPM; Wider distr.: SON, SIN, widespread in Mexico, CO, NM, TX, Central & South America

**Long-Stalk Tinantia**

**Tinantia macrophylla** S. Watson

{BCS: León de la Luz 9655 (HCIB 15199)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPL; Wider distr.: SON, SIN, CHH, JAL, NAY

**Rio Mayo Tinantia**

**Tinantia pringlei** (S. Watson) Rohweder

{syn = Tradescantia pringlei S. Watson}

{BCS: León de la Luz 10799 (HCIB 22395)}

This very rare native species is only known from one historical specimen in the Sierra del Novillo and this specimen needs to be verified.

Ecoregions: CPL; Wider distr.: n Mexico

**Pringle Spiderwort**

**Tradescantia masonii** Matuda

{BCS: Moran 21350 (SD 127287)}

This rare native species occurs in the Cape region of BCS.
**Tradescantia peninsularis** Brandegee
Ecoregions: CPL; Wider distrib.: SIN
MASON SPIDERWORT

*BCS endemic.*

This rare BCS endemic species occurs in the Cape region.

*Ecoregions: CPL, CPM
Baja California Spiderwort*

**Cyperaceae**


**Bulbostylis maritimus** (L.) Palla subsp. *paludosus* (A. Nels.) T. Koyama

*SYN = Schoenus juncoides Vahl*

Ecoregions: CPL; Wider distrib.: SIN, widespread in Mexico, Central America, and South America.

**Bulbostylis arcuata** Kral

*Syn = Schoenus juncoides Vahl*

Ecoregions: CPL; Wider distrib.: SIN, widespread in Mexico, Central America, and South America.

**Bulbostylis capillaris** (L.) C.B. Clarke

*Syn = Scirpus capillaris L.*

Ecoregions: CPL; Wider distrib.: SIN, widespread in Mexico, Central America, and South America.

**Bulbostylis junceoides** (Vahl) Kük. ex Osten

*Syn = Schoenus junceoides Vahl*

Ecoregions: CPL; Wider distrib.: SIN, widespread in Mexico, Central America, and South America.

**Carex agrostoides** Mack.

*BC: Moran 15679 (SD 69074); BCS: John H. Thomas 7890 (DS 627491)*

This rare perennial occurs in the SSPM of BC & the SLL of BCS.

**Carex alpina** L.H. Bailey

Status in CFP: 2B.

*BC: Moran 15680 (RSA 207441); BCS: T.S. Brandegee s.n., 25 Mar 1892 (UC 200686)*

This rare perennial occurs in the SSPM of BC & the SLL of BCS.

**Carex alpina** L.H. Bailey

Status in CFP: 2B.

*BC: Moran 15491 (SD 78962)*

This rare perennial occurs at higher elevations in the SSPM of BC.

**Carex athrostachya** Olney

Status in CFP: 2B.

*BC: Moran 14491 (SD 78962)*

This rare perennial occurs at higher elevations in the SSPM of BC.

**Carex chihuahuensis** Mack.

*BC: Hodgson 8160 (SD 138447)*

This rare perennial occurs at higher elevations in the SLL & in the SF of BCS.

**Carex chihuahuensis** Mack.

*BC: Moran 15701 (SD 69074); BCS: John H. Thomas 7890 (DS 627491)*

This rare perennial occurs at higher elevations in the SSPM of BC & the SLL of BCS.

**Carex douglasii** Boott

Status in CFP: 2B.

*BC: R.F. Thorne 60849 (RSA 346095)*

This rare perennial occurs at higher elevations in the SJ & SSPM of BC.

**Carex douglasii** Boott

Status in CFP: 2B.

*BC: John H. Thomas 7890 (UC 200686)*

This rare perennial occurs in the SSPM of BC & the SLL of BCS.

**Carex fracta** Mack.

*BC: Vinton, s.n., 1 Jul 2009 (SD 218224)*

This rare perennial occurs at higher elevations in the SSPM of BC.

**Carex geophila** Mack.

*BC: Moran 20442 (DS 711403)*

This very rare perennial is only known in our region from one specimen on V3V in n BC.

**Carex geophila** Mack.

*BC: Moran 20442 (DS 711403)*

This very rare perennial is only known in our region from one specimen on V3V in n BC.

**Carex hassei** L.H. Bailey

Status in CFP: 2A.

*BC: Moran 25601 (SD 100240)*

This very rare perennial occurs in the SSPM of BC & the SLL of BCS.

**Carex hassei** L.H. Bailey

Status in CFP: 2B.

*BC: Moran 23317 (RSA 294063)*

This very rare perennial occurs in the SSPM of BC & the SLL of BCS.
This rare perennial occurs in the higher western foothills of the SSPM of nw BC. Ecoregions: CHA; Wider distrib.: w USA & w Canada

**Salt Sedge, Hass Sedge**

*Carex hendersonii* L.H. Bailey

{BCS: *M. Domínguez L.* 4068 (SD 188579)}

This rare perennial occurs at higher elevations in the SLL of BCS. The identity of this specimen needs to be verified. Ecoregions: CPM; Wider distrib.: w USA & w Canada

**Henderson Sedge**

*Carex lagunensis* M.E. Jones

BCS endemic.

{BCS: *León de la Luz* 8030 (SD 189132)}

This rare BCS endemic perennial occurs at higher elevations in the SLL of BCS. This species is sometimes lumped into the highly variable *C. peucophila* Holm of c & s Mexico. Ecoregions: CPM

**La Laguna Sedge**

*Carex lasiocarpa* Ehrh. [syn = *Carex lanuginosa* Michx., *Carex lasiocarpa* var. americana Fernald]

{BC: *Rebman* 30939 (RSA 310562)}

This very rare perennial is only known in our region from one specimen at higher elevations in the SSPM of n BCS. Ecoregions: CPM; Wider distrib.: w & n USA, Canada

**Woolly-Fruit Sedge**

*Carex longissima* M.E. Jones

BCS endemic.

{BCS: *M.E. Jones* 27594 (POM 193612)}

This very rare BCS endemic perennial is only known from a couple of specimens at higher elevations in the SLL & Sierra Cacachilas of the Cape region of BCS. Ecoregions: CPM; Wider distrib.: w USA, Canada

**Cape Mountain Sedge**

*Carex praegracilis* W. Boott

Status in CFP: 2B.

{BC: *R.F. Thorne* 55898 (RSA 252698)}

This rare perennial occurs along the Pacific coast in nw BC in the vicinity of Ensenada to Colonet. Ecoregions: CSS; Wider distrib.: CA

**Western Territory Sedge**


*Cyperus amabilis* Vahl

{BCS: *M. Domínguez L.* 2900 (SD 160018)}

This rare perennial occurs at higher elevations in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, Central & South America, Asia, Africa

**Foothill Flat Sedge**

*Cyperus arsenei* O’Neill & Ben.Ayers

{BCS: *T.S. Brandegee s.n., 14 Sep 1893* (UC 200873)}

This rare species occurs at higher elevations in the SSPM of BC. Ecoregions: CPM; Wider distrib.: Widespread in w & n USA, Canada, Eurasia

**Mexican Flat Sedge**

*Cyperus cuspidatus* Kunth

{BCS: *Rebman* 30889 (SD)}

This very rare annual was discovered in 2015 growing at higher elevations in the Sierra El Taste of the Cape region of BCS. Ecoregions: CPM; Wider distrib.: SIN, widespread in Mexico, se USA, Central & South America

**Coastal Plain Flat Sedge**

*Cyperus dioicus* I.M. Johnst.


{BC: *Moran* 12535 (SD 65291); BCS: *Rebman* 1717 (SD 137342)}

This native perennial is endemic to our region and occurs most commonly throughout BCS and adjacent islands, but also in the SLL of s BC. Ecoregions: CD, GCD, GIG, MAG, CPL, CPM

**Baja California Flat Sedge; Tulillo, Tule**

*Cyperus dioicus* I.M. Johnst.
Cyperus dipsaceus Liebm.  
[syn = Cyperus wrightii Britton]  
{BC: Rebman 25260A (SD 223630); BCS: T.S. Brandegee s.n., 12 Sep 1893 (UC 200917)}  
This rare native perennial occurs in the SLIB of s BC & the SLL of BCS.  
Ecoregions: CD, CPM; Wider distrib.: SON, SIN, widespread in Mexico, USA & Canada, Central & South America; introduced in Europe  
YELLOW NUTSEDGE, YELLOW NUTGRASS; COQUILLO AMARILLO, CE-BOLÍN

Cyperus elegans L.  
{BC: Moran 20128 (SD 92803)}  
This uncommon native species occurs mostly along both coasts of BCS.  
Ecoregions: GD, CPM; Wider distrib.: SON, SIN, widespread in coastal Mexico, se & s coastal USA, Central & South America  
ROYAL FLATSEDGE

Cyperus enterrianus Boeck.  
{BC: M. Domínguez L. 1119 (HCIB 5657)}  
This rare perennial is only known from a couple of specimens in BCS near La Purísima & in the SLL.  
Ecoregions: M, CPM; Wider distrib.: SON, SIN, c & s Mexico, se USA, Central & South America  
ROYAL FLATSEDGE

Cyperus esculentus L.  
{BC: Schoenfeldi 2897 (US)}  
This very rare native occurs in the vicinity of Tijuana in extreme nw BC.  
Ecoregions: CSS; Wider distrib.: w USA  
TALL FLATSEDGE

Cyperus flavicomus Michx.  
{BC: Rebman 18679 (SD 200243)}  
This rare native species occurs in the Cape region of BCS.  
Ecoregions: CMT, CD, CPM; Wider distrib.: Scattered in Mexico, se USA, Central & South America, Asia, Africa  
WHITE-EDGE FLATSEDGE

Cyperus hermaphroditus (Jacq.) Standl.  
{BC: Moran 25651 (SD 100289); BCS: León de la Luz 9594 (SD 203719)}  
This uncommon native perennial occurs in the SSPM & SLIB of BC and the SQUAD & SLL of BCS.  
Ecoregions: CMT, CD, G; CPM; Wider distrib.: SON, SIN, widespread in Mexico, s & e USA, Central & South America, Asia, Africa  
HERMAPHRODITE FLATSEDGE; TULILLOS

Cyperus involucratus Rothb.  
[syn = Cyperus alternifolius L. subsp. flabelliformis (Rothb.) Kük., Cyperus flabelliformis Rothb., Cyperus alternifolius auct. non L., Cyperus alternifolius L.]  
{BC: Moran 28027 (SD 104329); BCS: M. Domínguez L. 3001 (HCIB 15449)}  
This rare non-native perennial occurs in urban areas of extreme nw BC and in the Cape region of BCS.  
Ecoregions: CSS, CPL, CPM; Wider distrib.: Native to e Africa, introduced in SON, SIN, scattered in Mexico & USA  
AFRICAN UMBRELLA PLANT

Cyperus laevigatus L.  
{BC: Rebman 149092 (SD 92803); BCS: Moran 20151 (SD 106864); BCS: M. Domínguez L. 2491 (SD 149092)}  
This common native perennial occurs throughout most of BC and as far south on the peninsula as the c SGIG of BCS.  
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, V, G; Wider distrib.: SON, widespread in Mexico, sw USA, West Indies, South America, Europe, Asia, Africa  
SMOOTH FLATSEDGE
Cyperus lanceolatus Poir.
{BCS: A. Carter 3464 (RSA 351245)}
This rare native perennial occurs in the SGIG and on the western side of the Cape region in BCS.
Ecoregions: GIG, CPL; Wider distrib.: SON, C & S Mexico, FL, GA, MS, TX, West Indies, Central & South America, Africa

**EPHYTIC FLATSEDGE**

Cyperus ligularis L.
{BCS: Wiggins 5687 (DS 263538)}
This rare species is only known in our region from one historical specimen from San José del Cabo in BCS.
Ecoregions: CPL; Wider distrib.: SIN, widespread in coastal Mexico, AL, FL, West Indies, Central & South America, w Africa

**ALABAMA SWAMP FLATSEDGE**

Cyperus manilae Kunth var. asperinunus (Liebm.) Kük.
{BCS: T.S. Brandegee s.n., 1 Oct 1899 (UC 200911)}
This rare species is only known from one historical specimen from the Sierra Francisquito in the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: SIN, widespread in Mexico, AZ, Central & South America

**SPECTACULAR FLATSEDGE**

Cyperus mutisii (Kunth) Andersson
[syn = Cyperus asper (Liebm.) O’Neill]
{BCS: T.S. Brandegee s.n., 14 Sep 1893 (UC 200899)}
This rare species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, Central & South America

**MUTIS FLATSEDGE**

Cyperus niger Ruiz & Pav.
[In Wiggins as Cyperus niger var. capitatus (Britton) O’Neill; syn = Cyperus melanostachyus Kunth, Cyperus niger var. easteonesus (Pursh) Kük., Pycreus niger (Ruiz & Pavón) Cufod., Cyperus diandrus Torr. var. capitatus Britton]
Status in CFP: 2B.
{BC: Moran 26306 (SD 101053); BCS: M. Domínguez L. 2792 (SD 152043)}
This rare species occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, sw USA, Central & South America

**BLACK FLATSEDGE, BROWN UMBRELLA SEDGE**

Cyperus odoratus L.
[syn = Cyperus californica S. Watson., Cyperus eggersii Boeckl., Cyperus engelmanii Steud., Cyperus ferox L.C. Rich, Cyperus ferruginescens Boeckl., Cyperus longispicatus J.B.S. Norton, Cyperus macrocephalus Liebm., Cyperus odoratus var. acicularis (Schrad. ex Nees) O’Neill, Cyperus spectiosus Vahl, Cyperus acicularis Schrad. ex Nees]
{BC: Moran 29251 (SD 106117); BCS: León de la Luz 7816 (SD 140770)}
This uncommon native species is scattered in wet habitats throughout the peninsula.
Ecoregions: CSS, LCD, CD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, USA, & e Canada, Central & South America, Asia, Africa, Australia

**FRAGRANT FLATSEDGE, RUSTY FLATSEDGE**

Cyperus pallidicolor (Kük.) G. Tucker
[In Wiggins as Cyperus subambigus Kük. var. pallidicolor Kük.]
{BC: Rebman 18637 (SD 200244); BCS: Rebman 6073 (SD 160019)}
This uncommon native occurs in the SLL of BC & in the SGIG, Sierra Cacachilas, & SLL of BCS.
Ecoregions: CD, GIG, CPL, CPM; Wider distrib.: SON, widespread in Mexico, AZ, NM, Central & South America

**PALLID FLATSEDGE**

Cyperus perennis (M.E. Jones) O’Neill
{BCS: Rebman 3397 (SD 139382)}
This native perennial occurs commonly in the southern half of BCS.
Ecoregions: GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON

**SONORAN FLATSEDGE, TULILLOS**

*Cyperus rotundus* L.
{BCS: Valov 1129 (SD 245157)}
This rare non-native perennial occurs in the vicinity of Mulegé & La Paz in BCS.
Ecoregions: GCD; Wider distrib.: Native to Eurasia, introduced in SON, SIN, widespread in Mexico, se & sw USA, Central & South America, Asia, Africa, Australia

**PURPLE NUTSEDGE, COCO-GRASS, PIONIA, COQUILLO ROJO**

Cyperus semiochreaceus Boeckl.
{BCS: A. Carter 4309 (RSA 351246)}
This rare perennial is only known from one historical specimen in the SGIG of BCS.
Ecoregions: GIG; Wider distrib.: SON, sw Mexico

**MEXICAN VEIL FLATSEDGE**

Cyperus squarrosus L.
[In Wiggins as Cyperus aristatus Rottb. var. inflexus (Muhl.) Boeckl.; syn = Cyperus aristatus Rottb., Cyperus aristatus var. runyonii O’Neill, Cyperus inflexus Muhl.]
{BC: Moran 29192 (SD 107697); BCS: Rebman 7069 (SD 159344)}
This common annual occurs throughout most of the peninsula in wet areas, but is rare in low desert habitats.
Ecoregions: CSS, CHA, CMT, LCD, CD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, scattered in Mexico, widespread in USA & Canada, Central & South America, worldwide in temperate & tropical regions

**BEARD FLATSEDGE, CEBOLLIN**

Cyperus strigosus L.
[syn = Cyperus stenolepis Torr., Cyperus strigosus var. capitatus Britton., Cyperus strigosus var. multilirius Geise, Cyperus strigosus var. roustior Britton, Cyperus strigosus var. stenolepis (Torr.) Kük., Cyperus hansenii Britton]
{BCS: C.F. Harbison s.n., 20 Nov 1956 (SD 46297)}
This rare perennial occurs in wet areas in the southern VD & northeastern MAG regions of BCS.
Ecoregions: VD, MAG; Wider distrib.: Widespread in USA & Canada

**FALSE NUTSEDGE**

Cyperus surinamensis Rothb.
{BCS: M. Domínguez L. 2939 (SD 153944)}
This rare species occurs along irrigation ditches in the southern MAG region and in the Cape region of BCS.
Ecoregions: MAG, CPL; Wider distrib.: SON, SIN, s Mexico, se USA, Central & South America

**TROPICAL FLATSEDGE, TULE**

Eleocharis acicularis (L.) Roem. & Schult. var. acicularis
Status in CFP: 2B.
{BC: S. Boyd 2758 (UCR 89450)}
Eleocharis acicularis (L.) Roem. & Schult. var. occidentalis Svensson
{BC: Moran 28447 (SD 105182)}
This very rare native variety grows in vernal pools and occurs in the vicinity of Colonet in nw BC.
Ecoregions: CSU; Wider distrib.: AZ, CA, NV
WESTERN NEEDLE SPIKE-RUSH

Eleocharis bella (Piper) Svensson
{syn = Eleocharis acicularis (L.) Roem. & Schult. var. bella Piper}
Status in CFP: 2B.
{BC: Moran 14445 (SD 79553)}
This rare species occurs in the SJ & SSPM of nw BC.
Ecoregions: CHA; Wider distrib.: CHH, w USA
BEAUTIFUL SPIKE-RUSH, DELICATE SPIKE-RUSH

Eleocharis bernardina (Munz & I.M. Johnst.) Munz & I.M. Johnst.
{In Wiggins as Eleocharis pauciflora (Lightf.) Link var. bernardina (Munz & I.M. Johnst.) Svensson}
Status in CFP: 1B.
{BC: R.F. Thorne 55906 (SD 123873)}
This very rare native species is only known in our region from one historical specimen at Laguna Hanson in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: CA
SAN BERNARDINO SPIKE-RUSH

Eleocharis coloradoensis (Britton) Gilly
{In Wiggins as Eleocharis parvula (Roem. & Schult.) Link var. coloradoensis (Britton) Beetle}
Status in CFP: 2B.
{BC: Moran 16445 (SD 71876); BCS: A. Medel N. 2011-122 (HCIB 26821)}
This rare native species is only known in our region from one historical specimen at Laguna Hanson in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: c & w USA, Canada
DWARF SPIKE-RUSH

Eleocharis geniculata (L.) Roem. & Schult.
{syn = Eleocharis caribaea (Rottb.) Blake, Eleocharis caribaea var. dispar (E. J. Hill) Blake, Scirpus caribaea Rottb., Eleocharis capitata (L.) R. Br. var. dispar (E.J. Hill) Fernald]
Status in CFP: 2B.
{BC: R.F. Thorne 57582 (SD 122831); BCS: J. Pérez Navarro 9102 (SD 142195)}
This rare native species is only known in our region from the SJ in n BC and near La Ribera in the Cape region of BCS.
Ecoregions: CMT, CPL; Wider distrib.: c & w USA, Canada
CAPITATE SPIKE-RUSH, BENT SPIKE-RUSH; JUNQUILLO, TULILLOS

Eleocharis macrostachya Britton
Status in CFP: 2B.
{BC: Moran 26015 (SD 101752); BCS: M. Domínguez L. 3799 (SD 160204)}
This very rare native species occurs commonly in nw BC and rarely in the SLIB & SGIG. This species is closely related to E. palustris.
Ecoregions: CSS, CHA, CMT, CSU, CD, GIG; Wider distrib.: SON, c & n Mexico, widespread in USA & Canada, South America
PALE SPIKE-RUSH

Eleocharis montevidensis Kunth
{syn = Eleocharis arenicola Torr.}
{BC: Moran 15038 (SD 69286); BCS: León de la Luz 3805 (SD 139963)}
This native perennial species occurs commonly in nw BC and rarely in the SLIB, SGIG, & Cape region of BCS.
Ecoregions: CHA, CMT, CSU, CD, VG, GIG, CPL, CPM; Wider distrib.: SON, widespread in Mexico, sw & se USA, South America
SAN SPIKE-RUSH, DOMBEY SPIKE-RUSH

Eleocharis palustris (L.) Roem. & Schult.
{In Wiggins as Eleocharis pauciflora (Lightf.) Link var. bernardina (Munz & I.M. Johnst.) Kunth}
Status in CFP: 3.
{BC: Moran 30941 (SD 111249)}
This very rare native perennial is only known in our region from a few specimens near Ensenada and in the SSPM of nw BC.
Ecoregions: CSS, CMT; Wider distrib.: Rare in Mexico, widespread in USA & Canada, Eurasia, New Zealand
COMMON SPIKE-RUSH

Eleocharis parishii Britton
{syn = Eleocharis montevidensis Knuth var. disciformis (Parish) V.E. Grant, Eleocharis montevidensis var. parishii (Britton) V.E. Grant, Eleocharis disciformis Parish}
{BC: R.F. Thorne 32056 (SD 60398); BCS: Rebman 4455 (SD 141800)}
This very rare native perennial species is only known in our region from a few specimens near Ensenada and in the SSPM of nw BC.
Ecoregions: CSS, CMT; Wider distrib.: Rare in Mexico, widespread in USA & Canada, Eurasia, New Zealand
PARISH SPIKE-RUSH; JUNQUILLO

Eleocharis quinqueflora (Hartm.) O. Schwarz
{syn = Eleocharis pauciflora (Lightf.) Link}
Status in CFP: 2B.
{BC: Rebman 5427 (SD 144164)}
This rare native species occurs commonly in nw BC and extends down the peninsula on sky islands to the Cape region of BCS.
Ecoregions: CMT, CPL; Wider distrib.: w & n USA, Canada, Eurasia
FEW-FLOWER SPIKE-RUSH

Eleocharis radicans (A. Dietr.) Kunth
{syn = Eleocharis lindeimleri Svenson, Eleocharis acicularis (L.) Roem. & Schult. var. radicans (A. Dietr.) Britton, Eleocharis exigua (Kunth) Roem. & Schult.}
Status in CFP: 2B.
{BC: Moran 26343 (SD 101050)}
This rare native perennial occurs in the lower Santo Domingo River & on the western foothills of the SSPM in nw BC.
Ecoregions: CHA, CSU; Wider distrib.: SON, SIN, c & w Mexico, sw & se USA, Central & South America
CREEPING SPIKE-RUSH, ROOTED SPIKE-RUSH
Very rare native occurs in the vicinity of Ensenada and Catavina in BC. Ecoregions: CSS, CD; Wider distrib.: SON, CHH, COA, widespread in USA & Canada, West Indies


{BC: Moran 21547 (SD 89775); BCS: Rehman 7781 (SD 159178)}

This common native perennial occurs in wetlands throughout most of the peninsula. Ecoregions: CSS, CHA, CSU, LCD, CD, DV, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico & USA, w Canada, West Indies, Central & South America

**Schoenoplectus californicus** (C.A. Mey.) Sojak [In Wiggins as Scirpus californicus (C.A. Mey.) Steud.] 

{BC: Moran 18365 (SD 80209); BCS: R. Dominguez C. 192 (RSA 607034)}

This large native perennial occurs along the Pacific coast in nw BC, along the Colorado River in ne BC, & in the Cape region of BCS. Ecoregions: CSS, CSU, LCD, CPL; Wider distrib.: SON, widespread in Mexico, sw & se USA, Central & South America

**Schoenoplectus complanata** (Retz.) Link 

{BCs: M. Domínguez L. 818 (SD 149094)}

This very rare native perennials is only known from one specimen collected in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, s Mexico, Central & South America

**Schoenoplectus contracta** (C.Presl) Schinz & R. Keller 

{BC: Moran 27302 (SD 102518)}

This rare native occurs in the SLIB of s BC & the SLL of BCS. Ecoregions: CSS, CHA, LCD; Wider distrib.: CA, OR, WA

**Small-Flower Halfshaft Sedge, Common Hemicarpha**

**Isolepis cernua** (Vahl) Roem. & Schult. 

{BC: Burgess 6079 (SD 116899)}

{BC: M. Domínguez L. 2899 (HCIB 140311)}

This uncommon native occurs in extreme nw BC. Ecoregions: CSS, CHA, CSU; Wider distrib.: w USA, TX, w Canada, South America, Eurasia, Africa, Australia

**Low Bulrush, California Club-Rush**

**Isolepis simplex** Vahl var. simplex 

{BCs: Rebman 5167 (SD 202386); BCS: Rebman 5747 (SD 143167)}

This very rare native is only known from one specimen in the Cape region of BCS that needs to be verified. Ecoregions: CPL; Wider distrib.: CA, OR, WA

**Western Halffshaf Sedge**

**Fimbristylis complanata** (Retz.) Link 

{BCs: M. Domínguez L. 818 (SD 149094)}

This very rare native perennial is only known from one specimen collected in the SLL of BCS. Ecoregions: CPM; Wider distrib.: SON, s Mexico, West Indies, Central America

**Puerto Rico Fimbr**

**Fimbristylis annua** (All.) Roem. & Schult. 

{BCs: M. Domínguez L. 2927 (SD 149094)}

This common native perennial occurs throughout most of BCS. Ecoregions: CPM; Wider distrib.: SON, s Mexico, Central America

**Compact Beaked-Rush**

**Fimbristylis thermalis** S. Watson 

Listed: CNPS 2B.2. 

{BC: Burgess 6079 (SD 116899)}

This very rare native perennial is only known from one specimen collected in the hot springs of Guadalupe Canyon on the lower eastern side of the SJ in n BC. Ecoregions: LCD; Wider distrib.: COA, sw USA

**Hot Springs Fimbr**

**Fimbristylis acutus** Bigelow Á. Löve & D. Löve var. occidentalis (S. Watson) S.G. Sm. 

{BCs: M. Domínguez L. 2899 (SD 154127)}

This rare native occurs in the s SGIG and in the Cape region of BCS. Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, s Mexico, Central & South America

**Western Halfsha F**

**Fimbristylis widesm** (Torr.) Beetle 

{In Wiggins as Scirpus California var. occidentalis S. Watson, Scirpus rostellatus Torr.] 

Status in CFP: 2B. 

{BC: Moran 22231 (SD 91726)}

This uncommon native occurs in extreme nw BC. Ecoregions: CSS, CHA, CSU; Wider distrib.: w USA, TX, w Canada, South America, Eurasia, Africa, Australia

**Low Bulrush, California Club-Rush**

**Isolepis rostellata** (Torr.) Torr. 

{syn = Eleocharis rostellata var. condonii Jeps., Eleocharis rostellata var. occidentalis S. Watson, Scirpus rostellatus Torr.}

Status in CFP: 2B. 

{BC: Moran 28929 (SD 106123)}

This rare native perennial occurs in the vicinity of Ensenada and Catavina in BC. Ecoregions: CSS, CD; Wider distrib.: SON, CHH, COA, widespread in USA & Canada, West Indies

**Beak Spike-Rush, Travelling Spike-Rush**

**Isolepis americanus** (Pers.) Schinz & R. Keller 


{BC: Moran 27302 (SD 102518)}

This native perennial occurs commonly in nw BC. Ecoregions: CSS, CHA, LCD; Wider distrib.: SON, n Mexico, w USA, w Canada

**Viscid Bulrush, Common Tule; Tule**

**Isolepis californicus** (Vahl) Roem. & Schult. 

{In Wiggins as Scirpus californicus Vahl var. californicus (Torr.) Beetle] 

Status in CFP: 2B. 

{BC: Moran 22231 (SD 91726)}

This uncommon native occurs in extreme nw BC. Ecoregions: CSS, CHA, CSU; Wider distrib.: w USA, TX, w Canada, South America, Eurasia, Africa, Australia

**Low Bulrush, California Club-Rush**

**Isolepis bristle** (Vahl) Roem. & Schult. 

{In Wiggins as Scirpus bristle var. occidentalis S. Watson, Scirpus chilensis Nees & Meyen ex Knuth, Scirpus congolomeratus Knuth, Scirpus monophyllus J. & K. Presl, Scirpus pungens Vahl subsp. monophyllus (J. & K. Presl) Taylor & MacBryde, Scirpus americanus Pers.] 

{BC: Moran 27302 (SD 102518)}

This uncommon native occurs in extreme nw BC. Ecoregions: CSS, CHA, CSU; Wider distrib.: w USA, TX, w Canada, South America, Eurasia, Africa, Australia

**Low Bulrush, California Club-Rush**

**Isolepis bristle** (Vahl) Roem. & Schult. 

{In Wiggins as Scirpus bristle var. occidentalis S. Watson, Scirpus chilensis Nees & Meyen ex Knuth, Scirpus congolomeratus Knuth, Scirpus monophyllus J. & K. Presl, Scirpus pungens Vahl subsp. monophyllus (J. & K. Presl) Taylor & MacBryde, Scirpus americanus Pers.] 

{BC: Moran 27302 (SD 102518)}

This uncommon native occurs in extreme nw BC. Ecoregions: CSS, CHA, CSU; Wider distrib.: w USA, TX, w Canada, South America, Eurasia, Africa, Australia

**Low Bulrush, California Club-Rush**
Schoenoplectus pungens (Vahl) Palla  
[syn = Scirpus pungens Vahl, Scirpus americanus Pers. var. longisipcatis Britton, Scirpus pungens var. longisetus Benth. & F. Mueller, Scirpus pungens var. polyphillus Boeckl., Schoenoplectus pungens var. longisipcatis (Britton) S.G. Sm., Schoenoplectus pungens var. badius (J. Presl & C. Presl) S.G. Sm.]  
Status in CFP: 2B (var. longisipcatis).  
{BC: Moran 19124 (SD 83004); BCS: P. Madie 951 (SD 93933)}  
This uncommon native perennial occurs mostly in nw BC along the Pacific coast, but also rarely in the MAG region & eastern Cape region of BCS.  
Ecoregions: CSS, CSU, MAG, CPM; Wider distrib.: SON, n & e Mexico, widespread in USA & Canada, West Indies, South America, Europe, Australia, New Zealand  
COMMON THREE SQUARE BULRUSH; TULE  

Schoenoplectus saximontanus (Fernald) J. Raynal  
[syn = Scirpus saximontanus Fernald]  
{BC: M. Sáuzez 5555 (SD 207385); BCS: Reban 9782 (SD 153135)}  
This rare perennial occurs rarely in c BC, in the s SGIG, and in the SLL of BCS.  
Ecoregions: CD, GIG, CPM; Wider distrib.: n Mexico, scattered in USA, w Canada  
ROCKY MOUNTAIN BULRUSH  

Schoenoplectus tabernaemontani (C.C. Gmel.) Palla  
[syn = Scirpus tabernaemontani C.C. Gmel., Schoenoplectus validus (Vahl) A. Löve & D. Löve, Scirpus validus Vahl]  
{BCS: T.S. Brandegee s.n., 21 Oct. 1893 (UC 200913)}  
This very rare perennial is only known in our region from one historical specimen in the higher elevations of the SLL of BCS.  
Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, USA, & Canada, West Indies, Central & South America, Eurasia, Africa  
SOFT STEM BULRUSH; TULE  

Scirpus microcarpus J. Presl & C. Presl  
{BC: Kenton L. Chambers 615 (DS 380939)}  
This rare perennial occurs in wet canyons on the eastern side of the SSPM in n BC.  
Ecoregions: CMT, Wider distrib.: DUR, w & n USA, Canada, Asia  
SMALL FRUIT BULRUSH  

Hydrocharitaceae  
The genus Najas is sometimes recognized in its own family Najasaceae.  

