GUIDELINES FOR PLANTING IN FUEL MODIFICATION ZONES

Planting in fuel modification areas on private property shall be in accordance with the following guidelines:

- 1. Limit planting in large unbroken masses especially trees and large shrubs, while at the same time trying to achieve the desired screening required by the jurisdictional planning/building department. Groups should be two (2) or three (3) maximum, with mature foliage of any group separated horizontally by at least twenty (20) feet.*
- 2. Avoid massing of shrubs at bases of trees or larger shrubs.
- 3. Avoid massing of vegetation adjacent to structures especially under eaves, overhangs, decks, etc.
- 4. Limit the use of plants which have the following characteristics:
 - a. Are known to be especially combustible. (eg.: conifers, eucalyptus, acacias)
 - b. Have dry or deciduous foliage during part of the year.
 - c. Develop deciduous or shaggy bark.
 - d. Develop dry or dead undergrowth.
- 5. Conduct periodic maintenance to reduce fuel volumes, eliminate weeds, remove dead vegetation, etc.
- 6. Provide reliable automatic irrigation systems to maintain vegetation in a healthy, turgid state.
- 7. Avoid topping trees as this causes excessive branching, which can increase fire danger.
- 8. Adhere to the plant spacing guidelines on page 10 of these guidelines.
- 9. Avoid planting of trees within 10 feet of the roadway. Care should be given to the type of tree selected that will not encroach into the roadway, nor produce a canopy effect.
- 10. Avoid species that are known to be especially flammable such as conifers and eucalyptus

Planting vegetation adjacent to structures and within the Fuel Modification Zone when the zone is located on adjacent property is considered complementary to the fuel modification program and may be subject to periodic inspections by the enforcing agency.

*Agricultural crops, groves and orchards may be exempted from this requirement.

	Code	Botanical Name	Common Name	Plant Form
1	W	Abelia x grandiflora	Glossy Abelia	Shrub
2	0	Acacia redolens	Desert Carpet	Shrub
3		Acer macrophyllum	Big Leaf Maple	Tree
4	Х	Achillea millefolium	Common Yarrow	Low shrub
5	W	Achillea Tomentosa	Woolly Yarrow	Low shrub
6	Х	Aeonium decorum	Aeonium	Ground cover
7	Х	Aeonium simsii	ncn	Ground cover
8	W	Agave attenuata	Century Plant	Succulent
9		Agave shawii	Shaw's Century Plant	Succulent
10	N	Agave victoriae-reginae	ncn	Ground cover
11	Х	Ajuga reptans	Carpet Bugle	Ground cover
12	W	Alnus cordata	Italian Alder	Tree
13		Alnus rhombifolla	White Alder	Tree
14	N	Aleo arborescens	Tree Aloe	Shrub
15	Ν	Aloe aristata	ncn	Ground cover
16	Ν	Aloe brevifolia	ncn	Ground cover
17	W	Aloe vera	Medicinal Aloe	Succulent
18	W	Alyogyne huegelii	Blue Hibiscus	Shrub
19		Ambrosia chamissonis	Beach Bur-Sage	Perennial
20		Amorpha fruticosa	Western False Indigobush	Shrub

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	Code	Botanical Name	Common Name	Plant Form
21	W	Anigozanthus flavidus	Kangaroo Paw	Perennial accent
22		Antirrhinum nuttalianum ssp. nuttalianum	ncn	Subshrub
23	Х	Aptenia cordifolla x 'Red Apple'	Red Apple Aptenia	Ground cover
24	W	Arbutus unedo	Strawberry Tree	Tree
25	W	Arctostaphylos 'Pacific Mist'	Pacific Mist Manzanita	Ground cover
26	W	Arctostaphylos edmundsii	Little Sur Manzanita	Ground cover
27		Arctostaphylos glandulosa ssp.	Eastwood Manzanita	Shrub
28	W	Arctostaphylos hookeri 'Monterey Carpet'	Monterey carpet Manzanita	Low Shrub
29	<u></u> м 🗆	Arctostaphylos pungens		Shrub
30	Ν	Arctostaphylos refugioensis	Refugio Manzanita	Shrub
31	W	Arctostaphylos uva-ursi	Bearberry	Ground cover
32	W	Arctostaphylos x 'Greensphere'	Greensphere Manzanita	Shrub
33	Ν	Artemisia caucasica	Caucasian Artemisia	Ground cover
34	Х	Artemisia pycnocephala	Beach Sagewort	Perennial
35	X	Atriplex canescens	Four-Wing Saltbush	Shrub
36	ΧП	Atriplex lentiformis ssp. breweri	Brewer Saltbush	Shrub
37		Baccharis emoryi	Emory Baccharis	Shrub
38	wП	Baccharis pilularis ssp. consanguinea	Chaparral Bloom	Shrub
39	Х	Baccharis pilularis var. pilularis 'Twin Peaks#2'	Twin Peaks	Ground cover
40		Baccharis salicifolia	Mulefat	Shrub

