

List Based On Identifications
By
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This list covers the higher (vascular) plants. Algae, bryophytes (mosses and liverworts), lichens, and fungi are not included.

Major plant groups (ferns and fern allies, gymnosperms, etc.) are in phylogenetic order; families, genera, and species within these groups are arranged alphabetically by scientific names.

Taxonomy follows *The Jepson Manual, Higher Plants of California*, James C. Hickman ed., University of California Press, Berkeley, California, xvii + 1400 pp.

When available, Jepson common names have been used. An additional source for common names has been Niehaus, T.F. and C. L. Ripper, 1976, *A Field Guide to Pacific States Wildflowers*, Houghton-Mifflin Co., Boston, Massachusetts. Some species lack common names.

In the list to follow, the initial letters of established common names are capitalized. Uncapitalized common names are usually based on a group name — for example, the common name for the genus or the generic name itself. In a few instances we have listed a generic name without species identification. Examples are *Amaranthus* sp. - pigweed, p. 35, and *Cryptantha* sp. - cryptantha, p. 39, indicating that we are aware of the presence of a member of each of these genera but the species name has yet to be determined. Another example is a *Lathyrus* sp., which has been tentatively identified as “white wild pea” (p. 41).

Since botanists so often rely on scientific names in their studies, scientific names are given first, in contrast to our other species lists. Because botanical names are less standardized than animal common names, scientific names should be used in the species column on the back of the distribution maps (see Guidelines I, Fig. 5A).

RANGE PLANT LIST

Key to Abbreviations

- RTE = Taxon of special concern (Rare, Threatened, or Endangered)
- C2 = Category 2 Candidate for listing by the U.S. Fish and Wildlife Service (USFWS). Category 2 includes species for which USFWS has information that indicates the taxon may warrant listing, but more information is necessary before listing can be justified.
- CNPS 1B = California Native Plant Society (CNPS) listing as rare, threatened, or endangered in California and elsewhere.
- CNPS 4 = CNPS listing as of limited distribution.
- LR = Locally rare, unusual, or restricted.
- MS = More study required.
- NN= California species not native to watershed.
- I = Introduced. Species not native to California. Such species (198) comprise 29.0% of the total number of species (684) currently listed for District East Bay Watersheds (these figures will change as species are added). The total species count includes hybrids and species identified to genus only.

Species added to list are not in italics.

Ferns and Fern-Allies (spore bearers)

- Lycopodiaceae (club moss family)
Lycopodium clavatum Running Pine
- Marsileaceae (marsilea family)
Marsilea vestita marsilea
- Selaginellaceae
Selaginella sp. spike moss

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Equisetaceae (horsetail family)	
<i>Equisetum arvense</i>	Common Horsetail
<i>E. hyemale</i> ssp. <i>affine</i>	Common Scouring Rush
<i>E. laevigatum</i>	Smooth Scouring Rush
<i>E. telmateia</i> ssp. <i>braunii</i>	Giant Horsetail
Isoetaceae (quillwort family)	
<i>Isoetes nuttallii</i>	quillwort
Azollaceae (mosquito fern family)	
<i>Azolla filiculoides</i>	Water Fern
Blechnaceae (deer fern family)	
LR <i>Woodwardia fimbriata</i>	Giant Chain Fern
Dennstaedtiaceae (bracken family)	
<i>Pteridium aquilinum</i> var. <i>pubescens</i>	Bracken
Dryopteridaceae (wood fern family)	
LR <i>Athyrium filix-femina</i>	Lady Fern
LR <i>Cystopteris fragilis</i>	Fragile Fern
<i>Dryopteris arguta</i>	Wood Fern
<i>D. expansa</i>	Redwood Wood Fern
Polystichum californicum	
<i>Polystichum munitum</i>	Western Sword Fern
Polypodiaceae (polypody family)	
<i>Polypodium californicum</i>	California Polypody
Pteridaceae (brake family)	
LR <i>Adiantum aleuticum</i>	Five-finger Fern
<i>A. jordanii</i>	California Maiden-hair
<i>Pellaea andromedifolia</i>	Coffee Fern
LR <i>P. mucronata</i> var. <i>mucronata</i>	Bird's-foot Fern
<i>Pentagramma triangularis</i> ssp. <i>t</i>	Goldenback Fern

Appendix E

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Gymnosperms (seeds not enclosed in ovary; generally with cones)

Cupressaceae (cypress family)

NN	<i>Calocedrus decurrens</i>	Incense Cedar
I	<i>Cedrus deodora</i>	Deodar Cedar
I	<i>C. atlantica</i> 'Glauca'	Atlas Cedar
NN	<i>Cupressus macrocarpa</i>	Monterey Cypress
NN	<i>Juniperus</i> sp.	juniper

Pinaceae (pine family)

LR	<i>Pinus attenuata</i>	Knobcone Pine
I	<i>P. canariensis</i>	Canary Island Pine
NN	<i>P. coulteri</i>	Coulter Pine
I	<i>P. pinea</i>	Italian Stone Pine
NN	<i>P. ponderosa</i>	Pacific Ponderosa Pine
NN	<i>P. radiata</i>	Monterey Pine
NN	<i>Pseudotsuga menziesii</i>	Douglas Fir

Taxodiaceae (bald cypress family)

I	<i>Metasequoia glyptostroboides</i>	Dawn Redwood
NN	<i>Sequoia sempervirens</i>	Redwood
NN	<i>Sequoiadendron giganteum</i>	Giant Sequoia

Angiosperms - Flowering Plants (seeds enclosed in ovary; flowers present)

CLASS DICOTYLEDONES (Dicots)

Aceraceae (maple family)

	<i>Acer macrophyllum</i>	Big-leaf Maple
	<i>A. negundo</i> var. <i>californicum</i>	Box Elder

Amaranthaceae (amaranth family)

	<i>Amaranthus blitoides</i>	Prostrate Pigweed
	<i>A.</i> sp.	pigweed

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Anacardiaceae (sumac family)

- | | | |
|----|-----------------------------------|--------------------|
| LR | <i>Rhus trilobata</i> | Skunkbrush |
| | <i>Toxicodendron diversilobum</i> | Western Poison Oak |

Apiaceae (carrot family)

