Channel Islands

National Park Service
U.S. Department of the Interior

Channel Islands National Park

Plant Checklist

Santa Cruz Island Ironwood
by Ellie Yun Hui Tu

Channel Islands National Park supports a diverse terrestrial flora, including many rare, relict, and endemic species, as well as many nonnative species. Numerous plants are rare on the islands but have a wider distribution on the mainland. On the other hand, due to environmental conditions and isolation from the mainland, many of the plants that are native on the California mainland do not grow here. A total of about 801 plant taxa, including species, subspecies, varieties, and forms, have been identified in the park, of which about 580 are native and 213 are alien or non-native. (Note: the discrepancy between the sum of native and non-native and the total sum is because for several species their native/non-native status is unkown.)

Each island supports a unique assemblage of vegetative communities, which differ due to climate, microhabitats, topography, geology, soils, plant colonization history, isolation, and land use history. Many of the islands' native vegetative communities have been greatly altered by people and the introduction of nonnative species and are in various stages of recovery. The major vegetative community types on the islands include coastal dune, coastal bluff, coastal sage scrub, grasslands, chaparral, island oak woodlands, mixed hardwood woodlands, pine stands, and riparian areas. Currently, the most extensive vegetation communities on the islands are grassland and coastal sage scrub with significant areas of chaparral on Santa Cruz Island, and to a lesser degree, on Santa Rosa Island. Various phases of coastal bluff scrub constitute the next largest category. Mixed broadleaf woodland stands, oak woodlands, and pine stands are scattered throughout on sheltered slopes and canyons, or on ridges exposed to frequent moist fogs. Smaller but no less significant vegetation communities include coastal dune, baccharis scrub, caliche scrub, and wetlands.

This checklist treats plants found on the five islands that comprise Channel Islands National Park. All plants known from these islands are listed alphabetically by family within related plant groups (i.e., ferns and their allies conifers, dicots, and monocots). For the most part, taxonomic nomenclature follows A Flora of Santa Cruz Island, The Jepson Manual: Higher Plants of California, and/or A Revised Flora of Santa Barbara Island. Hybrids of species [which tend to exhibit characteristics intermediate between those of the two parent forms (some hybrid oaks, for example)] have been intentionally omitted. Cultivated plants near buildings also have been excluded from the list. Park visitors are encouraged to record their observations, and to report any which add to, or differ from, this list. This will help to update our knowledge of island plants, and will be useful when revisions are made to this checklist.

The scientific name of each plant is followed by synonyms or misapplied names (in parentheses) and then by one of the more common names if any are known. Entries in the status column identify plants which have a limited distribution or are considered to be species of special environmental concern. Five additional columns indicate the known distribution of a plant within Channel Islands National Park. Occurrence on an island is indicated by a one-letter symbol for each island.

The symbol "~" indicates the former scientific name of the plant. Plants which have such a restricted distribution are referred to as island endemics. Plants found on only one island are called single island endemics and are indicated by "E" in the status column in the checklist. Plants that are known from more than one island are indicated by "E+" in the checklist.

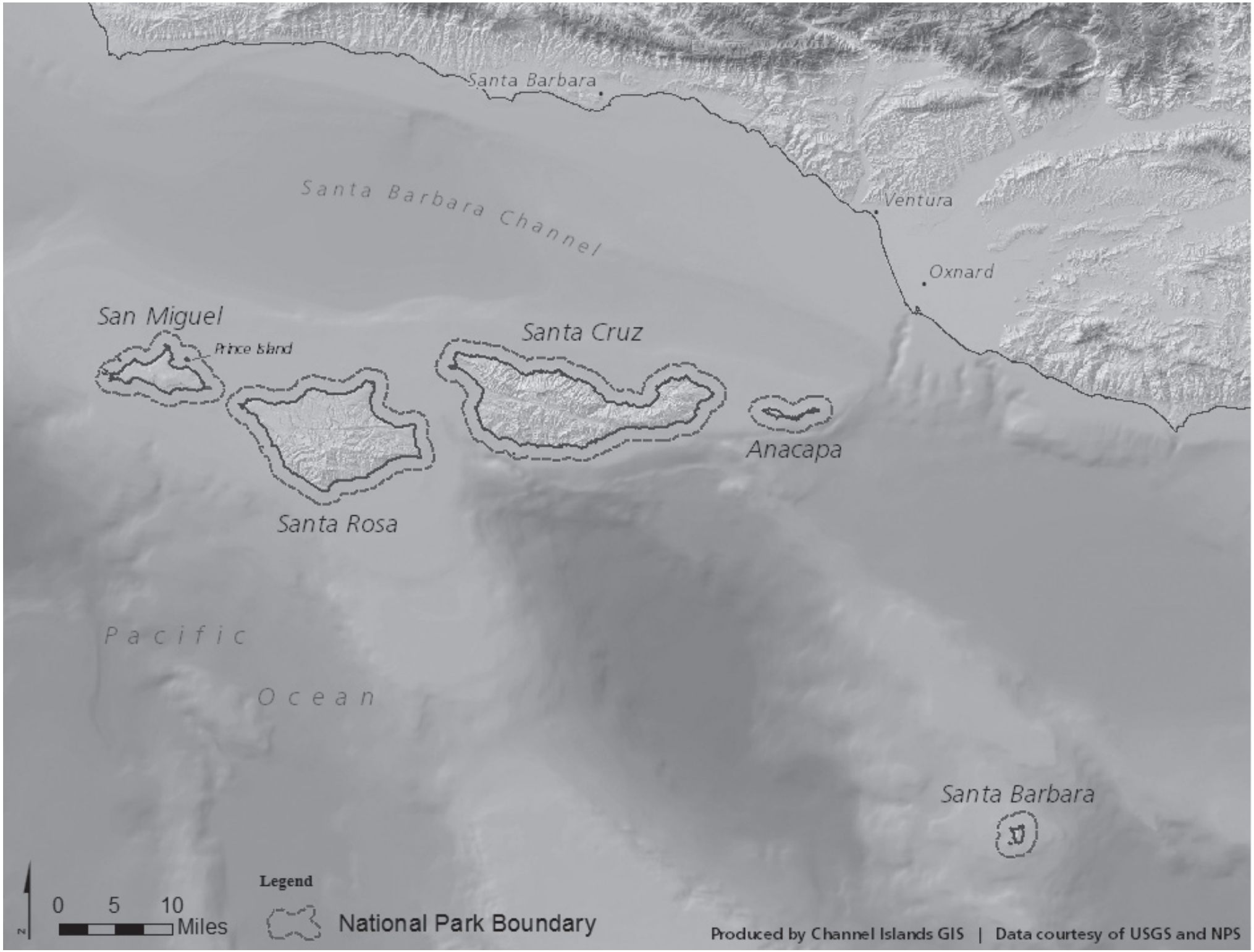
Plants on this checklist that are listed as endangered or threatened or are under consideration for listing by federal and/or state government (and therefore are protected under the Endangered Species Act of 1973 and/or the California Endangered Species Act of 1984) are identified in the checklist by "▲".

Plants that are considered rare or are of special environmental concern by the California Native Plant Society (CNPS) or the California Natural Diversity Database (CNDDB) are indicated by "■".

Each of the islands included in the park has experienced some degree of human settlement from the time of the Chumash Indians, through ranching operations, to management as a National Park. Human activities, especially in the past two hundred years, have altered the flora of the islands through the introduction of alien (non-native) plants and animals. This checklist identifies plants whose natural distribution, up to the time of European contact, did not include California. On this basis, they are assumed to be introduced to the islands, and are identified as alien or non-native species (noted by "*" next to the scientific name in the checklist). There are, in addition, plant species native to the California mainland that have been accidentally or deliberately introduced to the islands. These are indicated as alien "*" next to the symbol for the particular island for which this status is appropriate. These presumed introductions are determined on the basis of planting records, the lack of any early evidence for their presence, the fact that they occur primarily in disturbed habitats, and/or an island location which is a great distance outside of the species' normal range.

It is policy of Channel Islands National Park to maintain or restore lands under their stewardship toward conditions that prevailed before European settlement, where possible. Therefore, some alien plant species have been removed through alien weed control. These eradicated plants are indicated in the checklist by "!!".

Some native plants are known or assumed to have been extirpated on one or more islands through habitat disturbance by feral animals ranching or farming activities, or other disturbances. These extirpated plants are identified in the checklist by "!". However, recent re-discovery of several of these plants, upon removal of the sources of habitat disturbance, encourages us to continue to search for more. Under the protection and management of the National Park Service, scientists are studying ways to reduce the effects of alien animals and plants on native plant species, and to preserve the habitat of those plants identified by the federal and state governments, and public and private conservation agencies, as species of concern.