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	Code	Botanical Name	Common Name	Plant Form
41	N	Baileya pauciradiata	Desert Marigold	Ground cover
42	W	Beaucarnea recurvata	Bottle Palm	Shrub/Small tree
43	NO	Bougainvillea spectabilis	Bougainvillea	Shrub
44	N O	Brahea armata	Mexican Blue Palm Blue Hesper Palm	Palm
45	N O	Brahea brandegeei	San Jose Hesper Palm	Palm
46	NO	Brahea edulis	Guadalupe Palm	Palm
47		Brickellia california		Subshrub
48	₩ 🗆	Bromus carinatus	California Brome	Grass
49		Camissonia cheiranthifolia	Beach Evening Primrose	Perennial subshrub
50	Ν	Carissa macrocarpa	Green Carpet Natal Plum	Ground cover/Shrub
51	Х	Carpobrotus chilensis	Sea Fig Ice Plant	Ground cover
52	W	Ceanothus gloriosus 'Point Reyes'	Point Reyes Ceanothus	Shrub
53	W	Ceanothus griseus 'Louis Edmunds'	Louis Edmunds Ceanothus	Shrub
54	W	Ceeanothus griseus horizontalis	Yankee Point	Ground Cover
55	W	Ceanothus griseus var. horizontalis	Carmel Creeper Ceanothus	Shrub
56	W	Ceanothus griseus var. Horizontalis 'Yankee Point'	Yankee Point Ceanothus	Shrub
57		Ceanothus megacarpus	Big Pod Ceanothus	Shrub
58	W	Ceanothus prostratus	Squaw Carpet Ceanothus	Shrub
59		Ceanothus spinosus	Green Bark Ceanothus	Shrub

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CodeBotanical NameComman NamePlant Form

60	N□	Ceanothus verruscosus	Wart-Stem Ceanothus	Shrub
61	W	Cerastium tomentosum	Snow-in-Summer	Ground cover/Shrub
62	W	Ceratonia siliqua	Carob	Tree
63	$_{\rm W}$ \Box	Cercis occidentalis	Western Redbud	Shrub/Tree
64	Х	Chrysanthemum leucanthemum	Oxeye Daisy	Ground cover
65	W	Cistus crispus	ncn	Ground cover
66	W	Cistus hybridus	White Rockrose	Shrub
67	W	Cistus incanus	ncn	Shrub
68	W	Cistus incanus ssp. corsicus	ncn	Shrub
69	W	Cistus salviifolius	Sageleaf Rockrose	Shrub
70	W	Cistus x purpureus	Orchid Rockrose	Shrub
71	W	Citrus species	Citrus	Tree
72		Clarkia purpurea or unguiculata	Showy Fairwell to spring	Annual
73		Cneoridium dumosum	Bushrue	Shrub
74		Collinsia heterophylla	Chinese Houses	Annual
75	$_{\rm W}\square$	Comarostaphylis diversifolia	Summer Holly	Shrub
76	Ν	Convolvulus cneorum	Bush Morning Glory	Shrub
77	W	Coprosma kirkii	Creeping Coprosma	Ground cover/Shrub
78	W	Coprosma pumila	Prostrate Coprosma	Low Shrub
79		Coreopsis californica	California Coreopsis	Annual
80	W	Coreopsis Lanceolata	Coreopsis	Ground Cover