Najas flexilis (Wild.) Rostk. & W.L.E. Schmidt  
{BC: M. Domínguez L. 4122 (HCIB 23476)}  
This rare aquatic species has been documented in wetlands throughout much of BCS, but also rarely in nw BC. It has been reported for extreme nw BC near the Colorado River, but no specimens found from there.  
Ecoregions: CSS, CSU, MAG, CPM; Wider distrib.: SON, SIN, sw, c, & n USA, s Canada, West Indies, Central & South America, Eurasia  
HOLLY LEAF WATER NYMPH; SARGAZO  

Iridaceae  

Sisyrinchium cf. albidum Raf.  
{BCS: M. Domínguez L. 4042 (SD 189115)}  
This very rare white flowered species has only been documented in the SLL of BCS. This taxon in the Cape region needs to be studied & verified because it is very disjunct from the other populations of S. albidum and may represent a new taxon or be a white form of another regional species.  
Ecoregions: CPM; Wider distrib.: e USA & TX, e Canada  
WHITE BLUE EYED GRASS  

Sisyrinchium bellum S. Watson  
[syn = Sisyrinchium greenei E.P. Bicknell, Sisyrinchium hesperium E.P. Bicknell, Sisyrinchium eastwoodiae E.P. Bicknell]  
{BC: Moran 30728 (SD 111144)}  
This native perennial occurs commonly in nw BC and rarely on some sky islands in the northern CD region.  
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA, OR  
BLUE EYED GRASS  

Sisyrinchium demissum Greene  
[syn = Sisyrinchium longipedunculatum E.P. Bicknell, Sisyrinchium demissum var. amethystinum (E.P. Bicknell) Kearney & Peebles]  
{BCS: A. Carter 3333 (SD 49251)}  
This very rare native species occurs mostly in the SLL of BCS.  
Ecoregions: CPL, CPM; Wider distrib.: SON, n Mexico, sw USA & TX except CA  
STIFF BLUE EYED GRASS  

Sisyrinchium idahoense E.P. Bicknell  
Status in CFP: 2B.  
{BC: Steve Boyd 2703 (RSA 519492)}  
This rare native species occurs at higher elevations in the SSPM of n BC. It should be noted that most of the specimens from our region look like non-branching plants of S. bellum with very narrow leaves.  
Ecoregions: CMT; Wider distrib.: w USA & w Canada  
IDAHO BLUE EYED GRASS
Sisyrinchium scabrum Schidl. & Cham.
{BCS: R. Domínguez C. 480 (SD 126818)}
This very rare native species occurs at higher elevations in the SLL of BCS and is known from very few historical specimens. The specimens identified as this from our region look very similar to S. densus and may not be different.
Ecoregions: CPM; Wider distrib.: SON, SIN, n & c Mexico
ROUGH YELLOW-EYED-GRASS

Sisyrinchium subcerno (E.P. Bicknell) Henrich & Goldblatt
[syn = Hydastylus subcernuus E.P. Bicknell]
BCS endemic.
{BCS: Rebman 5816 (SD 145421)}
This very rare BCS endemic species occurs in the higher elevations of the SLL.
Ecoregions: CPM
CAPE YELLOW-EYED-GRASS

BCS endemic.
{BCS: M. Domínguez L. 2650 (SD 161976)}
This very rare BCS endemic species occurs at higher elevations in the SLL & in the Sierra Cacachilas in the Cape region.
Ecoregions: CPL, CPM
LA LAGUNA YELLOW-EYED-GRASS

Juncaceae


Juncus acutus L. subsp. leopoldii (Parl.) Snog.
[In Wiggins as Juncus acutus] Listed: CNPS 4.2.
{BC: Rebman 6458 (SD 148619); BCS: Rebman 7519 (SD 159177)}
This perennial species occurs throughout much of BC & n BCS, on Cedros Island, and is rare in the Cape region of BCS.
Ecoregions: CSS, CMT, CSU, PI (Guadalupe), LCD, CD, BD, GCD, MAG, CPL; Wider distrib.: SON, SW USA, South America, s Africa
SOUTHWESTERN SPINY RUSH; ESPADON, JUNC

*Juncus ambiguus Guss.
[syn = Juncus bufonius var. ambiguus (Guss.) Husn., Juncus bufonius var. halophilus Buchenau & Fernald, Juncus hybridus Brot.] {BC: Rebman 5116 (SD 144256)}
This rare non-native annual occurs in extreme nw BC in the vicinity of La Misión & Colonet. Some sources indicate that this species may be native to our region.
Ecoregions: CSS, CSU, PI (Guadalupe); Wider distrib.: Presumed native to n Europe, introduced in w USA
CLUSTER TOAD RUSH

Juncus articulatus L. subsp. articulatus
Status in CFP: 2B.
{BC: Steve Boyd 2804 (RSA 572687); BCS: M. Domínguez L. 4107 (HCIB 23461)}
This rare species occurs at higher elevations in the SSPM of BC & in the SLL of BCS.
Ecoregions: CMT, CPM; Wider distrib.: Widespread in USA & Canada, Eurasia, Africa
JOINTED RUSH

Juncus balticus Willd. subsp. ater (Rydb.) Snogerup
[In Wiggins as Juncus balticus; syn = Juncus arcticus Willd. var. balticus (Willd.) Trautv., Juncus arcticus Willd. var. montanus (Engelm.) S.L. Welsh]
Status in CFP: 2B.
{BC: Rebman 13551 (SD 182842)}
This rare perennial occurs in the SJ, SSPM, & the northern CD region of BC.
Ecoregions: CMT, CD; Wider distrib.: Rare in Mexico, widespread in USA & Canada, Central & South America, Europe, Asia
WIRE RUSH; BALTIC RUSH

Juncus bryoide F.J. Herm.
Status in CFP: 2B.
{BC: Moran 27501 (SD 103484)}
This uncommon annual occurs in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distrib.: w USA
ONE-FLOWER DWARF RUSH, MOSS RUSH

Juncus bufonius L. var. bufonius
Status in CFP: 3.
{BC: Moran 15032 (SD 69287)}
This common annual occurs mostly in nw BC and on Guadalupe Island, but is also scattered in the CD region.
Ecoregions: CSS, CHA, CSU, PI (Guadalupe), CD; Wider distrib.: SON, uncommon in Mexico, widespread USA, & Canada, nearly worldwide distribution
TOAD RUSH; JUNC

*Juncus bufonius L. var. congestus Wahlb.
{BC: Rebman 11839 (SD 160851)}
This rare non-native annual occurs in extreme nw BC and on Guadalupe Island. Some sources indicate that this variety may be native to our region.
Ecoregions: CSS, CSU, PI (Guadalupe); Wider distrib.: Presumed native to n Europe, introduced in w USA
CLUSTER TOAD RUSH

Juncus bufonius L. var. occidentalis F.J. Herm.
[In Wiggins as Juncus sphaerocephalus Nees misappl.; syn = Juncus amuricus (Maxim.) V.J. Krecz. & Gontsch.]
Status in CFP: 3.
{BC: Moran 24416 (SD 97714)}
This uncommon annual occurs in the SJ & SSPM of nw BC.
Ecoregions: CHA, CMT; Wider distr.: w USA, e Asia
WESTERN TOAD RUSH

Juncus cocciei Piper
[syn = Juncus cocciei var. obtusatus (Engelm.) C.L. Hitchch.]
{BC: Rebman 2386 (HCIB 6452)}
This very rare perennial species is only known in our region from one specimen collected in the western foothills of the SSPM in nw BC.
Ecoregions: CSS; Wider distr.: w USA, w Canada
COVILLE RUSH

Juncus dubius Engelm.
{BC: Moran 29414 (SD 69287); BCS: M. Domínguez L. 4107 (SD 188585)}
This uncommon perennial occurs mostly in nw BC, but also rarely in the SLL of BCS.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CPM; Wider distrib.: CA
MARIPOSA RUSH
Juncus effusus L. subsp. austrocalifornicus Zika
[In Wiggins as Juncus effusus]
Status in CFP: 2B.
{BC: Rebman 5512 (SD 145611)}
This uncommon perennial occurs in nw BC.
Ecoregions: CSS, CHA, CMT
BAJA RUSH, PACIFIC RUSH; JUNCO

Juncus hemiendytus F.J. Herm. var. hemiendytus
{BC: O. Clarke s.n. 18 Jun 1967 (UCR 6212b)}
This very rare annual has only been documented once in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: w USA
LONG-STYLE RUSH

Juncus longistyliis Torr.
Status in CFP: 2B.
{BC: Rebman 5533 (SD 145610)}
This rare perennial occurs on the western side of the SJ & SSPM in nw BC.
Ecoregions: CHA; Wider distrib.: w USA, Canada
LONG-STYLE RUSH

Juncus macroandrus Coville
{BC: R.F. Thorne 60932 (SD 222097)}
This rare perennial occurs at higher elevations in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: w USA, Canada
LONG-STYLE RUSH

Juncus marginatus Rostk.
[syn = Juncus marginatus var. odoratus Torr.]
{BCS: León de la Luz 9605 (SD 153808)}
This rare native perennial occurs at higher elevations in the SLL of BCS.
Ecoregions: SLC, CHA, CMT; Wider distrib.: SON, AZ, CA, NV
GRAASS-LEAF RUSH, RED-ANTHER RUSH

Juncus mertensianus Bong.
[syn = Juncus mertensianus subsp. gracilis (Englem.) F.J. Herm.]
Status in CFP: 2B.
{BC: R.F. Thorne 60820 (RSA 343265)}
This very rare native perennial has only been documented once at higher elevations in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: w USA & Canada
MERTENS RUSH

Juncus mexicanus Willd.
[syn = Juncus arcticus Willd. var. mexicanus (Willd.) Balslev]
{BC: Moran 29636 (SD 108660); BCS: León de la Luz 885 (HCIB 3148)}
This uncommon perennial occurs most often in nw BC, but is scattered south in the CD region and is also in the SLL of BCS.
Ecoregions: CSS, CHA, CMT, CSU, CD, CPM; Wider distrib.: SON, widespread in Mexico, sw USA, Central & South America
MEXICAN RUSH; TULILLOS

Juncus microcephalus Kunth
{BCS: M. Domínguez L. 1012 (HCIB 5979)}
This very rare native perennial is only known from one specimen collected in the SLL of BCS. This specimen needs to be verified.
Ecoregions: SLC, CHA, CMT; Wider distrib.: w USA, w Canada
PARRY RUSH

Juncus occidentalis (Coville) Wieg.
[syn = Juncus tenuis Willd. var. occidentalis Coville]
Status in CFP: 2B.
{BC: Moran 26775 (SD 109190)}
This rare native perennial occurs in extreme nw BC.
Ecoregions: CSS, CHA; Wider distrib.: w USA
WESTERN RUSH

Juncus oxymeris Engelm.
Status in CFP: 2B.
{BC: Moran 16144 (SD 73009)}
This uncommon perennial occurs in nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: w USA, w Canada
POINTED RUSH

Juncus parryi Engelm.
{BCS: M. Domínguez L. 1012 (HCIB 5979)}
This very rare native perennial is only known from one specimen collected in the SLL of BCS. This specimen needs to be verified.
Ecoregions: CPM; Wider distrib.: w USA, w Canada
PARRY RUSH

Juncus patens E. Mey.
Status in CFP: 2A.
{BC: Moran 24379 (SD 97806)}
This rare perennial occurs along the immediate Pacific coast from the vicinity of Ensenada to Colonet in nw BC.
Ecoregions: CSS, CSU; Wider distrib.: w USA
SPREADING RUSH

Juncus rugulosus Engelm.
Status in CFP: 3.
{BC: Vinton 214 (SD 145477)}
This uncommon perennial occurs in the higher elevations of the SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: CA
WRINKLED RUSH

Juncus saximontanus A. Nelson
[syn = Juncus ensifolius Wikström var. montanus (Engelm.) C.L. Hitchc.]
Status in CFP: 2B.
{BC: Moran 24404 (SD 97788)}
This uncommon perennial occurs in the higher elevations of the SSPM in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: n & c Mexico, w USA, w Canada
ROCKY MOUNTAIN RUSH

Juncus textilis Buchenau
Status in CFP: 2A.
{BC: M. Murphy s.n. 16 Oct 2003 (SD 157587)}
This rare perennial occurs along the immediate Pacific coast of nw BC in the vicinity of La Misión.
Ecoregions: CSS; Wider distrib.: CA
BASKET RUSH

Juncus tiehmii Ertert
Status in CFP: 4.
{BC: Rebman 5382 (SD 145345)}
This uncommon native annual occurs in nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: w USA
TIEHM DWARF RUSH, NEVADA RUSH

**Juncus torreyi** Coville

Status in CFP: 2B.

{BC: Moran 29859 (SD 110103)}

*This rare perennial occurs on the western foothills of the SJ in nw BC and is reported & expected for the Colorado River area of ne BC.*

Ecoregions: CHA; Wider distrib.: SON, n Mexico, widespread in USA, Canada

TORREY RUSH

**Juncus xiphioides** E. Mey.

{BC: Rebman 5540 (SD 145609)}

*This common perennial occurs mostly in nw BC, but also rarely in the LCD & CD regions of BC.*

Ecoregions: CSS, CHA, CMT, CSU, LCD, CD; Wider distrib.: CHH, sw USA

IRIS-LEAF RUSH

**Luzula comosa** E. Mey. var. *comosa*

Status in CFP: 2B.

{BC: R.F. Thorne 60937 (SD 124945)}

*This rare perennial occurs at higher elevations in the SSPM of n BC.*

Ecoregions: CMT; Wider distrib.: w USA, w Canada

COMMON WOOD-RUSH, PACIFIC WOOD-RUSH

**Juncaginaceae**


**Triglochin concinna** Burtt Davy var. *concinna*

{BC: Moran 22786 (SD 94610); BCS: John H. Thomas 8251 (DS 419428)}

*This native herbaceous perennial grows in coastal salt marshes and occurs mostly in nw BC, and rarely in extreme nw BCS near Guer-rero Negro.*

Ecoregions: CSS, CSU, PI (Coronados); Wider distrib.: s CA

SEASIDE ARROW-GRASS

**Triglochin concinna** Burtt Davy var. *debilis* (M.E. Jones) J.T. Howell

Status in CFP: 2B.

{BC: Moran 28354 (SD 105067)}

*This very rare perennial is only known from one specimen in our region in the vicinity of Ojos Negros in nw BC.*

Ecoregions: CHA; Wider distrib.: w & n USA, Canada, circumboreal

INLAND ARROW-GRASS

**Triglochin scilloides** (Poir.) Mering & Kadereit

{BC: Moran 26847 (SD 101772)}

*This native annual prefers vernal pools and wet muddy areas along water and occurs in extreme nw BC as far south as Colonet.*

**Calochortus aff. clavatus** S. Watson

{BCS: M. Domínguez L. 3479 (HCIB 18643)}

*This very rare native species has only been collected once in our region in the SSF of n BCS. This specimen needs to be verified.*

Ecoregions: CHA; Wider distrib.: CA

GOLDEN-BOWL MARIPOSA LILY

**Calochortus concolor** (Baker) Purdy [syn = Calochortus luteus Dougl. ex Lindl. var. concolor Baker]

{BC: Moran 17356 (SD 194536)}

*This uncommon species occurs in extreme nw BC.*

Ecoregions: CSS, CHA, CMT; Wider distrib.: CA

SAN JACINTO MARIPOSA LILY

**Calochortus aff. palmeri** S. Watson var. *munzii* Owenby

{BC: Moran 30732 (SD 111143)}

*This BC endemic variety occurs uncommonly in extreme nw BC as far south as the vicinity of El Rosario & on the adjacent Los Coronados Islands.*

Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: s CA

BAJA CALIFORNIA MARIPOSA LILY

**Calochortus splendens** Benth.

{BC: Moran 22253 (SD 91828)}

*This BC endemic variety occurs uncommonly in nw BC. Note that specimens from extreme southwestern San Diego County have close affinities to this variety.*

Ecoregions: CSS, CHA, CMT, CSU, PI (Coronados); Wider distrib.: CA

SPLENDID MARIPOSA LILY

**Calochortus weedii** Alph. Wood var. *peninsularis* Ownbey

{BC: Rebman 17356 (SD 194536)}

*This uncommon species occurs in the SJ, SSPM, and on a few sky islands in the CD region as far south as the SLIB in s BC. Variety munzii was previously only known from the San Jacinto mountains in CA, but the BC specimens match this relatively well; more taxonomic work needed.*

Ecoregions: CSS, CHA, CMT, CD; Wider distrib.: s CA

BAJA CALIFORNIA MARIPOSA LILY

**Calochortus weedii** Alph. Wood var. *weedii*

{BC: Moran 17853 (SD 75203)}

*This variety appears to be very rare in extreme nw BC and specimens of it in our region are rather intermediate with var. peninsularis.*

Ecoregions: CSS, CHA, CMT, CSU

WEED MARIPOSA LILY

**Fritillaria biflora** Lindl. var. *biflora*

{BC: F. Brubaker 8238 (RSA 68731)}
Dichromanthus cinnabarinus

Melianthiaceae

Toxicoscordion fremontii (Torr.) Rydb.

[In Wiggins as Zygadenus fremontii (spelling variant); syn = Zygadenus fremontii (Torr.) S. Watson]

Status in CFP: 4.

{BC: Moran 20925 (SD 92851)}

This uncommon species occurs in extreme nw BC as far south as the vicinity of Colonet.

Ecoregions: CSS; Wider distrib.: CA, OR

DEATH CAMAS, MEADOW DEATH CAMAS

Toxicoscordion venenosum (S. Watson) Rydb. var. venenosum

[In Wiggins as Zygadenus venenosus (spelling variant); syn = Zygadenus venenosus S. Watson]

Status in CFP: 2B.

{BC: Moran 20936 (SD 89326)}

This rare species occurs in the SJ of nw BC.

Ecoregions: CHA, CMT; Wider distrib.: w USA, w Canada

DEATH CAMAS, MISSION DEATH CAMAS

Orchidaceae


Bletia purpurata A. Rich. & Galeotti

[In Wiggins as Arethusa rosea (Lindl.) Hemsl. illeg.; syn = Crybe rosea Lindl., Bletia rosea (Lindl.) Dressler illeg.]

{BC: León de la Luz 9526 (SD 147277)}

This very rare native species grows in wet pine forests and has its origins in the SLL of BCS and is distributed southward to Central America.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

PINE BLETIA

Corallorhiza wisteriana Conrad

[syn = Corallorhiza fimbriata Schltr.]

{BC: Hendrickson 440 & Lenz (RSA)}

This very rare native species occurs in pine/oak woodland and has only been collected once in our region on 27 May 1989 in the SLL of BCS and was previously reported by Lenz.

Ecoregions: CPM; Wider distrib.: DIF, JAL, MEX, MIC, widespread in USA

WISTER CORAL-ROOT, SPRING CORAL-ROOT

Deiregynae eiriophora (B.L. Rob. & Greemn.) Garay

[syn = Schiedeella eiriophora (B.L. Rob. & Greemn.) Schltr., Spiranthes eiriophora B.L. Rob. & Greemn.]

{BC: M. Domínguez L. 2772 (HCIB 13576)}

This rare native species occurs in the SJ and SSP of BCS.

Ecoregions: CPM; Wider distrib.: CA, OR

MOUNTAIN LADY’S TRESSES

Dichromanthus michuacanus (Lex.) Salazar & Soto Arenas

[syn = Spiranthes michuacana (Lex.) Hemsl., Schiedeella michuacana (Lex.) Balogh, Stenorrhynchos michuacanum (Lex.) Lindl.]

{BCS: Rebman 5759 (SD 143164)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico, TX, Central America

SCARLET LADY’S TRESSES

Epipactis gigantea Hook.

{BC: Moran 18060 (SD 76562); BCS: León de la Luz 9695 (SD 147276)}

This native perennial prefers stream habitats and occurs commonly in nw BC, especially in the SJ & SSP, but also in the SLIB of s BC & in the SLL of BCS.

Ecoregions: CSS; Wider distrib.: SON, SIN, widespread in Mexico, Central America

STREAM ORCHID

Habenaria clypeata Lindl.

{BC: B. Hammerly 380 (CAS 234281)}

This very rare native species has only been collected a few times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

SHIELD BOG ORCHID

Habenaria crassicornis Lindl.

[syn = Habenaria adenantha A. Rich. & Galeotti]

{BCS: Rebman 5759 (SD 143165)}

This very rare native species has only been collected a few times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

THICK-HORN BOG ORCHID

Habenaria jaliscana S. Watson

{BCS: M. Domínguez L. 2739 (HCIB 12367)}

This very rare native species has only been collected a few times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: CA, OR

MEXICAN LADY’S TRESSES

Habenaria laeveicans Fernald

[syn = Habenaria quinqueseta (Michx.) Eaton misappl.]

BCS endemic.

{BC: T.S. Brandegee s.n., 27 Sep 1899 (UC 178664)}

This very rare native species has only been collected a few times with historical vouchers in the SLL of BCS. The type specimen is from BCS and it is not known if this species occurs elsewhere.

Ecoregions: CPM

CAPE BOG ORCHID

Habenaria mitoides Garay & W. Kittr. ex McVaugh

{BCS: M. Domínguez L. 2736 (HCIB 12367)}

This very rare native species has only been collected a few times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico, TX, Central America

HABANERIA LADY’S TRESSES

Habenaria michuacana (Lex.) Garay & W. Kittr. ex McVaugh

[syn = Spiranthes michuacana (Lex.) Hemsl., Schiedeella michuacana (Lex.) Balogh, Stenorrhynchos michuacanum (Lex.) Lindl.]

{BCS: Rebman 5759 (SD 143164)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: Widespread in Mexico, TX, Central America

SCARLET LADY’S TRESSES

Habenaria rosea Lindl.

[In Wiggins as Arethusa rosea (Lindl.) Hemsl., Bletia rosea (Lindl.) Dressler illeg.]

{BCS: León de la Luz 9695 (SD 147276)}

This very rare native species has only been collected a few times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central America

SOUTH COAST ORCHID
This very rare native species has only been collected once in the SLL of BCS and the specimen needs to be verified that it is different from *H. crassicornis*.

Ecoregions: CPM; Wider distrib.: JAL, NAY

**Habenaria novemfida** Lindl.

[syn = Habenaria diplolepis Schltr., Habenaria quinquefolia Schltr.]

{BCS: León de la Luz 734 (HCIB 16274)}

This very rare native species has only been collected a couple of times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SIN, Widespread in Mexico, Central America

**GUAJARATA BOG ORCHID**


**Hexalectris grandiflora** (A. Rich. & Galeotti) L.O. Williams

{BCS: M. Domínguez L. 2064 (HCIB 9299)}

This very rare native species has only been collected once in the SLL of BCS and the specimen needs to be verified that it is different from *H. warnockii*.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ, TX

**TEXAS CRESTED CORALROOT**

**Hexalectris warnockii** Ames & Correll


{BCS: León de la Luz 3773 (HCIB 16279)}

This very rare native species has only been collected a few times in the SLL of BCS and has been reported for the SGUA.

Ecoregions: CPM; Wider distrib.: SON, CHH, AZ, TX

**ARIZONA ADDER’S-MOUTH ORCHID**

**Malaxis abieticola** Salazar & Soto Arenas

[In Wiggins as Malaxis tenuis (S. Watson) Ames]

{BCS: D.E. Breedlove 43292 (CAS 604665)}

This very rare native species has only been collected in the vicinity of Cerro Blanco to the northeast of Ensenada.

Ecoregions: CPM; Wider distrib.: BCS: León de la Luz 734 (HCIB 16274)

**PLATANThERA BOG ORCHID**

**Malaxis corymbosa** (S. Watson) Kuntze

{BCS: Rehman 5805 (SD 145420)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ, n Central America

**HUACHUCA MOUNTAIN ADDER’S-MOUTH ORCHID**

**Malaxis soulei** L.O. Williams

[syn = Malaxis montana (Rothr.) Kuntze, Malaxis macrostachya (Lex.) Kuntze]

{BCS: Rehman 5813 (SD 145419)}

This rare native species occurs in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, AZ, NM, TX, Central America

**CHIRICAHUA ADDER’S-MOUTH ORCHID**

**Malaxis unifolia** Michx.

{BCS: Rehman 5805 (SD 145418)}

This very rare native species has only been collected a couple of times in the SLL of BCS.

Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, e USA, e Canada, West Indies, Central America

**GREEN ADDER’S-MOUTH ORCHID**

**Piperia cooperi** (S. Watson) Rydb.

{syn = Habenaria cooperi S. Watson, Platanthera cooperi (S. Watson) R.M. Bateman, Piperia lancifolia Rydb.}

Status in CFP: 2A; Listed: CNPS 4.2.

{BC: Moran 27163 (SD 102357)}

This very rare native species is only known from a couple of specimens collected in the vicinity of Ensenada in nw BC and on South Coronado Island.

Ecoregions: CPM; Wider distrib.: CA

**COOPER REIN ORCHID, CHAPARRAL REIN ORCHID**

**Piperia elongata** Rydb.

{syn = Platanthera elongata (Rydb.) R.M. Bateman, Habenaria longispica (Durand) Parish, Piperia longispica (Durand) Rydb.}

Status in CFP: 2B.

{BC: Moran 17591 (SD 75805)}

This very rare native species is only known from one specimen collected in the vicinity of Cerro Blanco to the northeast of Ensenada in nw BC.

Ecoregions: CHA; Wider distrib.: w USA, w Canada

**DENSE-FLOWER REIN ORCHID, WOOD REIN ORCHID**

**Piperia leptopetala** Rydb.

{syn = Platanthera leptopetala (Rydb.) R.M. Bateman}

Status in CFP: 2B; Listed: CNPS 4.3.

{BC: Moran 16156 (SD 73039)}

This very rare native species is only known from one specimen collected in the vicinity of Cerro Blanco to the northeast of Ensenada in nw BC.

Ecoregions: CHA; Wider distrib.: w USA

**NARROW-PETAL REIN ORCHID**

**Platanthera dilatata** (Pursh) L.C. Beck var. *leucostachys* (Lindl.) Luer

[In Wiggins as Habenaria dilatata (Pursh) Hook. var. leucostachys (Lindl.) Ames; syn = Habenaria leucostachys (Lindl.) S. Watson, Platanthera leucostachys Lindl., Limnorchis graminifolia Rydb.]

Status in CFP: 2B.

{BC: Moran 30966 (SD 127276)}

This very rare native orchid has only been collected once in our region from a specimen collected in the vicinity of Cerro Blanco to the northeast of Ensenada in nw BC.

Ecoregions: CMT; Wider distrib.: w USA, w Canada

**WHITE-FLOWER BOG ORCHID, SIERRA BOG ORCHID**

**Platanthera spasiflora** (S. Watson) Schltr.

[In Wiggins as Habenaria spasiflora S. Watson]

Status in CFP: 2B.

{BC: Rehman 13598 (SD 176728)}

This rare species occurs in the SJ & SSPM of n BC.

Ecoregions: CMT; Wider distrib.: SON, w USA

**SPACE-FLOWER BOG ORCHID**

**Prescotia sp.**

{BCS: M. Domínguez L. 4074 (SD 189116)}

This very rare species collected in the SLL of BCS has not yet been determined to species and its affinities to Schiedeella affinis should be examined.

Ecoregions: CPM

**PRESCOTT ORCHID**

**Sacoila lanceolata** (Aubl.) Garay

[syn = Spiranthes lanceolata (Aubl.) León, Spiranthes jaliscana S. Watson]

{BCS: M. Domínguez L. 741 (HCIB 16274)}

This very rare native species has only been collected once in the SLL of BCS.
Achnatherum diegoense (Swallen) Barkworth
[In Wiggins as Stipa diegoensis Swallen]
Status in CFP: 2A; Listed: CNPS 4.2.
{BC: Moran 15917 (SD 73331)}
This uncommon native perennial occurs along the immediate Pacific coast in nw BC from the USA/Mexico border south to the vicinity of San Quintín, and on Todos Santos Island.
Ecoregions: CSS, CSU, PI (Todos Santos); Wider distrib.: CA SAN DIEGO NEEDLEGRASS

Achnatherum parishii (Vasey) Barkworth subsp. parishii
[syn = Stipa coronata Thurber subsp. parishii (Vasey) Hitchch., Stipa parishii Vasey]
{BC: Moran 17653 (SD 75034)}
This uncommon native perennial occurs in extreme nw BC on the western slopes of the SJ.
Ecoregions: CHA, CMT; Wider distrib.: sw USA PARISH NEEDLEGRASS

Agrostis exarata Trin.
Status in CFP: 4.
{BC: Moran 14251 (SD 76644); BCS: A. Carter 3363 (UC 1099785)}
This highly variable native species grows most commonly in nw BC, but also in the SLL of BCS. Specimens from the higher elevations of the SSPM identified as A. blasdalei Hitch. are small forms of this species.
Ecoregions: CSS, CHA, CMT, CPM; Wider distrib.: SON, CHH, c & w USA, w Canada SPIKE BENTGRASS, SPIKE REDITOP

Agrostis hyemalis (Walt.) Britton, Sterns, & Poggenb.
{BC: M. Domínguez L. 1009 (SD 140768)}
This species is only known in our region from the SLL of BCS. It is closely related and often confused with A. scabra of more northern regions.
Ecoregions: CPM; Wider distrib.: c & n Mexico, c & e USA, e Canada WINTER BENTGRASS

Agrostis microphylla Steud.
Status in CFP: 2B.
{BC: Moran 28447 (SD 105174)}
This rare, native annual occurs near vernal pools in the vicinity of Colonet in nw BC.
Ecoregions: CSU; Wider distrib.: w USA, w Canada SMALL-LEAF BENTGRASS

Agrostis pallen Trin.
[In Wiggins as Agrostis diegoensis Vasey; syn = Agrostis pallen Trin. var. vaseyi St. John]
Status in CFP: 4.
{BC: Moran 28770 (SD 105407)}
This uncommon native grass occurs in coastal nw BC and on adjacent Los Coronados island.
Ecoregions: CSS, CSU, PI (Coronados); Wider distrib.: w USA, w Canada SEASHORE BENTGRASS, SAN DIEGO BENTGRASS, DUNE BENTGRASS

Agrostis scabra Willd.
[syn = Agrostis scabra var. geminata (Trin.) Swallen]
Status in CFP: 4.
{BC: Moran 14276 (SD 76642); BCS: León de la Luz 648 (HCIB 22)}
This uncommon native grass occurs in the SSPM of BC and rarely in the SLL of BCS.

Achnatherum bracteatum (Swallen) Valdés-Reyna & Barkworth
[syn = Stipa bracteata Swallen]
{BC: Wiggins 5153 (DS 261402)}
This very rare BC endemic perennial is only known from the type specimen collected in April 1931 from 25 miles north of Ensenada in nw BC.
Ecoregions: CSS BAJA CALIFORNIA NEEDLEGRASS

Achnatherum coronatum (Thurber) Barkworth
[In Wiggins as Stipa coronata Thurber. in S. Watson]
{BC: Moran 17715 (SD 75141)}
This large native perennial occurs mostly in nw BC, but also in the SASAM & SBOR.
Ecoregions: CSS, CHA, CMT, CSU, CD; Wider distrib.: CA CRESTED NEEDLEGRASS, GIANT NEEDLEGRASS
*Agrostis stolonifera* L.

[syn = Agrostis stolonifera var. palustris (Huds.) Pers., Agrostis palustris Huds.]

{BC: Moran 14466 (SD 76638)}

This non-native perennial has naturalized only in the SSPM of nw BC in our region.

Ecoregions: CMT, Wider distrib.: Native to Europe, introduced & widespread in USA & Canada

**ROUGH BENTGRASS, ROUGH TICKLEGRASS**

*Agrostis variabilis* Rydb.

{BC: Moran 15395 (SD 68888)}

This rare native species occurs in meadows at the highest elevations in the SSPM of nw BC.

Ecoregions: CHA, Wider distrib.: w USA & w Canada

**CREeping BENTGRASS**

*Alopecurus aequalis* Sobol. var. *aequalis*

Status in CFP: 4.

{BC: Sanders 7894 (SD 125855)}

This annual grass is rare in our region and occurs in the higher foothills of the SSPM in nw BC.

Ecoregions: CHA, Wider distrib.: Widespread in USA & Canada, Eurasia

**SHORT-AWN FOXTAIL**

*Alopecurus saccatus* Vasey

[In Wiggins as Alopecurus howellii Vasey; syn = Alopecurus californica Vasey]

Status in CFP: 2B.

{BC: Moran 29577 (SD 108523)}

This annual grass is rare in our region and occurs in the higher foothills of the SSPM in nw BC.

Ecoregions: CSS, CSU, Wider distrib.: Sonoran, widespread in Mexico, s USA, Central & South America

**PACIFIC MEADOW FOXTAIL, HOWELL FOXTAIL**

*Andropogon glomeratus* (Walter) Britton, Sterns & Poggenb. var. *pumilus* (Vasey) L.H. Dewey

{BC: M. Domínguez L. 917 (SD 151750)}

This rare variety occurs in the SLL of BCS & differs from var. *scabriglumis* in having narrower inflorescence bracts that are not scabrous.

Ecoregions: CPL, CPM; Wider distrib.: Scattered in Mexico, s USA, Central & South America

**BUSHY BLESSTEM**

*Andropogon glomeratus* (Walter) Britton, Sterns & Poggenb. var. *scabriglumis* C.S. Campbell

[In Wiggins as Andropogon glomeratus var. scabriglumis]

{BC: Moran 11371 (SD 59894); BCS: D.E. Breedlove 62574 (RSA 497762)}

This uncommon variety occurs along the lower eastern sides of the SJ & SSPM in BC, near Misión Santa María in the CD region and on the VPEN in nw BCS.

Ecoregions: CHA, LCD, CD, TD; Wider distrib.: SON, nw Mexico, sw USA

**SOUTHWESTERN BUSHY BLESSTEM**

*Anthemephora hermannioides* (L.) Kuntze

[syn = Anthemephora elegans Schreb.]

{BC: Gould 12146 (SD 69886)}

This annual grass occurs commonly at lower elevations in the Cape region of BCS, and rarely in the MAG region.

Ecoregions: GCD, MAG, CPL; Wider distrib.: SON, SIN, w Mexico, tropical America, introduced in FL

**OLDFIELD GRASS**


*Aristida adscensionis* L.

[syn = Aristida adscensionis var. abortiva Beetle, Aristida fasciculata Torr., Aristida heymannii Regel, Aristida adscensionis var. heymannii (Regel) Tzvelev, Aristida adscensionis var. decolorata (E. Fourn.) Beetle, Aristida adscensionis var. modesta Hack., Aristida dispersa Trin. & Rupr.]

{BC: Moran 24990 (SD 98158); BCS: Reeder 7621 (SD 158030)}

This very common annual grass occurs throughout the peninsula and on many adjacent islands.

Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, TD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, sc & sw USA, worldwide

**SIX-WEEKS THREE-AWN, ZACATE TRES BARBAS, ZACATE TRES ARISTAS, TRES ARISTAS DE AGUA, ZACATE LIEBRE**

*Aristida arizonica* Vasey

Status in CFP: 2B.

{BC: Moran 14190 (SD 76634)}

This very rare perennial is only known in our region from one specimen in the higher elevation of the SSPM in BC.

Ecoregions: CMT, Wider distrib.: SON, n Mexico, AZ, CO, NM, NV, OK, TX, UT

**ARIZONA THREE-AWN**

*Aristida californica* Thurb. var. *californica*


[In Wiggins as Aristida californica var. pensularis Hitchc.]

{BC: Patricia West 98-155 (SD 145888); BCS: Reeder 7096 (SD 116090)}

This infrequent native perennial is scattered down the peninsula and on adjacent Gulf islands, but is rare in nw BC, at higher elevations, & is absent from the Cape region.

Ecoregions: CSU, LCD, TD, GCD, MAG; Wider distrib.: SON, AZ, CA

**CALIFORNIA THREE-AWN, TRES BARBAS DE CALIFORNIA, ZACATE TRES ARISTAS**

*Aristida californica* Thurb. var. *glabra* Vasey

[In Wiggins as Aristida glabra (Vasey) Hitchc.]

{BC: Reeder 7221 (SD 116037); BCS: Reeder 7009 (SD 116090)}

This uncommon native perennial differs from var. californica in having glabrous stems & occurs mostly in s BCS in the Cape region, but rarely in BC in the vicinity of San Matías Pass.

Ecoregions: LCD, GCD, MAG, CPL, CPM; Wider distrib.: SON, AZ

**SANTA RITA THREE-AWN, ZACATE TRES ARISTAS**

*Aristida divaricata* Humb. & Bonpl. ex Willd.

[In Wiggins as Aristida palmata Vasey, Aristida humboldtiana Trin. & Rupr.]

Status in CFP: 4.

{BC: Moran 13445 (SD 63611)}

This native perennial is rather rare in nw BC in the vicinity of the SJ.
**Aristida havardii** Vasey

[syn = Aristida barbata E. Fourn.]

{BC: Moran 9757 (SD 60149)}

This rare native perennial occurs in BC in the vicinity of San Matías Pass and in the SBOR.

Ecoregions: CHA, CD; Wider distrib.: SON, c & n Mexico, AZ, CO, KS, NM, OK, TX

Havard Three-Awn; Tres Aristas Barbado

**Aristida purpurea** Nutt. var. fendleriana (Steud.) Vasey

[In Wiggins as Aristida fendlerianna Steud.]

Status in CFP: 4.

{BC: Moran 27827 (SD 103377)}

This uncommon native perennial occurs in the SJ & SSPM of nw BC.

Ecoregions: CHA, CMT; Wider distrib.: SON, w USA

Fendler Three-Awn

**Aristida purpurea** Nutt. var. longiseta (Steud.) Vasey

[In Wiggins as Aristida longiseta Steud. var. robusta Merr.]

Status in CFP: 2B.

{BC: Brey 53 (SD 122756)}

This uncommon native perennial occurs in the SJ in nw BC.

Ecoregions: CHA, CMT; Wider distrib.: SON, w USA & Canada

Red Three-Awn; Tres Aristas Rojo

**Aristida purpurea** Nutt. var. nealleyi (Vasey) Allred

[In Wiggins as Aristida glauca (Nees) Walp.: syn = Aristida purpurea var. glauca (Nees) A. Holmgren & N. Holmgren]

{BC: Moran 24933 (SD 97922)}

This native perennial occurs mostly in n BC in the vicinity of San Matías Pass, but also in the SASAM of c BC.

Ecoregions: CHA, LCD, CD; Wider distrib.: SON, c & n Mexico, sw USA

Nealley Three-Awn, Blue Three-Awn; Tres Aristas Rojo

**Aristida purpurea** Nutt. var. parishii (Hitchc.) Allred

[In Wiggins as Aristida parishii Hitchc.; syn = Aristida wrightii Nash var. parishii (Hitchc.) Gould]

Status in CFP: 2B.

{BC: R.F. Thorne 57518 (RSA 330367)}

This rare native perennial occurs in the vicinity of San Matías Pass in n BC.

Ecoregions: CHA, LCD; Wider distrib.: AZ, CA, NV

Parish Three-Awn; Tres Barbas

**Aristida purpurea** Nutt. var. purpurea

[In Wiggins as Aristida purpurea no vars.]

{BC: Brey 185 (SD 133670)}

This rare native perennial is only known in our region from the lower eastern side of the SJ in n BC.

Ecoregions: LCD; Wider distrib.: SON, scattered in Mexico, sc & sw USA, Cuba

Purple Three-Awn; Tres Barbas

**Aristida schiedeana** Trin. & Rupr. var. orcuttiana (Vasey) Allred & Valdés-Reyna

[In Wiggins as Aristida orcuttiana Vasey]

Status in CFP: 4.

{BC: Moran 24418 (SD 97756)}

This uncommon native perennial occurs sporadically on sky islands in BC from the SJ to the SLIB.