Santa Barbara
Santa Barbara Channel
Ventura
Oxnard
San Miguel
Prince Island
Santa Cruz
Anacapa
Santa Rosa
Pacific
Ocean
Santa Barbara
N
0 5 10
Miles
Legend
National Park Boundary
Produced by Channel Islands GIS | Data courtesy of USGS and NPS

Legend

E…….species is endemic to only one island

E+…..species is endemic to several of the California Channel Islands

*…….alien plant, accidentally or deliberately introduced since European contact

!.....presumed extirpated

!!.....eradicated deliberately as weed control

▲.....species with federal or stated protected status

■.....rare species, without legal status

?.....questionable identity or locale

~……synonym or misapplied name

	Special Status	San Miguel	Santa Rosa	Santa Cruz	Anacapa	Santa Barbara
FERNS AND FERN ALLIES						
Blechnaceae (Chain Fern Family)						
Woodwardia fimbriata giant chain fern			R	C		
Dennstaedtiaceae (Bracken Fern Family)						
Pteridium aquilinum v. *pubescens* Western bracken fern			R	C		
Dryopteridaceae (Wood Fern Family)						
Athyrium felix-femina v. *cyclosorum* Western lady fern			R?	C		
Cystopteris fragilis fragile fern				C		
Dryopteris arguta wood fern		M	R	C	A	
Polystichum munitum western sword fern			R	C		
Equisetaceae (Horsetail Family)						
Equisetum hyemale s. *affine* scouring rush			R	C		
Equisetum laevigatum smooth scouring rush			R	C		
Equisetum telmateia s. *braunii* giant horsetail				C		
Polypodiaceae (Polypody Family)						
Polypodium californicum California polypody			R	C	A	B
Polypodium scouleri leather-leaf fern:				C		

Coast polypody						
Pterdidaceae (Maiden Hair Family)						
Adiantum aleuticum (~A. pedatum s. aleuticum) Five-finger maidenhair				C		
Adiantum capillus-veneris Southern maidenhair			R	C	A	
Adiantum jordanii California Maidenhair		M	R	C	A	
Aspidotis californica California lace fern				C		
Cheilanthes clevelandii Cleveland's lip fern			R	C		
Cheilanthes cooperae Mrs. Cooper's lip fern				C		
Pellaea andromedifolia coffee fern		M	R	C	A	
Pellaea mucronata v. mucronata bird's foot fern			R	C		
Pentagramma triangularis s. *triangularis* (~*Pityrogramma t*. v. *t*.) gold-back fern		M	R	C	A	
Pentagramma triangularis s. *viscosa* (~*Pityrogramma t*.v.*v*.) silver-back fern			R	C		
Selaginellaceae (Spike-Moss Family)						
Selaginella bigelovii bushy spike-moss			R	C	A	

CONIFERS						
Cupressaceae (Cypress Family)						
Cupressus macrocarpa Monterey cypress			R*	C*	A*!	
Pinaceae (Pine Family)						
Pinus muricata forma *muricata* Bishop pine			R	C		
Pinus murcata forma *remorata* Santa Cruz Island Pine			R	C		
**Pinus pinea* Italian stone pine				C		
Pinus radiata Monterey pine		M*!!				
Pinus torreyana s. *insularis* Santa Rosa Island Torrey pine	E■		R			

DICOTYLEDONOUS FLOWERING PLANTS						
Aceraceae (Maple Family)						
Acer macrophyllum bigleaf maple				C		
Adoxaceae (Adoxa Family)						
Sambuscus mexicana elderberry			R	C		
Aizoaceae (Iceplant family)						
**Carpobrotus chilensis* (~*C. aequilaterus*) Sea-fig		M	R	C	A	B
**Carpobrotus edulis* hottentot-fig			R	C	A	
**Malephora crocea*					A	
**Mesembryanthemum crystallinum*		M	R	C	A	B

Crystalline iceplant						
**Mesembryanthemum nodiflorum* Small-flowered iceplant		M	R	C	A	B
**Tetragonia tetragonioides* New Zealand spinach		M	R	C	A	
Amaranthaceae (Amaranth Family)						
**Amaranthus albus* tumbleweed			R	C	A	
Amaranthus blitoides prostrate pigweed			R	C		
**Amaranthus deflexus* low amaranth				C		
Amaranthus powellii				C	A	
Anacardiaceae (Sumac Family)						
Rhus integrifolia lemonade berry		M	R	C	A	
Rhus ovata sugar bush				C		
**Schinus molle* Peruvian pepper tree			R	C		
Toxicodendron diversilobum poison oak		M	R	C	A	
Apiaceae (Celery or Carrot Family)						
Apiastrum angusifolium wild celery		M	R	C	A	B
**Apium graveolens* celery			R	C		
Berula erecta cut-leaved water parsnip		M		C		
Bowlesia incana bowlesia			R	C		
**Conium maculatum* poison hemlock				C		
Daucus pusillus rattlesnake weed		M	R	C	A	B
**Foeniculum vulgare* sweet fennel		M	R	C		
Lomatium caruifolium caraway-leaf lomatium		M	R	C		
Sanicula arguta sharp-toothed snakeroot		M	R	C	A	
Sanicula hoffmannii Hoffmann's snakeroot	■		R!?	C		
**Torilis arvensis*			R	C		
**Torilis nodosa* knotted hedge-parsley		M	R	C		
Yabea microcarpa (~*Caucalis m.*) California hedge-parsley				C		
Apocynaceae (Dogbane Family)						
**Vinca major* periwinkle				C		
Asclepiadaceae (Milkweed family)						
Asclepias fascicularis narrowleaf milkweed			R	C		
Asteraceae (Sunflower Family)						
Achillea millefolium yarrow		M	R	C	A	B
Achyrachaena mollis blow-wives			R	C		
Acourtia microcephala (~*Perezia m.*) Sacapellote			R	C		
Agoseris apargioides v. *apargioides* Seaside-dandelion			R			
Agoseris grandiflora Large-flowered mountain-dandelion		M	R	C		
Agoseris heterophylla mountain-dandelion			R			
Amblyopappus pusillus pineapple weed		M	R	C	A	B
Ambrosia acanthicarpa annual burweed					A*!!	

Ambrosia chamissonis beachbur; Silver beach-weed		M	R	C	A	
Ambrosia psilostachya (~*A. p.* v. *californica*) Western ragweed		M*?	R*?			
**Anthemis cotula* mayweed			R	C		
**Arctium* sp. Burdock			R			
Artemisia californica coastal sagebrush		M	R	C	A	B
Artemisia douglasiana mugwort			R	C		
Artemisia nesiotica (~*A. c. v. insularis*) Island sagebrush	E+					B
Aster chilensis common California aster			R	C		
Aster radulinus rough-leaved aster			R	C		
Aster subulatus v. *ligulatus* (~*A. exilis*) Slim aster			R	C		
Baccharis douglasii sticky baccharis		M	R	C		
Baccharis emoryi Emory's baccharis						B
Baccharis pilularis (~*B. p. s. consanguinea*) Coyote brush		M	R	C	A	B
Baccharis plummerae s. *plummerae* Plummer's baccharis				C	A	
Baccharis salicifolia (~*B. glutinosa*) mulefat; Seep-willow		M	R	C	A	
Blennosperma nanum. v. *nanum*				C		
Brickellia californica California boneset				C	A	
**Carduus pycnocephalus* Italian thistle		M	R			
Centaurea melitensis tocalote		M	R	C	A	B!
**Centaurea solstitialis* yellow star-thistle				C		
Chaenactis glabriuscula v. *lanosa* Pincushion flower			R			
**Chamomilla suaveolens* (~*Matricaria matricarioides*) Pineapple weed			R	C	A	
Chrysanthemum coronarium Garland chrysanthemum				C		
**Cichorium intybus* chicory				C		
Cirsium brevistylum Indian thisle				C		
Cirsium occidentale v. *californicum* (~*C. californicum*) California thistle			R	C		
Cirsium occidentale v. *occidentale* Cobwebby thistle		M	R	C		
Cirsium occidentale v. *venustum* (~C. proteanum) red thistle			R			
**Cirsium ochrocentrum* Beaumont thistle			R!!?			
**Cirsium vulgare* bull thistle		M	R	C		
**Cnicus benedictus* blessed thistle				C		
**Conyza bonarienis* flax-leaved fleabane		M	R	C	A	B
*? *Conyza Canadensis* horseweed		M	R	C	A	B
Conyza coulteri Coulter's conyza		M				B