	Code	Botanical Name	Common Name	Plant Form
81	N	Correa pulchella	Australian Fushsia	Ground cover
82	W	Cotoneaster buxifolius	ncn	Shrub
83	W	Cotoneaster congestus 'Likiang'	Likiang Cotoneaster	Ground cover/Vine
84	W	Cotoneaster Parneyi	ncn	Shrub
85	Х	Crassula Lactea	ncn	Ground cover
86	Х	Crassula multicava	ncn	Ground cover
87	Х	Crassula ovata	Jade Tree	Shrub
88	Х	Crassula tetragona	ncn	Ground cover
89	w□	Croton californicus	California Croton	Ground cover
90	Х	Delosperma 'alba'	White Trailing Ice Plant	Ground cover
91		Dendromecon rigida	Bush Poppy	Shrub
92		Dichelostemma Capitatum	Blue Dicks	Herb
93	N	Distictis buccinatoria	Blood-Red Trumpet Vine	Vine/Climbing vine
94	Ν	Dodonaea viscosa	Hopseed Bush	Shrub
95	Х	Drosanthemum floribundum	Rosea Ice Plant	Ground cover
96	Х	Drosanthemum hispidum	ncn	Ground cover
97	Х	Drosanthemum speciosum	Dewflower	Ground cover
98		Dudleya lanceolata	Lance-leaved Dudleya	Succulent
99		Dudleya pulverulenta	Chalk Dudleya	Succulent
100	W	Elaeagnus pungens	Silverberry	Shrub
101		Encelia californica	California Encelia	Small Shrub

	Code	Botanical Name	Common Name	Plant Form
102		Epiloblum canum (Zauschneria californica)	Hoary California Fushsia	Shrub
103		Eriastrum sapphirinum	Majave Voooly Star	Anuual
104	Ν	Eriobotrya japonica	Loquat	Tree
105		Eriodictycon crassifolium	Thick-Leaf Yerba Santa	Shrub
106		Eriodictycon trichocalyx	Yerba Santa	Shrub
107	w□	Eriophyllum confertiflorum	ncn	Shrub
108	W	Erythrina species	Coral Tree	Tree
109	Ν	Escallonia species	several varieties	Shrub
110	w□	Eschscholzia californica	California Poppy	Flower
111	Х	Eschscholzia mexicana	Mexican Poppy	Herb
112	Ν	Euonymus fortunei	Winter Creeper Euonymus	Ground cover
113	Ν	Feijoa sellowiana	Pineapple Guava	Shrub/Tree
114	Ν	Fragaria chiloensis	Wild Strawberry /Sand Strawberry	Ground cover
115		Frankenia salina	Alkali Heath	Ground cover
116	w□	Fremontodendron californicum	California Flannelbush	Shrub
117	Х	Gaillardia x grandiflora	Blanketflower	Ground cover
118	W	Galvezia speciosa	Bush Snapdragon	Shrub
119	W	Garrya veatchii	Silktassel	Shrub
120	X	Gazania hybrids	South African Daisy	Ground cover
121	Х	Gaxania rigens leucolaena	Trailing Gazania	Ground cover

	Code	Botanical Name	Common Name	Plant Form
122		Gilia capitata	Globe Gilia	Perennial
123	W	Gilia leptantha	Showy Gilia	Perennial
124	W	Gilia tricolor	Bird's Eyes	Perennial
125	W	Ginkgo biloba	Maidenhair Tree	Tree
126		Gnaphalium californicum	California Everlasting	Annual
127	W	Grewia occidentalls	Starflower	Shrub
128		Grindelia camporum bracteosum	Gum Plant	Ground cover
129	NO	Hakea suaveolens	Sweet Hakea	Shrub
130	W	Hardenbergia comptoniana	Lilac Vine	Shrub
131	Ν	Helianthemum mutabile	Sunrose	Ground cover /Shrub
132		Helianthemum scoparium	Rush Rose	Shrub
133		Heliotropium curassavicum	Salt Heliotrope	Ground cover
134	Х	Helix canariensis	English Ivy	Ground cover
135	W	Hesperaleo parviflora	Red Yucca	Perennial
136		Heteromeles arbutifolia	Toyon	Shrub
137	Х	Hypericum calycinum	Aaron's Beard	Shrub
138	N	Iberis Sempervirens	Edging Candytuft	Ground cover
139	N	Iberis Umbellatum	Globe Candytuft	Ground cover
140		Isocoma menziesii	Coastal Goldenbush	Small shrub
141		Isomeris arborea	Bladderpod	Shrub