- | | | |
|-----------|----------------------------------|-------------------------|
| | <i>Angelica tomentosa</i> | angelica |
| I | <i>Anthriscus caucalis</i> | Bur-chervil |
| | <i>Apiastrum angustifolium</i> | Wild Celery |
| I | <i>Apium graveolens</i> | celery |
| LR | <i>Berula erecta</i> | Cutleaf Water-parsnip |
| | <i>Bowlesia incana</i> | |
| | <i>Cicuta douglasii</i> | Douglas's Water Hemlock |
| I | <i>Conium maculatum</i> | Poison Hemlock |
| | <i>Daucus pusillus</i> | Carrot |
| LR | <i>Eryngium aristulatum</i> | erygium |
| LR,
MS | <i>E. armatum</i> | button-celery |
| I | <i>Foeniculum vulgare</i> | Fennel |
| | <i>Heracleum lanatum</i> | Cow Parsnip |
| | <i>Hydrocotyle ranunculoides</i> | Marsh Pennywort |
| | <i>Ligusticum apiifolium</i> | Celery-leaved Lovage |
| | <i>Lomatium dasycarpum</i> | lomatium |
| | <i>L. macrocarpum</i> | Giant-seeded Lomantium |
| | <i>L. utriculatum</i> | Foothill Lomantium |
| | <i>Oenanthe sarmentosa</i> | Water Parsley |
| | <i>Osmorhiza chilensis</i> | Mountain Sweet Cicely |
| | <i>O. occidentalis</i> | Western Sweet cicely |
| | <i>Perideridia kelloggii</i> | California Yampah |

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LR	<i>P. oregana</i> <i>Sanicula bipinnatifida</i> <i>S. crassicaulis</i>	Oregon Yampah Purple Sanicle Pacific Snakeroot
LR	<i>S. laciniata</i>	snakeroot
I	<i>Scandix pecten-veneris</i> <i>Tauschia hartwegii</i>	Venus' Needle Hartweg's Tauschia
I	<i>Torilis arvensis</i>	hedge nettle
I	<i>T. nodosa</i> <i>Yabea microcarpa</i>	hedge nettle hedge parsley
Apocynaceae (dogbane family)		
LR	<i>Apocynum androsaemifolium</i>	Bitter Dogbane
I	<i>Nerium oleander</i>	Oleander
I	<i>Vinca major</i>	Greater Periwinkle
Araliaceae (ginseng family)		
LR	<i>Aralia californica</i> <i>Hedera helix</i>	Elk Clover English Ivy
Aristolochiaceae (pipevine family)		
	<i>Aristolochia californica</i> <i>Asarum caudatum</i>	Pipevine Wild-ginger
Asclepiadaceae (milkweed family)		
	<i>Asclepias fascicularis</i> <i>A. speciosa</i>	Narrow-leaf Milkweed Showy Milkweed
Asteraceae (sunflower family)		
	<i>Achillea millefolium</i> <i>Achyrochaena mollis</i> <i>Agoseris heterophylla</i> <i>Anaphalis margaritacea</i>	Yarrow Blow-wives Woodland Agoseris Pearly Everlasting
I	<i>Anthemis cotula</i>	Mayweed

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MS	<i>Arnica discoidea</i>	Woodland Daisey
	<i>Artemesia californica</i>	California Sagebrush
	<i>A. douglasiana</i>	Mugwort
	<i>Aster chilensis</i>	Chilean Aster
MS	<i>A. radulinus</i>	aster
	<i>A. subulatus</i> var. <i>ligulatus</i>	aster
LR	<i>Baccharis douglasii</i>	Marsh Baccharis
	<i>B. pilularis</i>	Coyote Brush
LR	<i>B. salicifolia</i>	Mule Fat
LR, MS	<i>Calycadenia truncata</i>	Rosin Weed
I	<i>Carduus pycnocephalus</i>	Italian Thistle
I	<i>Centaurea calcitrapa</i>	Purple Star-thistle
I	<i>C. cyanus</i>	Bachelor's Button
I	<i>C. melitensis</i>	Tocalote
I	<i>C. solstitialis</i>	Yellow Star-thistle
I	<i>Chamomilla suaveolens</i>	Pineapple Weed
I	<i>Cichorium intybus</i>	Chicory
RT	<i>Cirsium andrewsii</i>	Franciscan Thistle (CNPS 4)
LR	<i>C. occidentale</i>	Cobweb Thistle
LR	<i>C. quercetorum</i>	Brownie Thistle
I	<i>C. vulgare</i>	Bull Thistle
I	<i>Conyza bonariensis</i>	Flax-leaved Fleabane
	<i>C. canadensis</i>	Horseweed
I	<i>Cotula coronopifolia</i>	Brass-buttons
I	<i>Cynara cardunculus</i>	Artichoke Thistle
	<i>Erechtites</i> sp.	fireweed
MS	<i>Ericameria arborescens</i>	Golden-fleece
	<i>Erigeron foliosus</i>	Leafy Daisy
LR	<i>E. philadelphicus</i>	Philadelphia Daisy
	<i>Eriophyllum confertiflorum</i>	Golden-yarrow
	<i>Filago californica</i>	California Herba Impia

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I	<i>F. gallica</i> <i>Gnaphalium californicum</i>	herba impia
I	<i>G. luteo-album</i> <i>G. purpureum</i> <i>Grindelia camporum</i> <i>Helenium puberulum</i>	White Cudweed everlasting Great Valley Gumplant Rosilla
RT	<i>Helianthella castanea</i> <i>Hemizonia congesta</i>	Diablo Helianthella (C2, CNPS 1B) Hayfield Tarweed
MS	<i>H. c. spp. luzulifolia</i> <i>H. pungens</i> <i>Hesperevax caulescens</i> <i>H. sparsiflora</i> <i>H. sparsiflora</i> <i>Heterotheca grandiflora</i> <i>H. sessiliflora</i> <i>Hieracium albiflorum</i>	Hayfield Tarweed Common Spikeweed Hogwallow Starfish Telegraph Weed goldenaster White Hawkweed
RT, NN	<i>Holocarpha macradenia</i> <i>H. virgata</i>	Santa Cruz Tarplant (C1/SE CNPS 1B) Tarplant
I	<i>Hypochaeris glabra</i>	Smooth Cat's-ear
I	<i>H. radicata</i>	Rough Cat's-ear
I	<i>Lactuca saligna</i>	Lettuce
I	<i>L. serriola</i>	Prickly Lettuce
I	<i>L. virosa</i> <i>Lagophylla ramosissima</i>	Woodland Lettuce lagophylla
LR, MS	<i>Lasthenia californica</i> <i>L. glabrata</i>	goldfields Smooth Lasthenia
LR	<i>Layia gaillardiioides</i> <i>L. hieracioides</i>	Woodland Layia layia
LR	<i>Madia elegans ssp. densifolia</i> <i>M. gracilis</i>	Common Madia Slender Tarweed