Coreopsis gigantean giant coreopsis		M	R	C	A	B
**Cotula australis* Australian brass buttons			R	C	A	B
**Cotula coronopifolia* brass buttons		M	R	C	A	
**Delairea odorata* Cape Ivy			R	C!!	A	
Encelia californica bush sunflower			R?	C	A	B
**Erchtites glomerata* (~*E. arguta*) Australasian fireweed		M		C		
Ericameria ericoides (~*Haplopappus e.*) Mock heather		M!				
Ericameria sp.				C		
Erigeron foliosus v. *foliosus* fleabane		M	R	C		
Erigeron foliosus v. *stenophyllus* fleabane				C	A	
Erigeron glaucus seaside daisy		M	R	C	A	
Erigeron sanctarum saint's daisy	■		R	C		
Eriophyllum confertiflorum v. *confertiflorum* Golden yarrow		M	R	C	A	
Eriophyllum nevinii silver lace	E+■					B
Eriophyllum staechadifolium seaside woolly sunflower		M	R	C	A	
Euthamia occidentalis (~*Soldago o.*) Western goldenrod					A	
Filago arizonica						**B**
Filago californica California filago		M	R	C	A	B
**Filago gallica* (~*Logfia gallica*) Narrow-leaved filago			R	C		
Gnaphalium bicolor bicolored everlasting		M	R	C	A	B
Gnaphalium californicum green everlasting		M	R	C	A	B
Gnaphalium canescens s. *beneolens* (~*G. beneolens*) Fragrant everlasting			R	C		
Gnaphalium canescens s. *microcephalum* (~*G. microcephalum*) white everlasting			R	C	A	B
**Gnaphalium luteo-album* weedy cudweed		M	R	C	A	B
Gnaphalium palustre lowland cudweed				C		
Gnaphalium purpureum purple cudweed		M	R	C	A	
Gnaphalium ramosissimum pink everlasting				C		
Gnaphalium stramineum (~*G. chilense*) Cotton-batting		M	R	C	A	
Grindelia camporum v. *bracteosum* gumplant			R	C	A	
Grindelia hirsutula v. *hirsutula*			R			
Grindelia stricta v. *platyphylla*		M!	R	C	A	
Hazardia deonsa (~*Haplopappus d.*) Northern island hazardia	E+■		R	C	A	
Hazardia squarrosa v. *grindelioides* (~Haploppus s. v. g.) saw-toothed goldenbush		M	R	C	A	
*Hedypnois cretica!!						B!!
Helianthus annuus (~*H. a. s. lenticularis*) Common sunflower				C	A	

Helichrysmum petiolare Licore plant			R	C		
Hemizonia clementina island tarweed	E+■			C	A	B
Hemizonia fasciculata common tarweed			R	C	A	B
Hemizonia fitchii spikeweed				C*		
Hemizonia increscens s. *increscens* tarweed			R	C		
Hesperevax sparsiflora (~*Evax s*.)			R			
Heterotheca grandiflora telegraph weed			R*?	C*?		
Hieracium argutum hawkweed			R	C		
**Hypochaeris glabra* smooth cat's ear			R	C	A	
Isocoma menziesii v. *sedoides* (~*Haplopappus v*. v. *s*.) Prostrate coastal goldenbrush		M	R	C	A	
Isocoma menziesii v. *vernonioides* (~*Haplopappus v*. v. *v*.) coastal goldenbush		M	R	C	A	
Jaumea carnosa		M	R	C		
**Lactuca saligna* willow lettuce		M	R	C		
**Lactuca serriola* prickly lettuce		M	R	C	A	
Lasthenia californica (~L. *chrysostoma*) Goldfields		M	R	C	A	B
Lasthenia glabrata s. *coulteri* Coulter's goldfields	■		R			
Layia platyglossa tidytips		M	R	C		
Lepidospartum squamatum scale broom				C		
Lessingia filaginifolia v. *filaginifolia* (~*Corethrogyne f*.) cudweed-aster		M	R	C	A	
Lessingia filaginifolia v. *viscidula* (~*Corethrogyne f*. *v*. *viscidula*)				C		
Madia exigua thread-stem tarweed				C		
Madia gracilis (~*M*. *g*. *s*. *gracilis*) slender tarweed				C		
Madia sativa coast tarweed				C		
Malacothrix clevelandii Cleveland's chicory			R			
Malacothrix coulteri (~*M*. *c*. *v*. *cognate*) Snake's head			R	C		
Malacothrix foliosa s. *cripsifolia* (Davis ined.) Anacapa Island chicory	E■				A	
Malacothrix foliosa s. *philbrickii* (Davis ined.) Santa Barbara Island chicory						B
Philbrick's island chicory	E■					B
Malacothrix incana dune malacothrix; Dunedelion		M	R	C!		
Malacothrix indecora Santa Cruz Island chicory	E+▲	M	R	C		
Malacothrix junakii (Davis ined.) Junak's island chicory	E				A	
Malacothrix saxatilis v. *implicate cliff-aster*	E+	M	R	C	A	
Malacothrix similis	E+	M		C		
Malacothrix squalida island malacothrix	E+▲			C	A	

Micropus californicus v. *californicus* Slender cottonweed			R	C		
Microseris douglasii s. *tenella*		M	R	C		
Microseris elegans		M		C		
**Osteospermum fruticosum*				C!!		
Perityle emoryi Emory's rock daisy			R	C	A	B
**Picris echioides* bristly ox-tongue				C		
Pluchea odorata (~*P. purpurascens*) Salt marsh fleabane				C		
Psilocarphus tenellus v. *tenellus slender* Woolly-heads			R	C		
Rafinesquia californica California chicory			R	C	A	B
Senecio aphanactis California groundsel; Rayless ragwort	■		R	C		
Senecio flaccidus v. *douglasii* (~*Senecio doughlasii s.d.*) Bush groundsel				C		
**Senecio mikanioides* German-ivy			R	C!!		
**Senecio vulgaris* common groundsel		M	R	C	A	
**Silybum marianum* milk thistle			R	C	A!!	B!!
Solidago californica California goldenrod			R	C		
**Sonchus asper* prickly sow-thistle		M	R	C	A	
**Sonchus oleraceus* common sow-thistle		M	R	C	A	B
**Sonchus tenerrimus* slender sow-thistle						B
Stebbinsoseris heterocarpa (~*Microseris h.*)			R	C	A	
Stephanomeria cichoriacea Tejon milk-aster			R	C		
Stephanomeria diegensis San Diego milk-aster			R	C		
Stephanomeria exigua s. *coronaria* milk-aster		M	R	C		
Stephanomeria virgata s. *virgata* tall milk-aster			R	C		
Stylocline gnaphaloides everlasting nest-straw			R	C		
**Taraxacum officinale* (~*T. laevigatum*) Common dandelion			R	C		
**Taragopogon porrifolius* salsify; oyster plant				C		
Uropappus lindleyi (~*Microseris l.*, *M. linearifolia*) Silver puffs		M	R	C	A	B
Urospermum picroides				C		
Venegasia carpesioides canyon sunflower			R	C		
**Xanthium spinosum* spiny clotbur		M	R	C		B!
*?*Xanthium strumarium* cocklebur				C		
Berberidaceae (Barberry Family)						
Berberis pinnata s. *insularis* (~*Mahonia p.* s. *i.*) Island barberry	E+▲		R!?	C	A!?	
Boraginaceae (Borage Family)						
Amsinckia meziesii v. *intermedia* (~*A. i.*) Common fiddleneck		M	R	C	A	B
Amsinckia menziesii v. *menziesii* Small-flowered fiddleneck		M?		C	A	

