

Attachment B: Botanical Compendium

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Species	Common Name	Special-Status	Wetland Rank
FERNS			
PTERIDACEAE – BRAKE FAMILY			
<i>Pellaea andromedifolia</i>	coffee fern		
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's-foot fern		
<i>Pentagramma triangularis</i>	goldback fern		
GYMNOSPERMS			
CUPRESSACEAE – CYPRESS FAMILY			
<i>Cupressus sempervirens</i> *	Italian cypress		
<i>Juniperus californica</i>	California juniper		
EPHEDRACEAE – EPHEDRA FAMILY			
<i>Ephedra viridis</i>	green ephedra		
PINACEAE – PINE FAMILY			
<i>Pinus halepense</i> *	Aleppo pine		
<i>Pinus sabiniana</i>	ghost pine		
EUDICOTS			
ADOXACEAE – MUSKROOT FAMILY			
<i>Sambucus nigra</i> ssp. <i>caerulea</i>	blue elderberry		FACU
AMARANTHACEAE – AMARANTH FAMILY			
<i>Amaranthus blitoides</i>	procumbent pigweed		FACU
ANACARDIACEAE – SUMAC FAMILY			
<i>Toxicodendron diversilobum</i>	western poison oak		FACU
APIACEAE – CARROT FAMILY			
<i>Lomatium</i> cf. <i>macrocarpum</i>	large-fruit lomatium		
APOCYNACEAE – DOGBANE FAMILY			
<i>Asclepias californica</i>	California milkweed		
<i>Asclepias fascicularis</i>	narrow-leaf milkweed		FAC
<i>Nerium oleander</i> *	common oleander		
ASTERACEAE – SUNFLOWER FAMILY			
<i>Ambrosia acanthicarpa</i>	annual bur-sage		
<i>Artemisia douglasiana</i>	mugwort		FAC
<i>Artemisia dracuncululus</i>	tarragon		
<i>Artemisia tridentata</i>	big sagebrush		
<i>Baccharis glutinosa</i>	marsh baccharis		FACW
<i>Baccharis pilularis</i> ssp. <i>consanguinea</i>	coyote brush		
<i>Baccharis salicifolia</i> ssp. <i>salicifolia</i>	mule fat		FAC
<i>Brickellia californica</i>	California brickellbush		FACU
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion		

Species	Common Name	Special-Status	Wetland Rank
<i>Cirsium occidentale</i> var. <i>venustum</i>	beautiful cobwebby thistle		
<i>Corethrogyne filaginifolia</i>	filago-leaved sand aster		
<i>Deinandra</i> sp.	tarplant		
<i>Encelia actoni</i>	acton encelia		
<i>Ericameria cuneata</i> var. <i>cuneata</i>	cliff goldenbush		
<i>Ericameria linearifolia</i>	interior goldenbush		
<i>Ericameria nauseosa</i> var. <i>oreophila</i>	great basin rabbitbrush		
<i>Erigeron canadensis</i>	horseweed		FACU
<i>Erigeron divergens</i>	spreading fleabane		
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	dense flower woolly sunflower		
<i>Gnaphalium palustre</i>	marsh cudweed		FACW
<i>Gutierrezia</i> sp.	snakeweed		
<i>Heterotheca grandiflora</i>	telegraph weed		
<i>Holocarpha</i> sp.	Tarplant		
<i>Lactuca serriola</i> *	prickly lettuce		FACU
<i>Laennecia coulteri</i>	Coulter's horseweed		FAC
<i>Lagophylla ramosissima</i>	branched hareleaf		
CF <i>Lasthenia californica</i> ssp. <i>californica</i>	California goldfields		FACU
<i>Layia pentachaeta</i> ssp. <i>pentachaeta</i>	five-bristled layia		
<i>Lepidospartum squamatum</i>	scaly scale-broom		FACU
<i>Logfia filaginoides</i>	California cottonrose		
<i>Madia</i> sp.	tarweed		
<i>Matricaria discoidea</i> *	pineapple weed		FACU
<i>Pseudognaphalium beneolens</i>	pleasant-scented cudweed		
<i>Pseudognaphalium canescens</i>	hairy cudweed		FACU
<i>Pseudognaphalium luteoalbum</i> *	white lamb cudweed		FAC
<i>Pseudognaphalium stramineum</i>	straw-colored cudweed		FAC
<i>Senecio flaccidus</i>	threadleaf ragwort		
<i>Sonchus oleraceus</i> *	common sow thistle		
<i>Stephanomeria virgata</i> ssp. <i>pleurocarpa</i>	rib-fruited wand-like wire-lettuce		
<i>Stylocline gnaphaloides</i>	everlasting neststraw		
<i>Tragopogon dubius</i> *	yellow salsify		
<i>Uropappus lindleyi</i>	Lindley's silverpuffs		
<i>Xanthium strumarium</i>	cocklebur		FAC
BIGNONIACEAE – BIGNONIA FAMILY			
CF <i>Campsis radicans</i> *	trumpet-creeper		FACU
BORAGINACEAE – BORAGE FAMILY			
<i>Amsinckia menziesii</i>	common fiddleneck		
<i>Emmenanthe penduliflora</i>	whispering bells		