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LR	<i>M. madioides</i> <i>M. sativa</i>	Woodland Madia Coast Tarweed
MS	<i>Micropus amphibolus</i> <i>Micropus californicus</i> <i>Microseris campestris</i> <i>M. douglasii</i> Monolopia major	Mt. Diablo cottonweed Slender Cottonweed microseris Douglas's Microseris
LR	<i>Petasites frigidus</i> var. <i>palmatus</i>	Colt's foot
I	<i>Picris echioides</i> <i>Psilocarphus brevissimus</i> <i>P. tenellus</i> var. <i>tenellus</i> <i>Senecio aronicoides</i>	Bristly Ox-tongue Wooley-heads California Butterweed
I	<i>S. mikanioides</i>	German-ivy
I	<i>S. sylvaticus</i>	
I	<i>S. vulgaris</i>	Common Butterweed
I	<i>Silybum marianum</i> <i>Solidago californica</i>	Milk Thistle California Goldenrod
I	<i>Sonchus asper</i> ssp. <i>asper</i>	Prickly Sow Thistle
I	<i>S. oleraceus</i>	Common Sow Thistle
	<i>Stephanomeria virgata</i>	Twiggy Wreath Plant
I	<i>Taraxacum officinale</i>	Dandelion
I	<i>Tragopogon porrifolius</i> <i>Wyethia angustifolia</i> <i>W. glabra</i> <i>W. helenioides</i> <i>Xanthium spinosum</i> <i>X. strumarium</i>	Salsify Narrow-leaf Mule Ears Green Mule Ears Gray Mule Ears Spiny Cocklebur Cocklebur
Berberidaceae (barberry family)		
LR	<i>Berberis pinnata</i>	barberry

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Betulaceae (birch family)	
	<i>Alnus rhombifolia</i> White Alder
	<i>Corylus cornuta</i> var. <i>californica</i> Hazelnut
Bignoniaceae (bignonia family)	
I	<i>Catalpa speciosa</i> Northern Catalpa
Boraginaceae (borage family)	
LR, MS	<i>Amsinckia eastwoodiae</i> Eastwood Fiddleneck
RT	<i>A. lunaris</i> Bent-flowered Fiddleneck (CNPS 4)
	<i>A. lycopsoides</i>
	<i>A. menziesii</i> var. <i>intermedia</i> Rancher's Fireweed
MS	<i>Cryptantha</i> sp. cryptantha
	<i>Cynoglossum grande</i> Grand Hound's Tongue
I	<i>Myosotis discolor</i> forget-me-not
	<i>Plagiobothrys nothofulvus</i> Popcornflower
	<i>P. stipitatus</i> var. <i>micranthus</i> popcornflower
	<i>P. s.</i> var. <i>stipitatus</i> popcornflower
Brassicaceae (mustard family)	
I	<i>Alyssum strigosum</i> alyssum
	<i>Arabis glabra</i> Tower Mustard
	<i>Athysanus pusillus</i>
	<i>Barbarea orthoceras</i> American Winter Cress
I	<i>Brassica nigra</i> Black Mustard
I	<i>B. rapa</i> Field Mustard
I	<i>Capsella bursa-pastoris</i> Shepherd's Purse
	<i>Cardamine californica</i> Milk Maids
	<i>C. oligosperma</i> Western Bitter-cress
I	<i>Cardaria draba</i> Heart-podded Hoary Cress
I	<i>Eryssimum</i> sp. weed
	<i>Guillenia lasiophylla</i> California Mustard
I	<i>Hirschfeldia incana</i> Summer Field Mustard

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RT 4)	<i>Lepidium latipes</i> var. <i>latipes</i>	Dwarf Peppergrass (CNPS)
	<i>L. nitidum</i>	Shining Peppergrass
I	<i>Lunaria annua</i>	Moonwort
I	<i>Raphanus raphanistrum</i>	Jointed Charlock
I	<i>R. sativus</i>	Radish
	<i>Rorippa nasturtium-aquaticum</i>	Water Cress
I	<i>Sinapis arvensis</i>	Charlock
I	<i>Sisymbrium officinale</i>	Hedge Mustard
	<i>Streptanthus glandulosus</i>	Jewelflower
	ssp. <i>glandulosus</i>	
	<i>Thysanocarpus curvipes</i>	Lacepod
Cactaceae (cactus family)		
	<i>Opuntia</i> sp.	Beavertail cactus (India fig)
Callitrichaceae (water-starwort family)		
	<i>Callitriche heterophylla</i>	water-starwort
	var. <i>bolanderi</i>	
	<i>C. marginata</i>	water-starwort
Campanulaceae (bluebell family)		
	<i>Triodanus biflora</i>	venus looking-glass
Caprifoliaceae (honeysuckle family)		
	<i>Lonicera hispidula</i> var. <i>vacillans</i>	honeysuckle
MS	<i>L. interrupta</i>	Chaparral Honeysuckle
	<i>L. involucrata</i> var. <i>ledebourii</i>	Twinberry
	<i>Sambucus mexicana</i>	Blue Elderberry
	<i>S. racemosa</i>	Red Elderberry
	<i>Symphoricarpos</i>	snowberry
	<i>albus</i> var. <i>laevigatus</i>	
	<i>S. mollis</i>	Creeping Snowberry
Caryophyllaceae (pink family)		
	<i>Cerastium arvense</i>	Field Chickweed
I	<i>C. fontanum</i> ssp. <i>vulgare</i>	chickweed

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I	<i>C. glomeratum</i> <i>Minuartia californica</i>	Mouse-ear Chickweed California Sandwort
I	<i>Petrorhagia</i> sp. <i>Sagina apetala</i>	Dwarf Pearlwort
MS	<i>Silene antirrhina</i>	catchfly
LR	<i>S. californica</i>	California Indian Pink
I	<i>Spergula arvensis</i> ssp. <i>arvensis</i>	Stickwort
I	<i>S. gallica</i>	Common Catchfly
I	<i>Spergularia rubra</i>	Ruby Sand-spurrey
I	<i>Stellaria media</i> <i>S. nitens</i>	Common Chickweed shining chickweed
	Ceratophyllaceae (hornwort family) <i>Ceratophyllum demersum</i>	Hornwort
	Chenopodiaceae (goosefoot family)	
I	<i>Atriplex rosea</i>	Tumbling Oracle
I	<i>Bassia hyssopifolia</i>	Bassia Five-hook
I	<i>Chenopodium album</i>	Lamb's Quarters
I	<i>Salsola tragus</i>	tumbleweed
	Cistaceae (rock-rose family)	
I	<i>Cistus creticus</i> <i>Heliathemum scoparium</i>	rockrose Peak Rush-rose
	Convolvulaceae (morning-glory family)	
	<i>Calystegia purpurata</i> <i>C. subacaulis</i>	Hill Morning-glory
I	<i>Convolvulus arvensis</i>	Bindweed
	Cornaceae (dogwood family)	
	<i>Cornus sericea</i> ssp. <i>occidentalis</i> <i>C. s. ssp. sericea</i>	American Dogwood American Dogwood

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Crassulaceae (stonecrop family)

	<i>Crassula aquatica</i>	crassula
	<i>Sedum spathulifolium</i>	Pacific Sedum

Cucurbitaceae (gourd family)

	<i>Marah fabaceus</i>	California Man-root
	<i>M. oreganus</i>	Coast Man-root

Cuscutaceae (dodder family)

	<i>Cuscuta subinclusa</i>	dodder
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Dipsacaceae (teasel family)