Amsinckia spectabilis v. *spectabilis* (~*A. s.*) Seaside fiddleneck		M	R	C	A	B
Cryptantha clevelandii common cryptantha		M	R	C	A	B
Cryptantha leiocarpa coast cryptantha		M?	R			
Cryptantha maritima v. *maritima* Guadalupe Island cryptantha						B
Cryptantha micromeres Small-flowered cryptantha			R	C		
Cryptantha muricata (~*C. m.* v. *jonesii*) Prickly cryptantha				C		
Heliotropium curassavicum (~*H. c.* v. *oculatum*) Heliotrope		M	R	C	A	
Pectocarya linearis s. ferocula slender comb-seed			R	C	A	
Pectocarya penicillata winged comb-seed				C		
Plagiobothrys acanthocarpus Adobe popcorn flower				C		
Plagiobothrys canescens Valley popcorn flower			R	C	A	
Plagiobothrys collinus v. *gracilis* (~*P. californicus* v. *g.*) California popcorn flower		M		C	A	
Brassicaceae (Mustard Family)						
Arabis glabra tower mustard				C!?		
Arabis hoffmannii Hoffmann's rock cress	E+▲		R	C		
Athysanus pusillus				C		
**Brassica nigra* black mustard		M	R	C	A	B!!
**Brassica rapa* (~B. campestris) field mustard		M	R	C		
**Cakile edentula* sea rocket		M	R			
**Cakile maritima* sea rock		M	R	C	A	
**Capesella bursa-pastoris* shepherd's purse		M	R	C		
Cardamine californica v. *californica* Milk maids		M	R	C	A	
Cardamine oligosperma bitter cress				C		
**Cardaria draba* hoary cress			R	C		
Descurainia pinnata s. *menziesii* Tansy mustard			R	C	A	
Dithyrea maritima beach spectacle pod	■	M				
Draba cuneifolia v. *integrifolia*				C		
Erysimum ammophilum coast wallflower	■	M	R			
Erysimum insulare island wallflower	E+■	M	R	C	A	
Guillenia lasiophylla (~*Caulanthus l.*) California mustard		M	R	C	A	B
**Hirschfeldia incana* (~*Brassica geniculate*) Short-podded mustard		M	R	C		
Hutchinsia procumbens		M	R	C	A	B
Lepidium latipes v. latipes dwarf peppergrass				C		
Lepidium nitidum v. *nitidum*		M	R	C	A	B

Shining peppergrass						
Lepidium oblongum v. *insulare* lentejilla		M	R	C	A	
Lepidium virginicum v. *robinsonii* Robinson's peppergrass	■			C		
**Lobularia maritima* sweet alyssum		M				
**Raphanus raphanistrum* jointed charlock			R	C		
**Raphanus sativus* wild radish		M	R	C		
*?*Rorippa nasturtium-aquaticum* (~*Nasturtium officinale*) water cress				C		
Sibara filifolia island rock cress	E+▲			C!?		
**Sinapis arvenis* (~Brassica kaber) charlock				C		
**Sisymbrium irio* London rocket					A	
**Sisymbrium officinale* hedge mustard		M		C		
**Sisymbrium orientale*					A	
Thysanocarpus conchuliferus Santa Cruz Island lace pod	E▲			C		
Thysanocarpus curvipes hairy lace pod				C		
Thysanocarpus laciniatus (~*T. l* . v. *ramosus*) Narrow-leaved lace pod			R	C		
Cactaceae (Cactus Family)						
**Opuntia ficus-indica* mission cactus				C	A	
Opuntia littoralis v. *littoralis* Coastal prickly pear		M	R	C	A	B
Opuntia oricola tall prickly pear		M	R	C	A	B
Opuntia prolifera coastal cholla			R	C	A	B
Campanulaceae (Bellflower Family)						
Githopsis diffusa s. *diffusa* southern blue-cup				C		
Triodanis biflora Venus' looking glass			R	C		
Capparaceae (Caper Family)						
Isomeris arborea (~*Cleome isomeris*) bladderpod			R			
Caprifoliaceae (Honeysuckle Family)						
Lonicera hispidula v. *vacillans* California honeysuckle			R	C		
Lonicera interrupta				C		
Lonicera subspicata chaparral honeysuckle			R?	C		
Symphoricarpos mollis creeping snowberry			R	C		
Caryophyllaceae (Pink Family)						
Cardionema ramosissimum sandmat		M	R	C		
**Cerastium glomeratum* Mouse-eared chickweed		M	R	C	A	
**Herniaria hirsute* s. *cinerea*		M	R			B
Minuartia douglasii (~*Arenaria d*.) Douglas' sandwort			R	C		
Polycarpon depressum California polycarpon		M		C		
**Polycarpon tetraphyllum* four-leaved all-seed		M	R	C	A	
Sagina apetala dwarf pearlwort		M	R	C		

Sagina decumbens s. *occidentalis* Western pearlwort		M	R	C		
Silene antirrhina sleepy catchfly		M	R	C		
*Silene gallica windmill pink		M	R	C	A	B
Silene laciniata s. *major* Indian Pink		M	R	C	A	
Silene multinervia				C		
**Spergula arvensis* s. *arvensis* corn-spurrey; Starwort			R			
**Spergularia bocconii* sand spurrey				C	A	B
Spergularia macrotheca s. *macrotheca* Sand spurrey		M	R	C	A	B
Spergularia marina salt marsh sand spurrey			R	C	A	B
**Spergularia villosa* hairy sand spurrey			R			
**Stellaria media* common chickweed		M	R	C	A	
Stellaria nitens shining chickweed			R	C		
Chenopodiaceae (Goosefoot Family)						
Aphanisma blitoides aphanisma	■		R	C	A	B
Atriplex argentea s. *expansa* silverscale			R	C		
Atriplex coulteri California saltbush		M	R	C	A	B
Atriplex coulteri Coulter's saltscale	■	M	R	C	A	
Atriplex lentiformis s. *breweri* Brewer's saltbush				C	A	
Atriplex leucophylla seascale		M	R	C	A	
Atriplex pacifica south coast saltscale	■		R	C	A	B
**Atriplex semibaccata* Australian saltbush		M	R	C	A	B
Atriplex serenana v. *davidonii* Davidson's bractscale			R	C		
**Atriplex triangularis* (~*A. patula* s. *hastate*) Spear-leaved saltbush		M		C		
Atriplex watsonii matscale		M	R	C	A	
**Beta vulgaris* beet		M	R	C	A	
**Chenopodium ambrosioides* Mexican tea; epazote			R	C		
Chenopodium berlandieri (~*C.b.* v. *sinuatum*) Pitted goosefoot			R	C	A	
Chenopodium californicum soaproot		M	R	C	A	B
**Chenopodium multifidium* cutleaf goosefoot			R			
**Chenopodium murale* nettle-leaf goosefoot		M	R	C	A	B
Monolepis nuttalliana		M	R	C		B
Salicornia subterminalis (~*Arthrocnemum s.*) Parish's glasswort		M	R	C		
Salicornia virginica pickleweed		M	R	C	A	
**Salsola tragus* (~*S. iberica*) Russian-thistle; Tumbleweed			R	C		
Suaeda taxifolia (~*S. californica* v. *pubescens*) sea blite	■	M	R	C	A	B

Cistaceae (Rockrose Family)						
Helianthemum greenei island rushrose	E+▲	M!	R!?	C		
Helianthemum scoparium rushrose			R	C		
Convolvulaceae (Morning Glory Family)						
Calystegia macrostegia s. *amplissima* Southern island morning glory	E+■					B
Calystegia macrostegia s. *macrostegia* Northern island morning glory	E+	M	R	C	A	
Calystegia soldanella beach morning glory		M	R	C		
**Convolvulus arvensis* bindweed			R	C		
Convolvulus equitans (~*C. simulans*)				C		
Cressa truxillensis alkali weed		M	R	C	A	
Dichondra occidentalis western dichondra	■	M	R	C		
Crassulaceae (Stonecrop Family)						
Crassula connate (~*Tillea erecta*) Pygmy weed		M	R	C	A	B
Dudleya blochmaniae s. *insularis* Santa Rosa Island live-forever	E■		R			
Dudleya caespitosa sand-lettuce					A	
Dudleya candelabrum candleholder dudleya	E+■	M	R	C		
Dudleya greenei Greene's dudleya	E+■	M	R	C		
Dudleya gnoma (McCabe ined.) East Point dwarf dudleya	E■		R			
Dudleya nesiotica Santa Cruz Island live-forever	E▲			C		
Dudleya traskiae Santa Barbara Island live-forever	E▲					B
Cucurbitaceae (Cucumber or Gourd Family)						
Cucurbita foetidissima calabazilla				C*?		
Marah fabaceus California man-root				C		
Marah macrocarpus v. *major* wild-cucumber	E+?	M	R	C	A	B
Cuscutaceae (Dodder Family)						
Cuscuta californica California dodder			R			
Cuscuta pentagona (~*C. campestris*) Western filed dodder		M				
Cuscuta salina v. *major* salt marsh dodder			R	C	A	
Cuscuta subinclusa (~*C. ceanothi*) Canyon dodder				C		
Ericaceae (Heather Family)						
Arbutus menziesii madrone				C		
Arctostaphylos confertiflora Santa Rosa Island manzanita	E▲		R			
Arctostaphylos insularis Santa Cruz Island manzanita	E			C		