Species	Common Name	Special-Status	Wetland Rank
<i>Eriodictyon trichocalyx</i>	hairy yerba santa		
<i>Heliotropium curassavicum</i> var. <i>oculatum</i>	seaside heliotrope		FACU
<i>Pectocarya</i> sp.	pectocarya		
<i>Phacelia cicutaria</i>	cicuta-leaved phacelia		
<i>Phacelia imbricata</i>	imbricate phacelia		
<i>Phacelia ramosissima</i>	branching phacelia		FACU
<i>Pholistoma membranaceum</i>	membranous fiesta flower		
BRASSICACEAE – MUSTARD FAMILY			
<i>Brassica nigra</i> *	black mustard		
<i>Capsella bursa-pastoris</i> *	shepherd's purse		FACU
<i>Caulanthus coulteri</i>	Coulter's jewelflower		
<i>Descurainia sophia</i> *	wise tansy mustard		
<i>Erysimum capitatum</i> var. <i>capitatum</i>	western wallflower		
<i>Hirschfeldia incana</i> *	shortpod mustard		
<i>Lepidium densiflorum</i>	densely-flowered peppergrass		
<i>Rorippa palustris</i> ssp. <i>palustris</i>	marsh yellow cress		OBL
<i>Sisymbrium altissimum</i> *	tumble mustard		FACU
<i>Thysanocarpus laciniatus</i>	cut-leaved fringedpod		
CACTACEAE – CACTUS FAMILY			
<i>Cylindropuntia</i> cf. <i>acanthocarpa</i> var. <i>acanthocar</i>	buckhorn cholla		
<i>Opuntia basilaris</i> var. <i>basilaris</i>	beavertail cactus		
CHENOPODIACEAE – GOOSEFOOT FAMILY			
<i>Atriplex canescens</i>	four-wing saltbush		
<i>Chenopodium californicum</i>	California goosefoot		
<i>Chenopodium desiccatum</i>	desiccated pigweed		
<i>Chenopodium murale</i> *	wall-growing pigweed		FACU
<i>Chenopodium rubrum</i> var. <i>rubrum</i> *	red pigweed		FACW
<i>Chenopodium</i> sp. (native)	pigweed		
<i>Kochia scoparia</i> ssp. <i>scoparia</i> *	broom kochia		FAC
<i>Salsola australis</i> *	southern Russian thistle		
<i>Salsola tragus</i> *	Russian thistle		FACU
CONVOLVULACEAE – MORNING-GLORY FAMILY			
<i>Calystegia longipes</i>	long-stalked morning-glory		
<i>Convolvulus arvensis</i> *	bindweed		
<i>Cuscuta</i> sp.	dodder		
CRASSULACEAE – STONECROP FAMILY			
<i>Crassula</i> sp.	pygmy-weed		
<i>Dudleya abramsii</i> ssp. <i>calicicola</i>	limestone dudleya	CRPR 4.3	
<i>Dudleya lanceolata</i>	lance-leaved dudleya		

