

## Appendix B

LIST OF SUITABLE AND UNSUITABLE PLANT SPECIES  
FOR RESIDENTIAL LEVEES

There are thousands of species of plants which are growing or could grow in California. Consequently, the lists of plants provided in this appendix are intended to be used only as guidelines for those planning a landscaping project on a levee. Species should be selected which will not impair levee maintenance or flood fight operations; for example, plants armored with large thorns are not allowed. Tree species shall be selected which will not present a wind throw or uprooting hazard due to a typically unstable root system or which have a capability of reaching great size and weight leading to unbalance.

Because of the potential to attract burrowing rodents, species of trees, shrubs, or ground covers which provide significant food for squirrels are not allowed. Maximum use of native species, instead of exotics, is encouraged.

Further assistance in plant selection may be obtained by contacting:

Department of Water Resources  
Attention: Encroachment Control Section  
P. O. Box 942836  
Sacramento, CA 94236-0001  
(916) 324-3889

*Note Page 3 "ice plant" per action of local agency,  
BALMD, disallowed*

TABLE 1

PARTIAL LIST OF PLANT SPECIES SUITABLE FOR RESIDENTIAL LEVEES

Trees

Alder, white	<u>Alnus rhombifolia</u>
Box Elder	<u>Acer negundo</u>
California pepper tree (male tree)	<u>Schinus molle</u>
Carob tree (male tree)	<u>Ceratonia siliqua</u>
China-berry	<u>Melia azedarach</u>
Chinese pistache	<u>Pistacia chinensis</u>
Coast beefwood	<u>Casuarina stricta</u>
Common catalpa	<u>Catalpa bignonioides</u>
Crape myrtle	<u>Lagerstroemia indica</u>
Dogwood, giant	<u>Cornus controversa</u>
Dogwood, Western	<u>Cornus nuttallii</u>
Fremont cottonwood (male tree)	<u>Populus fremontii</u>
Goldenrain tree	<u>Koelreuteria paniculata</u>
Hackberry, Chinese	<u>Celtis sinensis</u>
Hackberry, common	<u>Celtis occidentalis</u>
Hackberry, European	<u>Celtis australis</u>
Maidenhair tree (male tree only)	<u>Gingko biloba</u>
Mayten tree	<u>Maytenus boaria</u>
Montezuma cypress	<u>Taxodium mucronatum</u>
Oak	<u>Quercus spp.*</u>
Pagoda tree	<u>Sophora japonica</u>
Redbud, western	<u>Cercis occidentalis</u>
Redbud, eastern	<u>Cercis canadensis</u>

\*spp. = species

Suitable Trees (Continued)

Sawleaf zelkova	<u>Zelkova serrata</u>
Silk tree	<u>Albizia julibrissin</u>
Strawberry tree	<u>Arbutus unedo</u> or <u>Arbutus "marina"</u>
Tallow tree	<u>Sapium sebiferum</u>
Tupelo	<u>Nyssa sylvatica</u>

Suitable Ground Covers

Aaron's Beard	<u>Hypericum calycinum</u> **
Alyssum	<u>Alyssum spp.</u> *
Basket-of-gold	<u>Aurinia saxatile</u>
Bermuda Grass	<u>Cynodon dactylon "tifgreen"</u> <u>Cynodon dactylon "coastal"</u> <u>Cynodon dactylon "Tufcote"</u>
Blue-eyed grass	<u>Sisyrinchium bellum</u>
California Poppy	<u>Eschscholzia californica</u>
Cape weed	<u>Arctotheca calendula</u>
Creeping wild rye**	<u>Elymus triticoides</u>
English Ivy, miniature**	<u>Hedera helix, hahni</u>
Garden lippia	<u>Phyla nodiflora</u> <u>Lippia nodiflora</u>
Gazania, trailing**	<u>Gazania spp.</u> *
Green carpet	<u>Herniaria glabra</u>
* Ice Plant, Rosea <i>Dis-allowed</i>	<u>Drosanthemum floribundum</u>
* Ice Plant, trailing <i>Dis-allowed</i>	<u>Lampranthus, spectabilis</u>
Lupine, dwarf	<u>Lupinus bicolor</u>
Mexican evening primrose**	<u>Oenothera berlandieri</u>

\*spp. = species

\*\*These species have specific requirements for being cut back or otherwise maintained on a regular basis depending on the species.