Arctostaphylos tomentosa s. *insulicola* Island manzanita	E+■		R	C		
Artostaphylos tomentosa s. *subcordata* Subcordate manzanita	■		R	C		
Arctostaphylos viridissima McMinn's manzanita	E■			C		
Comarostaphylis diversifolia s. *planifolia* Summer-holly	E+		R	C	A	
Vaccinium ovatum California huckleberry			R	C		
Euphorbiaceae (Spurge Family)						
**Chamaesyce maculata* spotted spurge				C	A?	B?
Eremocarpus setigerus dove weed			R	C		
Euphoriba sp.				C		
Euphorbia misera cliff spurge	■			C		
**Euphorbia peplus* petty spurge			R	C		
**Ricinus communis* castor bean				C!!		
Stillingia linearifolia				C		
Fabaceae (Pea Family)						
**Acacia dealbata*				C		
**Acacia melanoxylon* blackwood acacia				C		
**Albizia lophantha* (~*A. distachya*) plume acacia				C		
Astragalus curtipes San Luis Obispo milkvetch		M	R			
Astragalus didymocarpus v. *didymocarpus* Common dwarf locoweed		M	R	C	A	
Astragalus gambelianus Gambel's dwarf locoweed				C		
Astragalus miguelensis San Miguel Island locoweed	E+■	M	R	C	A	
Astragalus traskiae Trask's locoweed	E+▲					B
Astragalus trichopodus s. *lonchus* (~A. t. s. leucopsis) southern California locoweed			R	C	A	
Lathyrus vestitus v. *vestitus* (~*L. laeiflorus* s. *barbarae*) Wild sweet pea			R	C	A	
Lotus argophyllus s. *niveus* Santa Cruz Island silver lotus	E▲			C		
Lotus argophyllus s. *ornithopus* silver lotus	E+					B
**Lotus corniculatus* bird's foot trefoil				C		
Lotus dendroideus v. *dendroideus* Island deerweed	E+■		R	C	A	
Lotus dendroideus v. *veatchii* San Miguel Island deerweed	E■	M				
Lotus grandiflorus v. *grandiforus* Chaparral lotus			R	C		
Lotus hamatus small-flowered lotus			R	C		

Lotus micranthus San Diego lotus				C		
Lotus purshianus v. *purshianus* Spanish clover				C		
Lotus salsuginosus v. *salsuginosus* Coastal lotus		M	R	C	A	
Lotus strigosus bishop's lotus		M	R	C	A	
Lotus wrangelianus (~*L. subpinnatus*)		M	R	C	A	
Lupinus albifrons v. *douglasii* silver lupine		M	R	C	A	
Lupinus arboreus coastal bush lupine		M	R	C?		
Lupinus bicolor dove lupine		M	R	C	A	
Lupinus chamissonis dune lupine		M	R?			
Lupinus concinnus (~*L. agardhianus*) Bajada lupine			R	C		
Lupinus hirsutissimmus stinging lupine			R	C		
Lupinus microcarpus small-seeded lupine		M?	R	C		
Lupinus succulentus succulent lupine		M	R	C	A	
Lupinus truncates truncate lupine			R	C	A	
Lupinus variicolor		M				
**Medicago polymorpha* (~*M. denticulate*) Bur-clover		M	R	C	A	B
**Medicago sativa* alfalfa		M	R	C	A	
**Melilotus albus* white sweet-clover				C	A	
**Melilotus indicus* yellow sweet-clover		M	R	C	A	B
Pickeringia montana v. *montana* chaparral pea				C		
**Pisum sativum* garden pea				C		
**Robinia pseudoacacia* black locust				C		
Trifolium albopurpureum rancheira clover			R	C		
Trifolium barbigerum bearded clover		M	R			
Trifolium ciliolatum tree clover			R	C		
Trifolium depauperatum v. *truncatum* (~*T. amplectens* v. *t.*) dwarf bladder clover		M	R	C	A	
Trifolium fucatum bull clover		M	R	C	A	
Trifolium gracilentum pinpoint clover		M	R	C	A	B
Trifolium macraei Chilean clover			R	C		
Trifolium microcephalum small-headed clover		M	R	C	A	
Trifolium palmeri southern island clover	E+■				A	B
Trifolium variegatum				C		
Trifolium willdenovii (~*T. tridentatum*) Tomcat clover		M	R	C	A	B
Vicia Americana American vetch		M	R	C		
**Vicia benghalensis* purple vetch				C	A	
Vicia hassei Hasse's vetch		M	R	C	A	
Vicia ludoviciana v. *ludoviciana* (~V. exigua)			R	C	A	

Slender vetch						
**Vicia sativa* s. *nigra* narrow –leaved vetch			R			
**Vicia sativa* s. *sativa* spring vetch			R	C	A	
Fagaceae (Oak Family)						
Quercus agrifolia v. *agrifolia* coast live oak			R	C		
Quercus chrysolepis canyon live oak				C	A	
Quercus douglasii blue oak				C		
Quercus dumosa Nuttall's scrub oak	■			C!?		
Quercus engelmannii Engelmann oak	■		R			
Quercus kelloggii California black oak				C		
Quercus lobate valley oak			R	C		
Quercus x *macdonaldii* MacDonald oak			R	C		
Quercus pacifica (~*Q. dumosa* v. *polycarpa*) Island scrub oak	E+		R	C		
Quercus parvula v. *parvula* Santa Cruz Island oak	■			C		
Quercus tomentella island oak	E+		R	C	A	
Frankeniaceae (Frankenia Family)						
Frankenia salina (~*F. grandifolia*) Alkali-heath; yerba reuma		M	R	C	A	
Garryaceae (Silk-Tassel Family)						
Garrya veatchii silk-tassel				C		
Gentianaceae (Gentian Family)						
Centaurium davyi centaury			R	C		
Geraniaceae (Geranium Family)						
**Erodium botrys* broad-leaf filaree			R	C		
Erodium brachycarpum (~*E. obtusiplicatum*)			R			
**Erodium cicutarium* redstem filaree		M	R	C	A	B
Erodium macrophyllum big-leaved filaree				C!?		
**Erodium moschatum* whitestem filaree		M	R	C	A	B
Erodium texanum						
Geranium carolinianum Carolina cranesbill			R	C		
**Geranium dissectum* cutleaf geranium			R			
**Pelargonium* x *hortorum* geranium			R	C		
Grossulariaceae (Currant or Gooseberry Family)						
Ribes malvaceum v. *malvaceum* Chaparral currant			R	C	A	
Ribes thacherianum Santa Cruz Island Gooseberry	E■			C		
Hydrophyllaceae (Waterleaf Family)						
Emmenanthe penduliflora v. *penduliflora* Whispering bells				C		

Eucrypta chrysanthemifolia v. *chrysanthemifolia*		M	R	C	A	B
Nemophila pedunculata		M	R	C		
Phacelia cicutaria v. *hispida* Caterpillar phacelia			R	C	A	
Phacelia cicutaria v. *hubbyi*				C		
Phacelia distans wild heliotrope		M	R	C	A	B
Phacelia grandiflora large-flowered phacelia			R?			
Phacelia insularis v. *insularis* Northern island phacelia	E+▲	M	R			
Phacelia ramosissima v. *austrolitoralis*			R	C		
Phacelia ramosissima v. *montereyensis*		M	R			
Phacelia viscida sticky phacelia		M	R	C	A	
Pholistoma auritum v. *auritum* fiesta flower				C		B
Pholistoma racemosum white fiesta flower				C		B
Juglandaceae (Walnut Family)						
**Juglans regia* English walnut				C		
Lamiaceae (Mint Family)						
**Lamium amplexicaule* henbit; dead-nettle				C		
Lepechinia fragrans fragrant pitcher-sage	■		R	C		
**Marrubium vulgare* horehound		M	R	C		
**Mentha spicata* spearmint				C		
Salvia brandegeei Brandegee's sage	■		R			
Salvia columbariae chia			R	C		
Salvia leucophylla purple sage				C		
Salvia mellifera black sage				C	A	
Satureja douglasii yerba buena				C		
Scutellaria tuberosa skullcap			R	C		
Stachys ajugoides		M				
Stachys bullata wood-mint			R	C	A	
Losaceae (Stick-Leaf or Blazing Star Family)						
Mentzelia affinis hydra stick-leaf				C		
Mentzelia micrantha small-flowered stickleaf				C		
Lythraceae (Loosestrife Family)						
Lythrum californicum California loosestrife				C		
**Lythrum hyssopifolium* common loosestrife			R	C		
Malvaceae (Mallow Family)						
**Alcea rosea* (~*Althaea r.*) hollyhock				C		
Eremalche exilis (~*Malvastrum exile*) White mallow				C		
Lavatera assurgentiflora s. *assurgentiflora* Northern island tree mallow	E+■	M	R*?	C*	A	
Lavatera assurgentiflora s. *glabra*	E+■			C*		