Species	Common Name	Special-Status	Wetland Rank
CUCURBITACEAE – GOURD FAMILY			
<i>Marah fabacea</i>	California man-root		
<i>Marah macrocarpa</i>	large fruit man-root		
ELAEAGNACEAE – OLEASTER FAMILY			
<i>Elaeagnus angustifolia*</i>	Russian olive		FAC
EUPHORBIACEAE – SPURGE FAMILY			
<i>Croton setiger</i>	doveweed		
<i>Euphorbia albomarginata</i>	rattlesnake sandmat		
<i>Euphorbia ocellata ssp. ocellata</i>	valley spurge		
FABACEAE – LEGUME FAMILY			
<i>Acmispon americanus var. americanus</i>	American deervetch		
<i>Acmispon argophyllus</i>	silver-leaved deervetch		
<i>Acmispon glaber</i>	deerweed		
<i>Acmispon strigosus</i>	strigose deervetch		
<i>Amorpha fruticosa</i>	shrubby false indigo		FACW
<i>Astragalus asymmetricus</i>	asymmetrical milk-vetch		
<i>Lupinus albilfrons var. albilfrons</i>	white leaf lupine		
<i>Lupinus bicolor</i>	miniature lupine		
<i>Lupinus concinnus</i>	bajada lupine		
<i>Lupinus microcarpus</i>	chick lupine		
<i>Melilotus albus*</i>	white sweetclover		
<i>Melilotus indicus*</i>	Indian sweetclover		FACU
<i>Robinia pseudoacacia*</i>	black locust		FACU
<i>Trifolium cf. albopurpureum</i>	purple-white clover		FACU
<i>Trifolium obtusiflorum</i>	clammy clover		FAC
FAGACEAE – OAK FAMILY			
<i>Quercus chrysolepis</i>	canyon live oak		
<i>Quercus douglasii</i>	blue oak		
<i>Quercus wislizeni var. frutescens</i>	shrubby interior live oak		
<i>Quercus wislizeni var. wislizeni</i>	interior live oak		
GERANIACEAE – GERANIUM FAMILY			
<i>Erodium cicutarium*</i>	redstem filaree		
GROSSULARIACEAE – GOOSEBERRY FAMILY			
<i>Ribes quercetorum</i>	oakwoods gooseberry		
LAMIACEAE – MINT FAMILY			
<i>Lamium amplexicaule*</i>	henbit		
<i>Marrubium vulgare*</i>	common horehound		FACU
<i>Mentha sp.</i>	mint		
<i>Salvia columbariae</i>	chia		