Ecoregions: CHA, CMT, CD; Wider distrib.: SON, n Mexico, sw USA

Orcutt Three-Awn

**Aristida schiedeana** Trin. & Rupr. var. schiedeana

[syn = Aristida purpusiana Hitchc.]

{BCS: M. Domínguez L. 2630 (SD 143642)}

This rare native perennial occurs in the Cape region and on adjacent Espíritu Santo Island in BCS. It differs from var. orcuttiana by having puberulent glumes that are almost equal in length & leaf sheaths with long pilose hairs.

Ecoregions: CPL, CPM; Wider distrib.: SIN, scattered in Mexico, Central America

Single Three-Awn

**Aristida ternipes** Cav. var. gentilis (Henrard) Allred

[In Wiggins as Aristida hamulosa Henrard; syn = Aristida gentilis Henrard, Aristida ternipes var. hamulosa J. S. Trent, Aristida humboldtiana Trin. & Rupr. var. minor Vasey]

Status in CFP: 4.

{BC: Moran 24949 (SD 98197); BCS: León de la Luz 8952 (HCIB 10103)}

This uncommon native perennial occurs mostly in n BC in the SJ & SSPM, but ranges south to the SBOR & SSF.

Ecoregions: CHA, CMT, CD; Wider distrib.: SON, mostly n Mexico, sw USA, Central America

Hook Three-Awn; Zacate Araña de Tres Barbas, Zacate Tres Aristas, Tres Aristas Arqueado, Zacate Quebrador

**Aristida ternipes** Cav. var. ternipes

[In Wiggins as Aristida ternipes no vars.; syn = Aristida scabra (Kunth) Kunth]

{BC: Rebmam 18627 (SD 200245); BCS: Moran 21356 (SD 88045)}

This native perennial usually has only one long awn and occurs rarely in s BC in the SLIB, but is widespread in most of BCS.

Ecoregions: CD, GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, West Indies, Central & South America

Spider Grass; Zacate Araña, Zacate Tres Aristas

*Arundo donax* L.

{BC: Moran 15716 (SD 69350); BCS: C.F. Harbison s.n., 11 Nov 1952 (SD 45011)}

This large non-native perennial is commonly planted in our region, readily naturalizes, and has been documented throughout the peninsula and on Cedros Island, but is especially common in nw BC.

Ecoregions: CSS, CSU, PI (Cedros), GCD, GIG, CPL, CPM; Wider distr.: Native to Europe, introduced in SON, SIN, widespread in Mexico, s USA, a worldwide weed

GIANT REED; CARRIZO

*Avena barbata* Link

{BC: Moran 6759 (SD 47577)}

This non-native annual grass occurs commonly in mw BC and on adjacent Pacific islands.

Ecoregions: CSS, CHA, CS, PI; Wider distr.: Native to s Europe, introduced in w USA, n Africa, India

SLENDER WILD OAT

*Avena fatua* L.

[syn = Avena fatua var. vilis (Wallr.) Hausskn.]

{BC: Moran 15716 (SD 101524)}

*Arundo donax* L.

{BC: Moran 15716 (SD 69350); BCS: C.F. Harbison s.n., 11 Nov 1952 (SD 45011)}

This large non-native perennial is commonly planted in our region, readily naturalizes, and has been documented throughout the peninsula and on Cedros Island, but is especially common in nw BC.

Ecoregions: CSS, CSU, PI (Cedros), GCD, GIG, CPL, CPM; Wider distr.: Native to Europe, introduced in SON, SIN, widespread in Mexico, s USA, a worldwide weed

GIANT REED; CARRIZO

*Avena barbata* Link

{BC: Moran 6759 (SD 47577)}

This non-native annual grass occurs commonly in mw BC and on adjacent Pacific islands.

Ecoregions: CSS, CHA, CS, PI; Wider distr.: Native to s Europe, introduced in w USA, n Africa, India

SLENDER WILD OAT

*Avena fatua* L.

[syn = Avena fatua var. vilis (Wallr.) Hausskn.]

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This large non-native perennial is commonly planted in our region, readily naturalizes, and has been documented throughout the peninsula and on Cedros Island, but is especially common in nw BC.

Ecoregions: CSS, CSU, PI (Cedros), GCD, GIG, CPL, CPM; Wider distr.: Native to Europe, introduced in SON, SIN, widespread in Mexico, s USA, a worldwide weed

GIANT REED; CARRIZO

*Avena barbata* Link

{BC: Moran 6759 (SD 47577)}

This non-native annual grass occurs commonly in mw BC and on adjacent Pacific islands.

Ecoregions: CSS, CHA, CS, PI; Wider distr.: Native to s Europe, introduced in w USA, n Africa, India

SLENDER WILD OAT

*Avena fatua* L.

[syn = Avena fatua var. vilis (Wallr.) Hausskn.]

{BC: Moran 15716 (SD 101524)}
This non-native annual grass occurs commonly in nw BC, on adjacent Pacific islands, & rarely in the CD region of BC.

Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: Native to Eurasia, introduced in SON, SIN, widespread in Mexico, USA, & Canada

**WILD OAT**; **AVENA SILVESTRE, AVENA CMMARRONA, AVENA LOCA**

*Avena sativa* L.  
[syn = Avena fatua L. var. sativa (L.) Hausskn., Avena sativa var. orientalis (Schreb.) Alef.]  
{BC: Moran 28599 (SD 105293)}

This non-native annual rarely naturalizes for long periods and occurs in nw BC.

Ecoregions: CSS, CHA; Wider distrib.: Native to Eurasia, introduced in SON, widely planted and occasionally naturalizes throughout Mexico, USA, Canada, & worldwide

**CULTIVATED OAT**; **COMMON OAT**; **AVENA**

*Bambusa vulgaris* Schrad.  
{BC: Arroyo/Mora/Ortiz s.n., 23 Nov 1982 (BCMEX 570)}  
This non-native grass is infrequently planted in our region, but is only known to naturalize rarely in the vicinity of Ensenada in nw BC.

Ecoregions: CSS; Wider distrib.: Native to tropical Asia, introduced in FL, SC, West Indies

**COMMON BAMBOO**; **BAMBU**

*Bothriochloa barbinodis* (Lagasca) Herter  
[In Wiggins as Andropogon barbinodis Lag.; syn = Bothriochloa barbinodis var. perforata (E. Fourn.) Gould, Andropogon palmeri (Hack.) Gould]  
{BC: Moran 18635 (SD 79934); BCS: J. Pérez Navarro 1001 (SD 142194)}  
This native perennial grass occurs throughout most of the peninsula, especially in higher elevation sky islands and along the roads in nw BC.

Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, GIG, CPL, CPM; Wider distrib.: SON, widespread in Mexico at higher elevations, sw USA, FL, TX, Central & South America

**CANE BLUESTEM; ZACATE POPOTILLO, POPOTILLO ALGODONOSO**

*Bothriochloa ischaemum* (L.) Keng  
{BCS: M. Domínguez L. 665 (HCIB 3549)}

This non-native perennial has reddish or purplish panicles and is often planted for erosion control or as a forage crop. It is rare in our region and occurs in the SLL of BCS.

Ecoregions: PCM; Wider distrib.: Native to Eurasia, introduced in SON, SIN, widespread in Mexico, USA, Canada, South America

**YELLOW BLUESTEM**

*Bothriochloa saccharoides* (Sw.) Rydb.  
[In Wiggins as Andropogon saccharoides Sw.]  
{BCS: J. Pérez Navarro 1001 (HCIB 10303)}  
This native perennial is most common in n BC, but occurs rarely on sky islands in the CD and GIG region as far south as the SGIG. This species is often confused with B. reflexa which has shorter glumes and is more common in BC.

Ecoregions: CHA, CMT, LCD, CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, n Mexico, sc & sw USA, South America

**SIDE-OATS GRAMA; ZACATE BANDERILLA**

*Bouteloua aristidoides* (Kunth) Griseb.  
[syn = Bouteloua aristidoides var. arizonica M.E. Jones]  
{BC: Macías 509 (SD 165109); BCS: Rebman 3369 (SD 139371)}

This common annual grass occurs throughout much of the peninsula & on adjacent Gulf islands where summer rain is abundant. It is especially common in BCS and rare in nw BC.

Ecoregions: CHA, CMT, LCD, CD, GCD, GIG, CPL, CPM; Wider distrib.: SON, SIN, n Mexico, sc & sw USA, South America

**NEEDLE GRASS, SIX-WEEKS NEEDLE GRAMA, NEEDLE GRAMA; ACEITIL-LA, ZACATE DE HORMIGA, NAVAJITA AGUA**

*Bouteloua barbata* Lag. var. *barbata*  
[In Wiggins as Bouteloua barbata Lag.; syn = Bouteloua polyastachya (Benth.) Torr., Bouteloua arenosa Vasey, Bouteloua sonorae Griffiths, Bouteloua barbata var. sonorae (Griffiths) Gould, Chondrosum barbatum (Lag.) Clayton, Bouteloua barbata var. major (Vasey) Govaerts, Chondrosum polyastachyum Benth.]  
{BC: Macías 505 (SD 162835); BCS: Rebman 3358 (SD 139728)}

This common annual grass occurs throughout much of the peninsula & on adjacent Gulf islands where summer rain is abundant. It is especially common in BCS and rare in nw BC.

Ecoregions: CHA, CMT, LCD, CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, n Mexico, sc & sw USA, South America

**SIX-WEEKS GRAMA; NAVAJITA, ZACATE LIEBRERO, NAVAJITA ANÚAL**

*Bouteloua curtipendula* (Michx.) Torr.  
[syn = Bouteloua curtipendula Torr. var. caespitosa Gould & Ka-padia]  
{BC: Rebman 5534 (SD 145605); BCS: Rebman 4733 (SD 142285)}  
This native perennial is most common in n BC, but occurs rarely on sky islands in the CD and GIG region as far south as the SGIG. This species is often confused with B. reflexa which has shorter glumes and is more common in BC.

Ecoregions: CHA, CMT, LCD, CD, GIG, CPL, CPM; Wider distrib.: SON, widespread in Mexico, USA & Canada, South America

**SIDE-OATS GRAMA; ZACATE BANDERILLA**

*Bouteloua hirsuta* Lag. subsp. *hirsuta*  
[In Wiggins as Bouteloua hirsuta Lag.; syn = Bouteloua hirsuta var. glandulosa (Cerv.) Gould, Bouteloua hirticulmis Scribn., Chondros-um hirsutum (Lag.) Sweet]  
{BC: Moran 18117 (SD 76463); BCS: Rebman 5198 (SD 142436)}  
This uncommon native perennial occurs sporadically on sky island mountains the length of the peninsula from the SJ to the SLL.

Ecoregions: CMT, CD, GIG, CPL; Wider distrib.: SON, SIN, widespread in Mexico & USA, Central America

**HAIRY GRAMA; NAVAJITA VELLUDA**

*Bouteloua parryi* (E. Fourn.) Griffiths  
[syn = Bouteloua gentryi Gould, Bouteloua parryi var. gentryi (Gould) Gould, Chondrosium parryi E. Fourn.]  
{BCS: Rebman 4287 (SD 143682)}

This rare native annual is only known from the SGUAD of n BC in our region. This species is similar looking to B. barbata var. b., but differs in having bulbose-based hairs on the herbage.

Ecoregions: GIG; Wider distrib.: SON, SIN, n Mexico, AZ, NM, TX

**PARRY GRAMA**

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*Jon P. Rebman, Judy Gibson, and Karen Rich*
Bouteloua reflexa Swallen
{BC: Moran 9080 (SD 61451)}
This native perennial occurs in BCS from the vicinity of Loreto south to the Cape region and on adjacent Gulf islands. This species is similar to B. curtipendula, but differs in having shorter glumes. Ecoregions: GCD, GIG, CPL; Wider distrib.: SON, SIN
Gulf Grama; Zacate Mateado

Bouteloua repens (Kunth) Scribn. & Merr.
{In Wiggins as Bouteloua filiformis (Fourn.) Griffiths]
{BC: Gould 12150 (SD 69876)}
This native perennial occurs throughout many of the sky islands of BCS from the SQUAD to the Cape region. Ecoregions: GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central & South America
Slender Grama; Navajita Pelillo, Navajita Delgada, Zacate Sabanilla

Bouteloua simplex Lag.
{syn = Chondrosum simplex (Lag.) Kunth]
{BC: M. Domínguez L. 2620 (SD 143638)}
This native annual occurs in the Cape region at San José del Cabo and in the SLL of BCS. Ecoregions: CPL, CPM; Wider distrib.: SON, widespread in Mexico, c & s USA, Central & South America
Mat Grama

Bouteloua trifida Thurb.
{syn = Chondrosum trifidum Thurb. ex. S. Watson, Chondrosum tri-nii E. Fourn.}
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Moran 24797 (SD 98321)}
This rare native perennial is only known from our region in the vicinity of San Matías Pass in n BC. Ecoregions: LCD; Wider distrib.: SON, n Mexico, sc & sw USA
Red Grama; Navajita China

*Brachypodium distachyon (L.) P. Beauv.
{syn = Chondrosum distachya (L.) Link, Bromus distachys L.}
{BC: Moran 24176 (SD 97217)}
This non-native annual grass is still very rare in our region and only known from nw BC. Ecoregions: CSS; Wider distrib.: Native to s Europe, introduced in CA, CO, OR, TX
Purple False Brome

Brachypodium mexicanum (Roem. & Schult.) Link
{BC: D.E. Breedlove 43359 (CAS 605640)}
This native perennial is rare in the SLL of BCS. Ecoregions: CPM; Wider distrib.: Widespread in Mexico, Central & South America
Mexican False Brome

Bromus anomalus Rupr. ex Fourn.
{syn = Bromus meyeri Swallen}
{BC: M. Domínguez L. 2632 (SD 143637)}
This native grass is only known in our region from the SLL in BCS. Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, NM, TX, Central America
Nodding Brome, Mexican Brome; Bromo Dormillon

Bromus arizonicus (Shear) Stebbins
Status in CFP: 4.
{BC: Moran 17048 (SD 76825)}
This native annual grass occurs mostly in nw BC. It should be noted that this species is part of the B. carinatus complex and some authors lump it into this perennial species, but more taxonomic study is needed. Ecoregions: CSS, CSU, PI, CD; Wider distrib.: AZ, CA, NM, NV
Arizona Brome

Bromus berteroanus Colla
{In Wiggins as Bromus trinii Desv.; syn = Bromus trinii var. majus (Vasey) Louis-Marie, Bromus barbatum var. major Vasey}
{BC: Moran 20532 (SD 86929)}
This species is likely native to our region and occurs throughout much of BC except the northeastern portion. Ecoregions: CSS, CSU, PI, CD; Wider distrib.: SON, sw USA
Chilean Chess

Bromus carinatus Hook & Arn. var. marginatus (Nees) Barkworth & Anderton
{In Wiggins as Bromus marginatus Nees; syn = Bromus sitchensis Trin. var. marginatus (Nees) Boivin, Bromus breviaristatus Buckley}
Status in CFP: 3.
{BC: Moran 14327 (SD 76640)}
This native perennial grass occurs mostly at higher elevations in the SJ & SSPM, but also rarely near the coast & foothills of nw BC. Ecoregions: CSS, CHA, CMT; Wider distrib.: SON, SIN, widespread in Mexico, w USA, w Canada, Central America
California Brome; Zacate, Bromo de California, Basicaàaire, Masyague, Pilillo

Bromus carinatus Hook & Arn. var. marginatus (Nees) Barkworth & Anderton
{syn = Bromus laciniatus Beal, Bromus subvelutinus Shear}
Status in CFP: 3.
{BC: Moran 31084 (SD 133872)}
This native perennial grass occurs commonly in nw BC, on adjacent Pacific islands, & rarely in the northwestern CD region. It differs from var. carinatus by having awns shorter than 7 mm. Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: SON, SIN, widespread in Mexico, w USA, w Canada, Central America
Mountain Brome

*Bromus catharticus Vahl
{syn = Bromus unioloides Kunth, Bromus willdenowii Kunth}
{BC: Moran 19106 (SD 83043)}
This non-native annual is rare in our region and occurs in extreme nw BC. If vars. are recognized, the taxon in BC is var. catharticus. Ecoregions: CSS, CHA; Wider distrib.: Native to South America, introduced in Sonora & widespread in Mexico, widespread in USA & Canada, Europe, Australia, New Zealand
Rescue Brome, Prairie Grass, Rescue Grass, Bromo Cebadilla, Cebadilla, Zacate de Rescate

*Bromus diandrus Roth
{In Wiggins as Bromus rigidus Roth misappl.}
{BC: Wiggins 77 (SD 48313)}
This non-native annual grass occurs commonly in nw BC and on adjacent Pacific islands. Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distrib.: Native to Europe, introduced in central Mexico, widespread in USA & Canada, South America
Ripgut Brome, Great Brome, Bromo Fragil

*Bromus hordeaceus L.
{In Wiggins as Bromus mollis L., Bromus molliformis Lloyd}
{BC: Moran 6642 (SD 47592); BC: M. Domínguez L. 4073 (SD 188570)}
This non-native annual grass occurs commonly in nw BC and on adjacent Pacific islands, but is still very rare in the SLL of BCS.
Ecoregions: CSS, CHA, CSU, PI, CD, CPM; Wider distrib.: Native to Mediterranean basin, introduced & widespread in USA, Canada, Europe, Africa, Australia
SOFT CHESS, SOFT BROME, LOFGRASS

*Bromus madritensis* L.
[syn = Bromus madritensis L. subsp. madritensis]
{BC: Rebman 5046 (SD 144705)}
This non-native annual grass occurs rarely in extreme nw BC and on Guadalupe Island.
Ecoregions: CSS, PI (Guadalupe); Wider distrib.: Native to Mediterranean region & Europe, introduced in w USA
FOXTAIL CHESS, COMPACT BROME, MADRID BROME, SPANISH BROME

*Bromus pseudoleaeipes* Wagner
{BC: P.M. Peterson & J. Cayouette 15211 (US 3541865)}
This native species is very rare in nw BC and has only been documented once from the lower northern foothills of the SSPM.
Ecoregions: CHA; Wider distrib.: CA
WOODLAND BROME, COAST RANGE BROME

*Bromus richardsonii* Link
[In Wiggins as Bromus ciliatus L. misappl.; syn = Bromus ciliatus var. richardsonii (Link) Tzvelev, Bromus microglumis Wagner, Bromus thyssanoglottis Soderstrom & Beaman]
Status in CFP: 4.
{BC: Moran 15408 (SD 68941); BCS: Moran 18751 (SD 80246)}
This native perennial grass occurs mostly at higher elevations in the SSPM, but also on Cerro Azufre & in the SLL in BCS.
Ecoregions: CMT, VD, CPM; Wider distrib.: n & c Mexico, w USA & w Canada
RICHARDSON BROME

*Bromus rubens* L.
[syn = Bromus madritensis L. subsp. rubens (L.) Husn.]
{BC: Valov 2010082 (SD 208210)}
This non-native annual grass occurs commonly in nw BC, on adjacent Pacific islands, and infrequently in the CD region to s BC.
Ecoregions: CSS, CHA, CSU, PI, CD; Wider distrib.: Native to Europe, introduced in SON, & w USA
RED BROME, FOXTAIL CHESS, FOXTAIL BROME; BROMO ROJO

*Bromus tectorum* L.
[syn = Bromus tectorum L. var. glabratus Spenn.]
{BC: Moran 15004 (SD 69302)}
This non-native annual grass is considered a serious invasive weed of the SJ & SSPM.
Ecoregions: CHA, CMT; Wider distrib.: Native to Eurasia, introduced in SON, CHH, COA, widespread in USA & Canada
CHEAT GRASS, DOWNY CHESS, DOWNY BROME, DROOPING BROME, EARLY CHESS, MILITARY GRASS, THATCH BROME


*Cenchrus brownii* Roem. & Schult.
{BC: Gould 11851 (SD 63187)}
This species occurs on sandy beach habitats of BCS from Loreto to La Paz. Although it is native to eastern Mexico, the populations in our region appear to be adventive.

Ecoregions: GCD; Wider distrib.: Native to e Mexico, FL, West Indies, Central & South America; introduced in SON, SIN, & w Mexico
SLIM-BRISTLE SANDSPUR; CADALLO AGLOMERADO

*Cenchrus ciliaris* L.
[syn = Pennisetum ciliaris (L.) Link]
{BC: Rebman 7099 (SD 159159); BCS: Rebman 3347 (SD 139366)}
This highly invasive non-native grass occurs commonly throughout the southern part of the peninsula and rarely in nw BC & the LCD region.
Ecoregions: CSS, CSU, LCD, CD, JD, GCD, MAG, CPL, CPM; Wider distrib.: Native to Africa, w Asia, introduced in SON, SIN, widespread in n Mexico, s USA, planted in warm, dry areas worldwide as a forage crop
BUFFELGRASS; BUFFEL, ZACATE BUFFEL

*Cenchrus clandestinus* (Chiov.) Morrone
[In Wiggins as Pennisetum clandestinum Chiov.]
{BC: Vanderplank & Ochoa 09052426 (RSA); BCS: Reeder & Reeder 7160 (ARIZ 2126435)}
This non-native species is planted throughout the peninsula in lawns and as a pasture grass, but rarely naturalizes outside of irrigated areas in our region.
Ecoregions: CSU, JD, Wider distrib.: Native to Africa, introduced as a worldwide weed
KIKUYU GRASS; PASTO KIKUYO

*Cenchrus echinatus* L.
[syn = Cenchrus echinatus var. hillebrandianus (A.S. Hitchc.) F. Br., Cenchrus insularis Scribn.]
{BC: Moran 25102 (SD 98608); BCS: R. Dominguez C. 1680 (SD 147257)}
This species is native to Mexico, but apparently non-native to our region. It occurs infrequently in much of BCS, but is rare in nw BC.
Ecoregions: CHA, JD, GCD, MAG, CPL; Wider distrib.: Native to s USA, e Mexico, Central & South America, introduced in SON, SIN, w Mexico, Old World
SOUTHERN SANDBUR; CADALLO AUSTRAL, HUISAPOL, ABOJO, ZACATE HUACHAPORE, GUACHAPORI, ZACATE TOROSO, ZACATE CADALLO

*Cenchrus longispinus* (Hackel) Fernald
[syn = Cenchrus carolinianus Walter]
{BC: E. Palmer 220 (US?)}
This very rare non-native species is known in our region by one historical specimen collected by Palmer in 1890 at Santa Agueda near Santa Rosalía in ne BCS.
Ecoregions: GCD; Wider distrib.: Native to ne Mexico, e Mexico, Central & South America, introduced in nw Mexico, w USA & Canada, Central & South America
MAT SANDBUR, LONG-SPIKE SANDBUR

*Cenchrus myosuroides* Kunth var. myosuroides
[syn = Cenchrus alopecuroides J. Presl]
{BC: T.S. Brandegee 4 (US 978745)}
This very rare non-native species is known in our region by one historical specimen collected by Palmer in 1890 at Santa Agueda near Santa Rosalía in ne BCS.
Ecoregions: GCD; Wider distrib.: Native to nw Mexico, c & e USA, introduced in nw Mexico, w USA & Canada, Central & South America
BIG SANDBUR; CADALLO ARENOSO

*Cenchrus palmeri* Vasey
{BC: Moran 6905 (SD 61458); BCS: Vinton 16 (SD 139794)}
This native grass is widespread on the peninsula from ne BC south to the Cape region and on adjacent Gulf islands. Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, AZ

PALMER SANDBUR; HUISAPOL, HUISAPOL GORDO, GUACHAPORI

*Cenchrus purpureus* (Schumach.) Morrone
[syn = Pennisetum purpureum Schumach.]
{BC: M. Domínguez L. 3188 (SD 160183)}
This large non-native perennial grass is often planted as an ornamental & a forage grass and rarely naturalizes in n BCS. Ecoregions: GIG; Wider distrib.: Native to Africa, introduced in SIN, grown as an ornamental & forage crop & naturalizes in other parts of Mexico & tropical regions worldwide
ELEPHANT GRASS, NAPHEX GRASS

*Cenchrus setaceus* (Forsk.) Morrone
[In Wiggins as Pennisetum setaceum (Forssk.) Chiov.; syn = Pennisetum ruppelii Steud.]
{BC: Rebman 16076 (SD 191472); BCS: Garcillan 456a (HCIB)}
This non-native grass is planted throughout the peninsula as an ornamental. Presently, it is documented as naturalizing most commonly in nw BC, but has also been collected near Todos Santos and Los Cabos in the Cape region & is reported for ne BC near Mexicali. It is expected to show up elsewhere in our region. Ecoregions: CSS, LCD, CPL; Wider distrib.: Native to Africa, introduced in SON, sw USA, FL, LA, grown as an ornamental & commonly naturalizes in other parts of the world
AFRICAN FOUNTAIN GRASS, CRIMSON FOUNTAIN GRASS

Cenchrus spinifex Cav.
[In Wiggins as Cenchrus pauciflorus Benth.; syn = Cenchrus incertus M.A. Curtis]
{BC: K. Thorne 1105 (RSA 576204); BCS: Rebman 3370 (SD 139367)}
This native species occurs throughout most of BCS, but is rare in s BC. This annual species is native, but likes disturbance and is probably expanding its range due to human impacts. Ecoregions: CD, VD, GCD, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, US South America
COAST SANDBUR, COMMON SANDBUR, FIELD SANDBUR, GRASSBUR; HUIZAPORI, GUACHAPORI, CADILLO DE PLAYA, ABROJO ROSETA, TOBOSO, ROSETILLA

*Chloris barbata* Sw.
[syn = Chloris inflata Link]
{BC: Rebman 3379 (SD 139726)}
This non-native annual occurs in the vicinity of La Paz and Los Cabos in the Cape region of BCS. Ecoregions: GCD, CPL; Wider distrib.: Native to e Mexico, introduced in SON, SIN, & w Mexico, FL, LA, TX, a weedy species in tropical America
SWOLLEN WINDMILL-GRASS, SWOLLEN FINGERGRASS

*Chloris gayana* Kunth
{BC: Moran 29759 (SD 108615)}
This non-native perennial has naturalized in agricultural areas of ne BC. Ecoregions: LCD; Wider distrib.: Native to Africa, introduced in SIN, scattered in Mexico, US
RHODES GRASS; ZACATE RHODES

Chloris virgata Sw.
[syn = Gouinia virgata (J. Presl) Scribn., Chloris elegans Kunth]
{BC: Brey 50 (SD 122766); BCS: Rebman 4618 (SD 141931)}
This weedy native annual occurs from the SLIB south to the Cape region. Some populations, especially in n BC, are likely adventive. Ecoregions: CMT, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, widespread in USA, West Indies, South America
FEATHER FINGERGRASS, SHOWY CHLORIS, FEATHER WINDMILL-GRASS; ZACATE LAGUNERO, PASTO BLANCO, ZACATE PATA DE POLLO, VERDILLO PLUMERITO, ZACATE MOTA

*Cortaderia selloana* (Schult. & Schult. f.) Asch. & Graebn.
{BC: Rebmam 27067 (SD 234545)}
This large non-native perennial grass is often planted as an ornamental and rarely naturalizes in extreme nw BC. This species is considered a highly invasive weed in CA. Ecoregions: CSS; Wider distrib.: Native to e South America, introduced in w & s USA & planted worldwide
PAMPAS GRASS; CORTADERA, HIERBA DE LA PAMPAS, ZACATE DE LA PAMPA

Cottea pappophoroides Kunth
{BC: León de la Luz 6974 (HCIB 3414)}
This native grass is very rare in our region and only known from V3V in n BCS. Ecoregions: CD; Wider distrib.: SON, widespread in Mexico, AZ, NM, TX, South America
COTTEA GRASS, COTTEA; ZACATE PAPO

*Crypsis schoenoides* (L.) Lam.
{BC: Moran 27996 (SD 104316)}
This non-native is very rare in extreme nw BC and prefers growing on the margins of lakes & vernal pools.
Ecoregions: CSS; Wider distrib.: Native to Eurasia, introduced in w & ne USA, e Canada
PRICKLE GRASS

*Crypsis vaginiflora* (Forssk.) Opiz
[In Wiggins as Crypsis niliaca Fig. & De Not.]
{BC: Moran 29081 (SD 105862)}
This non-native grass is very rare in extreme nw BC and grows on the margins of vernal pools. Ecoregions: CSS; Wider distrib.: Native to Eurasia, introduced in CA, ID, NV, WA
SWAMP GRASS; MODEST PRICKLE GRASS

*Cynodon dactylon* (L.) Pers. var. dactylon
{BC: Moran 15310 (SD 67942); BCS: Rebmam 9668 (SD 154046)}
This common & widespread non-native grass occurs throughout the peninsula and on adjacent islands. It is most common in urban and wet habitats and less common in drier desert portions of our region. Ecoregions: CSS, CHA, CMT, CSU, PI, LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: Native to Africa, introduced in SON, SIN, widespread in Mexico, USA, w Canada, a worldwide weed
BERMUDA GRASS; PATA DE GALLO, ZACATE BERMUDA, ZACATE DE LANA, GRAMA

*Dactyloctenium aegypticum* (L.) Wild.
[In Wiggins as Dactyloctenium aegypticum (L.) P. Beauv. (misspelled)]
{BC: Moran 24920 (SD 98144); BCS: Rebman 7039 (SD 159156)}
This non-native grass is common in the southern portion of BCS & rare in extreme nw BC. Specimens identified as D. scindicus Boiss. in BCS appear to be diminutive forms of this species.
Ecoregions: CSS, GCD, GIG, MAG, CPL, CPM; Wider distrib.: Native to Africa, introduced in SON, SIN, widespread in Mexico, sw & s USA, tropical weed worldwide
Crowfoot Grass, Durian Crowfoot Grass; Zacate de Cuervo, Zacate de la Pata de Pollo, Zacatillo, Zacate Egipcio

Dasyochloa pulchella (Kunth) Wild. ex Rydb.
In Wiggins as Tridens pulchellus (Kunth) Hitchc.; syn = Erioneuron pulchellum (Kunth) Tateoka, Triodia pulchella Kunth, Monroa pulchella (Kunth) L. D. Amarilla
{BC: Moran 24950 (SD 98264); BCS: T. Ross 7023 (RSA 596289)}
This native grass occurs mostly in n BC but is scattered down the peninsula to extreme nw BCS.
Ecoregions: CHA, CMT, LCD, CD, VD; Wider distrib.: Widespread in Mexico, se USA & TX, a worldwide weed of tropics & subtropics
Asian Crabgrass; Zacate Cangrejo, Zacate Guarda Rocio

*Digitaria bicorns* (Lam.) Roem. & Schult.
{syn = Paspalum bicorne Lam., Digitaria diversiflora Swallen}
{BC: Moran 24962 (SD 98142); BCS: Rebman 7062 (SD 159155)}
This non-native grass is rare in urban areas of extreme nw BC, but rather common in the Cape region of BCS. This species is often confused and difficult to separate from D. ciliaris.
Ecoregions: CSS, CD, MAG, CPL, CPM; Wider distrib.: Native to Asia, introduced in SON, SIN, widespread in Mexico, se USA & TX, a worldwide weed of tropics & subtropics
Asian Crabgrass; Zacate Cangrejo, Zacate Guarda Rocio

*Digitaria ciliaris* (Retz.) Koel.
{syn = Digitaria sanguinalis (L.) Scop. var. ciliaris (Retz.) Parl., Digitaria sanguinalis var. marginata (Link) Fernald, Panicum ascends Kunth, Panicum ciliare Retz., Digitaria ascends Kunth) Henr.}
{BC: Moran 25104 (SD 98560); BCS: M. Domínguez L. 1682 (SD 157863)}
This native perennial occurs throughout the length of the peninsula and on adjacent islands. It appears to be absent from nw BC and most of the Cape region of BCS.
Ecoregions: CHA, CMT, CD, SV, GCD, GIG, CPL, CPM; Wider distrib.: SON, n Mexico, sw USA
California Cottontop, Arizona Cottontop; Zacate Punta Blanca, Plumeo Blanco

*Digitaria horizontalis* Willd.
In Wiggins as Trichachne californica (Benth.) Chase; syn = Panicum californicum Benth.
Status in CFP: 2B; Listed: CNPS 2.3.
{BC: Moran 24889 (SD 98213); BCS: M. Domínguez L. 1682 (SD 157863)}
This native perennial is rare in urban areas near Ensenada and uncommon in the SGIG and the Cape region of BCS. This species is often confused and difficult to separate from D. bicorns.
Ecoregions: CSS, CD, MAG, CPL, CPM; Wider distrib.: Native to Asia, introduced in SON, SIN, widespread in Mexico, s USA, West Indies, South America
Southern Crabgrass; Zacate Cangrejo Velludo, Palillo Guarda rico, Zacate Conejo

*Digitaria insularis* (L.) Mez ex Ekman
{syn = Trichachne insularis (L.) Nees}
{BC: Rebman 5671 (SD 143060)}
This rare native has only been documented in our region in the SGUAD of n BCS and in the northeastern Cape region of s BCS.
Ecoregions: GIG; Wider distrib.: SON, SIN, widespread in Mexico, AZ, FL, TX, West Indies, Central & South America
Sourgrass

*Digitaria leucites* (Trin.) Henr.
{BC: León de la Luz 2172 (HCIB 2894)}
This very rare perennial grass has only been documented once in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: w & s Mexico, Central America

Mountain Crabgrass

*Digitaria nuda* Schumach.
{BCS: León de la Luz 2198 (SD 148701)}
This rare non-native annual occurs in the Cape region of BCS. This species is very similar to *D. horizontalis*, but differs in leaf & stem pubescence.
Ecoregions: CPM; Wider distrib.: Native to Africa, introduced & infrequent in tropical Mexico, West Indies, a weed in tropical regions worldwide

Naked Crabgrass

*Digitaria sanguinalis* (L.) Scop.
{BC: Brey 58 (SD 122783); BCS: León de la Luz 9603 (SD 152020)}
This rare non-native annual occurs in extreme nw BC and in the SLL of BCS.
Ecoregions: CHA, CPM; Wider distrib.: Native to Europe, introduced in SON, SIN, widespread in USA & Canada

Hairy Crabgrass, Large Crabgrass

Leptochloa fusca (L.) Kunth subsp. fascicularis (Lam.) N. Snow, [In Wiggins as *Leptochloa fascicularis* (Lam.) A. Gray; syn = *Diplachne fascicularis* (L.) Roem. & Schult. var. fascicularis (Lam.) Roem. & Schult.]