Southern island tree mallow						
**Lavatera cretica*			R		A	
Malacothamnus fasciculatus v. *nesioticus* Santa Cruz Island bush mallow	E▲			C		
*Mal*va nicaeensis* bull mallow			R	C		
**Malva parvilflora cheeseweed*		M	R	C	A	B
Malvella leprosa (~*Sida l.*) alkali mallow	■		R			
Sidalcea malviflora s. *malviflora* Checker bloom		M	R	C		
Moraceae (Mulberry Family)						
**Cannabis sativa* marijuana				C!!		B!!
**Ficus carica* common fig		M		C		
Myoporaceae (Myoporum Family)						
**Myoporum laetum* myoporum				C!!		
Myrtaceae (Myrtle Family)						
**Eucalyptus camaldulensis* river red gum			R	C		
**Eucalyptus globulus* blue gum			R	C	A	B!
**Eucalyptus sideroxylon* red iron bark				C		
**Eucalyptus tereticornis* forest red gum			R	C		
Nyctaginaceae (Four-o' clock Family)						
Abronia latifolia yellow sand-verbena		M!				
Abronia maritima sticky sand-verbena	■	M	R	C	A	
Abronia umbellate beach sand-verbena		M	R	C		
Mirabilis californica wishbone bush			R	C	A	B
Oleaceae (Olive Family)						
**Olea europaea* olive				C	A	B!!
Onagraceae (Evening Primrose Family)						
Camissonia californica			R	C		
Camissonia cheiranthifolia s. *cheiranthifolia* Beach primrose		M	R	C		B!
Camissonia hirtella				C		
Camissonia ignota			R	C		
Camissonia intermedia		M		C		
Camissonia micrantha small evening primrose		M	R	C	A	
Camissonia robusta		M		C		
Camissonia strigulosa			R			
Clarkia davyi			R			
Clarkia epilobioides			R	C	A	
Clarkia prostrata			R			
Clarkia purpurea s. *quadrivulnera* Purple godetia			R	C		
Clarkia unguiculata elegant clarkia				C		

Epilobium brachycarpum (~*E. paniculatum*)				C		
Epilobium canum s. *angustifolium* (~*Zauschneria c.*) California-fuchsia		M	R	C	A	
Epilobium canum s. *canum* (~*Zauschneria c.*) California-fuchsia				C	A	
Epilobium canum s. *mexicanum* (~*Zauschneria m.*) California-fuchsia				C		
Epilobium cliatum s. *ciliatum* willow-herb		M		C		
**Gaura drummondii* gaura				C		
Ludwigia peploides s. *peploides* marsh-purslane				C		
Oenothera elata s. *hirsutissima* (~*O. hookeri* s. *venusta*) Hooker's evening primrose				C		
Orobanchaceae (Broomrape Family)						
Boschniakia strobilacea California ground-cone			R			
Orobanche bulbosa chaparral broomrape			R	C		
Orobanche californica s. *grandis* California broomrape			R			
Orobanche fasciculate clustered broomrape		M	R	C	A	
Orobanche parishii s. *brachyloba* Shortlobed broomrape	▲	M	R	C		
Orobanche uniflora naked broomrape				C		
Oxalidaceae (Wood-Sorrel Family)						
Oxalis albicans s. *californica* California wood-sorrel				C		
**Oxalis corniculata* creeping wood-sorrel			R	C		
**Oxalis pes-caprae* Bermuda buttercup				C		
**Oxalis rubra* pink wood-sorrel						
Papaveraceae (Poppy Family)						
Dendromecon rigida s. *harfordii* (~*D. harfordii*) Northern island busy poppy	E+■		R	C		
Dicentra ochrolueca				C		
Eschscholzia californica California poppy		M	R	C		
Eschscholzia ramose island poppy	E+■		R	C		B
Meconella denticulata				C		
Papaver califgornicum fire poppy			R	C		
**Papaver somniferum* opium poppy				C		
Platystemon californicus v. *californicus* Cream cups		M	R	C	A	
Platystemon californicus v. *ciliates* Santa Barbara Island cream cups	E■					B
Stylomecon heterophylla wind poppy		M	R	C	A	B
Plantaginaceae (Plantain Family)						
**Plantago coronopus*		M			A	
Plantago elongate (~*P. bigelovii* s. *californica*)		M	R	C		

Coastal plantain						
Plantago erecta California plantain			R	C	A	
**Plantago lanceolate* English plantain		M		C		
**Plantago major* common plantain				C		
Plantago maritima v. *californica* alkali plantain			R			
**Plantago ovata* (~*P. insularis*)		M	R	C	A	B
Plantago subnuda (~*P. hirtella* s. *galleottiana*)		M?!	R	C		
Plantanaceae (Sycamore Family)						
Platanus racemose California sycamore				C*		
Plumbaginaceae (Plumbago Family)						
Armeria maritima s. *californica* sea-thrift			R			
**Limonium sinuatum* statice		M!!			A!!	
Polemoniaceae (Phlox Family)						
Eriastrum filifolium				C		
Gilia achilleifolia s. *multicaulis* California gilia			R			
Gilia angelensis				C		
Gilia capitate s. *abrotanifolia* ball gilia				C		
Gilia clivorum many-stemmed gilia		M	R	C	A	
Gilia nevinii island gilia	E+■		R	C	A	B
Gilia tenuiflora s. *hoffmannii* Hoffmann's slender-flowered gilia	E▲		R			
Linanthus dianthiflorus fringed linanthus				C		
Linanthus parviflorus (~*L. androsaceus*) Common linanthus		M	R	C		
Navarretia atractyloides			R	C		
Polygalaceae (Milkwort Family)						
Polygala californica California milkwort				C		
Polygonaceae (Buckwheat Family)						
Chorizanthe wheeleri Wheeler's spine flower	E+■		R	C		
Eriogonum arborescens Santa Cruz Island buckwheat	E+		R	C	A	
Eriogonum cinereum ashyleaf buckwheat			R			
Eriogonum giganteum s. *compactum* Santa Barbara Island buckwheat						
**Eriogonum giganteum* s. *giganteum* St. Catherine's lace	E▲			C*		
Eriogonum grande v. *grande* Island buckwheat	E+■		R?	C	A	
Eriogonum grande v. *rubescens* Red buckwheat	E+■	M	R	C	A?	
Lastarriaea coriacea (~*Chorizanthe c.*)			R	C		
**Polygonum arenastrum* common knotweed			R	C	A	

**Polygonum argyrocoleon* Persian knotweed				C		
Polygonum lapathifolium willow smartweed				C		
Pterostegia drymarioides fairy mist		M	R	C	A	B
**Rumex acetosella* sheep sorrel			R	C		
**Rumex conglomeratus* green dock			R	C		
**Rumex crispus* curly dock		M	R	C	A	
Rumex maritimus (~*R. fueginus*) golden dock		M				
**Rumex pulcher* fiddle dock				C		
Rumex salicifolius v. *salicifolius* willow dock		M	R	C		
Portulacaceae (Purslane Family)						
Calandrinia breweri Brewer's calandrinia	■		R	C		
Calandrinia ciliate (~*C.c.* v. *menziesii*) Red-maids		M	R	C	A	B
Calandrinia maritima seaside calandrinia	■		R	C	A	B
Calyptridium monandrum pussypaws				C!		
Claytonia perfoliata v. *parviflora* (~*C. perfoliata* v. *parviflora*) Miner's lettuce		M		C		B
Claytonia perfoliata v. *Mexicana* Miner's lettuce		M	R	C	A	B
Claytonia perfoliata v. *perfoliata* Miner's lettuce			R	C		
Montia fontana (~*M.f.* s. *amporitana*) Water chickweed				C		
**Portulaca oleracea* common purslane				C		
Primulaceae (Primrose Family)						
**Anagallis arvensis* scarlet pimpernel		M	R	C	A	B
Centunculus minimus (~*Anagallis minima*) False pimpernel; chaffweed			R			
Dodecatheon clevelandii s. *insulare* Shooting star		M	R	C	A	
Samolus parviflorus water pimpernel				C		
Ranunculaceae (Buttercup Family)						
Clematis lasiantha chaparral clematis				C		
Clematis ligusticifolia creek clematis			R	C		
Clematis pauciflora small-flowered clematis				C		
Delphinium parryi s. *maritimum* Parry's larkspur		M	R	C	A	
Ranunculus californicus (~*R.c.* v. *cuneatus*) California buttercup		M	R	C		
Resedaceae (Mignonette Family)						
Oligomeris linifolia oligomeris		M	R	C	A	B
Rhamnaceae (Buckthorn Family)						
Ceanothus arboreus island ceanothus	E+		R	C		
Ceanothus megacarpus s. *insularis*	E+■	M!	R	C	A	