I	<i>Dipsacus fullonum</i>	Wild Teasel
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Ebony Family

I	Persimmon sp.	
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Ericaceae (heath family)

	<i>Arbutus menziesii</i>	Pacific Madrone
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RT, MS	<i>Arctostaphylos pallida</i>	Pallid Manzanita (C1/SE CNPS 1B)
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	<i>A. tomentosa</i> ssp. <i>crustacea</i>	Woolly Manzanita
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MS	<i>Gaultheria shallon</i>	Salal
	<i>Vaccinium ovatum</i>	California Huckleberry

Euphorbiaceae (spurge family)

I	<i>Chamaesyce maculata</i>	Spotted Spurge
	<i>Eremocarpus setigerus</i>	Turkey Mullein
	<i>Euphorbia crenulata</i>	Chinese Caps

I	<i>E. pepplus</i>	Petty Spurge
	<i>E. spathulata</i>	spurge

Fabaceae (legume family)

I	<i>Acacia baileyana</i>	Cootamundra Wattle
I	<i>A. dealbata</i>	Silver Wattle
I	<i>A. longifolia</i>	Sydney Golden Wattle
I	<i>A. melanoxylon</i>	Blackwood Acacia
	<i>Astragalus gambelianus</i>	Gambell's Dwarf Locoweed

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NN	<i>Cercis occidentalis</i>	Western Redbud
I	<i>Cytisus scoparius</i>	Scotch Broom
I	<i>Genista monspessulana</i>	French Broom
LR	<i>Lathyrus jepsonii</i> var. <i>californicus</i> <i>Lathyrus vestitus</i> <i>L. sp.</i>	Pacific Pea white wild pea
I	<i>Lotus corniculatus</i> <i>L. formosissimus</i> <i>L. humistratus</i> <i>L. junceus</i> <i>L. micranthus</i> <i>L. oblongifolius</i> <i>L. paculobus</i> <i>L. purshianus</i> var. <i>purshianus</i>	Birdfoot Trefoil Bicolored Lotus Hill Lotus lotus Miniature Lotus Torrey's Lotus big pod lupin Spanish Lotus
	<i>L. scoparius</i>	California Broom
I	<i>L. uliginosus</i> <i>Lupinus albifrons</i> <i>L. bicolor</i> <i>L. formosus</i> <i>L. latifolius</i> <i>L. microcarpus</i> var. <i>densiflorus</i> <i>L. m. var microcarpus</i> <i>L. nanus</i> <i>L. succulentus</i>	lotus Silver Bush Lupine Miniature Lupine lupine Spike-flowered Lupine Chick Lupine Chick Lupine Sky Lupine Arroyo Lupine
I	<i>Medicago arabica</i>	Spotted Burclover
I	<i>M. polymorpha</i>	California Burclover
I	<i>M. sativa</i>	Alfalfa
I	<i>Melilotus alba</i>	White Sweetclover
I	<i>M. indica</i>	Sourclover
LR	<i>Pickeringia montana</i>	Chaparral Pea
I	<i>Robinia pseudoacacia</i> <i>Rupertia physodes</i> <i>Trifolium barbigerum</i>	Black Locust Rupert's Scurf-pea Bearded Clover

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	<i>T. bifidum</i>	
I	<i>T. campestre</i>	
	<i>T. ciliolatum</i>	
	<i>T. depauperatum</i>	Balloon Clover
I	<i>T. dubium</i>	Shamrock
I	<i>T. fragiferum</i>	Strawberry Clover
	<i>T. fucatum</i>	Bull Clover
	<i>T. graciletum</i>	
I	<i>T. hirtum</i>	Rose Clover
	<i>T. microdon</i>	
I	<i>T. pratense</i>	Red Clover
I	<i>T. repens</i>	White Clover
	<i>T. willdenovii</i>	Tomcat Clover
	<i>Vicia americana</i> var. <i>americana</i>	American Vetch
LR	<i>V. gigantea</i>	Giant Vetch
	<i>V. ludoviciana</i>	Slender Vetch
I	<i>V. sativa</i>	Spring Vetch
I	<i>V. sativa</i> ssp. <i>nigros</i>	
I	<i>V. villosa</i>	Winter Vetch
	Fagaceae (oak family)	
MS	<i>Chrysolepis chrysophylla</i>	Giant Chinquapin
	<i>C. c.</i> var. <i>minor</i>	Giant Chinquapin
	<i>Quercus agrifolia</i>	Coast Live Oak
LR	<i>Q. chrysolepis</i>	Canyon Live Oak
	<i>Q. douglasii</i>	Blue Oak
	<i>Q. dumosa</i>	Nuttall's Scrub Oak
	<i>Q. kelloggii</i>	California Black Oak
LR,	<i>Q. k.</i> <i>Q. agrifolia</i>	Chase Oak
MS		
LR	<i>Q. k.</i> <i>Q. wislizenii</i>	Morehus Oak
	<i>Q. lobata</i>	Valley Oak

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LR,	<i>Q. l. ? Q. douglasii</i>	Bluish Valley Oak
MS	<i>Q. parvula</i> var. <i>shrevei</i>	Shreve Live Oak
I	<i>Q. suber</i>	Cork Oak
	<i>Q. wislizenii</i>	Interior Live Oak
MS	<i>Q. w.</i> var. <i>frutescens</i>	Interior Live Oak
Garryaceae (silk tassel family)		
LR	<i>Garrya elliptica</i>	Silk Tassel Bush
Gentianaceae (gentian family)		
	<i>Centaurium davyi</i>	
	<i>C. muehlenbergii</i>	Monterey Centaury
	<i>C. sp</i>	(At Lafayette Res.)
Geraniaceae (geranium family)		
I	<i>Erodium botrys</i>	Long-beaked Storksbill
I	<i>E. cicutarium</i>	Redstem Storksbill
I	<i>E. moschatum</i>	Whitestem Storksbill
I	<i>Geranium dissectum</i>	Cut-leaf Geranium
I	<i>G. molle</i>	Doves-foot Geranium
I	<i>G. potentilloides</i>	geranium
Grossulariaceae (gooseberry family)		
	<i>Ribes californicum</i>	Hillside Gooseberry
	<i>R. divaricatum</i>	
	<i>R. menziesii</i>	Canyon Gooseberry
	<i>R. sanguineum</i> var. <i>glutinosum</i>	Red Flowering Current
Haloragaceae (water-milfoil family)		
	<i>Myriophyllum</i> sp.	water-milfoil
Hippocastanaceae (buckeye family)		
	<i>Aesculus californica</i>	California Buckeye
Hydrophyllaceae (waterleaf family)		
MS	<i>Eriodictyon californicum</i>	yerba santa
LR	<i>Nemophila heterophylla</i>	Woodland Nemophila
LR	<i>N. menziesii</i>	Baby Blue-eyes
	<i>Phacelia californica</i>	California Phacelia
	<i>P. distans</i>	Common Phacelia
	<i>P. imbricata</i>	Blue Phacelia
	<i>P. malvifolia</i>	Yellow Phacelia