Dinebra panicea (Retz.) P.M. Peterson & N. Snow subsp. brachiata (Steud.) P.M. Peterson & N. Snow
{In Wiggins as *Leptochloa filiformis* (Pers.) P. Beauv.; syn = *Leptochloa brachiata* Steud., *Leptochloa panicea* (Retz.) Ohwi subsp. brachiata (Steud.) N. Snow]

Status in CFP: 2B.
{BC: Moran 18579 (SD 80219); BCS: Rebmam 7730 (SD 158016)}
This native annual is relatively rare in BC, but common in BCS north of the Cape region.
Ecoregions: CHA, CD, MAG; Wider distrib.: Native to the Americas, SIN, widespread in Mexico, s USA, South America

Red Sprangletop, Desparramo Rojo, Aceitita

*Dinebra panicea* (J. Presl) P.M. Peterson & N. Snow [syn = *Leptochloa panicea* (Retz.) P.M. Peterson & N. Snow]
{BCS: Rodríguez 1738}
This very rare non-native appears to be an agricultural weed in BCS and has only been documented once north of Villa Insurgentes.
Ecoregions: MAG; Wider distrib.: Native to the Americas, SIN, widespread in Mexico, s USA, Central & South America, introduced in BCS

Amazon Sprangletop

Distichlis bajensis H.L. Bell
BC endemic. Status in CFP: 1B, 7.
{BC: Mudie 1021 (SD 93877)}
This very rare BC endemic perennial is only known from 4 different populations along the west coast of BC from the vicinity of Colonet to near Santa Rosalillita. This species is often confused with *D. littoralis* but has slightly longer leaves and staminate inflorescences that are longer than the leaves.
Ecoregions: CSU, CD, Baja California Saltgrass

Distichlis littoralis (Engelm.) H.L. Bell & Columbus
{In Wiggins as *Monanthochloë littoralis* Engelm.}
{BC: Moran 12955 (SD 62818); BCS: Moran 9608 (SD 61496)}
This relatively common saltmarsh species occurs in coastal wetlands along both sides of the peninsula and on a few adjacent islands.
Ecoregions: CSS, CU, LCD, CD, GCD, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread mostly in coastal n Mexico, CA, FL, LA, TX, Cuba

Shoregrass, Zacate Playero, Zacate Salado

Distichlis palmeri (Vasey) Fassett
{syn = *Uniola palmeri* Vasey}
{BC: Gould 11928 (SD 63170)}
This uncommon native perennial prefers saltmarsh habitats and is endemic to the upper Gulf region where it occurs in BC from the Colorado River delta along the coast south to Bahía de Los Ángeles and on Angel de la Guardia Island.
Ecoregions: LCD, CD, GCD; Wider distrib.: SON

Nipa, Palmer Saltgrass, Wild-Rice, Zacate Salado, Zacate Espinudo
**Distichlis spicata** (L.) Greene

[In Wiggins as Distichlis spicata var. stolonifera Beetle; syn = Distichlis spicata var. borealis (J. Presl) Beetle, Distichlis spicata var. divaricata Beetle, Distichlis spicata var. mexicana Beetle, Distichlis spicata var. stricata (Torr.) Scribn., Distichlis stricta (Torr.) Rydb., Distichlis stricta var. dentata (Ryd.) C.L. Hitchc., Distichlis spicata subsp. stricta (Torr.) Thorne]

{BC: Moran 27993 (SD 104378); BCS: Rebman 4588 (SD 141790)}

This non-native weedy grass prefers wetlands and ditches throughout most of the peninsula and is especially common in BC.

Ecoregions: CSS, CHA, CSU, PI, LCD, CD, VRD, GCD, MAG, CPL; Wider distrib.: Native to Eurasia, introduced in SON, SIN, widespread in Mexico & USA, widespread in tropical & subtropical regions worldwide

**Echinochloa colona** (L.) Link

[In Wiggins as Echinochloa colona spelling variant; syn = Panicum colunum L.]

{BC: Moran 27992 (SD 103478); BCS: Rebman 4588 (SD 141790)}

This non-native grass prefers wetlands and ditches throughout most of the peninsula and is especially common in BC.

Ecoregions: CSS, CHA, LCD, CD, VRD, GIG, MAG, CPL; Wider distrib.: Native to Old World, introduced in SON, SIN, widespread in Mexico & USA except extreme n, widespread in tropical & subtropical regions worldwide

**Eichornichia crassipes** (L.) P. Beauv.

[In Wiggins as Eichornichia crassipes var. mitis (Pursh) Peterman]

{BC: Moran 24511 (SD 97770); BCS: M. Domínguez 3594 (SD 161980)}

This non-native grass prefers wetlands and ditches and occurs uncommonly in nw BC and s BCS.

Ecoregions: CSS, CHA, CU, SRD, MAG, CPL; Wider distrib.: Native to Eurasia, introduced in SON, SIN, widespread in Mexico & USA, widespread in tropical & subtropical regions worldwide

**Echinochloa crus-galli** (L.) P. Beauv.

[syn = Echinochloa crus-galli var. mitis (Pursh) Peterman]

{BC: Moran 27971 (SD 106419); BCS: Rebman 4588 (SD 141790)}

This non-native grass is very rare in extreme nw BC in the Tijuana region and has obvious drooping panicles.

Ecocoregions: CSS, CHA, CMT, CD; Wider distrib.: Native to eurasia, introduced in SON, SIN, widespread in Mexico & USA, CA, and also occurs on sky islands in the CD region south to the SLJB.

**Elymus condensatus** J. Presl

[In Wiggins as Elymus condensatus (J. Presl) A. Löve, Aneurolepidium condensatum (J. Presl) Neveski]

{BC: Reeder 7273 (SD 109563)}

This large perennial native grass occurs in nw BC along the coast between Tijuana & Colonet, and on adjacent Pacific islands.

Ecocoregions: CSS, CHA, CU, PI, Wider distrib.: CA

**Elymus elymoides** (J.G. Sm.) Gould

[In Wiggins as Sitanion hystrix (Nutt.) J.G. Sm.; syn = Sitanion elymoides (Raf.) Swezey var. elymoides (J.G. Sm.) Dorn]

{BC: Moran 27423 (SD 103476)}

This native perennial occurs most commonly in n BC in the SJ & SSPM, but also occurs on sky islands in the CD region south to the SLJB.

Ecocoregions: CSS, CHA, CMT, CD; Wider distrib.: SON, w & c USA, Canada

**Elymus glaucus** Buckley subsp. glaucus

[syn = Elymus glaucus var. brevifolius (J.G. Sm.) Dorn]

{BC: Moran 29448 (SD 106419); BCS: R. Dominguez C. 1677 (RSA 629756)}

This non-native weedy grass is very rare in our region and occurs in urban areas near Ensenada in nw BC.

Ecocoregions: CSS, CHA, Wider distrib.: Native to s Africa, introduced in CA

**Elymus xgouldii** J.P. Sm. & Columbus

[syn = Elymus xmultiflourus (Gould) Barkworth & Atkins]

{BC: Moran 27882 (SD 103191)}

This naturally occurring hybrid between E. condensatus & E. triticeoides is rare in nw BC.
Ecoregions: CSS, CSU; Wider distrib.: CA
Hybrid WILD-RYE, MANY-FLOWER WILD-RYE

*Elymus ponticus* (Podp.) N. Snow
[syn = Agropyron varense (Velen.) Hayek, Elymus elongatus (Host) Runemark var. ponticus (Podp.) Dorn, Elymus varenensis (Velen.) Runemark, Thynnoporum ponticum (Podp.) M.E. Barkworth & D.R. Dewey, Elytrigia pontica (Podp.) Holub, Agropyron ponticum Nevski, Agropyron elongatum (Host) P. Beauv., Elytrigia elongata (Host) Nevski, Thynnoporum elongatum (Host) D.R. Dewey]

This non-native grass is rare in nw BC and occurs on the western side of the SJ.

Ecoregions: CHA; Wider distrib.: Native to Eurasia, introduced in w & e USA, w Canada

TURKISH WHEATGRASS, TALL WHEATGRASS

**Elymus trachycaulus** (Link) Shinn.

In Wiggins as Agropyron trachycaulum (Link) Malte; syn = Agropyron pauciflorum (Schwein.) A.S. Hitchc. ex Sileu, Agropyron brevifolium Scribn., Agropyron trachycaulum var. unilaterale (Vasey) Malte, Agropyron subsecundum (Link) A.S. Hitchc., Agropyron trachycaulum var. unilaterale (Cassidy) Malte, Elymus trachycaulus var. unilateralis (Cassidy) Beetle, Agropyron cannum (L.) Breve, var. unilaterale (Cassidy) C.L. Hitchc., Elymus trachycaulus subsp. subsecundus (Link) A. Löve & B. Löve

Status in CFP: 4.

{BC: Moran 30973 (SD 127297)}

This native perennial grass occurs in nw BC in the SJ & SSM.

Ecoregions: CHA, CMT; Wider distrib.: n Mexico, widespread in USA & Canada

SLENDER WHEATGRASS, BEARDED WHEATGRASS, ONE-SIDED WHEATGRASS

**Elymus triticeoides** Buckley

[syn = Leymus triticeoides (Buckley) Pilg.]

{BC: Moran 29614 (SD 108662)}

This native perennial grass occurs in extreme nw BC and on South Coronado Island.

Ecoregions: CSS, CHA, CMT, CSU, PI (Coronados); Wider distrib.: w USA & Canada

BEARLESS WILD-RYE, CREEPING WILD-RYE

**Enneapogon desvauxii** P. Beauv.

[syn = Pappophorum wrightii S. Watson]

{BC: Moran 24728 (SD 98314); BCS: Rehm 7703 (SD 158021)}

This species is more common in the southern portions of the peninsula, but rarely occurs in n BC in the foothills of the SJ.

Ecoregions: CHA, CD, SD, GCD, MAG, CPL; Wider distrib.: SON, widespread in Mexico, sw USA, Central & South America, Old World

FEATHER PAPPUSGRASS, NINE-AWN PAPPUSGRASS, SPIKE PAPPUSGRASS; ZACATE LADERA, ZACATE LOBERO

**Enteropogon brandegeei** (Vasey) Clayton

[In Wiggins as Chloris brandegeei (Vasey) Swallen; syn = Diplachne brandegeei Vasey, Gouinia brandegeei (Vasey) Hitchc.]

{BC: Rehm 25125 (SD 223631); BCS: Rehm 3587 (SD 141085)}

This BCS near-endemic species occurs from the vicinity of SLIB in s BC south to the SLL, but is very common on several Gulf islands. This species is closely related and sometimes lumped into *E. chlorideus* but more taxonomic study is needed.

Ecoregions: CD, GCD, GIG, CPL; Wider distrib.: SON (San Esteban Island), SIN

BAJA CALIFORNIA UMBRELLAGRASS

**Enteropogon chlorideus** (J. Presl) Clayton

[In Wiggins as Chloris chloridea (J. Presl) Hitchc.; syn = Dinebra chloridea J. Presl, Chloris clandestina Scribn. & Merrill]

{BCS: Rehm 9783 (SD 153136)}

This rare perennial occurs in our region only around autumnal lakes on the top of the s SGIG of BCS. It is closely related to *E. brandegeei*.

Ecoregions: GIG; Wider distrib.: SON, SIN, widespread in Mexico, AZ, TX, Central America

BUTYRSEED UMBRELLAGRASS; VERDILLO CACACHUATOIDE, ZACATE CENIZO

**Eragrostis amabilis** (L.) Wight & Arn.

[syn = Eragrostis tenella (L.) P. Beauv. ex Roem. & Schult., Eragrostis unioloides (Retz.) Nees ex Steud., Eragrostis viscosa (Retz.) Trin.]

{BCS: Reeder 6738 (SD 101466)}

This non-native annual is relatively common in the Cape region of BCS.

Ecoregions: GCD, MAG, CPL, CPM; Wider distrib.: Native to Old World, introduced in SON, SIN, widespread in tropical Mexico, TX & se USA, Central & South America

JAPANESE LOVEGRASS, VISCID LOVEGRASS

**Eragrostis barrelieri** Daveau

{BC: Rehm 18532 (SD 200249)}

This non-native annual is rare in nw BCS, but is expected in urban areas of nw BC.

Ecoregions: VD; Wider distrib.: Native to s Europe, introduced in SON, scattered in Mexico, s USA

MEDITERRANEAN LOVEGRASS

**Eragrostis ciliaris** (All.) Janch.

[syn = Eragrostis megastachya (Koel.) Link, Poa ciliaris All., Eragrostis major Host]

{BC: Moran 18649 (SD 141083)}

This non-native annual occurs in nw BC and commonly throughout most of BCS.

Ecoregions: CSS, CHA, CMT, CSU, CD, SD, GCD, MAG, CPL; Wider distrib.: Native to Europe, introduced in SON, SIN, widespread in Mexico, USA, & Canada, a worldwide weed

STINKING LOVEGRASS, STINKGRASS; ZACATE APESTOSO

**Eragrostis ciliaris** (L.) R. Br.

{BC: R. Domínguez C. 1678 (SD 143632)}

This non-native annual is relatively uncommon in our region and occurs mostly at lower elevations in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: Native to Old World, introduced in SON, SIN, scattered in Mexico, se USA, tropical Americas

GOPHERTAIL LOVEGRASS

**Eragrostis hypnoides** (Lam.) Britton, Stern & Poggenb.

{BCS: T.S. Brandegee 151 (UC 178803)}

This rare, mat-forming annual is apparently native in our region, prefers the margins of drying ponds, and is known from historical specimens in the vicinity of Comondú. The BCS specimens need to be verified that they are not *E. reptans*.

This non-native annual occurs mostly at lower elevations in the Cape region of BCS.

Ecoregions: CHA, CMT, CSU, CD, SD, GCD, MAG, CPL; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, USA, & Canada, a widespread weed

STINKING LOVEGRASS, STINKGRASS; ZACATE APESTOSO

**Eragrostis variabilis** (L.) R. Br.

{BC: R. Domínguez C. 1678 (SD 143632)}

This non-native annual is relatively uncommon in our region and occurs mostly at lower elevations in the Cape region of BCS.

Ecoregions: CPL, CPM; Wider distrib.: Native to Old World, introduced in SON, SIN, scattered in Mexico, se USA, tropical Americas

GOPHERTAIL LOVEGRASS

**Eragrostis hypnoides** (Lam.) Britton, Stern & Poggenb.

{BCS: T.S. Brandegee 151 (UC 178803)}

This rare, mat-forming annual is apparently native in our region, prefers the margins of drying ponds, and is known from historical specimens in the vicinity of Comondú. The BCS specimens need to be verified that they are not *E. reptans*.

Ecoregions: CPL, CPM; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, se USA, tropical Americas

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**Eragrostis hypnoides** (Lam.) Britton, Stern & Poggenb.

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This rare, mat-forming annual is apparently native in our region, prefers the margins of drying ponds, and is known from historical specimens in the vicinity of Comondú. The BCS specimens need to be verified that they are not *E. reptans*.

Ecoregions: CPL, CPM; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, se USA, tropical Americas

GOPHERTAIL LOVEGRASS

**Eragrostis hypnoides** (Lam.) Britton, Stern & Poggenb.

{BCS: T.S. Brandegee 151 (UC 178803)}

This rare, mat-forming annual is apparently native in our region, prefers the margins of drying ponds, and is known from historical specimens in the vicinity of Comondú. The BCS specimens need to be verified that they are not *E. reptans*.

Ecoregions: CPL, CPM; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, se USA, tropical Americas

GOPHERTAIL LOVEGRASS

**Eragrostis hypnoides** (Lam.) Britton, Stern & Poggenb.

{BCS: T.S. Brandegee 151 (UC 178803)}

This rare, mat-forming annual is apparently native in our region, prefers the margins of drying ponds, and is known from historical specimens in the vicinity of Comondú. The BCS specimens need to be verified that they are not *E. reptans*.

Ecoregions: CPL, CPM; Wider distrib.: Native to Europe, introduced in SON, SIN, scattered in Mexico, se USA, tropical Americas

GOPHERTAIL LOVEGRASS
This perennial grass occurs on sky islands throughout the peninsula from the SJ to the SLL.

**Ecoregions**: CHA, CMT, CSU, CD, GIG, CPM; *Wider distrib.: 
SON, SIN, widespread in Mexico, s USA, Central & South America
**PLAIN LOVEGRASS, MOURNING LOVEGRASS**

*Eragrostis mexicana* (Hornem.) Link *subsp. mexicana*  
[In Wiggins as Eragrostis mexicana, Eragrostis neomexicana Vasey; *syn = Eragrostis limbata E. Fourn.*]  
Status in CFP: 4.  
*BC: Brey 51 (SD 122787); BCS: M. Domínguez L. 2614 (SD 143630)*  
This uncommon annual grass occurs infrequently in nw BC, on a few peninsular sky islands, and in the Cape region of BCS.  
Ecoregions: CSS, CMT, CD, JD, GCD, GIG, AMG, CPL, CPM;  
*Wider distrib.: SON, SIN, scattered in Mexico, mostly sw USA, 
Central & South America
**MEXICAN LOVEGRASS, ORCUTT LOVEGRASS**

*Eragrostis minor* Host  
[In Wiggins as Eragrostis poaeoides P. Beauv.]  
*BC: R. Domínguez L. 4136 (SD 188572)*  
This native annual is relatively rare in our region and occurs in s BCS mostly in the Cape region.  
Ecoregions: GCD, CPL, CPM; *Wider distrib.: w USA, w Canada, 
South America
**CHILEAN LOVEGRASS, ORCUTT LOVEGRASS**

*Eragrostis pectinacea* (Michx.) Nees var. *miserrima* (E. Fourn.) J. Reeder  
[In Wiggins as Eragrostis arida Hitchc.; *syn = Eragrostis tephrosanthos Roem & Schult.*]  
*BC: Casillas 30 (SD 182577); BCS: Moran 18830 (SD 944844)*  
This native annual occurs mostly on sky islands in BCS from the SSF south to the vicinity of Loreto. It also occurs rarely in disturbed areas in n BC and may be adventive in this region. It is possible that this species should be lumped with var. *pectinacea*, but most populations in our region do not show the variety mixed together.  
Ecoregions: CSS, CD, GCD, GIG; *Wider distrib.: SON, scattered in Mexico, mostly s USA, Caribbean, Central & South America
**DESSERT LOVEGRASS, GULF LOVEGRASS**

*Eragrostis pectinacea* (Michx.) Nees var. *pectinacea*  
[*syn = Eragrostis difusa Buckl., Eragrostis purshii Schrad. ex A. Gray, Poa pectinacea Michx., Eragrostis caroliniana (Biehler) Scribn.*]  
*BC: Brey 51 (SD 122788); BCS: A. Carter 5339 (SD 100485)*  
This native annual occurs in nw BC, on Natividad Island, and throughout most of BCS.  
Ecoregions: CHA, CMT, PI (Natividad), CD, JD, GCD, GIG, MAG, CPL, CPM; *Wider distrib.: SON, SIN, n & c Mexico, widespread in USA & Canada
**SPREADING LOVEGRASS, CAROLINA LOVEGRASS, ZACATE LLUVIA**

*Eragrostis pilosa* (L.) P. Beauv. var. *pilosa*  
*BC: Kenton L. Chambers 545 (UC 1023857); BCS: M.E. Jones 27588 (UC 522211)*  
This non-native annual is very rare in our region and known only from historical specimens in the SSPM & SLL. The specimen from BC needs to be verified.  
Ecoregions: CMT, CPM; *Wider distrib.: Native to Eurasia, introduced in SON, SIN (no var.), rare in Mexico, widespread in USA & Canada, West Indies
**INDIA LOVEGRASS; AMORESCO PILOSE**

*Eragrostis reptans* (Michx.) Nees  
[*syn = Neeragrostis reptans (Michx.) Nicora*]  
*BC: A. Carter 4319 (SD 100445)*  
This uncommon mat-forming annual prefers the margins of wetlands and occurs in the c & s SGIG and rarely in wet lowlands of the Cape region.  
Ecoregions: GCD, GIG, CPL; *Wider distrib.: n Mexico, c & s USA
**CREeping LOVEGRASS**

*Eragrostis spicata* Vasey  
*BC: T.S. Brandegee s.n. (UC 120810)*  
This very rare perennial grass has only been documented once in our region in 1890 at San José del Cabo.  
Ecoregions: CPL; *Wider distrib.: SON, ne Mexico, TX, South America
**SOUTHWESTERN CUPGRASS, TAPERTIP CUPGRASS, SUMMER GRASS, ZACATE TAZA**

*Eriochloa acuminata* (J. Presl) Kunth var. *acuminata*  
[In Wiggins as Eriochloa gracilis (E. Fourn.) Hitchc.; *syn = Eriochloa lemmonii Vasey & Scribn. var. gracilis (E. Fourn.) Gould, Eriochloa acuminata var. minor (Vasey) R.B. Shaw]  
*BC: A. Carter 5369 (SD 141786)*  
This native annual occurs commonly throughout most of BCS.  
Ecoregions: CD, JD, GCS, GIG, MAG, CPL, CPM; *Wider distrib.: SON, CHH, DUR, sw & s USA
**SOUTHWESTERN CUPGRASS, TAPERTIP CUPGRASS, SUMMER GRASS, ZACATE TAZA**

*Eriochloa aristata* Vasey var. *aristata*  
*BC: R. Domínguez C. 1618 (SD 143629)*  
This native annual occurs in BCS in the vicinity of Bahía La Paz and in the Cape region.  
Ecoregions: GCD, MAG, CPL, CPM; *Wider distrib.: Native to SON, SIN, AZ, introduced in CA
**BEARDED CUPGRASS, AWNED CUPGRASS, ZACATE TAZA**

*Eriochloa contracta* Hitchc.  
[*syn = Helopus mollis C. Muell.*]  
*BC: Wiggins & Thomas 451 (ARIZ 168226)*  
This non-native annual is very rare in our region and known only from one specimen collected on 30 Jun 1962 as a weed in an alfalfa field approximately 8 miles west of Mexicali.  
Ecoregions: LCD; *Wider distrib.: Native to c USA, introduced in c & sw USA
**PRAIRIE CUPGRASS**

*Eriochloa lemmonii* Vasey & Scribn.  
*BC: Rehman 4387 (SD 141786)*  
This rare native annual is only known to occur in our region in the SSF of n BCS. It should be noted that some authors lump this species under an expanded *E. acuminata*, but more taxonomic study is needed.  
Ecoregions: CD; *Wider distrib.: SON, AZ, NM
**CANYON CUPGRASS**
**Eriocoma hymenoides** (Roem. & Schult.) Rydb.

In Wiggins as *Oryzopsis hymenoides* (Roem. & Schult.) Ricker; syn = *Achnatherum hymenoides* (Roem. & Schult.) Barkworth, Stipa hymenoides Roem. & Schult.

{BC: Moran 12188 (SD 60764)}

This rare native perennial occurs mostly in the SJ, but also in the CD region near Misión Santa María in BC.

Ecoregions: CMT, CD; Wider distr.: w USA & Canada

**Indian Ryegrass**

*Festuca arundinacea* Schreb.

{BC: R. Philbrick B73-117 (SBBG 90331)}

This rare non-native occurs on Cedros Island in the Pacific, but is expected elsewhere in nw BC.

Ecoregions: PI (Cedros); Wider distr.: Native to Eurasia, introduced c & s Mexico, widespread in USA & Canada

**Tall Fescue; Cumberland Fescue**


{BC: Witham 412 (SD 74683)}

This BC endemic perennial occurs only in the higher elevations of the SSM. Specimens previously identified as *F. ovina* L. from SSPM are this endemic species.

Ecoregions: CMT

**Baja California Fescue**

*Festuca bromoides* L.

In Wiggins as *Festuca dertonensis* (All.) Asch. & Graebn.; syn = *Vulpia bromoides* (L.) S.F. Gray, Bromus dertonensis All.

{BC: Moran 26925 (SD 102601); BCS: Moran 20420 (SD 87152)}

This non-native annual occurs mostly in nw BC.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD, GCD, CPM; Wider distr.: SON, widespread in USA & Canada

**Six Weeks Fescue, Eight-Flower Fescue, Slender Fescue, Tufted Fescue**

*Festuca microstachys* Nutt.


Status in CFP: 4

{BC: Moran 20709 (SD 87051)}

This native annual occurs mostly in nw BC and on adjacent Pacific islands. Many varieties of this species have been described but are not currently recognized.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD; Wider distr.: w USA, w Canada

**Small Fescue, Pacific Fescue**

*Festuca myuros* L.

In Wiggins as *Festuca megalura* Nutt.; syn = *Vulpia myuros* (L.) C.C. Gmelin., *Festuca myuros* var. hirsuta (Hack.) Asch. & Graebn., *Vulpia myuros* var. hirsuta Hack.

{BC: Moran 14163 (SD 76612); BCS: M. Domínguez L. 4025 (SD 188586)}

This non-native annual occurs mostly in nw BC and adjacent Pacific islands and rarely in BCS.

Ecoregions: CSS, CHA, CMT, CSU, PI, CPM; Wider distr.: Native to Europe, introduced worldwide in temperate, subarctic & subantarctic regions, widespread in USA & Canada

**Rat-Tail Fescue**

*Festuca octoflora* Walter


{BC: Moran 27485 (SD 103488); BCS: Moran 20421 (SD 87152)}

This native annual species occurs mostly in n BC and on adjacent Pacific islands, and more rarely in the CD & VD regions, on Angel de la Guarda Island, & in the SLL of BCS.

Ecoregions: CSS, CHA, CMT, CSU, PI, CD, GCD, CPM; Wider distr.: SON, widespread in USA & Canada

**Italian Ryegrass, Winter Rye, Perennial Ryegrass, Annual Ryegrass, Baldico Italiano, Baldico Inglés, Raigras Criollo**

*Festuca pratensis* Huds.

{BC: Vanderplank 100528-7 (SD)}

This non-native grass is very rare in our region and has naturalized in the Colonet area of nw BC.

Ecoregions: CSS; Wider distr.: Native to Eurasia, introduced & widespread in USA & Canada

**Darnel, Poison Darnel**

*Festuca temulenta* L.

In Wiggins as *Loliurn temulentum* L.; syn = *Loliurn perenne* var. multiflorum (Lam.) Parnell

{BC: Moran 18581 (SD 80229)}

This non-native grass is uncommon in our region and occurs in extreme nw BC.

Ecoregions: CSS, CHA; Wider distr.: Native to Eurasia & n Africa, introduced in SON, SIN, widespread in USA & Canada

**Meadow Fescue**

*Festuca tenuatentula* (L.) Columbus & J.P. Sm.

In Wiggins as *Loliurn temulentum* L.; syn = *Loliurn temulentum* var. arvensc (With.) Lilja, *Loliurn temulentum* var. leptochaeton A. Braun, *Loliurn temulentum* var. macrochaeton A. Braun, *Loliurn arvensc* With.

{BC: Moran 28344 (SD 105251)}

This non-native grass is rare in our region and occurs along the coast north of Ensenada in nw BC.

Ecoregions: CSS; Wider distr.: Native to Europe, introduced in SON, widespread in USA & Canada

**Nigritgrass**

*Gastridium phleoides* (Nees & Meyen) C.E. Hubb.

In Wiggins as *Gastridium ventricosum* (Gouan) Schinz & Thell. misappl.; syn = *Gastridium ventricosum* (Gouan) Schinz & Thell. subsp. phleoides (Nees & Meyen) Tzvelev

{BC: Moran 27305 (SD 102392)}

This non-native annual is relatively common in nw BC.

Ecoregions: CSS, CHA, CSU; Wider distr.: Native to sw Asia & n Africa, introduced in AZ, CA, OR, TX, widespread weed in temperate Americas
*Hackelochloa granularis* (L.) Kuntze
[syn = *Rytillix granularis* (L.) Skeels, *Cenchrus granularis* L.]
(BCS: *M. Domínguez* L. 443 (SD 139952))
This non-native grass occurs mostly in the SLL of BCS, but is also known from the SGUAD.
Ecoregions: GIG, CPL, CPM; Wider distrib.: Native to Old World, introduced in SON, widespread in Mexico, Central & South America
**PITSCALE GRASS; ZACATE GRANITO**

*Hainardia cylindrica* (Willd.) Greuter
[In Wiggins as *Monerma cylindrica* (Willd.) Coss. & Durieu]
(BC: *Moran* 27246 (SD 102492))
This uncommon non-native annual prefers disturbed alkaline soils and occurs in extreme nw BC near the Pacific coast.
Ecoregions: CSS; Wider distrib.: Native to Europe, introduced in and occurs in extreme nw BC near the Pacific coast.

Hesperostipa comata**
([Trin. & Ruopr.] Barkworth
[syn = *Stipa comata* Trin. & Ruopr.]
(BC: *Levin* 1693 (SD 119241))
This rare native perennial occurs in the SJ of n BC.
Ecoregions: CMT; Wider distrib.: Widespread in w USA & Canada
**NEEDLE AND THREAD**

*Heteropogon contortus* (L.) Roemer & Schultes
[syn = *Andropogon contortus* L.]
(BC: *Moran* 24790 (SD 104566); BCS: *Rebman* 7622 (SD 158018))
This native perennial occurs most commonly in our region throughout BC and on adjacent Gulf islands, but it also occurs rarely in n BC.
Ecoregions: CHA, LCD, GCD, GIG, MAG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, sw USA, Central & South America, Old World
**TANGLEHEAD; COMMON TANGLEHEAD; RETORCIDO MORENO, ZACATE COLORADO, ZACATE BARBA NEGRA**

*Heteropogon melanocarpus* (Elliot) Benth.
[syn = *Andropogon melanocarpus* Elliot]
(BCS: *Gould* 12161 (SD 69883))
This presumably non-native annual occurs infrequently at higher elevations in BCs from the SGUAD south to the Cape region. The occurrences of this species in BCS appear to be in rather undisturbed natural habitats and one questions whether this species could be native to our region.
Ecoregions: GIG, CPL, CPM; Wider distrib.: Native to Old World, introduced in SON, SIN, AZ, widespread in tropical & subtropical areas worldwide
**SWEET TANGLEHEAD; RETORCIDO NEGRO**

*Hilaria belangeri* (Steud.) Nash
[In Wiggins as *Hilaria belangeri* var. longifolia (Vasey) Hitchc.; syn = *Hilaria ciliata* (Scribn.) Nash, *Hilaria cenchroides* Kunth, *Hilaria cenchroides* var. longifolia Vasey, *H. cenchroides* var. ciliata Scribn.]
(BC: *Rebman* 18643 (SD 200250); BCS: *A. Carter* 5113 (SD 100486))
This native perennial is rare in BCS and known from the SSF & n SGIG.
Ecoregions: CD, GIG; Wider distrib.: SON, n & e Mexico, AZ, NM, TX
**CURLY MESQUITE; ZACATE CHINO, ZACATE MEZQUITE, ESPIGA NEGRA**

*Hilaria mutica* (Buckley) Bentham
[syn = *Pleuraphis mutica* Buckley]
(BC: *A. Carter* 5070 (SD 100488))
This native perennial is very rare in BCS and only known from one historical specimen in the SGIG.
Ecoregions: GIG; Wider distrib.: SON, CHH, COA, DUR, sw USA
**TOBOSA GRASS; ZACATE TOBOSO, TOBOSO, TOBOSO COMUN**

*Hilaria rigida* (Thurb.) Scribn.
[syn = *Pleuraphis rigida* Thurb.]
(BC: *Moran* 16781 (SD 75709))
This native perennial prefers sandy substrates and desert washes and is relatively common in ne BC.
Ecoregions: CMT, LCD; Wider distrib.: SON, sw USA
**BIG GALLETA; TOBOSO**

*Hopia obtusa* (Kunth) Zuloaga & Morrone
[syn = *Panicum obtusa* Kunth]
(BCS: *M. Domínguez* L. 2259 (HCIB 10687))
This very rare native perennial has only been documented with one specimen in our region in the SSSF of n BC.
Ecoregions: CD; Wider distrib.: SON, n Mexico, sc & sw USA, except CA & NV
**VINE-MESQUITE; ZACATE DE GUÁ**

*Hordeum brachyantherum* Nevski subsp. *brachyantherum*
Status in CFP: 2A.
(BC: *Moran* 14487 (SD 76650))
This native perennial occurs in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: w & ne USA, w Canada
**NORTHERN BARLEY, MEADOW BARLEY**

*Hordeum depressum* (Scribn. & J.G. Sm.) Rydb.
Status in CFP: 2B.
(BC: *Rebman* 30313 (SD 222101))
This native annual is rare in nw BC and prefers growing in alkaline soils.
Ecoregions: CSU; Wider distrib.: w USA, w Canada
**LOW BARLEY, ALKALI BARLEY**

*Hordeum intercedens* Nevski
Status in CFP: 3; Listed: CNPS 3.2.
(BC: *Moran* 27122 (SD 102115))
This native annual grows mostly in vernal pools and occurs occasionally in nw BC from Tijuana south to the vicinity of Laguna Chapala. This species is commonly confused with *H. pusillum* which is not known from our region.
Ecoregions: CSS, CSU, CD; Wider distrib.: CA
**BOBTAIL BARLEY, VERNAL BARLEY**

*Hordeum jubatum* L. subsp. *jubatum*
Status in CFP: 4.
(BC: *Moran* 11097 (SD 54813))
This native perennial is very rare in our region and only known from one specimen in the s SSPM of n BC.
Ecoregions: CHA; Wider distrib.: Widespread in USA & Canada
**FOXTAIL BARLEY, CEIBADA SILVESTRE**

*Hordeum marinum* Huds. subsp. *gussoneanum* (Parl.) Thell.
[In Wiggins as *Hordeum hystrix* Roth; syn = *Hordeum genculatum* All.]
(BC: *Moran* 28349 (SD 105035))
This non-native annual grass is rare in our region and occurs in extreme nw BC.
Ecoregions: CSS, CHA; Wider distr.: Native to Mediterranean region, introduced in SON, w USA
Mediterranean Barley

*Lamarckia aurea* (L.) Moench
[syn = Cynosurus aureus L.]
(BC: Oberbauer 56 (SD 127657))
This non-native weedy annual grass occurs in nw BC and on adjacent Pacific islands.
Ecoregions: CSS, CHA, CSU, PI; Wider distr.: Native to Mediterranean region, introduced in AZ, CA, TX
Goldentop, Toothbrush Grass

*Melinis repens* (Wildl.) Zizka subsp. repens
[In Wiggins as Rhynchelytrum roseum (Nees) Stapf & C.E. Hubb.; syn = Rhynchelytrum repens (Wildl.) C.E. Hubb.]
This non-native grass grows in urban areas, along roads and in rocky riparian canyons. It occurs in nw BC, sporadically along highways, and in much of the Cape region of BCS.