	Code	Botanical Name	Common Name	Plant Form
142	$_{\rm W}$ \Box	Iva hayesiana	Poverty Weed	Ground cover
143	_N П	Juglans californica	California Black Walnut	Tree
144		Juncus acutus	Yellow Bush Penstemon	Subshrub
145		Keckiella antirrhinoides	Yellow Bush Penstemon	Subshrub
146		Keckiella cordifoila	Heart Leaved Penstemon	Subshrub
147		Keckiella ternata	Blue Stemmed Bush Penstemon	Subshrub
148	W	Kniphofia uvaria	Red Hot Poker	Perennial
149	W	Lagerstroemia indica	Crape Myrtle	Tree
150	W	Lagunaria patersonii	Primrose Tree	Tree
151	Х	Lampranthus aurantiacus	Bush Ice Plant	Ground cover
152	Х	Lampranthus filicaulis	Redondo Creeper	Ground cover
153	Х	Lampranthus spectabilis	Trailing Ice Plant	Ground cover
154	W	Lantana camara cultivars	Yellow Sage	Shrub
155	W	Lantana montevidensis	Trailing Lantana	Shrub
156		Lasthenia californica	Dwarf Goldfields	Annual
157	W	Lavandula dentata	French Lavendar	Shrub
158	W	Leptospermum laevigatum	Australian Tea Tree	Shrub
159	W	Leucophyllum frutescens	Texas Ranger	Shrub
160		Leymus condensatus	Giant Wild Rye	Large grass
161	Ν	Ligustrum japonicum	Texas Privet	Shrub

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162	Х	Limonium pectinatum	ncn	Ground cover
163	Х	Limonium perezii	Sea Lavender	Shrub
164	w	Liquidambar styraciflua	American Sweet Gum	Tree
165	W	Liriodendron tulipifera	Tulip Tree	Tree
166	Х	Lonicera japonica 'Halliana'	Hall's Japanese Honeysuckle	Vining shrub
167		Lonicera subspicata	Wild Honeysuckle	Vining shrub
168	Х	Lotus corniculatus	Bird's Foot Trefoil	Ground cover
169		Lotus heermannii	Northern Woolly Lotus	Perennial
170		Lotus scoparius	Deerweed	Shrub
171	w□	Lupinus arizonicus	Desert Lupine	Annual
172	W	Lupinus benthamii	Spider Lupine	Annual
173		Lupinus bicolor	Sku Lupine	Flowering annual
174		Lupinus sparsiflorus	Lupini/Coulter's Lupine	Annual
175	W	Lyonothammus florbundus ssp. asplenifollus	Fernleaf Ironwood	Tree
176	W	Macadamia integrifolia	Golden Abundance Oregon	Shrub
177	W	Mahonia aquifolium 'Golden Abundance'	Golden Abundance Oregon Grape	Shrub
178	W	Mahonia nevinii	Nevin Mahonia	Shrub
179		Malacothamnus fasciculatus	Chaparral Mallow	Shrub
180	Х	Malephora luteola	Trailing Ice Plant	Ground cover
181	W	Maytenus boaria	Mayten Tree	Tree

	Code	Botanical Name	Common Name	Plant Form
182	W	Melaleuca nesophila	Pink Melaleuca	Shrub