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Hypericaceae (St. John's wort family)		
	<i>Hypericum anagalloides</i>	Tinker's Penny
Juglandaceae (walnut family)		
	<i>Juglans californica</i>	California Black Walnut
RT	<i>J. c.</i> var. <i>hindsii</i>	Northern California Black Walnut (C2, CNPS 1B)
I	<i>J. regia</i>	English Walnut
Lamiaceae (mint family)		
I	<i>Glechoma hederacea</i>	Ground Ivy
I	<i>Lamium amplexicaule</i>	Clasping Henbit
I	<i>Melissa officianalis</i>	bee balm
I	<i>Marrubium vulgare</i>	Horehound
I	<i>Mentha ?piperita</i>	Peppermint
I	<i>M. pulegium</i>	Pennyroyal
I	<i>M. spicata</i>	Spearmint
RT	<i>Monardella antonina</i> ssp. <i>antonina</i>	San Antonio Hills Monardella (CNPS 4)
	<i>M. villosa</i>	coyote-mint
	<i>Pogogyne serpylloides</i>	pogogyne
	<i>Prunella vulgaris</i>	Self-heal
	<i>Salvia columbarae</i>	Chia
	<i>S. mellifera</i>	Black Sage
	<i>Satureja douglasii</i>	Yerba Buena
LR	<i>Scutellaria californica</i>	California Skullcap
	<i>S. tuberosa</i>	Danny's Skullcap
	<i>Stachys ajugoides</i> var. <i>rigida</i>	Rigid Hedge Nettle
	<i>S. bullata</i>	California Hedge Nettle
	<i>S. pycnantha</i>	Short-spiked Hedge Nettle
Lauraceae (laurel family)		
	<i>Umbellularia californica</i>	California Bay
Linaceae (flax family)		
I	<i>Linum usitatissimum</i>	Common Flax
Lythraceae (loosestrife family)		
LR,MS		<i>Lythrum californicum</i>
California Loosestrife		
I	<i>L. hyssopifolium</i>	Hyssop

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Malvaceae (mallow family)		
I	<i>Malva neglecta</i>	Common Mallow
I	<i>M. parviflora</i>	Cheeseweed
	<i>Sidalcea malvaeflora</i>	Checker Mallow
Moraceae (mulberry family)		
I	<i>Ficus carica</i>	Edible Fig
Myricaceae (wax myrtle family)		
LR	<i>Myrica californica</i>	Wax Myrtle
Myrtaceae (myrtle family)		
I	<i>Callistemon citranis</i>	Bottlebrush
I	<i>Eucalyptus camaldulensis</i>	Red Gum
I	<i>E. citriodora</i>	Lemon-scented Gum
I	<i>E. globulus</i>	Blue Gum
Oleaceae (olive family)		
LR	<i>Fraxinus latifolia</i>	Oregon Ash
I	<i>Olea europaea</i>	Olive
Onagraceae (evening primrose family)		
	<i>Camissonia ovata</i>	Sun Cup
MS	<i>Clarkia concinna</i> ssp. <i>concinna</i>	Red Ribbons
MS	<i>C. purpurea</i> ssp. <i>purpurea</i>	Farewell-to-spring
	<i>C. p.</i> ssp. <i>quadrivulnera</i>	farewell-to-spring
	<i>C. rubicunda</i>	Godetia
	<i>C. unguiculata</i>	Elegant Clarkia
	<i>Epilobium brachycarpum</i>	
	<i>E. canum</i>	Zauschneria
	<i>E. ciliatum</i> ssp. <i>ciliatum</i>	
	<i>E. c.</i> ssp. <i>watsoni</i>	Watson's Fireweed
	<i>E. densiflorum</i>	
Orobanchaceae (broom-rape family)		
	<i>Boschniakia strobilacea</i>	California Ground-cone
	<i>Orobanche fasciculata</i>	Clustered Broom-rape
	<i>O. uniflora</i>	Naked Broom-rape
Oxalidaceae (oxalis family)		
I	<i>Oxalis corniculata</i>	Creeping Wood Sorrel
	<i>O. oregana</i>	Redwood Sorrel
I	<i>O. pes-caprae</i>	Bermuda Buttercup

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Papaveraceae (poppy family)

	<i>Dendromecon rigida</i>	Bush Poppy
	<i>Dicentra formosa</i>	Bleeding Heart
	<i>Eschscholzia californica</i>	California Poppy
LR	<i>Meconella californica</i>	
RT	<i>Meconella oregana</i>	Oregon Meconella
	(Ore)	
LR	<i>Platystemon californicus</i>	Cream Cups
NN	<i>Romneya coulteri</i>	Coulter's Matilija Poppy
LR	<i>Stylomecon heterophylla</i>	Wind Poppy

Plantaginaceae (plantain family)

	<i>Plantago erecta</i>	Dwarf Ribwort
I	<i>P. lanceolata</i>	English Plantain
I	<i>P. major</i>	Common Plantain

Platanaceae (sycamore family)

LR	<i>Platanus racemosa</i>	Western Sycamore
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Polemoniaceae (phlox family)

	<i>Collomia heterophylla</i>	Veri-leaf Collomia
LR	<i>Eriastrum pluriflorum</i>	Many-flower Eriastrum
	<i>Gilia achilleifolia</i> ssp. <i>multicaulis</i>	
	<i>Linathus androsaseus</i>	False Baby Stars
LR,	<i>L. bicolor</i>	True Baby Linanthus
MS		
	<i>L. parviflorus</i>	
LR	<i>Navarretia mellita</i>	
MS	<i>N. pubescens</i>	Downy Navarretia
	<i>N. squarrosa</i>	Skunkweed

LR, *Polemonium carneum*

MS

Polygalaceae (milkwort family)

LR	<i>Polygala californica</i>	milkwort
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Polygonaceae (buckwheat family)

NN	<i>Eriogonum fasciculatum</i>	California Buckwheat
	<i>E. nudum</i>	Naked Eriogonum
I	<i>Polygonum arenastrum</i>	Common Knotweed
	<i>P. amphibium</i> var. <i>stipulaceum</i>	Water Smartweed
I	<i>P. douglasii</i>	Douglas's Knotweed
I	<i>Rumex acetosella</i>	Sheep Sorrel