Ecoregions: CSS, VD, CPL, CPM; Wider distrib.: SON, SIN, nw & s Mexico, widespread in USA & Canada, South America

Microchloa kunthii Desv.
[syn = Microchloa indica Hitchc., Paspalum tenuissimum M.E. Jones]
{BC: Rebman 25218 (SD 223632); BCS: R. Domínguez C. 1866 (SD 152009)}
This native perennial occurs mostly in the SLL of BCS but also in the SLIB of s BC.
Ecoregions: CD, CPL, CPM; Wider distrib.: SON, widespread in Mexico, AZ, TX, Central & South America

Muhlenbergia alamosae Vasey
{BC: T.S. Brandegee s.n., 26 Mar 1892 (UC 122400)}
This rare native perennial is only known from the SLL in BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, c & nw Mexico

Muhlenbergia alopecuroides (Griseb.) P.M. Peterson & Columbus
[In Wiggins as Aegopogon cenchroides var. breviglumis (Scribn.) Beetle]
{BC: Rebman 5227 (SD 143162); BCS: M. Domínguez L. 2622 (SD 98303); BCS: M. Domínguez C. 233 (HCIB 2636)}
This rare native perennial is only known from the SLL in BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, c & nw Mexico

Muhlenbergia arsenei Hitchc.
{BC: Rebman 4611 (SD 87040); BCS: Moran 20708 (SD 87040); BCS: Rebman 4611 (SD 141927)}
This native annual occurs uncommonly on sky islands from the SJ south to the SLL. It is closely related and often confused with M. microsperma.
Ecoregions: CHA, CMT, CD, GIG, CPM; Wider distrib.: AZ, CA

Muhlenbergia arizonica Scribn.
{BC: Rebman 18658 (SD 200252); BCS: Rebman 6059 (SD 144603)}
This rare native perennial occurs in the SLIB of s BC and the SGUAD of n BCS.
Ecoregions: CD, GI; Wider distrib.: SON, AZ, NM

ArIZoNa muhLy

Muhlenbergia asperifolia (Nees & Meyen ex Trin.) Parodi
[syn = Sporobolus asperifolius (Nees & Meyen ex Trin.) Nees]
{BC: Rebman 23729 (SD 94747)}
This rare species occurs in the higher elevations of the SSPM.
Ecoregions: CMT; Wider distrib.: CA, NM, UT

TOUGH muHLY, NAvaO muHLY

Muhlenbergia cenchroides (Humb. & Bonpl. ex Willd.) P.M. Peterson
{BC: Rebman 5783 (SD 143162)}
This rare annual grass occurs in the SLL of BCS. The type specimen for Aegopogon cenchroides var. breviglumis (Scribn.) Beetle is from our region.
Ecoregions: CPM; Wider distrib.: SON, SIN, widespread in Mexico, Central & South America

RElAX Grass

Muhlenbergia ciliata (Kunth) Kunth
{BC: Rebman 3227 (SD 142343)}
This rare & large perennial grass is only known from the SGUAD in BCS.
Ecoregions: GI; Wider distrib.: SON, SIN, nw Mexico, AZ

BAMBoO muHLY, OtaTIlLO, CarrIcILO

Muhlenbergia dumosa Scribn. ex Vasey
{BC: Rebman 5878 (SD 143162)}
This rare & large perennial grass is only known from the SGUAD in BCS.
Ecoregions: GI; Wider distrib.: SON, SIN, nw Mexico, AZ

Muhlenbergia emersleyi Vasey
[syn = Muhlenbergia gooddingii Soderstrom]
Status in CFP: 4.
{BC: Rebman 24847 (SD 98303); BCS: M. Domínguez L. 2622 (SD 143625)}
This uncommon perennial occurs on a few sky islands of the peninsula including the SJ, SSPM, SLIB, & SLL.
Ecoregions: CHA, CMT, CD, CPM; Wider distrib.: SON, SIN, nw Mexico, AZ, NM, TX, Central America

BuLLGrASS, BuLL muHLY, ZaCate de toro, ZACaTÓN

Muhlenbergia erecta Hitchc.
{BC: Rebman 4611 (SD 94747)}
This rare species occurs in the higher elevations of the SSPM.
Ecoregions: CMT; Wider distrib.: CA, NM, UT

TOUGH muHLY, NAvaO muHLY

Muhlenbergia dudleyi Scribn. & Reeder
BCS endemic.
{BC: Rebman 9361 (SD 75002)}
This rare BCS endemic annual is only known from Santa Margarita, Catalina, Espíritu Santo, & Cerralvo islands of BCS.
Ecoregions: GCD, MAG

BRANDEGEE muHLY

Muhlenbergia emersleyi W. T. Stearn
{BC: Rebman 5227 (SD 142343)}
This rare & large perennial grass is only known from the SGUAD in BCS.
Ecoregions: GI; Wider distrib.: SON, SIN, nw Mexico, AZ

BAMBoO muHLY, OtaTIlLO, CarrIcILO

Muhlenbergia emersleyi Vasey
[syn = Muhlenbergia gooddingii Soderstrom]
Status in CFP: 4.
{BC: Rebman 24847 (SD 98303); BCS: M. Domínguez L. 2622 (SD 143625)}
This uncommon perennial occurs on a few sky islands of the peninsula including the SJ, SSPM, SLIB, & SLL.
Ecoregions: CHA, CMT, CD, CPM; Wider distrib.: SON, SIN, nw Mexico, AZ, NM, TX, Central America

BuLLGrASS, BuLL muHLY, ZaCate de toro, ZACaTÓN
Muhlenbergia filiformis (Thurber ex S. Watson) Rydb.
[syn = Muhlenbergia idahoensis H. St.John, Muhlenbergia simplex (Scribn.) Rydb., Muhlenbergia filiformis var. forts E.H. Kelso]
Status in CFP: 4; Listed: CNPS 2.3.
{BC: Moran 24419 (SD 97722)}
This very rare native annual is only known in our region from one specimen collected in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, OAX, AZ
Common Muhly

Muhlenbergia pereilema P.M. Peterson
[In Wiggins as Pereilema crinitum J. Presl]
{BCS: T.S. Brandegee s.n., Nov 1902 (UC 122018)}
This rare native annual occurs in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, C & S Mexico, Central & South America
Tropical Muhly

Muhlenbergia pectinata C.O. Goodd.
{BC: R. Domínguez C. 3470 (SD 222308)}
This very rare native annual is only known in our region from one specimen collected in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, OAX, AZ
Comitop Muhly

Muhlenbergia rigens (Benth.) Hitchc.
{BC: Moran 24432 (SD 97827); BCS: Rebman 4594 (SD 141780)}
This very rare native annual is only known in our region from one specimen collected in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, OAX, AZ
Mat Muhly

Muhlenbergia rigens (Benth.) Hitchc.
{BC: Moran 24432 (SD 97827); BCS: Rebman 4594 (SD 141780)}
This very rare native annual is only known in our region from one specimen collected in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, OAX, AZ
Mat Muhly

Muhlenbergia rigens (Benth.) Hitchc.
{BC: Moran 24432 (SD 97827); BCS: Rebman 4594 (SD 141780)}
This very rare native annual is only known in our region from one specimen collected in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, OAX, AZ
Mat Muhly

Muhlenbergia rigens (Benth.) Hitchc.
{BC: Moran 24432 (SD 97827); BCS: Rebman 4594 (SD 141780)}
This very rare native annual is only known in our region from one specimen collected in the SLL of BCS.
Ecoregions: CPM; Wider distrib.: SON, SIN, OAX, AZ
Mat Muhly

Muhlenbergia rigens (Benth.) Hitchc.
This perennial occurs commonly in nw BC and on higher sky islands the length of the peninsula to the SLL.
Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, GIG, CPM; Wider distrib.: SON, nw Mexico, sw USA

**Deer Grass; Zacate del Venado**

*Oloptum miliaceum* (L.) Röser & H. R. Hamasha
*syn = Piptatherum miliaceum (L.) Coss., Stipa miliacea (L.) Hoo
er*

This very rare non-native perennial grass prefers disturbed habitats and has only been documented in the Tijuana area, but is expected elsewhere in nw BC.
Ecoregions: CSS; Wider distrib.: Native to Eurasia, introduced in AZ, CA

**Smilo Grass**

*Oplismenus hirtellus* (L.) P. Beauv.
*syn = Oplismenus hirtellus subsp. setarius (Lam.) Mez ex Ekman*

This very rare annual grass has only been collected once in the SLL of BC.
Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico, FL, a pantropical species

**Bristle Basketgrass; Zacate de la Bor**

*Orcuttia californica* Buckley

Status in CFP: IB; Listed: NOM P. FE. CE. CNPS IB.1.

*This rare, threatened vernal pool grass is only known from a few localities in nw BC and one recent discovery in a dry lakebed in the CD region of c BC.*
Ecoregions: CSS, CSU, CD; Wider distrib.: CA

**California Orcutt Grass**


**Panicum alatum** Zuloaga & Morrone var. *alatum*


*This rare, threatened vernal pool grass is only known from a few localities in nw BC and one recent discovery in a dry lakebed in the CD region of c BC.*
Ecoregions: CSS, CSU, CD; Wider distrib.: CA

**California Panic Grass**

*Zuloaga & Morrone var. longiflorum* Zuloaga & Morrone

*BC: A. Carter 5374 (SD 100451)*

This uncommon native annual occurs in the SGIG of BCS and differs from the other 2 vars. in having spikelets longer than 3.6 mm.
Ecoregions: GIG; Wider distrib.: SON, CA
LONG-FLOWER WING PANICGRASS

*Panicum antidotale* Retz.
{BC: Moran 25024 (SD 127308); BCS: Valov 75 (HCIB 21432)}
This large uncommon, non-native grass grows in ditches and wetlands in our region and occurs in the CD region of BC and is common in the vicinity of Malégal.
Ecoregions: CD, GCD, MAG; Wider distrib.: Native to India, introduced in SON, n Mexico, sw USA
BLUE PANICGRASS, GIANT PANICGRASS; PANIZO AZUL

Panicum capillare L.
{In Wiggins as Panicum capillare var. occidentale Rydb.; syn = Panicum capillare var. agresti Gatt., Panicum capillare var. barbipulvinatum (Nash) R.L. McGregor, Panicum capillare var. brevifolium Vasey ex Rydb. & Shear, Panicum barbipulvinatum Nash}
{BC: Moran 29255 (SD 106111)}
This native annual occurs in nw BC from the USA/Mexico border south to the vicinity of Colonel.
Ecoregions: CSS, CHA, CMT, CSU; Wider distrib.: SON, widespread in USA & Canada
COMMON WITCHGRASS

Panicum hirticaule J. Presl var. hirticaule
{syn = Panicum hirticaule var. miliaceum (Vasey) Beetle, Panicum pampinosum Hitchc. & Chase, Panicum sonorum Beal}
{BC: Moran 13669 (SD 78973); BCS: Rebman 4388 (SD 147179)}
This native annual occurs mostly on the sky islands of SJ, SLIB, SSF, SGUAD, SGIG, & in the vicinity of La Paz.
Ecoregions: CHA, GCD, GIG, MAG; Wider distrib.: SON, SIN, widespread in nw Mexico, sw USA, West Indies, South America
ROUGH-STALK WITCHGRASS, MEXICAN PANICGRASS; PANIZO CAUCHÍN

Panicum hirticaule J. Presl var. stramineum (Hitchc. & Chase) Beetle
{syn = Panicum stramineum Hitchc. & Chase, Panicum hirticaule subsp. stramineum (Hitchc. & Chase) Freckmann & Lelong}
{BCS: Rebman 9734 (SD 154040)}
This native annual is very rare in BCS and known only from one specimen in the SGIG. This variety differs from var. hirticaule in having a clasping blade & very few hairs on the stems & leaves.
Ecoregions: GIG; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, South America
SONORAN PANICGRASS

Panicum trichoides Sw.
{BCS: León de la Luz 4772 (SD 139948)}
This uncommon native annual occurs in the Cape region of BCS, especially in the SLL.
Ecoregions: CSS; Wider distrib.: Native to South America, introduced in Mexico, s USA, Central America

**DALLIS GRASS; ZACATE ANTEÑITA**

*Paspalum distichum* L.
[syn = Paspalum paspaloides (Michx.) Scribn., Paspalum paucispermum Michx.]

{BC: Moran 22592 (SD 91396); BCS: Moran 19005 (SD 100446)}

This perennial native prefers wetlands, is most common in nw BC, but is scattered down the length of the peninsula in wet habitats to the Cape region of BCS.

Ecoregions: CSS, CHA, CMT, CSU, CD, GIG, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico & USA, Central & South America, introduced in the Old World

**KNOTGRASS, THOMPSON GRASS; CAMALOTE SALADILLO, GRAMA**

*Paspalum hartwegianum* E. Fourn.

{BC: Rebman 18696 (SD 200253)}

This very rare native perennial occurs only in the region in the SLIB of s BC.

Ecoregions: CD; Wider distrib.: SON, widespread in Mexico, TX, Central & South America

**HARTWEG PASPALUM**

*Paspalum langei* (E. Fourn.) Nash

[syn = Paspalum bottieri (E. Fourn.) Chase]

{BC: Rebman 29176 (SD 241626)}

This very rare native species was recently documented in the Sierra del Novillo in the northeastern Cape region of BCS.

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, se USA

**RUSTY-SEED PASPALUM**

*Paspalum lentiginosum* J. Presl

{BC: D.F. Howe 4008 (SD 112195)}

This rare native perennial occurs in the vicinity of Mulegé in e BCS.

Ecoregions: GCD; Wider distrib.: SON, w Mexico, Central America

**SPOTTED PASPALUM**

*Paspalum paniculatum* L.

{BC: M.E. Jones 27618 (POM 194082)}

This rare native perennial occurs in the vicinity of San José del Cabo in s BCS. Specimens from the SLIB are similar to this species but have fewer racemes.

Ecoregions: CPL; Wider distrib.: SON, SIN, w & s Mexico, West Indies, Central & South America, introduced in se USA

**ARROCILLO; ARROCILLO**

*Paspalum pubiflorum* E. Fourn.

{BC: Rebman 18695 (SD 200255); BCS: E. Palmer 45 (UC 120609)}

This rare native perennial occurs in the SLIB of s BC and at Mulegé in BCS.

Ecoregions: CD, GCD; Wider distrib.: SON, widespread in Mexico, se USA

**HAIRY-SEED KNOTGRASS; CAMALOTE VELLUDO**

*Paspalum squamulatum* E. Fourn.

{BC: M. Domínguez L. 2989 (SD 146683)}

This rare native perennial occurs in the mountains of the Cape region in oak forest habitats.

Ecoregions: CPL, CPM; Wider distrib.: SON, SIN, w & s Mexico, Central America

**MOUNTAIN PASPALUM**

*Peyritschia pringlei* (Scribn.) Koch

[syn = Deschampsia pringlei Scribn., Trisetum kochianum Torres]

{BCS: M. Domínguez L. 2615 (SD 143618)}

This native perennial grass is very rare in our region and only known from the SLIB of BCS.

Ecoregions: CPM; Wider distrib.: SON, widespread in Mexico, Central & South America

**PRINGLE OATGRASS**


*Phalaris angusta* Nees ex Trin.

Status in CFP: 2B.

{BC: Moran 27093 (SD 102144)}

This native grass is rare in our region and is only known from extreme nw BC.

Ecoregions: CSS; Wider distrib.: SON, widespread in western & southern USA, South America

**TIMOTHY CANARY GRASS**

*Phalaris arundinacea* L.

[syn = Phalaroides arundinacea (L.) Raesusch.]

Status in CFP: 2B.

{BC: Moran 29719 (SD 108530)}

This species is rare in our region and is only known from extreme nw BC.

Ecoregions: CSS, CHA; Wider distrib.: Native & widespread in USA except TX & southeastern states, Eurasia; introduced elsewhere & sometimes a noxious weed

**REEF CANARY GRASS, RIBBON GRASS**

*Phalaris canariensis* L.

{BCS: R. Domínguez C. 3977 (SD 225164)}

This rare non-native grass is only known in our region from the Cape region of BCS.

Ecoregions: CPL; Wider distrib.: Native to Mediterranean Europe, introduced in SON, southern Mexico, widespread in USA

**ANNUAL CANARY GRASS; ALPISTE DE LAS CANARIAS**

*Phalaris caroliniana* Walter

{BC: Moran 25907 (SD 100759); BCS: R. Domínguez C. 1305 (SD 140744)}

This non-native grass occurs mostly in nw BC, but rarely in the Cape region of BCS.

Ecoregions: CSS, CHA, CSU, CPL; Wider distrib.: Native to northern & central Mexico, & most of USA, introduced in SON, sw USA

**CAROLINA CANARY GRASS; ALPISTILLO**

*Phalaris minor* Retz.

{BC: Moran 16016 (SD 71516); BCS: M. Domínguez L. 2408 (SD 157855)}

This non-native grass occurs mostly in BC, but is scattered & rare in BCS.

Ecoregions: CSS, CHA, CMT, CSU, LCD, CD, WD; Wider distrib.: Native to Mediterranean, introduced in SON, widespread but scattered in USA, a worldwide weed

**LITTLE-SEED CANARY GRASS; ALPISTILLO SILVESTRE**

*Phalaris paradoxa* L.

[syn = Phalaroides paradoxa (L.) Raesusch.]

{BC: Moran 16123 (SD 71468)}

This non-native grass occurs in nw BC near the Pacific coast.

Ecoregions: CSS, CSU; Wider distrib.: Native to Mediterranean region, introduced in SON, widespread in w USA, South America

**HOOD CANARY GRASS, PARADOX CANARY GRASS; ALPISTE**
Poa bigelovii Vasey & Scribner

[syn = Poa annua var. stricta Vasey ex Scrib.]

{BC: Moran 26992 (SD 102963); BCS: Moran 20411 (SD 87144)}
This native annual occurs mostly in BC on sky islands but ranges as far south as V3V in n BC.
Ecoregions: CHA, CMT, CSU, CD, GCD; Wider distrib.: SON, n Mexico, s & sw USA
BIGELOW BLUEGRASS; PASO AZUL PRECOZ, ZACATE AZUL PRECOZ

Poa fendleriana (Steud.) Vasey subsp. fendleriana

{BC: Moran 21232 (SD 86358)}
This rare native perennial grass is only known in our region from the SJ in nw BC.
Ecoregions: CHA, CMT; Wider distrib.: SON, CHH, COA, w USA, Canada
MUTTON GRASS

Piptochaetium pringlei (Beal) Parodi

{syn = Poa annua var. reptans Hausskn., Poa annua var. aquatica Aschers.}

{BC: Moran 15627 (SD 69091)}
This native perennial occurs at higher elevations in the SSPM of n BC.
Ecoregions: CMT; Wider distrib.: SON, CHH, COA, AZ, NM, TX
PRINGLE SPEARGRASS, PRINGLE NEEDLEGRASS


[In Wiggins as Phragmites communis Trin.; syn = Phragmites phragmites (L.) Karst.]

{BC: Rebman 3786 (SD 140492); BCS: Mudie 952 (SD 93775)}
This large native perennial occurs uncommonly in wet desert canyons & wetlands throughout most of the desert portions of the peninsula. This subspecies is sometimes called the Gulf Coast lineage. A non-native & invasive lineage of this species should be looked for in coastal parts of nw BC.
Ecoregions: LCD, CD, VD, GCD, CPL; Wider distrib.: SON, widespread in coastal parts of nw BC.
A non-native & invasive lineage of this species should be looked for insula. This subspecies is sometimes called the Gulf Coast lineage.

Piptochaetium fimbriatum (Kunth) Hitchc.

{syn = Stipa frimbriata Kunth}

{BC: Rebman 25201 (SD 223634); BCS: Moran 23868 (SD 95338)}
This native perennial occurs rarely on peninsular sky islands including the SLIB, SSF, & SLL.
Ecoregions: CD, CPM; Wider distrib.: SON, widespread in Mexico, AZ, NM, TX
PINYON RICE GRASS; FALSO ESPARTILLO DEL PINAR
**Poa thomasiis** Refulio

[In Wiggins as *Dissanthelium californicum* (Nutt.) Benth.]

Status in CFP: 1A; Listed: CNPS 1B 2.

{BC: E. Palmer 96 (MO 2110878)}

*This very rare native annual may be extirpated in Mexico and is only known from one historical specimen on Guadalupe Island.

This grass is currently known to occur on Santa Catalina and San Clemente islands off of southern CA.

Ecoregions: PI (Guadalupe); Wider distrib.: CA (Channel Islands)

**Arabian Grass**

**Dissanthelium**

**Schizachyrium**

**Saccharum**

**Scribneria**
This uncommon native annual occurs on sky islands of the peninsula from the SSF south to the Cape region. This species can be difficult to separate from S. palmeri & S. leucopila.

Ecoregions: CD, GCD, GIG, MAG, CPL; Wider distrib.: SON, SIN, widespread in Mexico, sw USA

LARGE-SPIKE BRISTLEGRASS; ZACATE TEMPRANERO, PAJITA TEMPRANERA

*Setaria palmeri* Henr.  
[syn = Chaetochloa rigida Scribn. & Merr.]  
BC endemic.  

(BC: Rebm 4471 (SD 141775))  
This BCS endemic perennial occurs throughout most of BCS from the SSF south to the Cape region.  

Ecoregions: CD, GCD, GIG, MAG, CPL, CPM  
PALMER BRISTLEGRASS  

*Setaria parviflora* (Poir.) Kerguelen  
In Wiggins as Setaria geniculata P. Beauv.; syn = Setaria imberbe Poir.  

(BC: Rebm 18673 (SD 200256); BCS: M. Domínguez L. 412 (SD 154113))  
This rare native perennial occurs in the SBOR and on a few places in the SSF and Cape region of BCS. It is possible that some populations are adventive.  

Ecoregions: CD, VC, CPL, CPM; Wider distrib.: SON, SIN, widespread in Mexico & USA, Central America

KNOTROOT BRISTLEGRASS; PAJITA CERDOSA, MOTILLA, ZACATE SEDOSO

*Setaria pumila* (Poir.) Roem. & Schult.  
In Wiggins as Setaria lutescens (Weigel ex Stuntz) F. T. Hubb. misappl.; syn = Setaria glauca (L.) P. Beauv. misappl.  

(BCS: Gould 12170 (UC M148478))  
This very rare non-native annual has only been collected once in the Cape region, but is expected in urban areas of the peninsula.  

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico & USA; Central America  

YELLOW BRISTLEGRASS, PIGEON GRASS, YELLOW FOXTAIL GRASS

*Setaria verticillata* (L.) P. Beauv.  

(BCS: A.A. Beetle 2472 (RSA 242080))  
This very rare non-native annual has only been collected once in the agricultural areas of the MAG region, but might be expected in disturbed areas of nw BC as well.  

Ecoregions: MAG; Wider distrib.: SON, widespread in USA & Canada

HOOED BRISTLEGRASS

*Setaria verticilliformis* Dumort.  
[syn = Setaria verticillata (L.) Beauv. var. ambigua (Guss.) Parl. misappl.]  

(BC: Mor 18580 (SD 80201))  
This rare non-native occurs in urban areas of nw BC in Tijuana & Ensenada.  

Ecoregions: CSS; Wider distrib.: Native to Europe, introduced & scattered in urban areas of USA

BARBED BRISTLEGRASS

*Setaria viridis* (L.) P. Beauv.  

(BC: Mor 15313 (SD 67943))  
This uncommon non-native annual prefers disturbed areas and occurs in extreme nw BC.
Ecoregions: CSS, CHA, CMT; Wider distrib.: Native to Eurasia, introduced in SON, widespread in USA & Canada

**Green Bristlegrass**

*Setariopsis auriculata* (E. Fourn.) Scribn.
[syn = *Setaria auriculata* E. Fourn.]
(BCS: Rebman 4318 (SD 141774))
This native annual occurs in BCS in the SGUAD and more commonly in the Cape region.
Ecoregions: GCD, GIG, CPL, CPM; Wider distrib.: SON, CHH, AZ, Central & South America

**Mexican Bristlegrass**

*Sorghum bicolor* (L.) Moench subsp. *bicolor*
[In Wiggins as Sorghum vulgare Pers.]
{BC: Moran 24508 (SD 97771); BCS: R. Domínguez C. 984 (HCIB 3439)}
This non-native grass is planted as a crop and as forage and rarely naturalizes along roads & ditches throughout the peninsula and on Cedros Island.
Ecoregions: CSS, CMT, CSU, PI (Cedros), CD, GCD; Wider distrib.: Native to Africa, introduced in SON, n Mexico, widespread in USA, e Canada

**Sorghum halepense** (L.) Pers.
{syn = Holcus halepensis L.}
{BC: Moran 27714 (SD 103246); BCS: Rebman 4445 (SD 141773)}
This non-native grass occurs in ditches, urban areas, & wetlands throughout most of the peninsula.
Ecoregions: CSS, CHA, CSU, LCD, GCD, GIG, MAG, CPL; Wider distrib.: Native to Mediterranean, introduced in SON, SIN, widespread in Mexico, USA, a worldwide weed in warm areas.

**Sparganium foliosa** Trin.
[syn = Spartina leiantha Benth.]
Status in CFP: 4.
{BC: Neuwenschwender 25 (SD 80994); BCS: Moran 22760 (SD 942244)}
This native grass occurs in coastal salt marshes along most of the Pacific coast from the USA border to Bahía de Magdalena. It rarely occurs on the Gulf coast in the vicinity of La Paz.
Ecoregions: CSS, CSU, SV, LCD, GCD; Wider distrib.: CA California Cordgrass; ESPIRITLU

**Spheno illicitus** (Buckley) Scribn. subsp. *californica* (Vasey) Scribn.
[syn = Trisetum californicum Vasey, Trisetum interruptum Buckley var. californicum (Vasey) Luise-Marie]
BC endemic. Status in CFP: 1A.
{BC: Orcutt 1437 (MO 2526390)}
This very rare & possibly extinct native grass is only known from the type locality at San Ramón between Colonet & San Quintín in nw BC and it has not been documented since 19 April 1886.
Ecoregions: CSU

**Seleniumella contractus** Hitchc.
{BC: Moran 27705 (SD 103237); BCS: Hastings 104 (SD 68002)}
This uncommon grass occurs in n BC especially in the vicinity of San Matías Pass and rarely into BCS in the Cape region and in the MAG region.
Ecoregions: CHA, CSU, LCD, GCD, MAG, CPL; Wider distrib.: SON, sw USA

**Sporobolus airoides** (Torr.) Torr. subsp. *airoides*
[In Wiggins as Sporobolus airoides var. airoides; syn = Agrostis airoides Torr.]
{BC: Moran 25083 (SD 98641); BCS: D.E. Breedlove 62585 (CAS 740294)}
This native perennial grass prefers alkaline substrates and occurs most commonly in nw BC and rarely in the CD & VD regions.
Ecoregions: CSS, CHA, CMT, CD, VD; Wider distrib.: SON, SIN, n Mexico, c & w USA, w Canada

**Sporobolus atrovirens** (Kunth) Kunth
{BC: T.S. Brandegee s.s., no date (UC 121822)}
This very rare perennial grass has only been documented in our region from two historical specimens in the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: c & s Mexico

**MEXICAN DROPSEDGE**

**Sporobolus cryptandrus** (Hitch.) Hitchc.
{BC: Moran 24810 (SD 97950); BCS: Rebman 4446 (SD 141772)}
This grass is most common in n BC in the SJ & SSPM, but it occurs disjunctly throughout the length of the peninsula and on a few adjacent islands.
Ecoregions: CHA, CMS, CD, GCD, MAG, CPL; Wider distrib.: SON, n & w Mexico, sw USA

**Sporobolus cryptandrus** var. *fuscicola* (Hook.) Hitchc.
[In Wiggins as Sporobolus cryptandrus var. fuscicola (Hook.) Pohl, Sporobolus cryptandrus var. occidentalis E.K. Jones & Fassett]
{BC: D.E. Breedlove 62585}
This grass is most common in n BC in the SJ & SSPM, but it occurs disjunctly throughout the length of the peninsula and on a few adjacent islands.
Ecoregions: CHA, CMS, CD, GCD, MAG, CPL; Wider distr.: SON, n & w Mexico, sw USA

**Sporobolus holmis obtusata** var. *lobata* (Trin.) Scribn., Sphenopholis obtusata var. pubescens (Scribn. & Merr.) Scribn., Aria obtusata Michx.
Status in CFP: 2B; Listed: CNPS 2.2.
{BC: Moran 17985 (SD 76467)}
This native annual grass is rare in our region and only known from the higher foothills of the SSPM in nw BC.
Ecoregions: CHA; Wider distrib.: SON, n & s Mexico, widespread in USA & Canada, Caribbean

**Prairie Wedgegrass, Prairie Wedgescale; ZACATE DE CUÑA**

**Sporobolus atrovirens** (Kunth) Kunth
{BC: T.S. Brandegee s.s., no date (UC 121822)}
This very rare perennial grass has only been documented in our region from two historical specimens in the Cape region of BCS.
Ecoregions: CPM; Wider distrib.: c & s Mexico

**MEXICAN DROPSEDGE**

**Sporobolus contractus** Hitchc.
{BC: Moran 27705 (SD 103237); BCS: Hastings 104 (SD 68002)}
This uncommon grass occurs in n BC especially in the vicinity of San Matías Pass and rarely into BCS in the Cape region and in the MAG region.
Ecoregions: CHA, CSU, LCD, GCD, MAG, CPL; Wider distrib.: SON, sw USA

**Sporobolus cryptandrus** (Torr.) A. Gray
[syn = Sporobolus cryptandrus subsp. fusicola (Hook.) E.K. Jones & Fassett, Sporobolus cryptandrus var. fusicola (Hook.) Pohl, Sporobolus cryptandrus var. occidentalis E.K. Jones & Fassett]
{BC: Moran 24810 (SD 97950); BCS: Rebman 4446 (SD 141772)}
This grass is most common in n BC in the SJ & SSPM, but it occurs disjunctly throughout the length of the peninsula and on a few adjacent islands.
Ecoregions: CHA, CMS, CD, GCD, MAG, CPL; Wider distr.: SON, n & w Mexico, sw USA

**Sporobolus pyramidalis** (Lam.) Hitchc.
[In Wiggins as Sporobolus pulvinatus Swallen; syn = Sporobolus argutus (Nees) Kunth, Agrostis pyramidalis Lam.]
{BCS: Gould 11852 (SD 63188)}
This grass is common at lower elevations throughout most of BCS, especially on sandy substrates.
Ecoregions: BC, GCD, MAG, CPL; Wider distr.: SON, SIN, widespread in Mexico, s & e USA, FL., Central & South America

**WHORLED DROPSEDGE; ZACATE PIRÁMIDE, ZACATÓN PYRAMIDAL**
**Sporobolus splendens** Swallen

{BCS: *M. Domínguez L.* 484 (SD 154112)}

*This large perennial grass grows in sandy beach habitats and is rare in BCS on the western side of the Cape region.*

Ecoregions: CPL; Wider distrib.: SON, SIN, JAL, NAY, OAX

**Splenendid Seashore Grass**

**Sporobolus virginicus** (L.) Kunth

[syn = Agrostis virginica L.]

{BCS: *Mudie 1085 (SD 93851)}

*This beach grass occurs commonly along both coasts of BCS and on adjacent islands. In a sterile condition, this species is often confused with Jouvea pilosa & Distichlis palmeri.*

Ecoregions: VD, GCD, MAG, CPL; Wider distrib.: SON, SIN, widespread in Coastal Mexico, se & s coastal USA, tropical & subtropical shores worldwide

**Seashore Dropseed; Zacate Salado de la Playa, Zacate Costero**

**Sporobolus wrightii** Munro ex Scribn.

{BC: *Rebmam 3987 (SD 144425); BCS: D.E. Breedlove 62425 (MO 3645099)}

*This perennial grass is rather rare in our region and is known from a few places in n BC, especially in the CD region, and in the Cape region of BCS.*

Ecoregions: CHA, CD, CPL; Wider distrib.: SON, n Mexico, sw USA

**Big Alkali Satic; Big Satic**

**Stenotaphrum secundatum** (Walter) Kuntze

{syn = Ischaemum secundatum (Walter) Kuntze}

{BC: *Rebmam 3987 (SD 144425); BCS: Richard S. Felger s.n., 11 Nov 2005 (HCIB 23628)}

*This non-native grass is commonly planted in yards and is known to rarely naturalize or at least persist in our region in urban areas of BC & BCS.*

Ecoregions: CSS, GCD; Wider distrib.: Native to South America, introduced in SON, SIN, CA & s USA, naturalized in most tropical & subtropical areas worldwide

**Saint Augustine Grass; Gramillón de San Agustín**

**Trachypogon secundatus** (J. Presl) Scribn.

{syn = Trachypogon montufari (Kunth) Nees}

{BCS: *León de la Luz 9626 (SD 151992)}

*This rare native perennial grass occurs in the SLL of BCS.*

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, South America

**Crinkle-Awn; Zacate Barbá Larga**

**Triglochium ciliatum** (Kunth) Kunth

{syn = Triglochium montei (Kunth) Nees}

{BCS: *León de la Luz 9626 (SD 151992)}

*This rare native perennial grass occurs in the SLL of BCS.*

Ecoregions: CSS, GCD; Wider distrib.: Native to South America, introduced in SON, SIN, CA & s USA, naturalized in most tropical & subtropical areas worldwide

**Saint Augustine Grass; Gramillón de San Agustín**

**Triticeum viride** (Kunth) Kunth

{syn = *Trisetum palmeri* Hitchc.}

{BCS: *León de la Luz 2717 (HCIB 5865)}

*This rare native perennial grass occurs in higher elevations of the SLL of BCS.*

Ecoregions: CSS, GCD; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, Central America

**Mexican Gamagrass; Milpa de Venado**

**Tripsacum lanceolatum** Rupe. ex E. Fourn.

{BCS: *M. Domínguez L.* 2634 (SD 143615)}

*This rare native perennial grass occurs in higher elevations of the SLL of BCS.*

Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, Central America

**Mexican Gamagrass; Milpa de Venado**

**Triticum aestivum** L.


{BC: *Rebmam 10501 (SD 54329); BCS: Duncan M. Porter 477 (DS 451674)}

*This economically important crop is planted worldwide and often naturalizes. In our region, it has naturalized or at least exists a waif mostly in nw BC and adjacent Pacific islands, but is also found rarely along roadsides in BCS.*

Ecoregions: CSS, CSU, PI, CD, MAGIC; Wider distrib.: Native to Asia, introduced in SON, widespread in USA & Canada

**Wheat, Cereal Wheat; Trigo**

**Tuctoria fragilis** (Swallen) J. Reeder

{syn = Orcuttia fragilis Swallen}

BCS endemic.

{BCS: *Reeder 7144 (SD 116674)}

*This rare BCS endemic annual grass occurs only in the vicinity of Llanos de Hiray in sw BCS.*

Ecoregions: MAG

**Baja California Spiral Grass**

**Urochloa arizonica** (Scribn. & Merrill) Morrone & Zuloaga

{In Wiggins as Panicum arizonicum Scribn. & Merr., Brachiaria arizonica (Scribn. & Merr.) S.T. Blake; syn = Panicum dissitiflorum Vasey}

{BC: *Rebmam 3348 (SD 139369)}
This annual grass is very common throughout most of BCS, but is rare in BC and documented from the vicinity of San Matías & the southern CD region.

Ecoregions: LCD, CD, VD, GCD, GIG, MAG, CPL, CPM; Wider distr.: SON, SIN, w & s Mexico, AZ, NM, TX

Arizona Signal Grass; Piojillo de Arizona

_Urochloa fusca_ (Sw.) B.F. Hansen & Wunderlin

*panicum fasciculatum Sw., Panicum fasciculatum var. reticulatum (Torr.) Beal, Brachiaria fasciculata (Sw.) Parodi, Urochloa fasciculata (Sw.) R.D. Webster*

{BC: Rebman 25152 (SD 225221); BCS: A. Carter 5249 (SD 100453)}

This native annual grass is very common throughout most of BCS, but is rare in BC and documented from the vicinity of San Matías & the southern CD region.

_Ecoregions: CPL; Wider distr.: Native to South America, introduced & invasive in tropical & subtropical regions worldwide_ **WATER-HYACINTH; PATTÓ, JACINTO DE AGUA, CÁMALOTE, LIRIO ACUÁTICO**

_Heteranthera limosa_ (Sw.) Willd.

{BC: Rebman 18688 (SD 200257); BCS: Rebman 4497 (SD 141771)}

This rare native annual occurs in wetlands & ponds in the SLB & SSF.

_Ecoregions: CD; Wider distr.: SON, SIN, c & n Mexico, c & sw USA, Central & South America_ **BLUE MUDPLANTAIN; PATTOS, CUCHARRILÁ**

_Potamogetonaceae_


*Potamogeton crispus* L.

{BCS: M. Domínguez L. 4113 (HCIB 23478)}

This rare non-native aquatic species is only known in our region in the SLL of BCS.

_Ecoregions: CPM; Wider distr.: Native to Eurasia, introduced in USA & Mexico, a worldwide weed_ **CRISP-LEAF PONDWEED, CURLED PONDWEED**

_Potamogeton foliosus* Raf. subsp. _foliosus_*

{syn = _Potamogeton foliosus var. macellus* Fernald}

_Status in CFP: 2B.*

{BC: Moran 27767 (SD 103163); BCS: Hodgson 8168 (SD 138443)}

This uncommon native aquatic species is distributed in wetlands the length of the peninsula.

_Ecoregions: CSS, CHA, CSU, CD, CPL, CPM; Wider distr.: SON, scattered in Mexico, widespread in USA & Canada, West Indies, Central America_ **LEAFY PONDWEED**

_Potamogeton illinoensis* Morong

{syn = _Potamogeton heterophyllus* Schreb., Potamogeton lucens auct. non L., Potamogeton angustifolius* Bercht. & K. Presl}

_Status in CFP: 2B.*

{BC: Moran 11351 (SD 59892); BCS: A. Carter 5650 (SD 124336)}

This native aquatic species is rare in nw BC, but more common in wetlands throughout most of BCS.

_Ecoregions: CSS, CHA, CD, GIG, MAG, CPL, CPM; Wider distr.: Rare in Mexico, widespread in USA & Canada, Central & South America_ **SHINING PONDWEED, ILLINOIS PONDWEED**

_Potamogeton natans* L.*

_Status in CFP: 2B; Listed: NOM Pr.*

{BC: Moran 30936 (SD 111353)}

This rare native aquatic occurs in the SSD of BC.