Island big-pod ceanothus						
Ceanothus megacarpus s. *megacarpus* Big-pod ceanothus				C		
Rhamnus californica s. *californica* California coffee berry				C		
Rhamnus pirifolia island redberry	E+	M!	R	C		
Rosaceae (Rose Family)						
Adenostoma fasciculatum v. *fasciculatum* Chamise			R	C		
Adenostoma fasciculatum v. *prostratum* Prostrate chamise	E+?■		R	C		
Aphanes occidentalis (~*Alchemilla o*.)			R	C		
Cercocarpus betuloides v. *blancheae* Island mountain mahogany	■		R	C		
Heteromeles arbutifolia toyon		M	R	C	A	
Holodiscus discolor (~*H. d*. v. *franciscanus*) Cream bush				C		
Lyonothamnus floribundus s. *aspleniifolius* Santa Cruz Island ironwood	E+■		R	C		
Potentilla anserine s. *pacifica* (~*P. egedii* v. *grandis*) silverweed		M		C		
**Prunus cultivars* plum, cherry eg.				C		
Prunus ilicifolia s. *lyonii* island cherry	E+		R	C	A	
Rosa californica California wild rose			R	C		
Rubus ursinus California blackberry		M	R	C		
Rubiaceae (Madder Family)						
Galium angustifolium s. *foliosum* Narrow-leaved bedstraw	E+		R	C	A	
*?*Galium aparine* cleavers		M	R	C	A	B
Galium buxifolium sea-cliff bedstraw	E+▲	M		C		
Galium californicum s. *flaccidum* California bedstraw				C		
Galium californcum s. *miguelense* San Miguel Island bedstraw	E+■	M	R			
Galium nuttallii s. *insulare* Nuttall's island bedstraw	E+■		R	C		
Galium parisiense			R			
Galium porrigens v. *porrigens* (~*G. nuttallii* v. *ovalifolium*) Climbing bedstraw			R	C		
Salicaeae (Willow Family)						
Populus balsamifera s. *trichocarpa* (~P.t.) Black cottonwood			R	C		
Populus fremontii s. *fremontii* Fremont cottonwood				C		
Salix exigua (~*S. hindsiana*) sandbar willow				C		

Salix laevigata (~*S. bonplandiana*) red willow				C		
Salix lasiolepis arroyo willow		M	R	C	A	
Salix lucida s. *lasiandra* (~*S. lasiandra*) Yellow willow				C		
Saururaceae (Lizard-Tail Family)						
Anemopsis californica yerba mansa				C*		
Saxifragaceae (Saxifrage Family)						
Heuchera maxima island alum-root	E+■		R	C	A	
Jepsonia malvifolia island jepsonia	E+■		R	C		
Lithophragma cymbalaria mission star			R	C		
Saxigraga californica California saxifrage			R	C		
Scrophulariaceae (Figwort Family)						
Antirrhinum kelloggii climbing snapdragon				C		
Antirrhinum multiflorum sticky snapdragon				C		
Antirrhinum nattallianum s. *subsessile* Nuttall's snapdragon		M	R	C	A	
Castilleja affinis s. *affinis* red paintbrush		M	R	C	A	
Castilleja attenuate (~*Orthocarpus attenuates*) Narrow-leaved owl's clover				C		
Castilleja densiflora (~*Orthocarpus d*.) Owl's clover		M	R	C		
Castilleja exserta (~*Orthocarpus purpurascens*) Purple owl's clover		M	R	C		
Castilleja hololeuca (~*C. lanata* s. *h*.) Island paintbrush	E+■	M	R	C	A	
Castilleja mollis soft-leaved paintbrush	E+▲	M!?	R			
Collinsia heterophylla Chinese houses			R			
Gambelia speciose (~*Galvezia s*.) Island snapdragon	E+■					B?
Keckiella cordifolia climbing penstemon			R	C	A	
Linaria canadenis (~*L. texana*) blue toadflax		M	R	C	A	
Mimulus brandegeei Santa Cruz Island monkeyflower	E▲			C!		
Mimulus cardinalis scarlet monkeyflower				C		
Mimulus flemingii (~*Diplacus parviflorus*) Island monkeyflower	E+■		R	C	A	
Mimulus floribundus Many-flowered monkeyflower			R			
Mimulus guttatus common monkeyflower			R	C		
Mimulus longiflorus (~*Diplacus longiflorus*) Bush monkeyflower			R	C		
Scrophularia californica s. *californica* California figwort			R			
**Verbascum Thapsus* common mullein				C		

**Veronica anagallis-aquatica* water speedwell				C		
Solanaceae (Nightshade Family)						
Datura wrightii (~*D. metloides*) jimson weed			R	C		
Lycium californicum California boxthorn		M		C	A	B
Lycium fremontii Fremont's boxthorn			R			
**Lycopersicum esculentum* tomato		M!!		C	A!!	B!!
Nicotiana clevelandii Cleveland's tobacco				C	A	B
**Nicotiana glauca* tree tobacco				C		
Petunia parviflora wild petunia			R			
Solanum americanum (~*S. nodiflorum*) white nightshade					A	
Solanum clokeyi (~*S. wallaceii* v. *c.*) island nightshade	E+■		R	C		
Solanum douglasii Douglas' nightshade		M	R	C	A	B
**Solanum elaeagnifolium* silver-leaved horse nettle				C		
Tamaricaceae (Tamarisk Family)						
**Tamarix aphylla* athel			R			
**Tamarix parviflora* (~*T. tetrandra*) tamarisk					A	
**Tamarix ramosissima* (~*T. pentandra*) tamarisk		M	R	C		
Tropaeolaceae (Nasturtium Family)						
**Tropaeolum majus* garden nasturtium						B!!
Ulmaceae (Elm Family)						
**Ulmus* x *hollandica* Dutch elm				C		
Urticaceae (Nettle Family)						
Hesperocnide tenella western nettle			R	C		B
Parietaria hespera v. *californica* western pellitory		M	R	C	A	B
Urtica dioica s. *holosericea* giant creek nettle			R	C	A	
**Urtica urens* dwarf nettle		M	R	C		
Valerianaceae (Valerian Family)						
**Centranthus ruber* red valerian				C		
Plectritis ciliosa var. ?				C		
Verbenaceae (Vervain Family)						
Verbena lasiostachys v. *scabrida* (~*V. robusta*) verbena		M	R	C		
Verbena bracteata						
Violaceae (Violet Family)						
Viola pedunculata johnny jump-up			R	C		
MONOCOTYLEDONOUS FLOWERING PLANTS						
Agavaceae (Agave Family)						
**Agave Americana* century plant				C		
Alliaceae (Onion Family)						
Allium lacunosum v. *lacunosum* pitted onion			R	C		