Species	Common Name	Special-Status	Wetland Rank
<i>Stachys cf. rigida var. quercetorum</i>	oak rigid hedge-nettle		FACW
LOASACEAE – BLAZING STAR FAMILY			
<i>Mentzelia albicaulis</i>	white-stemmed blazing star		
MALVACEAE – MALLOW FAMILY			
<i>Malacothamnus fremontii</i>	Fremont's bush-mallow		
<i>Malva parviflora*</i>	cheeseweed		
<i>Malvella leprosa</i>	alkali-mallow		FACU
MONTIACEAE – MINER'S-LETTUCE FAMILY			
<i>Calandrinia menziesii</i>	red maids		FACU
<i>Claytonia cf. parviflora</i>	small-flowered spring beauty		FACU
<i>Claytonia sp.</i>	spring beauty		
MORACEAE – MULBERRY FAMILY			
<i>Morus alba*</i>	white mulberry		FACU
NYCTAGINACEAE – FOUR O'CLOCK FAMILY			
<i>Mirabilis laevis</i>	smooth four o'clock		
OLEACEAE – OLIVE FAMILY			
<i>Fraxinus velutina</i>	velvet ash		FAC
ONAGRACEAE – EVENING PRIMROSE FAMILY			
<i>Clarkia affinis</i>	chaparral clarkia		
<i>Clarkia purpurea</i>	purple clarkia		
<i>Clarkia speciosa</i>	showy clarkia		
<i>Clarkia unguiculata</i>	elegant clarkia		
<i>Clarkia xantiana ssp. parviflora</i>	Kern canyon clarkia	CRPR 4.2	
<i>Clarkia xantiana ssp. xantiana</i>	Xantus' clarkia		
<i>Epilobium canum</i>	California fuchsia		
<i>Oenothera californica ssp. californica</i>	California evening primrose		
<i>Oenothera elata ssp. hirsutissima</i>	hairy tall evening primrose		FACW
PAPAVERACEAE – POPPY FAMILY			
<i>Eschscholzia caespitosa</i>	tufted poppy		
<i>Eschscholzia californica</i>	California poppy		
PHRYMACEAE – LOPSEED FAMILY			
<i>Diplacus aurantiacus</i>	orange monkeyflower		FACU
<i>Diplacus longiflorus</i>	soft orange monkeyflower		FACU
<i>Erythranthe cardinalis</i>	red monkeyflower		FACW
<i>Erythranthe guttata</i>	red-dotted monkeyflower		OBL
PLANTAGINACEAE – PLANTAIN FAMILY			
<i>Collinsia sp.</i>	chinese-houses		
<i>Keckiella breviflora</i>	short-flowered bush penstemon		
<i>Penstemon grinnellii var. scrophularioides</i>	Grinnell's figwort-like beardtongue		

Species	Common Name	Special-Status	Wetland Rank
<i>Penstemon heterophyllus</i>	bunch leaf beardtongue		
<i>Veronica anagallis-aquatica</i> *	water speedwell		OBL
<i>Veronica peregrina ssp. xalapensis</i>	purslane speedwell		FAC
PLATANACEAE – SYCAMORE FAMILY			
<i>Platanus racemosa</i>	western sycamore		FAC
POLEMONIACEAE – PHLOX FAMILY			
<i>Eriastrum sp.</i>	eriastrum		
<i>Eriastrum tracyi</i>	Tracy's eriastrum	SR, CRPR 3.2	
<i>Gilia inconspicua</i>	shy gilia		
<i>Leptosiphon parviflorus</i>	small-flowered leptosiphon		
POLYGONACEAE – BUCKWHEAT FAMILY			
<i>Chorizanthe staticoides</i>	spineflower		
<i>Eriogonum baileyi var. baileyi</i>	Bailey's buckwheat		
<i>Eriogonum cithariforme var. cithariforme</i>	cithara buckwheat		
<i>Eriogonum fasciculatum var. foliolosum</i>	leafy California buckwheat		
<i>Eriogonum gracile var. gracile</i>	slender woolly buckwheat		
<i>Eriogonum nudum var. pubiflorum</i>	Fremont's buckwheat		
<i>Eriogonum wrightii</i>	Wright's buckwheat		
<i>Persicaria lapathifolia</i>	willow weed		FACW
<i>Polygonum sp.</i>	knotweed		
<i>Pterostegia drymarioides</i>	drymaria-like pterostegia		
<i>Rumex crispus</i> *	curly dock		FAC
<i>Rumex fueginus</i>	golden dock		FACW
<i>Rumex salicifolius</i>	willow dock		FACW
PORTULACACEAE – PURSLANE FAMILY			
<i>Portulaca oleracea</i> *	purslane		FAC
RANUNCULACEAE – BUTTERCUP FAMILY			
<i>Delphinium purpusii</i>	rose-flowered larkspur	CRPR 1B.3	
<i>Myosurus minimus</i>	tiny mousetail		OBL
<i>Ranunculus cymbalaria</i>	rounded-lead buttercup		
RHAMNACEAE – BUCKTHORN FAMILY			
<i>Ceanothus cuneatus</i>	buckbrush		
<i>Ceanothus leucodermis</i>	chaparral whitethorn		
<i>Frangula californica</i>	California coffee berry		
<i>Rhamnus ilicifolia</i>	hollyleaf redberry		
ROSACEAE – ROSE FAMILY			
<i>Cercocarpus ledifolius var. intermontanus</i>	mountain curl-leaf mountain-mahogany		
<i>Potentilla rivalis</i>	brook cinquefoil		FACW
<i>Potentilla sp.</i>	cinquefoil		