_Ecoregions: CMT; Wider distr.: Widespread in USA & Canada, Eurasia_ **FLOATING-LEAF PONDWEED**

_Potamogeton nodosus* Poir.

{syn = _Potamogeton fluvians* Roth, Potamogeton americanus* Cham. & Schldl., Potamogeton mexicanus* A. Benn.}

_Status in CFP: 2B.*

{BC: Moran 16347 (SD 75307)}

This rare native aquatic occurs in the western foothills of the SSPM.
Fennel-leaF pondweed, Sago pondweed

Ecoregions: CSS, CHA, CMT, CSU, VD, GIG, MAG, CPM; Wider the peninsula.

This native aquatic species occurs in wetlands throughout most of BC.

Status in CFP: 4.

\[\text{In Wiggins as Potamogeton pectinatus L.}\]

\[\text{CSS, CHA, CMT, CSU, VD, GIG, MAG, CPM; Wider distrib.: SON, c Mexico, widespread in USA & Canada, Central & South America, Eurasia, Africa}\]

Potamogeton pusillus L.

Ecoregions: CSS, CHA, CMT, LCD, CD; Wider distrib.: SON, AZ, CA, NV

Biegelow Bear-grass, Bigelow Nolina, Desert Tree-Bear-grass; Sotol, Palmita

Nolina brandegeei (Trel.) L. Hern. ined.

[In Wiggins as Nolina palmeri var. brandegeei Trel.]

BCS endemic.

\[\text{CPS: Moran 18822 (SD 94452)}\]

This BCS endemic tree-like species occurs on sky islands including the SSF, V3V, SGUA, & the s SGIG. Note the nomenclatural combination for this taxon at the species level is not yet formally published but should be done soon by Luis Hernández Sandoval.

Ecoregions: CD, GIG

Biegelow Bear-grass; Sotol, Palmita

Nolina interrata Gentry

Ecoregions: CSS; Wider distrib.: sw San Diego County

Nolina interrata

BCS endemic. Status in CFP: 1B; Listed: NOM Pr. CE, CNPS 1B.2.

\[\text{CSS: Moran 29794 (SD 109042)}\]

This very rare species occurs in a small area just northeast of Ensenada in nw BC.

Ecoregions: CSS, CHA; Wider distrib.: CA (sw San Diego County)

Dehesa Nolina, Dehesa Bear-grass

Nolina palmeri S. Watson

Ecoregions: CHA, LCD, CD; Wider distrib.: CA, NV

Nolina palmieri

[In Wiggins as Nolina palmeri var. palmeri]


\[\text{BCS: Moran 14426 (SD 79540)}\]

This BC endemic species lacks a tree-like trunk and occurs commonly in the SJ & SSPM, but also on a few sky islands in the CD region as far south as the SLIB.

Ecoregions: CHA, CMT, CD

Palmer Bear-grass; amole, Sotol.

Themidaceae


Behria tenuiflora Greene

Ecoregions: CSS, CHA, LCD, CD; Wider distrib.: CA, NV

Nolina interrata

[In Wiggins as Nolina palmeri var. interrata]

BCS endemic. Status in CFP: 1B; Listed: NOM Pr. CE, CNPS 1B.2.

\[\text{BCS: Moran 29794 (SD 109042)}\]

This BC endemic tree-like species occurs on sky islands including the SSF, V3V, SGUA, & the s SGIG. Note the nomenclatural combination for this taxon at the species level is not yet formally published but should be done soon by Luis Hernández Sandoval.

Ecoregions: CD, GIG

Biegelow Bear-grass; Sotol, Palmita

Nolina interrata

BCS endemic. Status in CFP: 1B; Listed: NOM Pr. CE, CNPS 1B.2.

\[\text{CSS: Moran 18822 (SD 94452)}\]

This BCS endemic tree-like species occurs on sky islands including the SSF, V3V, SGUA, & the s SGIG. Note the nomenclatural combination for this taxon at the species level is not yet formally published but should be done soon by Luis Hernández Sandoval.

Ecoregions: CD, GIG

Biegelow Bear-grass; Sotol, Palmita

Nolina interrata

BCS endemic. Status in CFP: 1B; Listed: NOM Pr. CE, CNPS 1B.2.

\[\text{CSS: Moran 29794 (SD 109042)}\]

This BC endemic tree-like species occurs on sky islands including the SSF, V3V, SGUA, & the s SGIG. Note the nomenclatural combination for this taxon at the species level is not yet formally published but should be done soon by Luis Hernández Sandoval.

Ecoregions: CD, GIG

Biegelow Bear-grass; Sotol, Palmita
**Brodiaea terrestris** Kellogg subsp. *kernensis* (Hoover) T. Niehaus
[In Wiggins as Brodiaea jolonensis Eastw. misappl.]
Status in CFP: 2A.
{BC: Moran 14992 (SD 67048)}
*This rare native bulb occurs in extreme nw BC.*
Ecoregions: CSS; Wider distrib.: CA

**Dichelostemma capitatum** (Benth.) Alph. Wood subsp. capitatum
[In Wiggins as Dichelostemma pulchellum (Salisb.) A. Heller var. pulchellum]
{BC: Moran 21023 (SD 83925); BCS: Moran 19953 (SD 92804)}
*This common native bulb occurs throughout most of BC, except ne BC, on adjacent Pacific islands, and rarely in BCS as far south as the SGIG.*
Ecoregions: CSS; CHA; CMT; CSU; PI; CD; VD; GIG; Wider distrib.: SON, SV, SW USA

**Dichelostemma capitatum** (Benth.) Alph. Wood subsp. pauciflorum (Torr.) Keator
[In Wiggins as Dichelostemma pulchellum (Salisb.) A. Heller var. pauciflorum (Torr.) Hoover]
{BC: Toomey 23 (SD 144847)}
*This rare native bulb occurs in the SJ & in the CD region of BC.*
*This subspecies seems to prefer more arid/desert transition habitats than the other subspecies.*
Ecoregions: CHA; CD; Wider distrib.: SON, SW USA

**Millia biflora** Cav.
{BC: DeBach 1290 (SD 133242)}
*This rare native bulb occurs in the southeastern Cape region of BCS.*
Ecoregions: CPL; Wider distrib.: SON, SIN, widespread in Mexico, AZ, NM, TX, Central America

**Millia maritima** (Torr.) S. Watson
Status in CFP: 4.
{BC: Moran 15302 (SD 68077)}
*This uncommon native bulb occurs in nw BC.*
Ecoregions: CSS; CHA; CMT; Wider distrib.: CA

**Triteleia guadalupensis** L.W. Lenz
BC endemic. Status in CFP: 1B, 5.
{BC: Meling L. 24 (SD 119483)}
*This rare BC endemic bulb occurs only on Guadalupe Island.*
Ecoregions: PI (Guadalupe)

**Triteleia ixioides** (W.T. Aiton) Greene subsp. *scabra* (Greene) L.W. Lenz
[syn = Brodiaea scabra (Greene) Baker, Triteleia scabra (Greene) Greene ex Rattan, Brodiaea lutea var. scabra (Greene) Munz]
Status in CFP: 2A.
{BC: Brey 220 (SD 136279)}
*This rare native bulb is only known in our region from the SJ of n BC.*
Ecoregions: CMT; Wider distrib.: CA; OR

**Triteleopsis palmeri** (S. Watson) Hoover
{BC: Moran 7949 (SD 60487); BCS: F.M. Roberts 4520 (SD 164580)}
*This common native bulb occurs throughout most of the central part of the peninsula and is especially dominant in some years in the VD region.*
Ecoregions: LCD, CD, VD, GCD; Wider distrib.: SON, AZ

**Sparganium eurycarpum** Engel.
[In Wiggins as Sparganium greenei Morong; syn = Sparganium eurycarpum var. greenei (Morong) Graebn.]
Status in CFP: 2B; Listed: NOM P.
{BC: Wiggins 9171 (DS 258584)}
*This very rare native is only known from historical specimens in the SJ of n BC.*
Ecoregions: CMT; Wider distrib.: Widespread in USA & Canada, e Asia

**Typha latifolia** L.
Status in CFP: 2B.
{BC: Moran 21117 (SD 84540)}
*This rare native species occurs in the foothills of the SSPM & on Cedros Island.*
Ecoregions: CSS; PI (Cedros); Wider distrib.: Rare in Mexico, widespread in USA & Canada, Central & South America, Old World

**Zannichellia palustris** L.
{BC: R.F. Thorne 56049 (SD 123830); BCS: M. Domínguez L. 3278 (SD 160179)}
*This uncommon native aquatic occurs mostly in nw BC, but also in the SGIG of BCS.*
Ecoregions: CSS; CHA; CMT; CSU; VD; GCS; GIG; MAG; CPL; Wider distrib.: SON, SIN, widespread in Mexico & USA, West Indies, Central & South America, Old World

**Zostera marina** L.
BC endemic. Status in CFP: 1B, 5.
{BC: Moran 21091 (SD 60487)}
*This rare native bulb occurs in extreme nw BC.*
Ecoregions: CSS; CHA; CMT; CSU; PI; CD; VD; GIG; Wider distrib.: SON, SW USA

**Zosteraceae**

**Phyllospadix scopulorum** Hook.
{BC: Moran 17482 (SD 74945); BCS: Mudie 821 (SD 93954)}
*This native perennial grows in the Pacific Ocean and occurs along the west coast of BC, nw BCS, and on adjacent Pacific islands.*
Ecoregions: CSS; CSU; PI; VD; MAG; Wider distrib.: W USA & w Canada

**Phyllospadix torreyi** S. Watson
{BC: M. Hommersand s.n., 30 Jul 1969 (SD 71925); BCS: Pérez Navarro 195 (SD 147201)}
This native perennial grows in the Pacific Ocean and occurs along the west coast of BC & BCS, and on adjacent Pacific islands. Ecoregions: CSS, CSU, PI, VD, MAG; Wider distrib.: w USA & w Canada
Torrey Surf-Grass

**Zostera marina** L.
[syn = Zostera marina var. atam T.W.H. Backman]
{BC: Moran 7844 (SD 50070); BCS: Mudie 761 (SD 93850)}
This native perennial grows in the Pacific Ocean & Gulf of California and although with few specimen collections documenting its distribution, it is expected to occur along both coasts of the peninsula and on various Pacific islands. Ecoregions: CSU, PI, VD, MAG; Wider distrib.: SON, SIN, w & ne USA, Canada, Eurasia
Common Eel-Grass
APPENDIX I

Reported and Excluded Taxa

Lycophytes

Selaginellaceae

Selaginella rupincola Underw.
Source of report: specimen; expected in BCS.
Specimens from southern BCS identified as this are likely S. bigelovii, but need to be verified as these two species are difficult to separate.

Ferns

Anemiaceae

Anemia tomentosa (Sav.) Sw. var. mexicana (C. Presl.) Mickel [In Wiggins as Anemia anthricifolia Schrad. misappl.]
Source of report: WIGG; expected in BC.
Reported for the eastern slopes of SSPM in n BC, but no specimens found.

Aspleniaceae

Asplenium formosum Willd.
Source of report: specimen; expected in BCS.
Specimens previously identified as this from SGUAD are probable mis-IDs of A. palmeri.

Asplenium gentryi A.R. Sm.
Source of report: specimen; expected in BCS.
Specimens from BCS previously identified as this species cannot be found.

Athyriaceae

Athyrium felix-femina (L.) Roth subsp. cyclosorum (Rupr.) C. Chr.
Source of report: specimen; expected in BCS.
Specimens identified as this species from the SLL of BCS are currently recognized as A. bourgeaui.

Dennstaedtiaceae

Pteridium aquilinum (L.) Kuhn var. feei (W. Schaffn. ex Fée) Maxon ex Yunck.
[Pteridium feei (W. Schaffn. ex Fée) Faull]
Source of report: specimen; expected in BCS.
Specimens identified as this from the SLL of BCS are likely mis-IDs of P. aquilinum var. latusculum.

Dryopteridaceae

Dryopteris cinnamomea (Cav.) C. Chr.
Source of report: specimen; expected in BC.
Specimens from nw BC identified as this species are likely mis-IDs of D. arguta.

Dryopteris patula (Sw.) Underw.
Source of report: specimen; expected in BCS.
Specimens identified as this species are likely mis-IDs of D. rossii which was previously recognized as a variety of D. patula.

Polystichum imbricans (D.C. Eaton) D.H. Wagner subsp. curtum (Ewan) D.H. Wagner
Source of report: CFP list; expected in BC.
Reported for nw BC, but no specimens found.

Marsileaceae

Marsilea oligospora Goodd.
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this are likely mis-IDs of M. vesitita subsp. vestita.

Polypodiaceae

Pleopeltis macrocarpa (Bory ex Willd.) Kauf.
[In Wiggins as Polypodium lanceolatum L.]
Source of report: WIGG; expected in BCS.
Specimens from the SLL of BCS identified as this are likely mis-IDs of P. polylepis var. polylepis.

Pleopeltis polylepis (Kunze) T. Moore var. interjecta (Weath.) E.A. Hooper
Source of report: specimen; expected in BCS.
Specimens from the SLL of BCS identified as this are likely mis-IDs of P. polylepis var. polylepis.

Pteridaceae

Argyrochosma jonesii (Maxon) Windham [In Wiggins as Notholaena jonesii Maxon]
Source of report: WIGG; expected in BC.
Reported for the San Felipe desert region in ne BC, but no specimens found.

Argyrochosma limitanea (Maxon) Windham subsp. limitanea [Notholaena limitanea Maxon]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Astrolepis laevis (M. Martens & Galeotti) Mickel [Cheilanthes beitelii Mickel]
Source of report: specimen; expected in BCS.
Specimens identified as this or Cheilanthes beitelii are likely mis-IDs for Astroplepis sinuata.

Cheilanthes farinosa (Forssk.) Kaulf. [Aleuritopteris chihuahuensis Saiki]
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS need to be verified. This species is not impossible in our region, but this species can be difficult to separate from Notholaena candida.

Cryptogramma acrostichoides R. Br.
Source of report: FNA; expected in BC.
Reported for BC, but no specimens found.

Gaga angustifolia (Kunth) Fay-Wei Li & Windham [Cheilanthes angustifolia Kunth]
Source of report: specimen; expected in BCS.
Specimens from the Cape region identified as this species are likely mis-IDs of Gaga hirsuta.

Gaga marginata (Kunth) Fay-Wei Li & Windham [Cheilanthes marginata Kunth]
Source of report: specimen; expected in BCS.
Specimens identified as this species are likely mis-IDs of *Gaga hirsuta*.

*Myriopteris microphylla* (Sw.) Grusz & Windham
[Cheilanthes microphylla Sw.]
Source of report: Lenz; expected in BCS.
Reported for the Cape region in Lenz, but the specimen cited is actually *M. myriophylla*.

*Myriopteris tomentosa* (Link) Fée
[Cheilanthes tomentosa Link]
Source of report: specimen; expected in BC.
Specimens identified as this from Guadalupe Island are likely mis-IDs of *M. newberryi*.

*Myriopteris tomentosa* (Link) Fée
[Cheilanthes tomentosa Link]
Source of report: specimen; expected in BC.
Specimens identified as this from the SGUD of BCS are likely mis-IDs of *Myriopteris peninsularis* var. *peninsularis*.

*Notholaena galeottii* Fée
[Cheilanthes galeottii (Fée) Mickel & Beitel]
Source of report: specimen; expected in BCS.
Specimens identified as this from the SLL of BCS are likely mis-IDs of *N. lemmonii* var. *lemmonii*.

*Notholaena schaffneri* (E. Fourn.) Underw. ex Davenp.
[Cheilanthes potosina Mickel]
Source of report: specimen; expected in BCS.
Specimens identified as this or *Cheilanthes potosina* from BCS are likely mis-IDs of *Myriopteris newberryi*.

*Pellaea intermedia* Mett. ex Kuhn
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this are likely mis-IDs of *P. ternifolia*.

**Thelypteridaceae**

*Thelypteris cheilanthoides* (Kunze) Proctor
Source of report: specimen; expected in BCS.
Specimens identified as this from the SLL of BCS are likely mis-IDs and need to be verified.

**Woodsiaceae**

*Woodsiella oregana* D.C. Eaton
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Angiosperms: Magnoliids-Laurales**

**Lauraceae**

*Umbellularia californica* (Hook. & Arn.) Nutt.
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found.

**Angiosperms: Eudicots**

**Acanthaceae**

*Carlowrightia linearifolia* (Torr.) A. Gray
Source of report: WIGG; expected in BC.
Specimens from BCS identified as this are likely mis-IDs of *C. pectinata*.

**Amaranthaceae**

*Gomphrena caespitosa* Torr.
[In Wiggins as Cupressus arizonica Greene var. *stephensonii* (C.B. Wolf) Little; also Cupressus stephensonii C.B. Wolf, Callitropsis stephensonii (C.B. Wolf) D.P. Little]
Source of report: WIGG; expected in BC.
Reported for the vicinity of Santa Catarina in the SJ of nw BC, but this population has been determined to be *H. revealiana*.

*Juniperus osteosperma* (Torr.) Little
[Juniperus tetragona Moench var. *osteosperma* Torr.]
Source of report: specimen; expected in BCS.
Specimen at MO identified as this from “San Felipe” in BCS is likely a mis-ID & a bad locality & needs to be verified.

*Pinus edulis* Engelm.
Source of report: WIGG; expected in BC.
Reported for the SJ & SSPM in n BC, but no specimens found.

*Pinus ponderosa* Doug. ex Lawson & C. Lawson
Source of report: WIGG; expected in BC.
Reported for the SJ & SSPM in n BC, but no specimens found.

*Pinus radiata* D. Don var. *radiata*
Source of report: WIGG; expected in BC.
Reported as introduced near the Pacific coast as far south as San Quintín, but no naturalized populations have been found.

**Gnetales**

**Ephedraceae**

*Ephedra pedunculata* S. Watson
Source of report: specimen; expected in BC.
Specimens at MO collected from Cedros Island identified as this are likely mis-IDs of *E. aspera* which is known from this island.

**Nymphaeales**

**Nymphaeaceae**

*Nymphaea elegans* Hook.
Source of report: specimen; expected in BCS.
Reported as Lenz in 1986 (photographs) RSA, Boca de la Sierra, 20 July 1986, but no specimens found.

*Coniferae*

**Pinaceae**

*Pinus edulis* Engelm.
Source of report: WIGG; expected in BC.
Reported for the SJ & SSPM in n BC, but no specimens found.

*Pinus ponderosa* Doug. ex Lawson & C. Lawson
Source of report: WIGG; expected in BC.
Reported for the SJ & SSPM in n BC, but no specimens found.

*Pinus radiata* D. Don var. *radiata*
Source of report: WIGG; expected in BC.
Reported as introduced near the Pacific coast as far south as San Quintín, but no naturalized populations have been found.
Anacardiaceae

Rhus aromatica Aiton var. aromatica
Source of report: CFP list; expected in BC.
The specimens recognized as var. trilobata in western North America are sometimes lumped into an expanded var. aromatica that includes the taxon in eastern North America.

Rhus microphylla Engelm.
Source of report: WIGG; expected in BC, BCS.
Reported for the w VD region & Cedros Island, but no specimens found.

Spondias mombin L.
Source of report: LENC; expected in BCS.
Reported to be around abandoned ranches in the Cape region, but no naturalized specimens found.

Apiaceae

Lomatium dissectum (Nutt.) Mathias & Constance var. multifidum (Nutt.) Mathias & Constance
Source of report: Jepson 2; expected in BC.
Reported for BC, but no specimens found.

Perideridia gairdneri (Hook. & Arn.) Mathias
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this species are likely mis-IDs of Ammi majus.

Apocynaceae

Asclepias subaphylla Woodson
Source of report: specimen; expected in BCS.
Specimens from the SLL of BCS identified as this species are likely mis-IDs of A. subulata.

Cynanchum kunthii (Decne.) Standl.
Source of report: JLLL; expected in BCS.
Reported for the Cape region of BCS, but no specimens found.

*Tabernaemontana litoralis* Kunth
[In Wiggins as Stemmadenia insignis Miers; also Stemmadenia galeottiana (A. Rich.) Miers]
Source of report: WIGG, LENZ; expected in BCS.
Reported as sparingly escaping from plantings in the Cape region, but no specimens found.

*A* Vinca major L.
Source of report: LENZ; expected in BCS.
Reported as a white flower form that was planted near San José del Cabo, but no naturalized specimens found.

Araliaceae

Aralia californica S. Watson
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Asteraceae

Acoutria humboldtii (Less.) B.L. Turner
Source of report: specimen; expected in BCS.
Specimens at MO collected from the SLL of BCS & identified as this are likely mis-IDs of A. pinetorum.

Agoseris retrorsa (Benth.) Greene
Source of report: Jepson 2; expected in BC.
Reported for BC, but no specimens found.

Aldama montana (Rose) Schill. & Panero
Source of report: literature; expected in BC.
Shown on a map in recent treatment by Turner (2015), but the text does not include BC specimens so it seems to be erroneous mapping.

Artemisia dracunculus L. var. glauca (Willd.) H.M. Hall & Clem.
[Artemisia dracunculoides Pursh var. glauca (Willd.) Munz]
Source of report: specimen; expected in BC.
Specimens from nw BC deposited at MO and identified as this are likely mis-IDs of var. dracunculus and need to be verified.

Artemisia tridentata Nutt. subsp. parishii (A. Gray) H.M. Hall & Clem.
Source of report: specimen; expected in BC.
Specimens collected in n BC have glandular achenes but recent taxonomic treatments differ in what to call the subspecies.

Atrichoseris platyphylla A. Gray
Source of report: WIGG, Jepson 2; expected in BC.
Reported for ne BC, but no specimens found.

Bidens cordylocarpa (A. Gray) Crawford
[Coreopsis cordylocarpa A. Gray]
Source of report: specimen; expected in BC.
Specimen deposited at MO and collected at Mike’s Sky Ranch in SSPM of n BC, but likely a mis-ID.

Centromadia pungens (Hook. & Arn.) Greene subsp. laevis (D.D. Keck) B.G. Baldwin
[In Wiggins as Hemizonia laevis (D.D. Keck) D.D. Keck; also Hemizonia pungens (Hook. & Arn.) Torr. & A. Gray subsp. laevis D.D. Keck]
Source of report: WIGG, Jepson 2; expected in BC.
Reported for n SJ, but no specimens found.

*Chichorium intybus* L.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Cirsium mohavense (Greene) Petr.
Source of report: WIGG; expected in BC.
Reported for the eastern slopes of SJ in n BC, but no specimens found.

Cirsium scariosum Nutt. var. citrinum (Petr.) D.J. Keil
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Coreocarpus sanpedroensis E.B. Smith
[In Wiggins as Coreocarpus arizonicus A. Gray var. filiformis (Greenm.) S.F. Blake misappl.; also Coreocarpus arizonicus A. Gray var. sanpedroensis (E.B. Smith) B.L. Turner]
Source of report: WIGG; expected in BC.
Reported as C. arizonicus var. filiformis on San Pedro Nolasco Island but misappl. to C. sanpedroensis endemic to this Sonoran island.

Cosmos diversifolius Otto
Source of report: specimen; expected in BCS.
Specimens from the SLL of BCS identified as this are likely mis-IDs of C. parviflorus.

**Cosmos sulphureus** Cav.
Source of report: literature; expected in BCS.
Reported for BCS by Vargas-Amado et al. (2013), but no specimens found.

*Dimorphotheca ecklonis* DC.
[Osteospermum ecklonis (DC.) Norl.]
Source of report: CFP list; expected in BC.
Documented as ornamental plantings, but no naturalized occurrences known yet in nw BC.

*Dimorphotheca fruticosa* (L.) DC.
[Osteospermum fruticosum (L.) Norl.]
Source of report: CFP list; expected in BC.
Documented as ornamental plantings, but no naturalized occurrences known yet in nw BC.

**Eriophyllum ambiguum** (A. Gray) A. Gray
Source of report: WIGG; expected in BC.
Reported for n BC between SJ & Mexicali, but no specimens found.

**Eriophyllum pringlei** A. Gray
Source of report: WIGG, Jepson 2; expected in BC.
Reported for extreme ne BC near Colorado River, but no specimens found.

**Gutierrezia arizonica** (A. Gray) M.A. Lane
[In Wiggins as Greenella arizonica A. Gray]
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found.

**Heterotheca sessiliflora** (Nutt.) Shinners subsp. *echioides* (Benth.) Semple
[In Wiggins as Chrysopsis villosa (Pursh) Nutt. var. echioides (Benth.) A. Gray]
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found.

**Heterotheca villosa** (Pursh) Shinners var. *minor* (Hook.) Semple
[In Wiggins as Chrysopsis villosa (Pursh) Nutt. var. hispida (Hook.) A. Gray ex DC.]
Source of report: WIGG; expected in BC.
Reported for SJ, but no specimens found.

**Hieracium albiflorum** Hook.
Source of report: WIGG; expected in BC.
Reported for SSPM, but no specimens found.

**Hieracium argutum** Nutt.
Source of report: Jepson 2; expected in BC.
Reported for n BC, but no specimens found; may be confused with *H. bolanderi*.

**Holocarpha virgata** (A. Gray) D.D. Keck subsp. *elongata* D.D. Keck
Source of report: WIGG; expected in BC.

Reported for n BC, but no specimens found.

*Hypochaeris radicata* L.
[Neojeffreya decurrens (L.) Cabrera]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Isocoma acradenia** (Greene) Greene var. *acradenia*
[Isocoma veneta (Kunth) Greene var. acradenia (Greene) Hall, Haplopappus acradenius (Greene) S.F. Blake]
Source of report: specimen; expected in BCS.
Specimens annotated as this from BCS are likely mis-IDs of I. menziesii var. menziesii.

**Isocoma acradenia** (Greene) Greene var. *bracteosa* (Greene) G.L. Nesom
[Haplopappus acradenius (Greene) S.F. Blake subsp. bracteosus (Greene) Hall, Haplopappus acradenius var. bracteosus (Greene) McMinn]
Source of report: specimen; expected in BC.
Specimens annotated as this from BC are likely mis-IDs of I. acradenia var. eremophila.

**Lasthenia glaberrima** DC.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Lasthenia microglossa** (DC.) Greene
Source of report: WIGG; expected in BC.
Specimens identified as this from nw BC are likely mis-IDs of *L. gracilis*.

**Lessingia glandulifera** A. Gray var. *tomentosa* (Greene) Ferris
Source of report: WIGG; expected in BC.
Reported for desert slopes of SJ, but no specimens found.

**Monoptilon bellidiforme** Torr. & A. Gray
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Neojeffreya decurrens* (L.) Cabrera
[Neojeffreya decurrens (L.) Cabrera]
Source of report: specimen; expected in BCS.
A specimen collected by Jones (27721) in the SLL of BCS identified as this and deposited at MO is likely a mis-ID and needs to be verified.

**Packera ganderi** (T.M. Barkley & R.M. Beauch.) W.A. Weber & A. Love
[Senecio ganderi T.M. Barkley & R.M. Beauch.]
Source of report: CFP list; expected in BC.
Reported for extreme n BC, but no specimens found.

**Palafoxia arida** B.L. Turner & M.I. Morris var. *gigantea* (M.E. Jones) B.L. Turner & M.I. Morris
Source of report: WIGG; expected in BC.
Reported for sand dunes in extreme ne BC, but no specimens found.

**Pectis angustifolia** Torr.
[Neojeffreya decurrens (L.) Cabrera]
Source of report: specimen; expected in BC.
Specimen identified as this collected near Punta Prieta in s BC is likely a mis-ID and needs to be verified.
**Perityle leptoglossa** Harv. & A. Gray  
Source of report: specimen; expected in BCS.  
Specimens from our region identified as this are mid-IDs of *Amauria rotundifolia*.

**Perityle microglossa** Benth. var. *saxosa* (Brandegee) Powell  
[Perityle saxosa Brandegee]  
Source of report: specimen; expected in BCS.  
Specimens from BCS identified as this are likely mis-IDs and need to be verified.

**Psilocarphus oreganus** Nutt.  
Source of report: WIGG; expected in BC.  
Reported for region between Tijuana & Ensenada in nw BC, but no specimens found.

**Simsia ovata** (A. Gray) E.E. Schill. & Panero  
[Gymnolomia ovata A. Gray, Viguiera ovata (A. Gray) S.F. Blake]  
Source of report: JLLL; expected in BCS.  
Reported for SLL of BCS, but no specimens found.

**Solidago elongata** Nutt.  
[In Wiggins as Solidago canadensis L. subsp. elongata (Nutt.) D.D. Keck]  
Source of report: WIGG; expected in BC.  
Reported for n BC, but no specimens found.

**Stevia ovata** Willd.  
[Stevia paniculata Lag.]  
Source of report: specimen; expected in BCS.  
Specimens identified as this from BCS are likely mis-IDs of *S. origanoides*.

**Syntrichopappus fremontii** A. Gray  
Source of report: Jepson 2; expected in BC.  
Reported for n BC, but no specimens found; could be easily confused with *Eriophyllum wallacei*.

**Tithonia rotundifolia** (Miller) S.F. Blake  
Source of report: specimen; expected in BCS.  
Specimens identified as this from the vicinity of La Paz in BCS are likely mis-IDs of *T. diversifolia* that is a perennial with longer ray flowers.

**Tragopogon dubius** Scop.  
Source of report: CFP list; expected in BC.  
Reported for SJ & nw coastal slopes of BC, but no specimens found.

**Tragopogon porrifolius** L.  
Source of report: WIGG; expected in BC.  
Reported for n BC, but no specimens found.

**Unxia camphorata** L.f.  
[Melampodium camphoratum (L.f.) Baker]  
Source of report: specimen; expected in BCS.  
Specimen from BCS identified as *Melampodium camphoratum* is likely a mis-ID for *M. cupulatum*.

**Verbesina encelioides** (Cav.) A. Gray var. *exauriculata* (B.L. Rob. & Greenm.) J.R. Coleman  
Source of report: CFP list; expected in BC.  
Reported for BC, but no specimens found.

**Xylorhiza orcuttii** (Vasey & Rose) Greene  
[In Wiggins as *Machaeranthera orcuttii* (Vasey & J.N. Rose) Cronq. & D.D. Keck]  
Source of report: WIGG; expected in BC.  
Reported for desert slopes of SJ, but no specimens found.

### Berberidaceae

**Berberis aquifolium** Pursh var. *aquifolium*  
[In Wiggins as *Berberis piperiana* (Abrams) McMinn]  
Source of report: WIGG; expected in BC.  
Reported for n BC, but no specimens found.

**Berberis moranensis** Schultz. & Schultz.f.  
Source of report: specimen; expected in BC.  
A specimen (Wiggins 3995) collected from near Ensenada, deposited at MO, & identified as this species from central Mexico is a mis-ID since the duplicate specimen at SD is *B. pinnata* ssp. pinnata.

### Betulaceae

**Alnus incana** (L.) Moench subsp. *tenuifolia* (Nutt.) Breitung  
[In Wiggins as *Alnus tenuifolia* Nutt.]  
Source of report: WIGG; expected in BC.  
Reported for BC, but no specimens found.

**Alnus rhombifolia** Nutt.  
Source of report: WIGG; expected in BC.  
Reported for n BC, but no specimens found.

### Bignoniaceae

**Spathodea campanulata** Beauv.  
Source of report: LNZ; expected in BCS.  
Reported for the Cape region of BCS as a commonly planted ornamental tree, but no naturalized populations known.

### Bixaceae

**Cochlospermum vitifolium** (Willd.) Spreng.  
Source of report: LNZ; expected in BCS.  
Reported & putatively observed on the western side of the SLL in BCS by D. Breedlove (fide RF Thorne).

### Boraginaceae

**Cryptantha flaccida** (Lehm.) Greene  
Source of report: specimen; expected in BCS.  
Specimens from BCS identified as this are likely mis-IDs of *Johnstonella grayi* or *J. echinosepala*.

**Cryptantha nevadensis** A. Nelson & P.B. Kenn. var. nevadensis  
Source of report: WIGG; expected in BC.  
Reported for desert slopes of SJ & LCD of ne BC, but no specimens found.
Heliotropium convolvulaceum (Nutt.) A. Gray var. californicum (Greene) I.M. Johnst.
[In Wiggins as Euploca convolvulacea Nutt. subsp. californica (Greene) Abrams]
Source of report: WIGG; expected in BC.
Reported for Colorado River delta region in extreme ne BC, but no specimens found.

Nama pusilla A. Gray
Source of report: specimen; expected in BC.
Specimens from BC identified as this are currently recognized as N. aff. depressa because they have leaves of N. d., but sepals similar to N. p.

Nemophila menziesii Hook. & Arn. subsp. menziesii
Source of report: WIGG; expected in BC.
Reported for n BC in the SJ, but no specimens found.

Phacelia fremontii Torr.
Source of report: WIGG; expected in BC.
Reported for n BC in the SJ, but no specimens found. Note that specimens identified as this from the CD region are likely mis-IDs of P. distans.

Phacelia minor (Harv.) Thell.
Source of report: Jepson 2; expected in BC.
Reported for Baja Ca, but no specimens found.

Plagiobothrys arizonicus (A. Gray) A. Gray
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Brassicaceae
*Cakile edentula* (Bigelow) Hook.
[In Wiggins as Cakile edentula subsp. californica (A. Heller) Hultén]
Source of report: WIGG; expected in BC.
Reported for sandy slopes & flats in nw BC, but no specimens found.

Caulanthus hallii Payson
Source of report: WIGG, Jepson 2; expected in BC.
Reported for n BC, but no specimens found.

Caulanthus simulans Payson
Source of report: WIGG; expected in BC.
Reported for SJ in n BC, but no specimens found.

Descurainia incana (Fisch. & C.A. Mey.) Dorn
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found. This species name has been misappl. to various other species in our area.

Descurainia incisa (Engelm. ex A. Gray) Britton subsp. incisa
[In Wiggins as Descurainia richardsonii (Sweet) O.E. Schulz subsp. incisa (Engelm. ex A. Gray) Del.; also Descurainia richardsonii (Sweet) O.E. Schulz subsp. viscosa (Ryd.) Del.]
Source of report: WIGG; expected in BC.
Reported for SJ to c BC, but no specimens found.

Dimorphocarpa wislizenii (Engelm.) Rollins
[In Wiggins as Dithyrea wislizenii Engelm.]
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

*Diplotaxis muralis* (L.) DC.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Diplotaxis tenuifolia* (L.) DC.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Lepidium lasiocarpum Nutt. ex Torr. & A. Gray var. tenuipes S. Watson
[Lepidium tenuipes nom. nud.]
Source of report: LENS; expected in BCS.
Specimens identified as this need to be verified and appear to be L. lasiocarpum var. latifolium.

*Lepidium latifolium* L.
Source of report: specimen; expected in BC.
Specimens identified as this from BCS are likely mis-IDs, but this invasive, non-native species could be expected in nw BC.

Lepidium montanum Nutt.
[In Wiggins as Lepidium montanum subsp. canescens (Thell.) C.L. Hitchc.]
Source of report: WIGG; expected in BC.
Reported for the SSPM of n BC, but no specimens found.

*Lepidium ruderale* L.
[Lepidium texanum Buckley]
Source of report: specimen; expected in BC.
Specimens identified as this from the SSPM of n BC are likely L. ramosissimum.

Nasturtium gambelii (S. Watson) O.E. Schultz
[Rorippa gambelii (S. Watson) Rollins & Al-Shehbaz]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Stanleya pinnata (Pursh) Britton
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Streptanthus bernardinus (Greene) Parish
Source of report: WIGG, Jepson 2, FNA; expected in BC.
Reported for the SJ and SSPM of n BC, but no specimens found.