Allium praecox early onion		M	R	C		
Bloomeria crocea s. *crocea* golden stars			R	C		
Brodiaea jolonensis dwarf brodiaea		M	R	C		
Dichelostemma capitatum blue dicks; Wild hyacinth		M	R	C	A	B
Triteleia hyacinthine white triteleia				C		
Amaryllidaceae (Amaryliss Family)						
**Amaryllis belladonna* naked lady		M			A	
**Narcissus tazetta* narcissus				C		
Araceae (Arum Family)						
**Zantedeschia aethiopica* calla lily		M!				
Arecaceae (Palm Family)						
Washintonia filifera California fan palm		M*				
Cyperaceae (Sedge Family)						
Carex barbarae Santa Barbara sedge				C		
Carex globose round-fruited sedge			R	C		
Carex gracilior slender sedge			R?			
Carex harfordii (~*C. montereyensis*) Monterey sedge				C		
Carex pansa sand dune sedge		M?	R			
Carex praegracilis clustered field sedge		M?	R			
Carex senta rough sedge				C		
Carex subbracteata			R	C		
Carex triquetra				C		
Carex tumulicola foothill sedge			R	C		
**Cyperus involucratus* umbrella sedge				C		
Cyperus odoratus						
Eleocharis acicularis			R			
Eleocharis macrostachya pale spikerush			R			
Scirpus americanus (~*S. olyneyi*) tree-square			R			
Scirpus californicus California bulrush			R?	C		
Scirpus cernuus v. *californicus* low club rush		M	R			
Scirpus maritimus shore bulrush		M		C		
Scirpus pungens sharp bulrush			R	C		
Iridaceae (Iris Family)						
**Chasmanthe floribunda* (~*C. aethiopica*)		M!!				
**Iris* sp.		M				
Sisyrinchium bellum blue-eyed grass		M	R	C		
Juncaceae (Rush Family)						
Juncus balticus wire rush		M	R			
Juncus bufonius toad rush		M	R	C	A	

Juncus effuses v. *pacificus* bog rush			R			
Juncus mexicanus Mexican rush		M	R	C		
Juncus patens common rush		M	R	C		
Juncus phaeocephalus v. *phaeocephalus* Brown-headed rush			R			
Juncus xiphioides iris-leaved rush				C		
Luzula comosa (~*L.c.* v. *subsessilis*) Common wood-rush			R	C		
Lemnaceae (Duckweed Family)						
Lemna minor duckweed		M				
Liliaceae (Lily Family)						
Calochortus albus fairy lanterns			R	C		
Calochortus catalinae Catalina mariposa	■		R	C		
Calochortus luteus yellow mariposa				C		
Chlorogalum pomeridianum soap plant			R			
Lilium humboldtii s. *ocellatum* Humboldt's lily	■		R	C	A	
Zigadenus fremontii chaparral zygadene; Death-camas		M	R	C	A	
Orchidaceae (Orchid Family)						
Epipactis gigantea stream orchid				C		
Piperia elongate rein orchid			R	C		
Piperia michaelii Micheal's rein orchid	■			C		
Poaceae (Grass Family)						
Achnatherum diegonense (~*Stipa d.*) San Diego needlegrass	■	M	R	C	A	
**Aegilops cylindrical* (~*Triticum c.*) Joined goatgrass				C		
Arrostis exarata bentgrass			R	C		
Arostis pallens (~*A. diegoensis*) thingrass			R	C		
**Agrostis viridis* (~*A. semiverticillata*, *Poylpogon s.*) Water bent			R	C	A	B
**Agrostis stolonifera*					A?	
Andropogon glomeratus v. *scabriglumis* Bushy beardgrass				C		
Aristida adscensionis three-awn			R	C		
*?*Aristida ternipes* v. *hamulosa*				C		
**Arundo donax* giant reed		M!!	R!!	C		
**Avena barbata* slender wild oats		M	R	C	A	B
**Avena fatua* wild oats		M	R	C	A	B
**Avena sativa* cultivated oats			R	C		
**Brachypodium distachyon* false brome				C		
Bromus arizonicus Arizona brome		M	R	C	A	B

*?*Bromus berterianus* (~*B. trinii*) Chilean chess		M	R	C	A	B
Bromus carinatus v. *maritimus* Maritime brome		M	R	C	A	
**Bromus carinatus* v. *maritimus* Maritime brome		M	R	C	A	
**Bromus catharticus* (~*B. willdenovii*) Rescue grass				C		
**Bromus diandrus* ripgut brome		M	R	C	A	B
**Bromus hordeaceus* (~*B. mollis*) soft chess		M	R	C	A	B
**Bromus laevipes* woodland brome			R	C		
**Bromus madritensis* s. *madritensis* Madrid brome			R?	C		
**Bromus madritensis* s. *rubens* red brome		M	R	C	A	B
**Bromus stamineus*				C		
Calamagrostis rubescens pine grass				C		
**Bortaderia selloana* pampas grass		M!!		C		
**Cynodon dactylon* Bermuda grass		M	R	C	A	B
**Dactylis glomerata* orchard grass				C		
Distichlis spicata saltgrass		M	R	C	A	
**Ehrharta erecta*				C		
Elymus glaucus s. *glaucus* western rye			R	C		
**Elytrigia repens* (~*Agropyron r.*) quack grass		M?				
**Festuca arundinacea* tall fescue		M	R	C		
**Gastridium ventricosum* nit grass			R	C		
**Hainardia cylindrical* (~*Monerma c.*) thin tail		M	R	C		
Hordeum brachyantherum s. *californicum* (~H. californicum) meadow barley		M	R	C	A	
Hordeum depressum alkali barley				C		
Hordeum intercedens Vernal barely; little barely	■	M	R	C	A	B
**Hordeum marinum* s. *gussoneanum* (~H. geniculatum) Mediterranean barley			R	C		
**Hordeum murinum* s. *glaucum* foxtail		M	R	C	A	B
**Horedum murinum* s. *leporinum* foxtail		M	R	C	A	B
**Hordeum vulgare* cultivated barley			R	C		
Koeleria macrantha June grass			R	C		
**Koeleria phleoides*				C		
**Lamarckia aurea* goldentop		M	R	C	A	B
Leymus condensatus (~*Elymus c.*) giant rye		M	R	C	A	
Leymus pacificus (~*Elymus p.*) maritime rye		M	R			
Leymus triticoides (~*Elymus t.*) alkali rye		M	R	C	A	
**Lolium multiflorum* Italian ryegrass		M	R	C		B

**Lolium perenne* English ryegrass				C		
**Lolium temulentum* darnel			R	C		
Melica imperfecta Coast Range melic		M	R	C	A	B
Monanthochloe littoralis shoregrass			R			
Muhlenbergia microsperma littleseed muhly		M	R	C	A	B
Nassella cernua (~*Stipa c*.) nodding needlegrass		M	R	C	A	
Nassella lepida (~*Stipa l*.) foothill needlegrass		M	R	C	A	B
Nassella pulchra (~*Stipa p*.) purple needlegrass		M	R	C	A	B
**Parapholis incurve* sickle grass		M	R	C	A	B
Paspalum distichum knotgrass				C		
**Pennisetum clandestinum* kikuyu grass		M	R	C	A	
**Phalaris aquatic* Harding grass				C	A	
*?*Phalaris caroliniana* Carolina cnary grass				C		B
Phalaris lemmonii Lemmon's canary grass				C	A	
**Phalaris minor* Mediterranean canary grass		M	R	C	A	B
**Phalaris paradoxa* hood canary grass				C	A	
**Piptatherum miliaceum* (~*Oryzopsis m*.) Smilo grass; rice grass		M	R	C	A	
**Poa annua* annual bluegrass		M	R	C	A	B
Poa howellii (~*P*. *bolanderi* s. *howellii*) Howell's bluegrass				C		
Poa douglasii maritime bluegrass		M	R			
Poa secunda s. *secunda* (~*P*. *scabrella*) one-sided bluegrass		M	R	C	A	
**Polypogon interruptus* ditch beard grass		M	R	C		
**Polypogon monspeliensis* rabbitsfoot grass		M	R	C	A	B
**Schismus arabicus* Mediterranean grass				C		B
**Schismus barbatus* bearded Mediterranean grass				C		
**Vulpia bromoides* (~*V*. *dertonensis*) Brome fescue		M	R	C	A	
Vulpia microstachys v. *pauciflora* pacific fescue		M		C	A	
**Vulpia myuros* v. *hirsute* (~*V*. *megalura*) foxtail fescue		M	R	C	A	B
Vulpia octoflora v. *hirtella* six-weeks fescue		M	R	C	A	B
Potamogetonaceae (Pondweed Family)						
Potamogeton pectinatus fennel-leaf pondweed			R	C		
Ruppia maritima ditchgrass			R	C		
Typhaceae (Cattail Family)						
Typha domingensis narrow-leaved cattail		M	R	C		
Typha latifolia broad-leaved cattail				C		
Zannichelliaceae						
Zannichellia palustris horned pondweed				C		
Zosteraceae (Eel-Grass Family)						

Phyllospadix scouleri surf-grass		M?		C	A	B
Phyllospadix torreyi surf-grass		M	R	C	A	B
Zostera marina eel-grass			R	C	A	
Zostera pacifica eel-grass				C		