183	Ν	Metrosideros excelsus	New Zealand Christmas Tree	Tree
184	□*	Mimulus aurantiacus	Monkeyflower	Flower
185		Mirabilis californica	Wishbone Bush	Perennial
186	Ν	Myoporum debile	ncn	Shrub
187	Ν	Myoporum insulare	Boobyalla	Shrub
188	W	Myoporum parvifolium	ncn	Ground cover
189	W	Myoporurn 'Pacificum'	ncn	Shrub
190		Nassella (=Stipa) lepida	Foothill Needlegrass	Ground cover
191		Nassella (=Stipa) pulchra	Purple Needlegrass	Ground cover
192		Nemophila menziesli	Baby Blue Eyes	Annual
193	X	Nerium oleander	Oleander	Shrub
194		Nolina cismontana	Chaparral Nolina	Shrub
195	Ν	Nolina bigelovii, or N. interrata	Mexican Grasstree	Shrub
196	W	Oenothera berlandieri	Mexican Evening Primrose	Ground cover
197	N	Oenothera hookeri	California Evening Primrose	Flower
198	W	Oenothera speciosa	Showy Evening Primrose	Perennial
199	Х	Ophiopogon japonicus	Mondo Grass	Ground cover
200	□*	Opuntia littoralis	Prickly Pear	Cactus
201	□*	Opuntia oricola	Oracle Cactus	Cactus

	Code	Botanical Name	Common Name	Plant Form
202	•	Opuntia polifera	Coast Cholla	Cactus

203	W	Osmanthus fragrans	Sweet Olive	Shrub
204	Х	Osteospermum fruticosum	Trailing African Daisy	Ground cover
205	Х	Parkinsonia aculeata	Mexican Palo Verde	Tree
206	W	Pelargonium peltatum	Ivy Geranium	Ground cover
207	Х	Penstemon spectabilis	Beard Tongue	Shrub
208	W	Photinia fraseri	ncn	Shrub
209	W	Pistacla chinensis	Chinese Pistache	Tree
210	Х	Pittosporum undulatum	Victorian Box	Tree
211		Plantago erecta	California Plantain	Annual
212	**	Plantago insularis	Woolly Plantain	Annual
213	Х	Plantago sempervirens	Evergreen Plantain	Ground cover
214	$_{\rm W}\square$	Platanus racemosa	California Syoamore	Tree
215	W	Plumbago auriculata	Plumbago Cape	Shrub
216		Populus fremontii	Western Cottonwood	Tree
217	Х	Portulacaria afra	Elephant's Food	Shrub
218		Potentilla glandulosa	Sticky Cinquefoil	Subshrub
219	X	Potentilla tabernaemontanii	Spring Cinquefoil	Ground cover
220	Х	Prunus caroliniana	Carolina Cherry Laurel	Shrub/Tree
		Prunus ilicifolia ssp. ilicifolia	Holly Leaved	Shrub

	Code	Botanical Name	Common Name	Plant Form
222	Х	Prunus lyonil	Catalina Cherry	Shrub/Tree

223	N	Punica granatum	Pomegranate	Shrub/Tree
224	W	Puya species	Puya	Succulent/Shrub
225	W	Pyracantha species	Firethorn	Shrub
226		Quercus agrifolia	Coast Live Oak	Tree
227		Quercus berberdifolia	California Scrub Oak	Shrub
228	□ ○ *	Quercus dumosa	Coastal Scrub Oak	Shrub
229	$_{\rm X}$ \Box	Quercus engelmannii	Engelmann Oak	Tree
230	Х	Quercus suber	Cork Oak	Tree
231	Х	Rhamnus alaternus	Italian Buckthorn	Shrub
232		Rhamnus californica	California Coffee Berry	Shrub
233		Rhamnus crocea	Redberry	Shrub
234		Rhamnus crocea sp. ilicifolia	Hollyleaf Redberry	Shrub
235	Ν	Rhaphiolepis species	Indian Hawthorn	Shrub
236		Rhus integrifolia	Lemonade Berry	Shrub
237	Ν	Rhus lancea	African Sumac	Tree
238		Rhus ovata	Sugarbush	Shrub
239		Ribes aureum	Golden Currant	Shrub
240		Ribes indecorum	White Flowering Currant	Shrub
241		Ribes speciosum	Fuchsia Flowering Gooseberry	Shrub

	Code	Botanical Name	Common Name	Plant Form
242	W	Ribes viburnifolium	Evergreen Currant	Shrub