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I	<i>R. conglomeratus</i>	Whorled Dock
I	<i>R. crispis</i>	Curley Dock
	<i>R. salicifolius</i>	Willow Dock
Portulacaceae (purslane family)		
	<i>Calandrinia ciliata</i>	Red Maids
	<i>Claytonia perfoliata</i>	Miner's Lettuce
LR	<i>Montia fontana</i>	Water Chickweed
I	<i>Portulaca oleracea</i>	Common Puslane
Primulaceae (primrose family)		
I	<i>Anagallis arvensis</i>	Scarlet Pimpernel
LR	<i>Dodecatheon hendersonii</i>	Shooting Star
	<i>Trientalis latifolia</i>	Pacific Starflower
Punicaceae (pomegranate family)		
I	<i>Punica granatum</i>	Pomegranate
Ranunculaceae (buttercup family)		
	<i>Actaea rubra</i>	Baneberry
LR	<i>Aquilegia formosa</i>	Crimson Columbine
	<i>Clematis lasiantha</i>	Chaparral Clematis
	<i>C. ligusticifolia</i>	Virgin's Bower
LR,	<i>Delphinium decorum</i>	Yellowtinge Larkspur
MS		
LR	<i>D. hesperium</i>	Western Larkspur
	<i>D. nudicaule</i>	Red or Orange Larkspur
	<i>D. patens</i>	
LR	<i>Ranunculus aquatilis</i>	Water Buttercup
	<i>R. californicus</i>	California Buttercup
RT	<i>R. lobbii</i>	Lobb's Aquatic Buttercup (CNPS 4)
I	<i>R. muricatus</i>	Prickleseed Buttercup
	<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	meadow-rue
Rhamnaceae (buckthorn family)		
	<i>Ceanothus cuneatus</i>	California-lilac
NN	<i>C. griseus</i>	Carmel Ceanothus
	<i>C. oliganthus</i> var. <i>sorediatus</i>	Jim Brush
LR,	<i>C. thyrsiflorus</i>	Blue Blossom
	<i>Rhamnus californica</i>	California Coffeeberry
LR	<i>R. crocea</i>	Spiny Redberry

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Rosaceae (rose family)

I	<i>Acaena novae-zelandiae</i>	Biddy-biddy
LR	<i>A. pinnatifida</i>	acaena
	<i>Adenostoma fasciculatum</i>	Chamise
LR	<i>Amelachier utahensis</i>	Utah Service-berry
	<i>Aphanes occidentalis</i>	
	<i>Cercocarpus betuloides</i>	Mountain Mahogany
I,LR	<i>Cotoneaster franchetii</i>	cotoneaster
I	<i>C. pannosta</i>	cotoneaster
NN	<i>Crataegus</i> sp.	hawthorn
I	<i>Duchesnea indica</i>	Mock-strawberry
	<i>Fragaria vesca</i>	Wood Strawberry
	<i>Heteromeles arbutifolia</i>	Toyon
	<i>Holodiscus discolor</i>	Oceanspray
LR	<i>Horkelia californica</i> ssp. <i>frondosa</i>	horkelia
I	<i>Malus sylvestris</i>	Common Apple
	<i>Oemleria cerasiformis</i>	Oso Berry
	<i>Physocarpus capitatus</i>	Ninebark
	<i>Potentilla glandulosa</i>	Sticky Cinquefoil
	<i>Prunus avium</i>	Sweet Cherry
I	<i>P. cerasifera</i>	Cherry Plumb
I	<i>P. c. 'Atropurpurea'</i>	Purple-leaf Plumb
I	<i>P. dulcis</i>	Almond
LR	<i>P. emarginata</i>	Bitter Cherry
LR	<i>P. subcordata</i>	prunus
MS	<i>P. virginiana</i> var. <i>demissa</i>	western choke-cherry
I	<i>Pyracantha angustifolia</i>	Firethorn
I	<i>Pyrus communis</i>	Pear
	<i>Rosa californica</i>	California Rose
	<i>R. gymnocarpa</i>	Wood Rose
LR	<i>R. spithamea</i>	Ground Rose
I	<i>Rubus discolor</i>	Himalayan Blackberry
	<i>R. parviflorus</i>	Thimbleberry
	<i>R. ursinus</i>	California Blackberry

Rubiaceae (madder family)

	<i>Galium andrewsii</i>	Phlox-leaved Bedstraw
	<i>G. aparine</i>	Goose Grass
	<i>G. californicum</i>	California Bedstraw
I	<i>G. murale</i>	Tiny Bedstraw
	<i>G. nuttallii</i>	San Diego Bedstraw
	<i>G. porrigens</i> var. <i>porrigens</i>	climbing bedstraw

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	<i>G. trifidum</i> var. <i>pacificum</i>	bedstraw
	<i>G. triflorum</i>	Sweet-scented Bedstraw
I	<i>Sherardia arvensis</i>	Field Madder
Rutaceae (rue family)		
LR	<i>Ptelea crenulata</i>	Hop Tree
Salicaceae (willow family)		
	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	Black Cottonwood
	<i>P. fremontii</i> ssp. <i>fremontii</i>	Fremont Cottonwood
I	<i>P. nigra</i> 'Italica'	Lombardy Poplar
	<i>Salix exigua</i>	Narrow-leaved Willow
LR	<i>S. gooddingii</i>	Goodding's Black Willow
	<i>S. laevigata</i>	Red Willow
	<i>S. lasiolepis</i>	Arroyo Willow
	<i>S. lucida</i> ssp. <i>lasiandra</i>	Shining Willow
LR	<i>S. scouleriana</i>	Scouler's Willow
LR,	<i>S. sitchensis</i>	Sitka Willow
MS		
Saxifragaceae (saxifrage family)		
	<i>Heuchera micrantha</i>	Crevice Heuchera
	<i>Lithophragma affine</i>	Woodland Star
	<i>L. heterophyllum</i>	woodland star
LR	<i>Saxifraga californica</i>	California Saxifrage
	<i>Tellima grandiflora</i>	Fringe Cups
MS	<i>Tolmiea menziesii</i>	
Scrophulariaceae (figwort family)		
LR	<i>Antirrhinum vexillo-calyculatum</i>	snapdragon
I	<i>Bellardia trixago</i>	Bellardia
	<i>Castilleja affinis</i>	Coast Paintbrush
	<i>C. attenuata</i>	Valley Tassels
	<i>C. exserta</i>	Purple Owl's-clover
	<i>C. foliolosa</i>	Wooley Indian Paintbrush
	<i>C. rubicundula</i> ssp. <i>lithospermoides</i>	Cream Sacs
LR	<i>C. wightii</i>	Wight's Paintbrush
	<i>Collinsia heterophylla</i>	Chinese Houses
LR	<i>Cordylanthus pilosus</i>	bird's-beak
	<i>Mimulus aurantiacus</i>	Sticky Monkeyflower
LR	<i>M. cardinalis</i>	Scarlet Monkeyflower
	<i>M. guttatus</i>	Seep-spring Monkeyflower