Species	Common Name	Special-Status	Wetland Rank
RUBIACEAE – COFFEE FAMILY			
<i>Galium angustifolium ssp. angustifolium</i>	narrow-leaved bedstraw		
<i>Galium cf. aparine</i>	goose grass		FACU
SALICACEAE – WILLOW FAMILY			
<i>Populus fremontii ssp. fremontii</i>	Fremont's cottonwood		FAC
<i>Salix exigua var. hindsiana</i>	Hinds' willow		FACW
<i>Salix gooddingii</i>	Goodding's black willow		FACW
<i>Salix laevigata</i>	red willow		FACW
<i>Salix lasiolepis</i>	arroyo willow		FACW
SCROPHULARIACEAE – FIGWORT FAMILY			
<i>Scrophularia californica</i>	California figwort		FAC
<i>Verbascum thapsus*</i>	woolly mullein		FACU
SIMAROUBACEAE – SIMAROUBA FAMILY			
<i>Ailanthus altissima*</i>	tree of heaven		FACU
SOLANACEAE – NIGHTSHADE FAMILY			
<i>Datura wrightii</i>	Wright's jimsonweed		
<i>Nicotiana attenuata</i>	narrowed-tip tobacco		FACU
<i>Solanum sp.</i>	nightshade		
ULMACEAE – ELM FAMILY			
<i>Ulmus pumila*</i>	Siberian elm		
URTICACEAE – NETTLE FAMILY			
<i>Urtica dioica</i>	dioecious stinging nettle		FAC
VERBENACEAE – VERVAIN FAMILY			
<i>Verbena bracteata</i>	bracted vervain		FAC
VISCACEAE – MISTLETOE FAMILY			
<i>Phoradendron juniperinum</i>	juniper mistletoe		
<i>Phoradendron leucarpum ssp. tomentosum</i>	hairy American mistletoe		
VITACEAE – GRAPE FAMILY			
<i>Parthenocissus inserta*</i>	woodbine		FACU
MONOCOTS			
AGAVACEAE – AGAVE FAMILY			
<i>Hesperoyucca whipplei</i>	whipple's chaparral yucca		
CYPERACEAE – SEDGE FAMILY			
<i>Cyperus erythrorhizos</i>	red-rooted flatsedge		OBL
<i>Cyperus cf. odoratus</i>	fragrant flatsedge		FACW
JUNCACEAE – RUSH FAMILY			
<i>Juncus ensifolius</i>	dagger rush		FACW
<i>Juncus cf. mexicanus</i>	Mexican rush		FACW
<i>Juncus oxymeris</i>	pointed rush		FACW