243	•	Romneya coulteri	Matilija Poppy	Shrub
244	X	Romneya coulteri 'white cloud'	White Cloud Matilija Poppy	Shrub
245	wO	Rosmarinus officinalis	Rosemary	Shrub
246	wO	Salvia greggii	Autumn Sage	Shrub
247	wO	Salvia sonomensis	Creeping Sage	Ground cover
248		Sambucus mexicana	Mexican Elderberry	Tree
249	W	Santolina chamaecyparissus	Lavender Cotton	Ground cover
250	W	Santolina virens	Green Lavender Cotton	Shrub
251		Satureja chandleri	San Miquel Savory	Perennial
252		Scirpus acutus	Hard-Stem Bulrush	Perennial
253		Scipus californicus	California Bulrush	Perennial
254	Х	Sedum acre	Goldmoss Sedum	Ground cover
255	Х	Sedum album	Green Stonecrop	Ground cover
256	Х	Sedum confusum	ncn	Gorund cover
257	Х	Sedum ilineare	ncn	Ground cover
258	X	Sedum x rubrotinctum	Pork and Beans	Ground cover
259	Х	Senecio serpens	ncn	Ground cover
260		Sisyrinchium bellum	Blue-Eyed Grass	Ground cover
261		Solanum douglasii	Douglas Nightshade	Shrub

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262		Solanum xantii	Purple Nightshade	Perennial
263	W	Stenocarpus sinuatus	Firewheel Tree	Tree
264	W	Strelitzia nicolai	Giant Bird of Paradise	Perennial
265	W	Strelitzia reginae	Bird of Paradise	Perennial
266		Symphoricarpos mollis	Creeping Snowberry	Shrub
267	W	Tecoma stans (Stenolobium stans)	Yellow Bells	Shrub/Small tree
268	Х	Tecomaria capensis	Cape Honeysuckle	Ground cover
269	Ν	Teucrium chamaedrys	Germander	Ground cover
270	Ν	Thymus serpyllum	Lemon Thyme	Ground cover
271	Ν	Trachelospermum jasminoides	Star Jasmine	Shrub
272		Trichostema lanatum	Woolly Blue-Curis	Shrub
273	Х	Trifolium hirtum 'Hyron'	Hyron Rose Clover	Ground cover
274	Х	Trifolium fragiferum 'O'Connor's'	O'Connor's Legume	Ground cover
275		Umbellularia californica	California Laurel	Tree
276		Verbena lasiostachys	Western Vervain	Perennial
277	Ν	Verbena peruviana	ncn	Ground cover
278	Х	Verbena species	Verbena	Ground cover
279	X	Vinca minor	Dwarf Periwinkle	Ground cover
280		Vitis girdiana	Desert Wild Grape	Vine
281	Х	Vulpia myuros 'Zorro'	Zorro Annual Fescue	Grass

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282	W	Westringia fruticosa		Shrub
283	W	Xanthorrhoea species	Grass Tree	Perennial accent /Shrub
284	W	Xylosma congestum	Shiny Xylosma	Shrub
285	Х	Yucca species	Yucca	Shrub
286		Yucca whipplei	Yucca	Shrub

****Plants listed in gray boxes may not be appropriate for use in certain locations based on invasiveness and ability to hybridize and will be reviewed on a case by case bases by the appropriate *jurisdiction*.

- Х Plant species prohibited in fuel modification zones adjacent to reserve lands. Acceptable = on all other fuel modification locations and zones.
- W Plant species appropriate for use in irrigated portions of fuel modification zones adjacent = to reserve lands. Acceptable in all other fuel modification locations and zones.
- = Plant species native to San Diego County. Acceptable in all fuel modification zones in all locations.
- Ν Plant species acceptable on a limited basis (maximum 30% of the area at time of = planting) in irrigated portions of fuel modification zones adjacent to reserve lands. Acceptable in all other fuel modification locations and zones.
- * = If locally collected.
- ** Not native but can be used in all zones. =
- Ο = Plant species acceptable on a limited use basis. Refer to qualification requirements following plant palette.

UNDESIRABLE PLANTS AND WEEDS

Within Fuel Modification Zone

BOTANIC NAME

COMMON NAME

Adenostoma fasciculatum

Chamise

Adenostoma sparsifolium

Red Shanks