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LR, MS	<i>M. primuloides</i>	Primrose Monkeyflower
	<i>Pedicularis densiflora</i>	Indian Warrior
	<i>Penstemon heterophyllus</i>	Foothill Penstemon
	<i>Scrophularia californica</i>	California Figwart
	<i>Triphysaria eriantha</i>	Butter-and-eggs
	<i>T. pusilla</i>	
I	<i>Verbascum thapsus</i>	Wooly Mullein
	<i>Veronica americana</i>	American Brooklime
I	<i>V. arvensis</i>	speedwell
Simaroubaceae (quassia family)		
I	<i>Ailanthus altissima</i>	Tree of Heaven
Solanaceae (nightshade family)		
I	<i>Nicotiana glauca</i>	Tree Tobacco
	<i>Solanum americanum</i>	Hairy Nightshade
	<i>S. umbelliferum</i>	Bluewitch
Sterculiaceae (cacao family)		
NN	<i>Fremontodendron californicum</i>	Fremontia
Thymelaeaceae (mezereum family)		
RT	<i>Dirca occidentalis</i>	Western Leatherwood (CNPS 1B)
Tropaeolaceae (nasturtium family)		
I	<i>Tropaeolum majus</i>	Garden Nasturtium
Ulmaceae (elm family)		
I	<i>Ulmus americana</i>	American Elm
Urticaceae (nettle family)		
	<i>Urtica dioica</i> ssp. <i>gracilis</i>	American Stinging Nettle
	<i>U. d.</i> ssp. <i>holosericea</i>	Hoary Nettle
Valerianaceae (valerian family)		
I	<i>Centranthus ruber</i>	Red Valerian
	<i>Plectris ciliosa</i> ssp. <i>ciliosa</i>	Long-spurred Plectris
NN	<i>Valeriana sitchensis</i>	Mountain Valerian
Verbenaceae (vervain family)		
	<i>Phyla nodiflora</i> var. <i>nodiflora</i>	Lippia
I	<i>Verbena bonariensis</i>	verbena
	<i>V. lasiostachys</i>	Western Verbena

Appendix E

RANGE PLANT LIST

	Violaceae (violet family)	
	<i>Viola glabella</i>	Stream Violet
	Viscaceae (mistletoe family)	
	<i>Phoradendron villosum</i>	Oak Mistletoe
	Vitaceae (grape family)	
	<i>Vitis californica</i>	California Wild Grape
	Zygophyllaceae (caltrop family)	
I	<i>Tribulus terrestris</i>	Puncture Vine
CLASS MONOCOTYLEDONES (Monocots)		
	Alismataceae (water-plantain family)	
NN	<i>Sagittaria latifolia</i>	Duck Potato
	Cyperaceae (sedge family)	
	<i>Carex barbarae</i>	Barbara Sedge
	<i>C. hassei</i>	Hasses' Sedge
	<i>C. tumulicola</i>	sedge
	<i>Cyperus eragrostis</i>	nutsedge
	<i>C. strigosus</i>	False Nutsedge
	<i>Eleocharis acicularis</i> var. <i>bella</i>	spikerush
	<i>E. macrostachya</i>	Common Spikerush
	<i>Scirpus acutus</i> var. <i>occidentalis</i>	tule
	<i>S. americanus</i>	bullrush
	<i>S. californicus</i>	California Bullrush
MS	<i>S. cernuus</i>	bullrush
	<i>S. microcarpus</i>	bullrush
	Hydrocharitaceae (waterweed family)	
MS	<i>Elodea canadensis</i>	Common Waterweed
I	<i>Hydrilla verticillata</i>	Hydrilla
LR	<i>Najas flexilis</i>	Slender Water-nymph
	Iridaceae (iris family)	
LR	<i>Iris douglasiana</i>	Douglas's Iris
I	<i>I. pseudoacorus</i>	Yellow Flag
I	<i>I. sp.</i>	Bearded Iris
	<i>Sisyrinchium bellum</i>	Blue-eyed-grass
LR	<i>S. californicum</i>	Golden-eyed-grass

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Juncaceae (rush family)	
	<i>Juncus balticus</i> Baltic Rush
	<i>J. bufonius</i> Toad Rush
	<i>J. effusus</i> var. <i>pacificus</i> common rush
	<i>J. mexicanus</i> Mexican Rush
	<i>J. patens</i> blue rush
LR	<i>J. phaeocephalus</i> Spring Rush
	<i>J. xiphioides</i> Iris-leaf Rush
	<i>Luzula comosa</i> Common Wood Rush
Juncaginaceae (arrow-grass family)	
	<i>Lilaea scilloides</i> Flowering-quillwort
Lemnaceae (duckweed family)	
	<i>Lemna gibba</i> duckweed
	<i>Wolffia columbiana</i> Water-meal
Liliaceae (lily family)	
LR,MS	<i>Allium peninsulare</i> var.
	<i>franciscanum</i> onion
LR	<i>A. serra</i> onion
I	<i>A. triquetrum</i> onion
LR	<i>A. unifolium</i> onion
I	<i>Amaryllus</i> sp. Naked Lady
	<i>Brodiaea elegans</i> Harvest Brodiaea
MS	<i>B. sp.</i> brodiaea
LR	<i>Calochortus albus</i> White Globe Lily
	<i>C. luteus</i> Gold Nuggets
RT	<i>C. pulchellus</i> Mt. Diablo Fairy Lantern (CNPS 1B)
RT	<i>C. umbellatus</i> Oakland Star-tulip (CNPS 4)
	<i>C. venustus</i> Square Mariposa Tulip
	<i>Chlorogalum pomeridianum</i> Wavy-leaf Soap Plant
	<i>Dichelostemma capitatum</i> Blue Dicks
LR	<i>D. congestum</i> ookow
LR,	<i>D. volubile</i> Twining Brodiaea
MS	
	<i>Disporum hookeri</i> Hooker's Fairybell
LR,	<i>D. smithii</i> Smith's Fairybell
MS	
LR	<i>Fritillaria affinis</i> Checker Lily
LR	<i>Lilium pardalinum</i> ssp. <i>pardalinum</i> Leopard Lily