Species	Common Name	Special-Status	Wetland Rank
<i>Juncus cf. torreyi</i>	Torrey's rush		FACW
POACEAE – GRASS FAMILY			
<i>Agrostis exarata</i>	spike bent grass		FACW
<i>Agrostis scabra</i>	rough bent grass		FAC
<i>Avena sp.*</i>	oat		
<i>Bromus diandrus*</i>	rippgut grass		
<i>Bromus hordeaceus*</i>	soft chess		FACU
<i>Bromus rubens*</i>	red brome		
<i>Bromus tectorum*</i>	cheat grass		
<i>Cynodon dactylon*</i>	bermuda grass		FACU
<i>Distichlis spicata</i>	salt grass		FAC
<i>Festuca myuros*</i>	rattail sixweeks grass		FACU
<i>Hordeum murinum*</i>	wall barley		FACU
<i>Leptochloa fusca ssp. uninervia</i>	Mexican sprangletop		
<i>Melica cf. imperfecta or californica</i>	flawed onion grass		
<i>Poa secunda</i>	Nevada blue grass		FACU
<i>Polypogon interruptus*</i>	ditch beard grass		FACW
<i>Polypogon monspeliensis*</i>	annual beard grass		FACW
<i>Schismus arabicus*</i>	Arabian Mediterranean grass		
<i>Setaria parviflora</i>	knotroot bristle grass		FAC
<i>Stipa cf. lepida</i>	foothill needle grass		
<i>Stipa cf. miliacea var. miliacea*</i>	smilo grass		
<i>Stipa sp.</i>	needle grass		
THEMIDACEAE – BRODIAEA FAMILY			
<i>Dipterostemon capitatus</i>	blue dicks		FACU
<i>Triteleia laxa</i>	loose triplet lily		
TYPHACEAE – CATTAIL FAMILY			
<i>Typha sp.</i>	cattail		OBL

Legend

Symbols:

* Non-native species

^ Seed mix species

+ Volunteer species

cf. confer: This designation is used when a species or infraspecific taxon cannot be confirmed, but is believed to be the selected species of infraspecific taxon based on available anatomy

Federal Designations:

U.S. Fish and Wildlife Service:

FE Endangered

FT Threatened

FC Candidate Species

U.S. Forest Service:

FSS Forest Service Sensitive

WL Watch List

U.S. Army Corps of Engineers Wetland Rank:

OBL Wetland-dependent plants that require standing water or seasonally saturated soils near the surface.

FACW Plants dependent on and predominantly occur with hydric soils, standing water, or seasonally high water tables in wet habitats.

FAC These plants can occur in wetlands or non-wetlands. They can grow in hydric, mesic, or xeric habitats.

FACU Plants that are not wetland dependent. They are non-wetland plants by habitat preference.

None Plants are upland plants and do not occur in wetlands.

Other Designations:

California Invasive Plant Council Rank:

High These species have severe ecological impacts on the surrounding habitat. They have moderate to high rates of dispersal and establishment, and most are widely distributed.

Moderate These species have substantial and apparent—but generally not severe—ecological impacts on the surrounding habitat. They have moderate to high rates of dispersal.

Distribution may range from limited to widespread.

Limited These species are invasive, but their ecological impacts are minor on a statewide level. They have low to moderate rates of colonization. Although their distribution is generally limited, these species may be locally persistent and problematic.

Watch List These species are predicted to become invasive if no further actions are taken. Distribution may range from limited to widespread in specific regions.

State of California Designations:

California Department of Fish and Wildlife:

SE Endangered

ST Threatened

SR Rare

California Rare Plant Rank:

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 we need more information - review list

4 Plants of limited distribution - watch list

Threat Code Extensions:

None Plants lacking any threat information

.1 Seriously threatened in California (over 80% of occurrences threatened; high degree and immediacy of threat)

.2 Moderately threatened in California (20–80% of occurrences threatened; moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened; low degree and immediacy of threat or no current threats known)

California Department of Food and Agriculture Weed Rank:

A eradication, containment, rejection, or other holding action at the state-County level is mandated

B eradication, containment, control, or other holding action is at the discretion of the commissioner

C no state action is required except to retard the speed of spreading

D no state action is required

W this plant is included in CCR Section 4500 list of state noxious weeds

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