Thysanocarpus desertorum A. Heller
[In Wiggins as Thysanocarpus laciniatus Nutt. var. desertorum (A. Heller) Abrams]
Source of report: WIGG; expected in BC.
Reported for eastern slopes of SJ & adjacent desert, but no specimens found.

Cactaceae
*Brasiliopuntia brasiliensis* (Willd.) A. Berger
[Opuntia brasiliensis (Willd.) Haw.]
Source of report: specimen; expected in BCS.
Specimens from Danzante Island in the Gulf identified as this South America species are likely mis-IDs.
Cylindropuntia acanthocarpa (Engelm. & J.M. Bigelow) F.M. Knuth
[In Wiggins as Opuntia acanthocarpa Engelm. & J.M. Bigelow]
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found. Specimens identified as this species in our region are likely mis-IDs of C. ganderi.

Cylindropuntia leptocaulis (DC.) F.M. Knuth
[Opuntia leptocaulis DC.]
Source of report: specimen; expected in BCS.
Specimens identified as this are likely mis-IDs of C. lindsayi.

Echinocactus polycephalus Engelm. & J.M. Bigelow var. polycephalus
Source of report: WIGG; expected in BC.
Reported for “lower slopes of SJ to near San Quintín” in n BC, but no specimens found.

Echinocereus mohavensis (Engelm. & J.M. Bigelow) Rümpler
Source of report: WIGG; expected in BCS.
Reported for n BC, but no specimens found.

Mammillaria radiaissima (G.E. Linds. in R.T. Craig)
Source of report: WIGG; expected in BC.
The type for this species is supposedly from the vicinity of Puerto Escondido s of Loreto in e BCS, but was described from a specimen grown in a garden and most modern authors lump this name as a synonym of Mammillaria baumii Boed. It is unclear if the garden type got mixed up with plants from the Mexican state of Tamaulipas or if this is a good taxon from BCS. More taxonomic work is needed.

Mammillaria verhaertiana (Jacq.) Sarg.
[Chilita verhaertiana (Boed.) Orcutt, Mammillaria dioica K. Brandegee forma verhaertiana (Boed.) Neutel.]
Source of report: WIGG; expected in BCS.
Reported for SJ & n SSPM in nw BC, but no specimens found.

Opuntia basilaris Englem. & J.M. Bigelow var. basilaris
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found. This is expected to occur on the lower northeastern slopes of the SJ, but no populations have been found yet.

Opuntia megacarpa Griffiths
[Opuntia occidentalis Engelm. & Bigelow var. megacarpa (Griffiths) Munz]
Source of report: WIGG; expected in BC.
Reported for nw BC in the n SJ, but no specimens found.

Opuntia pusilla (Haw.) Haw.
Source of report: Opuntioideae Checklist; expected in BCS.
Reported for BCS, but no specimens found.

Opuntia ×vaseyi (J.M. Coult.) Britton & Rose
Source of report: CFP list; expected in BC.
Reported for nw BC, but no specimens found.

Campanulaceae

Githopsis diffusa A. Gray subsp. filicaulis (Ewan) Morin
[In Wiggins as Githopsis filicaulis Ewan]
Source of report: WIGG; expected in BC.
Reported for SJ & n SSPM in nw BC, but no specimens found.

Lobelia dunnii Greene var. serrata (A. Gray) McVaugh
Source of report: WIGG, Jepson 2; expected in BC.
Reported for n SJ, but no specimens found.

Cannabinaceae

Celtis iguanaea (Jacq.) Sarg.
Source of report: WIGG; expected in BCS.
Reported for BCS, but no specimens found.

Caryophyllaceae

Drymaria laxiflora Benth.
Source of report: specimen; expected in BCS.
All specimens previously identified as this from BCS are mis-IDs of D. debilis.

Drymaria fasciculata A. Gray
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are most likely mis-IDs of D. gracilis subsp. carinatus.

Drymaria gracilis Cham. & Schltdl. subsp. gracilis
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are most likely mis-IDs of D. gracilis subsp. carinatus.

Drymaria paniculata L.
Source of report: specimen; expected in BC.
Reported for nw BC but specimen was ex hort. & no naturalized populations are known.

Silene bernardina S. Watson
Source of report: Jepson 2; expected in BC.
Reported for n BC, but no specimens found.

Silene laciniata Cav. subsp. californica (Durand) J.K. Morton
[Silene californica Durand]
Source of report: Jepson 2; expected in BC.
Reported for BC, but no specimens found.

Celastraceae

Canotia holacantha Torr.
Source of report: specimen; expected in BCS.
Specimen collected by Gentry (4058) and deposited at MO identified as this species from San Bruno in ne BCS is likely a mis-ID of Castela polyandra (Simaroubaceae).

Euonymus occidentalis Nutt. ex Torr. var. parishii (Trel.) Jeps.
Source of report: CFP list; expected in BC.
Reported for BC, but no specimens found.
Chenopodiaceae

*Chenopodium desiccatum* A. Nelson

Source of report: specimen; expected in BC.

Specimens identified as this from the SSPM are likely mis-IDs of *C. leptophyllum* or an undescribed taxon.

*C. giganteum* L.

Source of report: specimen; expected in BC.

Specimens identified as this from the Tijuana area are likely mis-IDs of *C. album*.

*C. hians* Standl.

Source of report: specimen; expected in BC.

Specimens originally annotated as this from the SSPM are now considered to be *C. leptophyllum*.

*C. littoreum* Benet-Pierce & M.G. Simpson

Source of report: specimen; expected in BC.

Specimens originally annotated as this from the SSPM are now considered to be *C. leptophyllum*.

*C. patula* A. Gray

Source of report: specimen; expected in BC.

Specimens identified as this from the SSPM are likely mis-IDs of *A. prostrata*.

*C. patula* subsp. hastata (L.) H.M. Hall & Clem.

Source of report: specimen; expected in BC.

Monolepis spathulata A. Gray

Source of report: specimen; expected in BC.

Specimens identified as this from the SSPM are likely mis-IDs of *C. leptophyllum* or an undescribed taxon.

*Salsola paulsenii* Litv.

Source of report: specimen; expected in BC.

Reported for BC, but no specimens found.

*Suaeda calceoliformis* (Hook.) Moq.

Source of report: CFP list; expected in BC.

Reported for n BC, but no specimens found.

Cleomaceae

*Wislizenia refracta* Engelm. subsp. *refracta*

Source of report: WIGG; expected in BC, BCS.

Reported for e BC & BCS from Colorado River south to La Paz, but no specimens found.

Convolvulaceae

*Calystegia occidentalis* (A. Gray) Brummitt subsp. *fulcrata* (A. Gray) Brummitt

Source of report: specimen; expected in BC.

Specimens at MO from a coastal area north of Ensenada identified as this higher elevation taxon from CA are likely mis-IDs of *C. macrostegia*.

*Calystegia soldanella* (L.) R. Br.

In Wiggins as *Convolvulus soldanella* L.

Source of report: WIGG; expected in BC.

Reported for coast north of Ensenada in nw BC, but no specimens found.

*Cuscuta californica* Hook. & Arn. var. *apiculata* Engelm.

Source of report: WIGG, Jepson 2; expected in BC.

Reported for extreme ne BC near Colorado River delta, but no specimens found.

*C. denticulata* Engelm.

Source of report: specimen; expected in BC.

Reported for ne BC, but no specimens found.

*C. obtusiflora* Kunth var. *glandulosa* Engelm.

Source of report: specimen; expected in BC.

Reported by M. Costea (pers. com.), but no specimens found.

Ipomoea coccinea L. var. *coccinea*

In Wiggins as *Quamoclit coccinea* (L.) Moench var. *coccinea*

Source of report: WIGG, LENZ; expected in BC, BCS.

Reported for San Matías Pass to Cape region, but this name was likely misapplied to specimens of *I. cristulata*.

Ipomoea pubescens Lam.

Source of report: specimen; expected in BC.

Specimen at MO collected on San Benitos islands determined as this species is likely a mis-ID.

Jacquemontia pringlei A. Gray

Source of report: specimen; expected in BCS.

Specimens from the Cape region identified as this are likely mis-IDs and need to be verified.

Cornaceae

*Coronaria nuttallii* Audubon

Source of report: CFP list; expected in BC.

Reported for n BC, but no specimens found.

Crassulaceae

*Dudleya brevifolia* (Moran) Moran

In Wiggins as *Dudleya blochmaniae* (Eastw.) Moran subsp. *brevifolia* Moran

Source of report: WIGG; expected in BC.
Reported for sandy & rocky coastal mesas in extreme nw BC, but no specimens found.

*Dudleya saxosa* (M.E. Jones) Britton & Rose subsp. *aloides*  
(Rose) Moran  
[Dudleya aloides Rose]  
Source of report: WIGG; expected in BC.  
Reported for the n SJ in extreme n BC, but no specimens found.

**Cucurbitaceae**

*Echinopepon torquatus* (DC.) J.N. Rose  
[Echinopepon quinquelobatus Naudin]  
Source of report: specimen; expected in BCS.  
This high elevation species is reported in Monro & Stafford 1998 based on Barclay 3107 collected at the Pacific coast and is likely a mis-ID of *E. minimus*.

**Cytinaceae**

*Bdallophytum americanum* (R. Br.) Eichler ex Solms  
[In Wiggins as *Bdallophyton* (misspell.) americanum]  
Source of report: WIGG; expected in BC.  
Reported for the SSPM of n BC, but no specimens found.

**Ericaceae**

*Arbutus menziesii* Pursh  
Source of report: WIGG, Jepson 2; expected in BC.  
Reported for n BC, but no specimens found.

*Arbutus xalapensis* Kunth  
Source of report: specimen; expected in BCS.  
Specimens identified as this from the SLL of BCS are likely mis-IDs of *A. pensilnaris*.

*Arctostaphylos sp.*  
Source of report: CFP list; expected in BC.  
Reported from Guadalupe Island and likely a new taxon, but specimens cannot be found.

*Chinaphila menziesii* (D. Don) Spreng.  
Source of report: WIGG; expected in BC.  
Reported for n BC, but no specimens found.

*Comarostaphylis diversifolia* (Parry) Greene subsp. *diversifolia*  
Source of report: Jepson 2; expected in BC.  
Reported for nw BC, but no specimens found.

*Rhododendron occidentale* (Torr. & A. Gray) A. Gray  
Source of report: CFP list; expected in BC.  
Reported for n BC, but no specimens found.

**Euphorbiaceae**

*Acalypha leptopoda* Müll.Arg.  
[As *Acalpyha unibracteata* Müll.Arg.]  
Source of report: JLLL; expected in BCS.  
Reported for BCS, but no specimens found.

*Cnidoscolus angustidens* Torr.  
Source of report: WIGG; expected in BCS.  
Reported for BCS, but no specimens found & reports may be based on *C. maculatus*.

*Croton wigginsii* L.C. Wheeler  
Source of report: WIGG; expected in BC.  
Reported for ne BC, but no specimens found.

* Ditaxis serrata* (Torr.) A. Heller var. *californica* (Brandegee) V.W. Stein. & Felger  
Source of report: WIGG; expected in BC.  
Reported for eastern flanks of the SJ, but no specimens found.

*Euphorbia bahiensis* Klotzsch & Garke  
[Chamaesyce bahiensis (Klotzsch & Garke) Durand & D.G. Burch]  
Source of report: specimen; expected in BCS.  
A specimen identified as this at MO is likely a mis-ID; possibly for *E. apicata*.

*Euphorbia glyptosperma* Engelm.  
[Chamaesyce glyptosperma (Engelm.) Small]  
Source of report: specimen; expected in BCS.  
A specimen identified as this from BCS are likely mis-IDs.

*Euphorbia parishii* Greene  
[Chamaesyce parishii (Greene) Millsp.]  
Source of report: specimen; expected in BC.  
Specimens identified as this from BCS are likely mis-IDs.

*Euphorbia pediculifera* Engelm. var. *linearifolia* S. Watson  
Source of report: WIGG; expected in BCS.  
Reported for Cape region, but no specimens found.

*Euphorbia schlechtendalii* Boiss.  
Source of report: specimen; expected in BC.  
Specimens identified as this from “Northern Lower California” deposited at MO are likely mis-IDs because this species is native to central & southern Mexico.

*Jatropha cardiophylla* (Torr.) Müll.Arg.  
Source of report: specimen; expected in BCS.  
Specimens identified as this species in BCS are likely *J. cinerea*.

Source of report: specimen; expected in BCS.  
Specimens identified as this species in BCS are likely mis-IDs of *J. verrucosa*.

*Jatropha dioica* Sessé  
Source of report: specimen; expected in BCS.  
Specimens identified as this species in BCS are likely *J. cuneata*.

*Jatropha purpurea* Rose  
Source of report: WIGG; expected in BCS.  
Reported for BCS, but no specimens found & reports may be based on *J. moranii*.

*Jatropha vellanowethii* Dehgan & Lenz in ed  
Source of report: Lenz; expected in BCS.  
Reported in Lenz as a species ined. and endemic to the Cape region, but apparently not published.

**Fabaceae**

*Senegalia occidentalis* (Rose) Britton & Rose  
[In Wiggins as *Acacia occidentalis* Rose]  
Source of report: WIGG; expected in BCS.
Reported for BCS in Bahía Escondido region, but no specimen found.

**Acaciella angustissima** (Mill.) Britton & Rose
[Acacia angustissima (Mill.) Kuntze]
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are likely mis-IDs of *A. goldmanii*.

**Acmispon greenei** Ottley ex Kearney & Peebles
[Lotus greenei Ottley]
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are likely mis-IDs of *A. oroiboides var. ramulosus*.

**Acmispon parviflorus** (Benth.) D.D. Sokoloff
[Lotus micranthus Benth]
Source of report: specimen; expected in BC.
Specimens identified as this are mis-IDs of *A. prostratus & A. maritimus var. brevivexillus*.

**Acmispon procumbens** (Greene) Brouillet
[Lotus procumbens (Greene) Greene]
Source of report: specimen; expected in BC.
Specimens identified as this are likely mis-IDs of *A. glaber var. brevialatus*.

**Acmispon dendroideus** (Greene) Brouillet var. *traskiae* (R. Noddin) Brouillet
[Lotus dendroideus (Greene) Greene var. traskiae (R. Noddin) Isely]
Source of report: specimen; expected in BC.
Specimens identified as this as likely mis-IDs of *A. watsonii*.

*Albizia lebbeck* (L.) Benth.
Source of report: WIGG; expected in BCS.
This non-native species is commonly planted as a street tree in BCS, but it is not known to naturalize in our region.

*Alhagi maurorum* Medik.
[In Wiggins as *Alhagi camelorum* Fisch.]
Source of report: WIGG; expected in BC.
This non-native species was reported for ne BC, but no specimens found.

**Astragalus aridus** A. Gray
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

**Astragalus asymmetricus** E. Sheld.
Source of report: specimen; expected in BC.
This species occurs in CA and is not known from BC. Specimens previously identified as this are likely *A. trichopodus var. lonchus*.

*Astragalus austriacus* Jacq.
Source of report: specimen; expected in BC.
This non-native species is documented with a specimen from San Augustin deposited at MO, but this is likely a mis-ID.

**Astragalus crotalariae** (Benth.) Torr.
Source of report: WIGG, Jepson 2; expected in BC.
Reported for Baja California, but no specimens found. It might be expected in ne BC.

**Astragalus deanei** (Rydberg) Barneby
Source of report: CFP list; expected in BC.
Reported for extreme nw BC, but no specimens found.

**Astragalus lentiginosus** Douglas
Source of report: specimen; expected in BC.
This species occurs in CA and the specimen from San Quintín deposited at MO is likely a mis-ID of one of the BC endemic species.

**Astragalus lentiginosus** Douglas var. *borreganus* M.E. Jones
Source of report: WIGG; expected in BC.
Reported for extreme ne BC, but no specimens found.

**Astragalus magdalenae** Greene var. *peirsonii* (Munz & McBurney) Barneby
Source of report: WIGG; expected in BC.
Reported for extreme ne BC, but no specimens found.

**Astragalus sabulonum** A. Gray
Source of report: specimen; expected in BCS.
Reported for BCS as a cultivated shade tree, but no naturalized specimens known.

**Caesalpinia mexicana** A. Gray
Source of report: specimen; expected in BCS.
Specimens identified as this species in BCS are likely mis-IDs of *C. californica*.

**Chamaecrista pilosa** (L.) Greene
[Chamaecrista nictitans var. pilosa (Benth.) Irwin & Barneby]
Source of report: specimen; expected in BC.
Specimens identified as this are likely mis-IDs of *C. nictitans var. mensalis*.

**Crotalaria cajanifolia** Kunth
[In Wiggins as *Crotalaria eriocarpa* Benth.]
Source of report: WIGG; expected in BC, BCS.
Reported as scattered the length of the peninsula, but no specimens found.

**Dalea neomexicana** (A. Gray) Cory var. *neomexicana*
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

**Dalea pringlei** A. Gray var. *pringlei*
Source of report: specimen; expected in BCS.
Specimens from n BCS identified as this are likely mis-IDs of *D. purpussii*.

**Desmanthus pumilus** (Schltdl.) Macbride
Source of report: specimen; expected in BCS.
Specimens identified as this species from the Cape region are likely mis-IDs of *D. bicornutus*.

**Desmodium hookerianum** D. Dietr.
Source of report: specimen; expected in BCS.
Specimens identified as this species from BCS are likely mis-IDs of *D. procumbens* or *P. neomexicanum*.

**Diphysa racemosa** Rose
Source of report: specimen; expected in BCS.
Specimens from BCS of this highly variable genus do not always fit well to *D. occidentalis* and may approach this species in morphology. More specimens and taxonomic work are needed.

**Galactia brachystachys** Benth.
Source of report: specimen; expected in BCS.
Specimens identified as this from the Cape region of BCS are likely mis-IDs of *G. acapulcensis*.

**Galactia wrightii** A. Gray
[Galactia tephrades A. Gray]
Source of report: specimen; expected in BCS.
Specimens identified as this from the SLL of BCS are likely mis-IDs of *G. acapulcensis*.

**Haematoxylum campechianum** L.
Source of report: specimen; expected in BCS.
Specimens identified as this species are likely mis-IDs of *H. brasiletto*.

**Lathyrus palustris** L.
Source of report: specimen; expected in BC.
Specimens identified as this species are likely mis-IDs of one of the vars. of *Lathyrus vestitus*.

**Leucaena retusa** Benth.
Source of report: specimen; expected in BCS.
Specimens identified as this species are likely mis-IDs of *Leucaena lanceolata*.

**Lonchocarpus guatemalensis** Benth.
Source of report: specimen; expected in BCS.
Specimens identified as this species are likely mis-IDs of *Coursertia glandulosa*.

**Marina palmeri** (Rose) Barneby
Source of report: specimen; expected in BCS.
Specimens from the Cape region identified as this are likely mis-IDs of *Marina interstes*.

**Mimosa dysocarpa** Benth.
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this species are likely mis-IDs of *M. tricephala var. xanti*.

**Mimosa rosei** B.L. Rob.
Source of report: specimen; expected in BCS.
Specimens from the Cape region identified as this species are likely mis-IDs of *M. distachya var. distachya*.

**Nissolia schottii** (Torr.) A. Gray
Source of report: specimen; expected in BCS.
Reported for BCS, but no specimens found.

**Psorothamnus arborescens** (A. Gray) Barneby var. *simplicifolius* (Parish) Barneby
[ Dalea californica S. Watson]
Source of report: specimen; expected in BC.
Specimens from ne BC identified as this species are likely mis-IDs of *P. schottii*.

**Rhynchosia pyramidalis** (Lam.) Urb.
Source of report: specimen; expected in BCS.
Specimens from the Cape region identified as this species are likely mis-IDs of *R. precatoria*.

**Sesbania emerus** (Aubl.) Herb.
Source of report: specimen; expected in BCS.
Specimens identified as this from the Cape region are likely *S. herbacea*.

**Sutherlandia frutescens** (L.) R. Br.
Source of report: specimen; expected in BC.
Reported as a naturalized escapee for the region between San Quintin & Cataviña, but no specimens found.

**Tephrosia leiocarpa** A. Gray var. *costenya* McVaugh
Source of report: specimen; expected in BCS.
Specimens from the SLL in BCS identified as this are likely *T. saxicola* and need to be verified.

**Tephrosia macrantha** Pringle
Source of report: specimen; expected in BCS.
Specimens identified as this from the immediate Pacific coast near Cabo San Lucas appear to be an uncommon hybrid between *T. cana* and *T. palmeri*.

**Tephrosia vicioides** Schlldl.
Source of report: specimen; expected in BCS.
The species *T. tenella* was lumped into *T. vicioides* by some treatments but is currently separated based on a lower leaflet number. Both species are common tropical weeds.

*Trifolium roseum* D. Heller & Zohary
Source of report: specimen; expected in BC.
Specimens identified as this from the vicinity of La Misión in nw BC are likely mis-IDs and need to be verified.

**Trifolium variegatum** Nutt. var. *variegatum* [Acaciopsis vernicosa Britton & Rose, Acacia constricta Benth. var. vernicosa (Britton & Rose) L. Benson, Acacia neovernicosa Isely]
Source of report: specimen; expected in BC.
Reported for the SSPM, but no specimens found.

**Vachellia vernicosa** (Britton & Rose) Seigler & Ebinger
[Acaciopsis vernicosa Britton & Rose, Acacia constricta Benth. var. vernicosa (Britton & Rose) L. Benson, Acacia neovernicosa Isely]
Source of report: specimen; expected in BC.
Reported as occurring in BC in new FNA treatment, but no specimens found.

**Zapoteca formosa** (Kunth) H.M. Hern. subsp. *schottii* (S. Watson) H.M. Hern.
Source of report: specimen; expected in BCS.
Specimens from BCS need to be verified and are likely mis-IDs of *Calliandra californica*.

**Fagaceae**

**Chrysolepis sempervirens** (Kellogg) Hjelmq.
Source of report: CFP list; expected in BC.
Reported for BC, but no specimens found.

**Quercus peduncularis** Nee
Source of report: specimen; expected in BC.
Specimens from the SSPM identified as this are likely mis-IDs of *Q. peninsularis*.

**Quercus skinneri** Benth.
Source of report: specimen; expected in BC.
Specimens from Guadalupe Island identified as this are likely mis-IDs of *Q. tomentella*.
Frankeniaceae

Frankenia gypsophila I.M. Johnst.
Source of report: specimen; expected in BC.
Specimens from nw BC identified as this are likely mis-IDs of F. salina.

Garryaceae

Garrya ovata Benth. subsp. ovata
Source of report: specimen; expected in BC.
Specimens from nw BC identified as this are likely mis-IDs of G. veatchii.

Gentianaceae

Centaurium babylonicum Druce
Source of report: specimen; expected in BCS.
Specimens from the SGIG of BCS identified as this are likely mis-IDs and need to be verified.

Gratiolaceae

Bacopa sessiliflora (Benth.) Edwall
Source of report: specimen; expected in BCS.
Specimens from the SGIG of BCS identified as this are likely mis-IDs of Bacopa monnieri.

Grossulariaceae

Ribes aureum Pursh var. gracillimum (Cov. & Britton) Jeps.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Ribes canthariforme Wiggins
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Ribes nevadense Kellogg
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Ribes roezlii Regel var. roezlii
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Monardella australis Abrams subsp. australis
[In Wiggins as Monardella odoratissima Benth. subsp. australis (Abrams) Epling]
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Monardella breweri A. Gray subsp. lanceolata (A. Gray) A. C. Sanders & Elvin
[Monardella lanceolata A. Gray]
Source of report: Jepson 2; expected in BC.
Reported for Baja Ca, but no specimens found.

Monardella linoides A. Gray subsp. stricta (Parish) Epling
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Monardella nana A. Gray subsp. leptosiphon (Torr.) Abrams
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Monardella viminea Greene
[Monardella linoides A. Gray subsp. viminea (Greene) Abrams]
Source of report: specimen; expected in BC.
Reported for n BC, but no specimens found and specimens previously identified as this are M. stoneana.

Salvia albiflora M. Martens & Galeotti
Source of report: WIGG; expected in BC.
Reported for n BC in the ne SJ & adjacent desert, but no specimens found.

Salvia mohavensis Greene
Source of report: WIGG; expected in BC.
Reported for n BC in the ne SJ & adjacent desert, but no specimens found.

Salvia sonomensis Greene
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Teucrium cubense Jacq. subsp. depressum (Small) E.M. McClint. & Epling
Source of report: WIGG; expected in BC.
Reported for extreme ne BC, but no specimens found.

Vitex mollis
Source of report: WIGG; expected in BC, BCS.
Reported from "mountain canyons in the mid-peninsula", but no specimens found.
Loasaceae

*Mentzelia multiflora* (Nutt.) A. Gray
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found and specimens previously identified as this are likely *M. longiloba*.

*Mentzelia longiloba* J. Darl. var. *pinacatensis* J.J. Schenk & L. Hufford
Source of report: literature; expected in BC.
Reported for extreme ne BC by Schenk & Hufford (2011), but no specimens cited and none have been found.

*Mentzelia nitens* Greene
[In Wiggins as Mentzelia nitens Green var. nitens]
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

Lythraceae

*Ammannia coccinea* Rottb.
Source of report: WIGG; expected in BC, BCS.
Reported for ne BC to Comondú in BCS, but no specimens found.

Malpighiaceae

*Galphimia glauca* Cav.
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this are likely mis-IDs of *G. anguatifolia*.

Malvaceae

*Hibiscus acicularis* Standley
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this species found in northeastern Mexico are likely mis-IDs of *H. ribifolius*.

*Hibiscus elegans* Standley
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this species found in central Mexico are likely mis-IDs of *H. ribifolius*.

*Malvastrum corniculatum* (Desr.) Britton ex Small
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this species found in southeastern Mexico are likely mis-IDs of *M. bicupulatum*.

*Melochia speciosa* S. Watson
[Melochia tomentosa L. var. speciosa (S. Watson) A. Goldberg]
Source of report: specimen; expected in BCS.
Specimens identified as this species are likely mis-IDs of Melochia tomentosa var. tomentosa.

*Sphaeralcea hastulata* A. Gray
Source of report: specimen; expected in BC.
Specimens identified as this from s BC are likely mis-IDs.

Menispermaceae

*Cissampelos pareira* L.
Source of report: WIGG; expected in BCS.
Reported for the Cape region, but no specimens found.

Montiaceae

*Calyptridium pulchellum* (Eastwood) Hoover
Source of report: specimen; expected in BC.
Specimens identified as this from the SSPM are likely mis-IDs of *C. monospernum*.

*Calyptridium umbellatum* (Torr.) Greene
Source of report: WIGG; expected in BC.
Reported for SJ & SSPM, but no specimens found. This name is likely misapplied to *C. monospernum*.

*Cistanthus parryi* A. Gray var. *nevadense* J.T. Howell
[Cistanthus parryi (A. Gray) Hershk. var. nevadense (J.T. Howell) Kartesz & Gandhi]
Source of report: specimen; expected in BC.
Specimens identified as this variety from the SSPM are mis-IDs of *C. parryi var. martirense*.

*Cistanthus ambiguus* (S. Watson) Hershk.
[In Wiggins as Calandrinia ambiguus (S. Watson) J.T. Howell]
Source of report: specimen; expected in BC.
Reported for ne BC, but no specimens found.

*Claytonia perfoliata* Willd. subsp. *perfoliata*
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found.

*Lewisia nevadensis* (A. Gray) B.L. Rob.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

*Lewisia rediviva* Pursh
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

*Montia chamissoi* (Spreng.) Greene
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

*Montia linearis* (Hook.) Greene
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Myrsinaceae

*Anagallis monelli* L.
[Anagallis linifolia L., Anagallis fruticosa Vent.]
Source of report: specimen; expected in BCS.
Specimens identified as this from the Cape region are mis-IDs of *A. arvensis*. *Anagallis monelli* is a perennial species with pedicels ascending in fruit.

*Boerhavia diffusa* L.
Source of report: specimen; expected in BC, BCS.
Specimens identified as this are likely mis-IDs of *B. coccinea*. *Boerhavia diffusa* differs from *B. coccinea* by having glabrous stems, fewer flowers in a cluster, & an obpyramidal fruit.

*Boerhavia hirsuta* L.
Source of report: LENZ; expected in BCS.
Based on a specimen collected by Brandegee in 1897 (UC) at San José del Cabo, but Standley did not recognize this species in the Baja California region so this specimen needs to be verified. His-
torically, some B. coccinea specimens have had this name applied to them in herbaria and floras.

*Boerhavia repens* L.
Source of report: specimen; expected in BCS.
A specimen (Jones 27481) collected at Triunfo in the Cape region and identified as this non-native species is likely a mis-ID.

*Mirabilis greenei* S. Watson
Source of report: specimen; expected in BCS.
Specimens identified as this are likely mis-IDs of *M. tenuiloba*.

*Mirabilis viscosa* Cav.
Source of report: specimen; expected in BC.
Specimens from nw BC identified as this species are likely mis-IDs of *M. laevis* var. *crassifolia*.

*Pisonia macranthocarpa* J.D. Sm.
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this are likely mis-IDs of *P. calafia*.

*Salpianthus arenarius* Bonpl.
[In Wiggins as Salpianthus macrodontus Standl.]
Source of report: WIGG; expected in BCS.
Reported for the SGIG region, but no specimens found.

**Oleaceae**

*Fraxinus dipetala* Hook. & Arn.
[Fraxinus jonesii Lingelsh.]
Source of report: specimen; expected in BC.
Specimens identified as this from nw BC are likely mis-IDs of *F. parryi*.

*Fraxinus velutina* Torr.
[Fraxinus papillosa Lingelsh.]
Source of report: specimen; expected in BC.
Specimens previously identified as this from nw BC are now considered to be *F. coriacea*.

**Onagraceae**

*Chylismia claviformis* (Torr. & Frém.) A. Heller subsp. *claviformis*
Source of report: specimen; expected in BC.
Specimens from ne BC identified as this Mojave Desert subspecies are likely mis-IDs.

*Clarkia similis* H. Lewis & W.R. Ernst
Source of report: CFP list; expected in BC.
Reported for extreme n BC, but no specimens found.

*Clarkia unguiculata* Lindl.
Source of report: specimen; expected in BC.
Reported for SJJ, but no specimens found.

*Gayophytum diffusum* Torr. & A. Gray subsp. *diffusum*
Source of report: Jepson 2; expected in BC.
Reported for BC, but no specimens found.

*Oenothera xenogaura* W.L. Wagner & Hoch
[In Wiggins as Gaura drummondii (Spach) Torr. & A. Gray]
Source of report: WIGG; expected in BC, BCS.
Reported as a possible occasional weed, but no specimens found.

*Oenothera sinuosa* W.L. Wagner & Hoch
[In Wiggins as Gaura sinuata Ser.]
Source of report: WIGG; expected in BC, BCS.
Reported as a possible occasional weed, but no specimens found.

**Orobanchaceae**

*Castilleja densiflora* (Benth.) T.I. Chuang & Heckard subsp. *densiflora*
[In Wiggins as Orthocarpus densiflorus Benth. var. densiflorus]
Source of report: WIGG; expected in BC.
Reported for extreme nw BC, but no specimens found.

*Buchnea longifolia* Kunth
[Beuchnea elongata Sw.]
Source of report: specimen; expected in BC.
Specimens identified as this from the SLL of BCS are likely mis-IDs of *B. pusilla*.

*Conopholis americana* (L.) Wallr.
Source of report: specimen; expected in BCS.
Specimens identified as this species from the SLL of BCS are likely mis-IDs of *C. alpina*.

*Cordylanthus rigidus* (Benth.) Jeps. subsp. *rigidus*
[In Wiggins as Cordylanthus filifolius Nutt. ex Benth.; also Cordylanthus rigidus var. filifolius J.F. Macbr.]
Source of report: WIGG; expected in BC.
Specimens identified as this are likely mis-IDs of *C. rigidus* subsp. *setigerus*.

*Kopsiopsis strobilacea* (A. Gray) Beck
[Boschniakia strobilacea A. Gray]
Source of report: Jepson 2; expected in BC.
Reported for n BC, but no specimens found.

*Orobanche ludoviciana* Nutt. subsp. *ludoviciana*
[Orobanche multihora Nutt. var. arenosa (Suksd.) Munz]
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are likely mis-IDs of either *O. cooperi* or *O. multihora*.

*Pedicularis semibarbata* A. Gray
Source of report: CFP list; expected in BC.
Reported for nw BC, but no specimens found.

**Oxalidaceae**

*Oxalis pilosa* Nutt.
[Oxalis albicans Kunth subsp. pilosa (Nutt.) G. Eiten]
Source of report: Rebman; expected in BC.
Suspected in n BC, but no specimens found.

**Papaveraceae**

*Argemone platyceras* Link & Otto
Source of report: specimen; expected in BC.
Specimen at MO identified as this as likely a mis-ID of *A. gracilenta* or *A. munita*.

*Romneya coulteri* Harv.
Source of report: specimen; expected in BC.
Suspected in n BC, but no specimens found.
Passifloraceae

Passiflora subpeltata Ortega
Source of report: specimen; expected in BC.
Specimens from ne BC identified as this are likely mis-IDs of P. palmeri.

Phrymaceae

Diplacus aurantiacus (Curtis) Jeps.
[In Wiggins as Mimulus aurantiacus Curtis]
Source of report: specimen; expected in BC.
Specimens identified as this species from Cedros Island are now recognized as D. stellatus.

Diplacus bigelovii (A. Gray) G.L. Nesom
[In Wiggins as Mimulus bigelovii A. Gray; also Mimulus bigelovii (A. Gray) A. Gray]
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Diplacus ×linearis (Benth.) Greene
[In Wiggins as Mimulus linearis Benth.]
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found as this hybrid species is now recognized as occurring only in the Coastal Ranges of CA.

Erythranthe tilingii (Regel) G.L. Nesom
[Mimulus tilingii Regel]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Phyllanthaceae

*Phyllanthus caroliniensis* Walter
Source of report: literature; expected in BCS.
Reported for BCS in Webster (2001), but no specimens found.

Phytolaccaceae

Phytolacca americana L. var. americana
Source of report: specimen; expected in BC.
Specimens identified as this from nw BC are likely mis-IDs of Phytolacca icosandra.

Plantaginaceae

Antirrhinum filipes A. Gray
[In Wiggins as Asarina filipes (A. Gray) Pennell; also Neogaerrhinum filipes (A. Gray) Rothm.]
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

Collinsia bartsiifolia Benth.
Source of report: specimen; expected in BC.
Specimens identified as this from n BC are likely mis-IDs and need to be verified.

Collinsia childii Parry ex A. Gray
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Collinsia parviflora Douglas ex Lindl.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Hippuris vulgaris L.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Penstemon clevelandii A. Gray var. connatus Munz & I.M. Johnst.
[Penstemon clevelandii subsp. connatus (Munz & I.M. Johnst.) D.D. Keck]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Penstemon heterophyllus Lindl. var. australis Munz & I.M. Johnst.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Podostemaceae

Podostemum ceratophyllum Michx.
[In Wiggins as Podostemon ceratophyllum (orthographic variant)]
Source of report: WIGG; expected in BCS.
Reported for eastern slopes of mountains in the Cape region, but no specimens found. Specimens from BCS identified as this are likely mis-IDs of Oserya coulteriana.

Polemoniaceae

Aliciella micromeria (A. Gray) J.M. Porter
[In Wiggins as Gilia micromeria A. Gray]
Source of report: WIGG; expected in BC.
Reported for the SJ & SSPM in n BC, but no specimens found.

Bryantiella glutinosa (Phil.) J.M. Porter
[Gilia glutinosa Phil.]
Source of report: specimen; expected in BC.
A specimen at MO (2754476) collected in “Mts. near Tecate, Northern Lower California” by Orcutt on 9 July 1886 determined as this species from South America is likely a mis-ID of Allophyllum glutinosum.