Appendix E

RANGE PLANT LIST

	<i>Smilacina racemosa</i>	Branched Soloman's Seal
	<i>S. stellata</i>	Star Soloman's Seal
	<i>Trillium chloropetalum</i>	Giant Trillium
	<i>T. ovatum</i>	White Trillium
LR	<i>Triteleia hyacinthina</i>	White Brodiaea
	<i>T. laxa</i>	Ithuriel's Spear
	<i>Zigadenus fremontii</i>	Death Camas
Orchidaceae (orchid family)		
LR	<i>Corallorhiza maculata</i>	Spotted Coralroot
LR	<i>C. striata</i>	Striped Coralroot
LR,	<i>Epipactis gigantea</i>	Stream Orchid
MS		
I	<i>E. helleborine</i>	stream orchid
LR	<i>Piperia elegans</i>	Rein Orchid
Poaceae (grass family)		
I	<i>Aegilops triuncialis</i>	Barbed Goatgrass
	<i>Agrostis avenacea</i>	Bentgrass
LR,	<i>A. exarata</i>	Spike Redtop
MS		
	<i>A. pallens</i>	Woodland Bentgrass
I	<i>Aira caryophyllea</i>	Silver European Hairgrass
LR	<i>Alopecurus saccatus</i>	foxtail
I	<i>Avena barbata</i>	Slender Wild Oat
I	<i>A. fatua</i>	Wild Oat
I	<i>A. sativa</i>	Cultivated Oat
I	<i>Brachypodium distachyon</i>	brachypodium
I	<i>Briza maxima</i>	Big Quaking Grass
I	<i>B. minor</i>	Little Quaking Grass
	<i>Bromus carinatus</i>	California Brome
I	<i>B. catharticus</i>	Rescue Grass
	<i>B. ciliatus</i>	Fringed Brome
I	<i>B. diandrus</i>	Ripgut Grass
I	<i>B. hordeaceus</i>	Soft Chess
	<i>B. laevipes</i>	Woodland Brome
I	<i>B. madritensis</i> ssp. <i>madritensis</i>	Spanish Brome
I	<i>B. m.</i> ssp. <i>rubens</i>	Red Brome
I	<i>B. sterilis</i>	Proerty Brome
	<i>B. vulgaris</i>	Common Brome
LR	<i>Calamagrostis koelerioides</i>	Reed Grass
I	<i>Cortaderia jubata</i>	Pampas Grass
I	<i>Crypsis schoenoides</i>	Swamp Grass
I	<i>Cynodon dactylon</i>	Bermuda Grass

RANGE PLANT LIST

I	<i>Cynosurus echinatus</i>	Hedgehog Dogtail
I	<i>Dactylus glomerata</i>	Orchard Grass
	<i>Danthonia californica</i>	California Oatgrass
	<i>Deschampsia cespitosa</i>	Tufted Hairgrass
LR	<i>D. c. ssp. holciformis</i>	Pacific Hairgrass
	<i>D. elongata</i>	Slender Hairgrass
I	<i>Echinochloa</i> sp.	Barnyard Grass
LR	<i>Elymus elymoides</i> ssp. <i>elymoides</i>	Squirreltail Grass
	<i>E. glaucus</i>	Blue Wildrye
LR	<i>E. g. E. elymoides</i>	Hanson's Squirreltail
MS	<i>E. multisetus</i>	squirreltail
LR	<i>E. trachycaulus</i> ssp. <i>trachycaulus</i>	Slender Wheatgrass
I	<i>Elytrigia intermedia</i> ssp. <i>intermedia</i>	Intermediate Wheatgrass
I	<i>Festuca arundinacea</i>	Tall Fescue
LR	<i>F. californica</i>	California Fescue
	<i>F. idahoensis</i>	Idaho Fescue
	<i>F. rubra</i>	Red Fescue
I	<i>Gastridium ventricosum</i>	Nit Grass
LR	<i>Glyceria occidentalis</i>	mana grass
I	<i>Holcus lanatus</i>	Common Velvet Grass
	<i>Hordeum brachyantherum</i>	Meadow Barley
	<i>H. b. ssp. californicum</i>	California Meadow Barley
	<i>H. jubatum</i>	Foxtail Barley
I	<i>H. marinum</i> ssp. <i>gussoneanum</i>	Mediterranean Barley
I	<i>H. murinum</i> ssp. <i>murinum</i>	Mouse Barley
I	<i>H. m. ssp. leporinum</i>	Wild Barley
I	<i>H. vulgare</i>	Common Barley
LR	<i>Koeleria macrantha</i>	June Grass
LR	<i>Leymus condensatus</i>	Giant Wildrye
	<i>L. triticoides</i>	Creeping Wildrye
I	<i>Lolium multiflorum</i>	Italian Ryegrass
I	<i>L. perenne</i>	Perennial Ryegrass
LR	<i>Melica californica</i>	California Melic
	<i>M. imperfecta</i>	Imperfect Melic
	<i>M. torreyana</i>	Torrey Melic
LR	<i>Nassella cernua</i>	Nodding Needlegrass
	<i>N. lepida</i>	Foothill Needlegrass
	<i>N. pulchra</i>	Purple Needlegrass
	<i>Panicum capillare</i>	Witchgrass
I	<i>Paspalum dilatatum</i>	Dallis Grass
	<i>P. distichum</i>	Knotgrass
I	<i>Phalaris aquatica</i>	Harding Grass

Appendix E

RANGE PLANT LIST

LR	<i>P. californica</i>	California Canary Grass
MS		
I	<i>Poa annua</i>	Annual Bluegrass
LR	<i>P. secunda</i> ssp. <i>secunda</i>	One-sided Bluegrass
I	<i>Polypogon interruptus</i>	Ditch Beard Grass
I	<i>P. monspeliensis</i>	Annual Beard Grass
I	<i>Setaria viridis</i>	setaria
I	<i>Sorghum halepense</i>	Johnson Grass
I	<i>Sporobolus indicus</i>	Smutgrass
I	<i>Taeniatherum caput-medusae</i>	Medusa Head
I	<i>Triticum aestivum</i>	Wheat
I	<i>Vulpia bromoides</i>	vulpia
LR	<i>V. microstachys</i> var. <i>pauciflora</i>	Pacific Fescue
I	<i>V. myuros</i> var. <i>myuros</i>	Fox-tail Fescue
	<i>V. octoflora</i> var. <i>hirtella</i>	Six-weeks Fescue
Potamogetonaceae (pondweed family)		
	<i>Potamogeton nodosus</i>	Long-leaved Pondweed
	<i>Ruppia maritima</i>	ditch-grass
Typhaceae (cattail family)		
	<i>Typha angustifolia</i>	Narrow-leaved Cattail
	<i>T. glauca</i> = <i>T. angustifolia</i>	
	<i>T. latifolia</i>	Hybrid Cattail
	<i>T. latifolia</i>	Broad-leaved Cattail

Plant Communities

Described and Mapped by Jim Dunne

There is considerable subjectivity in recognizing plant communities and, as a result, differences of opinion among botanists as to their classification and the extent to which they should be subdivided. The District's Watershed Master Plan (EBWMP) Natural Resources Inventory Chapter 2, Biological Resources, describes vegetation and land cover types and compares the EBWMP classification with other classification systems. Vegetation types are shown on computer-generated maps of District holdings and adjacent areas. Sample categories are: Redwood Forest, Knobcone Pine Forest, Coast Live Oak/California Bay/Madrone Woodland, Coastal Scrub, and Manzanita Chaparral. There are many others. Long-term studies of biological resources as set forth in "Guidelines" will aid in verifying the present location of these plant communities and their biological constituents and make possible determination of changes over time.

Because the EBWMP/GIS plant community classification was modeled after the California WHR classification system, it failed to describe actual East Bay watershed communities (for instance, no Oak Woodland was mapped). The watershed plant communities were re-mapped in the GIS database to conform to Sawyer and Keeler-Wolf's 1995 CNPS publication *A Manual of California Vegetation*.

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