Suitable Ground Covers (Continued)

Palestine orchardgrass

Dactylis glomerata  
"Palestine"

Salt grass

Distichlis spicata

Spring Cinquefoil

Potentilla tabernaemontanii

Stonecrop

Sedum spp.\*

Trailing African daisy

Osteospermum fruticosum

Verbena\*\*

Verbena peruviana

Yellow-eyed grass

Sisyrinchium californicum

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\*spp. = species

\*\*These species have specific requirements for being cut back or otherwise maintained on a regular basis depending on the species.

PARTIAL LIST OF PLANT SPECIES UNSUITABLE FOR LEVEES

Trees

Acacia, Bailey	<u>Acacia baileyana</u>
Acacia, kangaroo thorn	<u>Acacia armata</u>
Almond, edible	<u>Prunus dulcis</u>
Apple, crabapple, edible	<u>Malus spp.*</u>
Apricot, edible	<u>Prunus armeniaca</u>
Ash, Arizona	<u>Fraxinus velutina</u>
Ash, flowering	<u>Fraxinus ornus</u>
Ash, Modesto	<u>Fraxinum velutina "Modesto"</u>
Blue gum	<u>Eucalyptus globulus</u>
Cedar***	<u>Cedrus spp.*</u>
Cherry, edible	<u>Prunus avium</u>
Chinese jujube	<u>Zizyphus jujube</u>
Chinese wingnut	<u>Pterocarya stenoptera</u>
Citrus, edible	<u>Citrus spp.*</u>
Coast redwood	<u>Sequoia sempervirens</u>
Colorado spruce	<u>Picea pungens</u>
Cypress***	<u>Cupressus spp.*</u>
Date palm	<u>Phoenix spp.*</u>
Elm	<u>Ulmus spp.*</u>
Fan palm	<u>Washingtonia spp.*</u>
Fig, edible	<u>Ficus carica</u>
Fir***	<u>Abies spp.*</u>
Giant sequoia	<u>Sequoiadendron giganteum</u>

\*spp. = species

\*\*\*Conifers whose normal mature height is 50 feet or less may be considered desirable under maintenance conditions that (1) protect the tree from drought, and (2) will assure proper pruning of the lower branches.

Unsuitable Trees (Continued)

Hawthorn	<u>Crataegus spp.*</u>
Incense cedar***	<u>Calocedrus decurrens</u>
Locust	<u>Robinia spp.*</u>
Loquat	<u>Eriobotrya spp.*</u>
Olive	<u>Olea europaea</u>
Osage orange	<u>Maclura pomifera</u>
Peach and nectarine	<u>Prunus perica</u>
Pecan	<u>Carya illinoensis</u>
Persimmon	<u>Diospyros spp.*</u>
Pine***	<u>Pinus spp.*</u>
Plum and prune, edible	<u>Prunus domestica, salicina</u>
Pomegranate, edible	<u>Punica granatum</u>
Quince, edible	<u>Cydonia oblonga</u>
Russian olive	<u>Elaeagnus augustifolia</u>
Salt Cedar	<u>Tamarisk gallica</u>
Tree of heaven	<u>Ailanthus altissima</u>
Walnut	<u>Juglans spp.*</u>

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\*\*\*Conifers whose normal mature height is 50 feet or less may be considered desirable under maintenance conditions that (1) protect the tree from drought, and (2) will assure proper pruning of the lower branches.

UNSUITABLE GROUND COVERS AND MISCELLANEOUS

Bamboo	<u>Bambusa spp.*</u>
Blackberry/Raspberry	<u>Rubus spp.*</u>
Broom	<u>Cytisus spp.*</u>
Cactus	<u>Cactaceae spp.*</u>
Century Plant	<u>Agave americana</u>
False Bamboo, Common Reed	<u>Phragmites communis</u>
Freeway Iceplant	<u>Carpobrotus spp.*</u>
Honeysuckle	<u>Lonicera spp.*</u>
Horsetail	<u>Equisetum hyemale</u>
Ivy, Algerian	<u>Hedera canariensis</u>
Ivy, Persian	<u>Hedera colchica</u>
Ivy, English except miniature or dwarf varieties	<u>Hedera helix</u>
Pampas grass	<u>Cortaderia selloana</u>
Periwinkle	<u>Vinca spp.*</u>
Perla Grass	<u>Phalaris tuberosa</u> <u>var. hirtiglumis</u>
Rose	<u>Rosa spp.*</u>

\*spp. = Species