Collomia grandiflora Lindl.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Eriastrum densifolium (Benth.) H. Mason subsp. austromontanum (T.T. Craig) H. Mason
Source of report: WIGG; expected in BC.
Reported for the SJ & SSPM in n BC, but no specimens found.

Eriastrum densifolium (Benth.) H. Mason subsp. densifolium
Source of report: specimen; expected in BC.
Specimens identified as this subspecies from the SSPM are likely mis-IDs of subsp. elongatum since subsp. densifolium s.s. is considered to be a dune endemic along the Pacific coast in central CA.

Gilia achilleifolia Benth.
Source of report: specimen; expected in BC.
Specimens identified as this species without infraspecies are likely subsp. abrotanifolia.

Gilia achilleifolia Benth. subsp. multicaulis (Benth.) V.E. Grant & A.D Grant
Source of report: specimen; expected in BC.
Specimens from Guadalupe Island identified as this are likely mis-IDs of Gilia nevinii.

Gilia minor A.D. Grant & V.E Grant
Source of report: specimen; expected in BC.
According to J.M. Porter, the specimens identified as this in our region and annotated by A. Day are mis-IDs of G. mexicana.

Gilia modocensis Eastw.
Source of report: specimen; expected in BC.
According to J.M. Porter, the specimens identified as this from the SJ are mis-IDs of G. diegensis.

Gilia ochroleuca M.E. Jones subsp. ochroleuca
Source of report: WIGG; expected in BC.
Reported for the SJ of n BC, but no specimens found.

Gilia opthalmoides Brand
Source of report: specimen; expected in BC.
Specimens identified as this from BC are likely mis-IDs of G. mexicana.

Gilia sinuata Benth.
Source of report: WIGG; expected in BC.
According to J.M. Porter, the specimens identified as this from the SJ and annotated by A. Day are mis-IDs of G. diegensis.

Giliastrum rigidulum (Benth.) Rydb.
[In Wiggins as Gilia rigidula Benth.]
Source of report: WIGG; expected in BCS.
Reported for ne BCS near Santa Rosalía and likely misapplied to Dayia scabra.

Leptosiphon chrysanthus J.M. Porter & R. Patt. subsp. decorus
(A. Gray) J.M. Porter & R. Patt.
[Linanthus aureus (Nutt.) Greene subsp. decorus (A. Gray) H. Mason]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Loeseliastrum matthewsii (A. Gray) S. Timbrook
[In Wiggins as Langloisia matthewsii (A. Gray) Greene]
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

Navarretia intertexta (Benth.) Hook. subsp. intertexta
Source of report: Jepson 2; expected in BC.
Reported for BC, but no specimens found.

Polygalaceae

Polygalacea chiapensis S.F. Blake
Source of report: specimen; expected in BC.
A specimen at MO (1902587) collected in “Northern Lower California” by Orcutt on 30 Sep 1884 determined as this species is likely a mis-ID.

Polygalacca obscura Benth.
[Polygalacca puberula A. Gray]
Source of report: JLLL; expected in BCS.
Reported for BCS, but no specimens found.

Polygalacca russelliana S.F. Blake
Source of report: specimen; expected in BCS.
Specimens from the Cape region of BCS identified as this species that is found in central Mexico are likely mis-IDs of either P. albowiana or P. magdalenae.

Polygonaceae

Eriogonum brachyanthum Cov.
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found.

Polygonum douglasii Greene
Source of report: WIGG; expected in BC.
Reported for SJ in extreme n BC, but no specimens found.

Rumex violascens Rech.f.
Source of report: WIGG; expected in BC.
Reported for ne BC in the Colorado River delta, but no specimens found.

Portulacaceae

Portulaca pilosa L.
[In Wiggins as Portulaca mudula I.M. Johnst.]
Source of report: WIGG; expected in BCS.
Reported for BCS, but no specimens found. This report is likely confused with the endemic P. californica which is not listed in Wiggins.

Primulaceae

Primula meadia (L.) Mast & Reveal
[Dodecatheon meadia L.]
Source of report: specimen; expected in BC.
Specimens reported as this species from Guadalupe Island are P. clevelandii subsp. insularis.

Ranunculaceae

Delphinium parishii A. Gray subsp. parishii
Source of report: Jepson 2; expected in BC.
Reported for n BC, but no specimens found.

Ranunculus alismifolius Benth. var. alismellus A. Gray
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

Ranunculus scleratus L.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Rhamnaceae

Adolphia infesta (Kunth) Meisn.
Source of report: specimen; expected in BC.
Specimen from BC deposited at MO. Note some authors lump A. californica into this species.

Ceanothus palmeri Trel.
Source of report: Jepson 2; expected in BC.
Reported for n BC, but no specimens found.

Colubrina arborescens (Mill.) Sarg.
Source of report: specimen; expected in BCS.
Specimens identified as this in BCS are likely mis-IDs of C. triflora.
Condalia hookeri M.C. Johnst. var. hookeri
[Condalia obovata Hook.]
Source of report: specimen; expected in BC.
Specimens identified as this or C. obovata are likely mis-IDs of C. brandegeei.

Frangula californica (Eschsch.) A. Gray subsp. californica
Source of report: CFP list; expected in BC.
Reported for nw BC, but no specimens found.

Rhamnus pilosa (Curran) Abrams
Source of report: specimen; expected in BC.
Reported for nw BC, but no specimens found.

Ziziphus amole (Sesse & Moc.) M.C. Johnst.
[In Wiggins as Ziziphus sonorensis S. Watson]
Source of report: WIGG; expected in BCS.
Reported for the Cape region of BCS, but no specimens found.

Rosaceae

Agrimonia gryposepala Wallr.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Cercocarpus montanus Raf.
Source of report: specimen; expected in BC.
Some taxonomists lump C. betuloides & C. minutiflorus into an expanded concept of this species.

Horkelia clevelandii (Greene) Rydb. var. clevelandii
[In Wiggins as Horkelia bolanderi A. Gray subsp. clevelandii (Greene) Keck]
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found. Specimens identified as this variety are likely mis-IDs of var. brevibracteata.

Horkelia cuneata Lindl.
Source of report: WIGG; expected in BC.
Reported for nw BC, but no specimens found.

Potentilla wheeleri S. Watson
Source of report: specimen; expected in BC.
Reported for nw BC, but no specimens found. Specimens identified as this from the SSPM are mis-IDs of P. luteosericea.

Poteridium annuum (Nutt.) Spach
[Sanguisorba occidentalis Torr. & A. Gray inval.]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Prunus serotina Ehrh. subsp. capuli (Cav. ex Spreng.) McVaugh
[Prunus capuli Cav.]
Source of report: JLLL; expected in BCS.
Reported for BCS, but no specimens found.

Rubiceae

Galium boreale L.
[Galium boreale subsp. septentrionale (Roem. & Schult.) H. Har.
Source of report: specimen; expected in BC.
Specimens identified as this from the SSPM of n BC are likely mis-IDs of either G. wigginsi or G. diabolense.

Galium trifidum L.
Source of report: WIGG; expected in BCS.
A specimen collected by Palmer #165 in 1887 in Mulegé (“Maleje”) is a possible voucher for this species in BCS, but it is likely that the locality for this specimen is incorrect & no other specimens have been documented in our region.

Kelloggia galioides Torr.
Source of report: CFP list; expected in BC.
Reported for nw BC, but no specimens found.

Mitracarpus frigidus (Willd. ex Roem. & Schult.) K. Schum. var. portoricensis Urb.
[Mitracarpus portoricensis (Urb.) Urb.]
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this are likely mis-IDs of either M. glabrescens or M. linearifolius.

Oldenlandia microtheca (Cham. & Schltldl.) DC.
[Hedyotis microtheca (Cham. & Schltldl.) Steud.]
Source of report: specimen; expected in BCS.
Specimens identified as this from near La Paz need to be checked and are likely mis-IDs of a Stenotis species.

Rutaceae

Ruta graveolens L.
Source of report: specimen; expected in BC.
Specimens collected in nw BC all seem to be horticultural and have not naturalized.

Salicaceae

Salix lasiandra Benth. var. lasiandra
[Salix ludia Muhl. subsp. lasiandra (Benth.) E. Murray, Salix lasiandra var. abramsii C.R. Ball]
Source of report: specimen; expected in BCS.
Specimens previously identified as this from the SSPM have been re-determined to S. bonplandiana.

Sapindaceae

Acer macrophyllum Pursh
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Paulinia tomentosa Jacq.
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS, are mis-IDs of Cardiospermum corinum.

Saxifragaceae

Heuchera brevistaminea Wiggins
Source of report: WIGG; expected in BC.
Reported for n SJ, but no specimens found.

Lithophragma bolanderi A. Gray
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Lithophragma cymbalaria Torr. & A. Gray
Source of report: WIGG; expected in BC. Reported for n BC, but no specimens found.

Lithophragma heterophyllum (Hook. & Arn.) Torr. & A. Gray
Source of report: WIGG; expected in BC. Reported for n BC, but no specimens found.

Lithophragma parviflorum (Hook.) Torr. & A. Gray var. parviflorum
Source of report: CFP list; expected in BC. Reported for n BC, but no specimens found.

Micranthes odontoloma (Piper) A. Heller
[In Wiggins as Saxifraga arguta D. Don; also Micranthes arguta (D. Don) Small]
Source of report: WIGG; expected in BC. Reported for the SSPM of n BC, but no specimens found.

Solanaceae

*Capsicum annuum* L. cultivars
Source of report: WIGG; expected in BC, BCS. Reported as cultivated throughout the peninsula & rarely escaping from planted fields, but no specimens found.

*Cestrum nocturnum* L.
Source of report: CFP list; expected in BC. Reported for n BC, but no specimens found.

*Datura stramonium* L.
Source of report: CFP list; expected in BC. Reported for n BC, but no specimens found.

*Lycium californicum* A. Gray var. *carinatum* (S. Watson) F. Chiang
[In Wiggins as Lycium carinatum S. Watson; also Lycium californicum subsp. *carinatum* (S. Watson) Felger & C.H. Lowe]
Source of report: WIGG; expected in BCS. Specimens from the Cape region need to be verified and may be mis-IDs of var. *californicum*.

*Lycium cooperi* A. Gray
Source of report: WIGG; expected in BC. Reported for ne BC, but no specimens found.

*Physalis hysophila* Standl.
Source of report: specimen; expected in BCS. Specimens from BCS identified as this are likely mis-IDs of *P. leptophylla*.

*Physalis nicandroides* Schltidl.
Source of report: WIGG; expected in BCS. Specimens from the Cape region identified as this are likely mis-IDs of *P. pruinosa*.

*Physalis viscosa* L.
Source of report: specimen; expected in BCS. Specimens from the Cape region are likely mis-IDs of another *Physalis* species & need to be verified.

*Solanum corymbosum* Jacq.
Source of report: specimen; expected in BCS. Specimens identified as this from BCS are likely mis-IDs of *S. americanum*.

Stegnospermataceae

*Stegnosperma watsonii* D.J. Rogers
Source of report: specimen; expected in BC, BCS. Specimens identified as this from BC or BCS are likely mis-IDs of *Stegnosperma halimifolium*.

Styracaceae

*Styrax redivivus* (Torr.) L.C. Wheeler
Source of report: CFP list; expected in BC. Reported for n BC, but no specimens found.

Theophrastaceae

*Bonellia macrocarpa* (Cav.) B. Ståhl & Källersjö subsp. *pungens* (A. Gray) B. Ståhl & Källersjö
[In Wiggins as Jacquinia *pungens* A. Gray; also Jacquinia macrocarpa Cav. subsp. *pungens* (A. Gray) B. Ståhl]
Source of report: WIGG; expected in BCS. Reported for the southeastern Cape region, but no specimens found.

Urticaceae

*Parietaria debilis* G. Forst.
Source of report: specimen; expected in BCS. Specimens identified as this species native to Australia & New Zealand are likely mis-IDs of either *P. floridana* or *P. hespera*.

*Soleirolia soleirolii* (Req.) Dandy
Source of report: Jepson 2; expected in BC. Reported for BC, but no specimens found.

Valerianaceae

*Centranthus ruber* (L.) DC.
Source of report: CFP list; expected in BC. Reported for nw BC, but no specimens found.

*Plectritis ciliosa* (Greene) Jeps.
Source of report: WIGG; expected in BC. Reported for n SJ of nw BC, but no specimens found.

Verbenaceae

*Aloysia wrightii* (Torr.) Abrams
Source of report: CFP list; expected in BC. Specimens identified as this from the Cape region of BCS are likely mis-IDs of *A. barbata*.

*Glandularia teucriifolia* (M. Martens & Galeotti) Umber
[Verbena teucriifolia M. Martens & Galeotti]

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Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are likely mis-IDs of G. shrevei.

*Lippia alba* (Mill.) Britton & P. Wilson
Source of report: WIGG; expected in BCS.
Reported for SGIG in BCS, but the specimens from this area are currently recognized as *L. carterae*.

*Phyla lanceolata* (Michx.) Greene
Source of report: WIGG; expected in BC.
Reported for *ne BC*, but no specimens found.

*Phyla nodiflora* (L.) Greene var. minor (Hook.) N. O’Leary
[In Wiggins as *Phyla nodiflora* (L.) Greene var. rosea (D. Don) Moldenke; also *Phyla nodiflora* (L.) Greene var. canescens (Kunth) Moldenke]
Source of report: WIGG; expected in BC.
Reported for *ne BC*, but no specimens found.

*Verbena hirtella* (L.M.Perry) G.L. Nesom
[In Wiggins as *Verbena neomexicana* (A. Gray) Small var. hirtella L.M. Perry]
Source of report: WIGG; expected in BC.
Reported for *ne BC*, but no specimens found.

*Verbena lasiostachys* Link var. *lasiostachys*
[In Wiggins as *Verbena lasiostachys* (no vars.)]
Source of report: WIGG; expected in BC.
Reported for *SJ in n BC*, but no specimens found.

*Verbena perennis* Woot.
Source of report: specimen; expected in BCS.
Specimens from BCS identified as this are likely mis-IDs of *V. menthifolia*.

*Verbena plicata* Greene
Source of report: WIGG; expected in BC.
Reported for *n BC*, but specimens previously identified as this are now recognized as *V. califernera*.

*Verbena urticifolia* L.
Source of report: specimen; expected in BCS.
Reported for *n BC*, but specimens identified as this are now recognized as *V. califernera*.

*Verbena xylopoda* (L.M.Perry) G.L. Nesom
[In Wiggins as *Verbena neomexicana* (A. Gray) Small var. *xylopoda* L.M. Perry]
Source of report: WIGG; expected in BC.
Reported for *n BC*, but specimens identified as this are now recognized as *V. califernera*.

*Viola douglasii* Steud.
Source of report: WIGG; expected in BC.
Reported for *SJ in n BC*, but no specimens found.

*Viola lobata* Benth. subsp. *lobata*
Source of report: WIGG; expected in BC.
Reported for *SJ in n BC*, but no specimens found.

*Phyla lanceolata* (Michx.) Greene
Source of report: WIGG; expected in BC.
Reported for *n BC*, but no specimens found.

*Adenostoma fasciculatum* Nutt. ex Engelm.
Source of report: CFP list; expected in BC.
Reported for *n BC*, but no specimens found.

*Ximenia pubescens* Standl.
Source of report: WIGG; expected in BCS.
Reported for Bahía San Nicolas near Loreto in BCS, but likely mis-IDs of the variable *X. glauca*.

*Zygophyllaceae*

*Kallstroemia grandiflora* Torr. ex A Gray
Source of report: specimen; expected in BCS.
Specimens identified as this species from BCS are likely mis-IDs of *K. peninsularis*.

**Angiosperms: Monocots**

*Agavaceae*

*Agave americana* L.
Source of report: WIGG; expected in BC, BCS.
Reported as “planted widely and escaping rapidly,” but no specimens are known documenting it as naturalized in our region.

*Agave chrysoglossa* I. M. Johnst.
Source of report: WIGG; expected in BCS.
Known from San Pedro Nolasco Island in Sonora, but not in the Baja California region.

*Agave cerulata* Trel. subsp. *dentiens* (Trel.) Gentry
[In Wiggins as *Agave dentiens* Trel.]
Source of report: WIGG; expected in BCS.
Known from San Estéban Island in Sonora, but not in the Baja California region.

*Agave fourcroydes* Lem.
[In Wiggins as *Agave sullivanii* Trel.]
Source of report: WIGG; expected in BCS.
Reported as cultivated in the Cape Region, but not known to naturalize in our region.

*Agave subsimplex* Trel.
Source of report: literature; expected in BCS.
Known from western Sonora, Tiburon Island & its surrounding islets (Gentry 1978), but not from the Baja California region.

*Alismataceae*

*Sagittaria cuneata* Sheldon
Source of report: WIGG; expected in BC.
Reported for Valle Trinidad in the *SJ* of *n BC*, but no specimens found.

*Sagittaria longiloba* Engelm.
[In Wiggins as *Sagittaria greggii* J.G. Sm.]
Source of report: WIGG; expected in BC, BCS.
Reported for *BC & for BCS in the vicinity of Mulegé*, but no specimens found.
Alliaceae

Allium glandulosum Link & Otto
Source of report: specimen; expected in BCS.
Specimens identified as this from the Cape region appear to be Nothoscordum gracile.

Amaryllidaceae

Zephyranthes concolor (Lindl.) Benth. & Hook.f.
[Harbantan concolor Lindl.]
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS with yellow flowers are likely mis-IDs of Habranthus longifolia.

Araceae

Lemna perpusilla Torr.
Source of report: LENZ; expected in BCS.
Reported for San José del Cabo, but no specimens found. Some specimens previously identified as this are now L. aequinoctialis.

Lemna turionifera Landolt
Source of report: FNA; expected in BC, BCS.
Reported for Baja California, but no specimens found.

Arecaceae

*Cocos nucifera L.
Source of report: WIGG; expected in BCS.
Reported for Mulegé, Loreto, & La Paz, but no naturalized specimens found.

Bromeliaceae

*Tillandsia usneoides (L.) L.
Source of report: specimen; expected in BCS.
Based on an historical specimen collected by Palmer in 1888 from BCS, but likely cultivated.

Commelinaceae

Gibasis linearis (Benth.) Rohweder subsp. linearis
[In Wiggins as Gibasis linearis (no subspecies); also Aneilema linearis (Benth.) Woodson; Tradescantia linearis Benth.]
Source of report: WIGG; expected in BCS.
Reported as the species, but no vouchers of this subspecies have been found.

Tradescantia occidentalis (Britt.) Smyth var. scopulorum (Rose) E.S. Anderson & Woods
[Tradescantia scopulorum Rose]
Source of report: specimen; expected in BCS.
Specimens identified as this are likely mis-IDs of Gibasis venusta subsp. peninsulae.

Cyperaceae

Bulbostylis hirta (Thunb.) Svenson
Source of report: specimen; expected in BCS.
Specimens previously identified as this from BCS are B. juncoides.
**Juncus kelloggii** Engelm.
Source of report: WIGG; expected in BC.
Reported for the desert side of the SSPM in BC, but no specimens found.

**Juncus phaeocephalus** Engelm. var. *phaeocephalus*
Source of report: WIGG; expected in BC.
Reported for SJ & SSPM in BC, but no specimens found.

**Juncaginaceae**

**Triglochin maritima** L.
Source of report: specimen; expected in BCS.
Specimens previously identified as *T. concinna* var. *concinna*.

**Liliaceae**

**Calochortus dunnii** Purdy
Source of report: WIGG; expected in BC.
Reported for the n SJ in BC, but no specimens found. Note specimens previously identified as this species are now recognized as *C. palmeri* var. *muncii*.

**Calochortus flexuosus** S. Watson
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

**Lilium humboldtii** Roezl & Leichtlin ex Duch. subsp. *ocellatum* (Kellogg) Thorne
[In Wiggins as *Lilium humboldtii* var. *blomerianum* (Kellogg) Jeps.]
Source of report: WIGG; expected in BC.
Expected in SJ or SSPM in n BC, but no specimens found.

**Lilium pardalinum** Kellogg
Source of report: WIGG; expected in BC.
Expected in SJ or SSPM in n BC, but no specimens found.

**Lilium parryi** S. Watson
Source of report: WIGG; expected in BC.
Expected in SJ or SSPM in n BC, but no specimens found.

**Orchidaceae**

**Corallorhiza maculata** (Raf.) Raf.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Corallorhiza striata** Lindl.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Hexalectris nitida** L.O. Williams
Source of report: literature; expected in BCS.
Reported for the SLL of BCS by Kennedy & Watson (2010), but no specimens found.

**Piperia unalascensis** (Spreng) Rydb.
[In Wiggins as *Habenaria unalascensis* (Spreng.) S. Watson]
Source of report: WIGG; expected in BC.
Reported for SJ & SSPM in BC, but no specimens found.

**Spiranthes porrifolia** Lindl.
[In Wiggins as *Spiranthes romanzensoffiana* Cham. var. *porrifolia* (Lindl.) Ames & Correll]
Source of report: WIGG; expected in BC.
Reported for SSPM in BC, but no specimens found.

**Spiranthes romanzensoffiana** Cham.
[In Wiggins as *Spiranthes romanzensoffiana* var. *romanzensoffiana*]
Source of report: WIGG; expected in BC.
Reported for SSPM in BC, but no specimens found.

**Poaceae**

**Achnatherum pinetorum** (M.E. Jones) Barkworth
[Stipa pinetorum M.E. Jones]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Agrostis blasdalei** Hitchc.
Source of report: specimen; expected in BC.
Specimens from the higher elevations of the SSPM identified as *A. blasdalei* are small forms of *A. exarata*.

*Agrostis tandinensi* (Kuntze) L. Parodi
[Bromidium tandinense (Kuntze) Rúgolo, Agrostis kennedyana Beetle]
Source of report: WIGG; expected in BC.
This non-native species was reported for San Agustín in n BC, but no specimens found. It looks very similar to the native annual *A. microphylla*.

*Agrostis caryophyllea* L.
Source of report: WIGG, Jepson 2; expected in BC.
Reported for nw BC, but no specimens found.

**Alopecurus geniculatus** L.
Source of report: WIGG; expected in BC.
Reported for SJ & SSPM, but no specimens found.

*Anthoxanthum aristatum* Boiss.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Anthoxanthum odoratum* L.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

**Aristida laxa** Cav.
Source of report: specimen; expected in BC, BCS.
Specimens identified as this from BC & BCS in some herbaria are *A. schiedeana*.

**Aristida purpurea** Nutt. var. *wrightii* (Nash) Allred
[In Wiggins as *Aristida wrightii* Nash]
Source of report: WIGG; expected in BC.
Reported for Angel de la Guarda Island by Wiggins, but all specimens seen from there appear to be var. *nealeyi*.

**Bouteloua barbata** Lag. var. *rothrockii* (Vasey) Gould
[In Wiggins as *Bouteloua rothrockii* Vasey; also Bouteloua barbata var. *major* (Vasey) Beetle]
Source of report: WIGG; expected in BC.
Specimens previously identified as this taxon in the Cape region of BCS are short-lived perennials of *B. barbata var. barbata*.

**Bouteloua breviseta** Vasey
Source of report: specimen; expected in BCS.
Specimens previously identified as this taxon in BCS are B. barbata var. barbata.

*Bouteloua chondrosoides* (Kunth) Benth. ex S. Wats.
Source of report: WIGG; expected in BC.
Reported for ne BC, but no specimens found.

*Bouteloua eriopoda* (Torr.) Torr.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Bouteloua gracilis* (Kunth) Griffiths
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Bouteloua radicosa* (E. Fourn.) Griffiths
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found. Specimens identified as this species in BCS are B. repens.

*Bromus arenarius* Labill.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Bromus arvensis* L.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Bromus briziformis* Fisch. & C.A. Meyer
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Bromus ciliatus* L.
Source of report: WIGG; expected in BC.
This species is not known from Mexico & specimens previously identified as this are B. richardsonii.

*Bromus grandis* (Shear) Hitchc.
Source of report: WIGG, Jepson 2; expected in BC.
Reported for the n SJ, but no specimens found.

*Bromus laevis* Shear
Source of report: WIGG, Jepson 2; expected in BC.
Reported for n BC, but no specimens found.

*Bromus orcuttianus* (Shear) Hitchc.
Source of report: WIGG, Jepson 2; expected in BC.
Reported for n BC above 1500 m in elevation, but no specimens found.

*Bromus porteri* (J.M. Coulter) Nash
Source of report: Gould & Moran; expected in BCS.
Reported for Cerro Azufre in n BCS, but specimens now determined to B. richardsonii.

*Bromus racemosus* L.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Bromus sterilis* L.
Source of report: literature; expected in BC.
Reported for n BC by Espejo-Serna et al. (2000), but no specimens found.

*Calamagrostis koelerioides* Vasey
[In Wiggins as Calamagrostis densa Vasey]
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Centaurium longisetum* M.C. Johnst.
[Penisetum villosum Fresen.]
Source of report: Rebman; expected in BC.
Rebman observed this species in Tijuana in a road median in Oct. 2013, but no specimens are known.

*Coix lacryma-jobi* L.
Source of report: WIGG; expected in BCS.
Reported for the Cape region of BCS, but no specimens found.

*Danthonia acuminatum* (Sw.) Gould & C.A. Clark var. acuminatum
[In Wiggins as Panicum huachucae Ashe, Panicum occidentale Scribn.; also Panicum acuminatum Sw. var. acuminatum]
Source of report: WIGG; expected in BC.
Reported for the SJ in n BC, but no specimens found.

*Danthonia acuminatum* (Sw.) Gould & C.A. Clark var. fasciculatum (Torr.) Freckmann
[In Wiggins as Panicum pacificum Hitchc. & Chase]
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

*Digitaria ischaemum* (Schreb.) Muhlenb.
Source of report: Rebman; expected in BC.
Reported for n BC as a possible waif, but no specimens found.

*Digitaria longiflora* (Retz.) Pers.
Source of report: WIGG; expected in BCS.
Reported as possible in BCS, but no specimens found.
**Dinebra panicoides** (J. Presl) P.M. Peterson & N. Snow
[Leptochloa panicoides (J. Presl) Hitchc.]
Source of report: specimen; expected in BCS.
A specimen previously identified as this species was re-determined to *D. viscida*.

**Elymus glaucus** Buckley subsp. *virescens* (Piper) Gould
Source of report: WIGG; expected in BC.
Reported for extreme n BC, but no specimens found.

**Elymus multisetus** (J. G. Smith) Burtt Davy
[In Wiggins as Sitanion jubatum J.G. Sm.]
Source of report: WIGG; expected in BCS.
Reported for SJ & SSPM, but no specimens found.

**Elymus stebbinsii** Gould
[In Wiggins as Agropyron parishii Scribn. & Sm. var. laeve Scribn. & Sm.]
Source of report: WIGG; expected in BCS.
Reported for SSPM, but no specimens found.

**Eragrostis intermedia** Hitchc. var. *oreophila* (L.H. Harv.) Witherspoon
[Eragrostis oreophila L.H. Harv.]
Source of report: LENZ; expected in BCS.
Misapplied to specimens of *E. lugens* from BCS.

**Eragrostis oxylepis** (Torr.) Torr.
[Eragrostis secundiflora J. Presl subsp. oxylepis (Torr.) S.D. Koch]
Source of report: WIGG; expected in BC.
Reported for San Diego County & adjacent BC, but doubtful in western North America.

**Festuca brachyphylla** Schult. & Schult. f. subsp. *breviculmis* Fred.
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

**Hilaria cenchroides** Kunth
Source of report: WIGG; expected in BCS.
The plants from BCS previously recognized as this species have been lumped into *H. berlangeri*.

**Imperata brasiliensis**
Source of report: WIGG; expected in BCS.
Reported to possibly occur in the Cape region, but no specimens found.

**Jouvea straminea**
Source of report: Lenz; expected in BCS.
The only specimen reported (Brandegee 2 Sep 1893 (UC) at San José del Cabo) and it is likely a mis-ID of *J. pilosa* and needs to be verified.

**Leersia oryzoides** (L.) Sw.
Source of report: WIGG; expected in BC.
Reported as occurring along stream banks and irrigation ditches, but no specimens found.

**Muhlenbergia californica** Vasey
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

**Muhlenbergia glauca** (Nees) B.D. Jackson
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

**Muhlenbergia montana** (Nutt.) Hitchc.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

**Muhlenbergia utilis** (Torrey) Hitchc.
[Sporobolus utilis (Torrey) Scribn.]
Source of report: WIGG; expected in BC, BCS.
Historical specimens identified as this & *Sporobolus* *u.* are *Muhlenbergia repens*.

**Panica dichotomiflorum** Michaux
Source of report: WIGG; expected in BC.
Reported for n BC in ditches, but no specimens found.

**Paspalum longicuspis** Nash
Source of report: specimen; expected in BCS.
Specimens identified as this from BCS are *P. distichum*.

*Paspalum urvillei* Steud.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found. Specimens identified as this from BCS are likely mis-IDs.

*Paspalum vaginatum* Sw.
Source of report: Gould & Moran; expected in BC.
Misapplied by Gould & Moran to *P. distichum*. However, the non-native *P. vaginatum* could be expected in nw BC.

**Phalaris lemmonii** Vasey
Source of report: WIGG; expected in BC.
Reported for the SJ in n BC, but no specimens found.

**Phragmites australis** (Cav.) Steudel subsp. *americanus* Saltonstall, P.M. Peterson, & Soreng
Source of report: CFP list; expected in BC.
Expected along the Pacific coast in nw BC and possible along the Colorado River in ne BC, but no specimens found.

**Poa howellii** Vasey & Scribn.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found.

**Schizachyrium malacostachyum** (J. Presl) Nash
Source of report: Gould & Moran; expected in BCS.
Specimens previously identified as this taxon are S. semitectum.

Setaria latifolia (Scribn.) W. Herrm.
Source of report: specimen; expected in BCS.
Specimens previously identified as this taxon are S. grisebachii.

*Setaria setosa (Sw.) P. Beauv.
[Setaria caudata (Lam.) Roem. & Schult.]
Source of report: specimen; expected in BCS.
Specimens identified as this taxon from the Cape region appear to be S. palmeri.

Setariopsis latiglumis (Vasey) Scribn.
Source of report: specimen; expected in BCS.
Specimens identified as this taxon are Disakisperma dubia.

Sporobolus flexuosus (Vasey) Rydb.
Source of report: specimen; expected in BCS.
Specimens from the Cape region of BCS identified as this are likely mis-IDs of T. lanceolatum.

Tripsacum dactyloides (L.) L.
Source of report: specimen; expected in BCS.
Specimens from the Cape region of BCS identified as this are likely mis-IDs of T. lanceolatum.

Urochloa mollis (Sw.) Morrone & Zuloaga
[Brachiaria mollis (Sw.) Parodi]
Source of report: JLLL; expected in BCS.
Specimens previously determined as this species are U. mutica.

*Zea mexicana (Schrad.) Kuntze
[In Wiggins as Euchlaena mexicana Schrad.]
Source of report: WIGG; expected in BC.
Reported as an agricultural crop that hybridizes with Zea mays in n BC, but no naturalized specimens found.

Rusaceae

Maianthemum racemosum (L.) Link
[Smilacina racemosa (L.) Desf.]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Maianthemum stellatum (L.) Link
[Smilacina stellata (L.) Desf.]
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Nolina cismontana Dice
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found.

Nolina parryi S. Watson
Source of report: WIGG; expected in BC.
Reported for SJ & SSPM in n BC, but no specimens found.

Themidaceae

Bessera elegans Schult. f.
Source of report: specimen; expected in BCS.
A specimen deposited at MO from the SLL is likely a mis-ID of Behria tenaflora.

Brodiaea jolonensis Eastw.
Source of report: WIGG; expected in BC.
Reported for n BC, but no specimens found. Please note that southern CA specimens previously identified as this are now B. terrestris subsp. kermensis.

Brodiaea orcuttii (Greene) Baker
Source of report: WIGG; expected in BC.
Reported for the SJ in n BC, but no specimens found.

Typhaceae

Sparganium eurycarpum Engel. var. eurycarpum
Source of report: CFP list; expected in BC.
Reported for n BC, but no specimens found. Note historical specimens of this very rare species have not been determined to variety.

SOURCE ABBREVIATIONS FOR APPENDIX 1

CFP list Compiled plant list (unpublished) for the California Floristic Province (CFP) of the northwestern portion of the state of BC used by O’Brien et al. (in press) for the compilation of the rare plant inventory of nw BC.


Literature Specific literature sources cited in the Literature section of the introduction of this manuscript

Rebman Personal observations or knowledge by Jon P. Rebman in 2015

Specimen Herbarium specimens deposited in an accredited herbarium


*Note if any reported taxa in this appendix are known to have verifiable vouchers from the region, please contact us with the specimen information so that we can add it to the Checklist in future editions.
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KEY TO ABBREVIATIONS
Phytogeographic Regions Standard Order
(roughly north to south)

Californian
CSS Coastal Sage Scrub
CHA Chaparral
CMT California Mountains
CSU Coastal Succulent Scrub
PI Pacific Islands

Desert
LCD Lower Colorado Desert
CD Central Desert
VD Vizcaino Desert
GCD Gulf Coast Desert
GIG La Giganta Ranges
MAG Magdalena Plains

Tropical
CPL Cape Lowlands
CPM Cape Mountains

Directional Abbreviations
n north
s south
e east
w west

Note occasionally combinations of the above abbreviations are used for more specificity e.g., "nw BC" refers to the northwestern portion of the state of Baja California

Abbreviations of Geographical Regions used in the Annotated Notes

SJ Sierra de Juárez
SSPM Sierra de San Pedro Mártir
SASAM Sierra de La Asamblea
SBOR Sierra San Borja
SLIB Sierra de La Libertad
SSF Sierra de San Francisco
V3V Volcan Las Tres Vírgenes
SVIZ Sierra Vizcaín
SCLAR Sierra Santa Clara
VPEN Vizcaín Peninsula
SGUAD Sierra de Guadalupe
SGIG Sierra de La Giganta
SLL Sierra de La Laguna

Status, Rarity, and Listings

Status for taxa in the California Floristic Province of northwestern BC & adjacent Pacific islands follows O’Brien et al. (in press).

CFP Rarity Lists

List 2A: Plants that are rare in CFP Baja but are more common in the California Floristic Province and otherwise occur within the state of California.
List 2B: Plants that are rare in CFP Baja but are more common beyond the Baja Peninsula and/or beyond the state of California and the entire California Floristic Province.
List 3: Plants needing more information (taxonomic issues, unclear distribution records, etc.).
List 4: Plants that are rare but not currently threatened with extinction in CFP Baja.

CFP Endemism Lists

List 5: Plants that are endemic to CFP Baja.
List 6: Plants that are near-endemics of CFP Baja, but that extend north into the state of California.
List 7: Plants that are near-endemics of CFP Baja, but extend beyond the CFP into other portions of the Baja California peninsula and islands.
List 8: Plants that are near-endemics of CFP Baja that extend both north and south of CFP Baja into the state of California and into other portions of the Baja California peninsula and islands.
List 9: Plants that are present in CFP Baja, but their range extends further to the south and/or east in the peninsula, AND they are endemic to the Baja California peninsula (one or both states).
List 10: Plants that are present in CFP Baja, but their range extends beyond the Baja California peninsula to one or more of the Gulf of California islands. These plants are otherwise endemic to the Baja California peninsula (one or both states).


NOM P Mexican government, peligro de extinción
NOM A Mexican government, amenazada
NOM Pr Mexican government, protección especial

California Native Plant Society’s (CNPS) Rare Plant Inventory (2013) Listings

California Rare Plant Rank (CRPR)

1A Plants presumed extirpated in California and either rare or extinct elsewhere
1B Plants rare, threatened, or endangered in California and elsewhere
2A Plants presumed extirpated in California, but more common elsewhere
2B Plants rare, threatened, or endangered in California, but more common elsewhere
3 Plants about which more information is needed - a review list
4 Plants of limited distribution - a watch list

Threat Rank

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)