

APPENDIX H

LANDSCAPING AND INSTALLATION APPEARANCE PLAN APPROVED PLANT LISTS

Appendix H

Landscaping Approved Plant Lists (September 2011)

1. All landscape designs and plant lists must be submitted for review and approval by the Installation Botanist (Bryan Munson Bryan.munson@navy.mil, 619 545-7186), Installation Wildlife Biologist (Tiffany Shepherd, phone: 619-545-3707, e-mail: tiffany.shepherd@navy.mil), and NAVFAC Landscape Architect (Bruce Rudd, phone: 619-532-4079, e-mail: bruce.rudd@navy.mil) in the planning stages of project design.
2. For each project, California native species from the approved plant list shall constitute a minimum of 80% of the plant material within each stratum (herb, shrub, and tree). Other drought tolerant species from this list shall constitute the remainder of the plant material (a maximum of 20% in each stratum) for each project. A higher proportion of natives may be required for projects within or adjacent to natural areas. The determination of whether cultivars are considered native or exotic will be made on a project-by-project basis by the Navy points of contact listed above.
3. It is vital that coordination with the Navy points of contact listed above occur early in the planning process to determine site-specific needs and constraints. Please note that not all species on this list are appropriate for all settings. For example, in some areas trees may not be approved due to BASH concerns or the presence of federally listed species.
4. Additional species may be included in the landscape design contingent upon the approval of the Navy points of contact listed above.
5. All plants shall be verified for availability in size and quantities needed for each project prior to specifying on plans or scopes of work.
6. This list is updated periodically. Prior to initiating a project, please obtain the most recent list from either of the Navy points of contact listed above.

Table H-1: Plants Unacceptable for Landscaping Under Any Circumstances

Common Name	Scientific name
Red apple ice plant	<i>Aptenia</i> spp.
Onion weed	<i>Asphodelus fistulosus</i>
Hottentot fig ice plant	<i>Carpobrotus</i> spp.
Red spike ice plant	<i>Cephallophyllum</i> spp.
Chrysanthemum	<i>Chyrsanthemum</i> spp.
Pampas grass	<i>Cortaderia</i> spp.
Disneyland ice plant	<i>Delosperma</i> spp.
Livingstone daisy ice plant	<i>Dorotheanthus</i> spp.
Gazania, treasure flower	<i>Gazania</i> spp.
St. John's wort	<i>Hypericum canariense</i>
Ice plant	<i>Lampranthus (Oscularia)</i> spp.
Ice plant	<i>Malephora</i> spp.
Ice plant	<i>Mesembryanthemum</i> spp.
Fountain grass	<i>Pennisetum</i> spp.
Goat's beard	<i>Tragopogon</i> spp.

All plants on the California Invasive Plant Council (Cal-IPC) Invasive Plant Inventory (see <http://www.cal-ipc.org>), the San Diego County Ornamental Invasives Plant Guide (see <http://www.asla-sandiego.org/content/plantguide.html>), and *all* non-native grasses (except those used for turf/lawns) are unacceptable.

Table H-2 contains the recommended plant list for NASNI, NAB, SSTC, and NOLF IB. This list is not applicable to RTSWS or CM/CMM. Separate Landscaping Guidelines for RTSWS are provided following the table.

Table H-2: Recommended Plant List for NASNI, NAB, SSTC, and NOLF IB

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Annuals/Bulbs/Perennials/Succulents				
<i>Achillea millefolium</i> Yarrow	N	1'	2'	L-M
<i>Agave cultivars</i>	CA or E			
<i>Agave species (CA natives only)</i> Agave	CA	3'	4'	L
<i>Agave shawii</i> Shaw's agave	N	3'	4'	L
<i>Aloe spp.</i> Aloe	E	Varies	Varies	L-M
<i>Armeria maritima</i> Sea pink thrift	CA	1'	1'	L-M
<i>Astragalus didymocarpus</i> Dwarf white milk-vetch	N	Varies	Varies	L
<i>Astragalus sp.</i> (native to site) Milk-vetch	N	Varies	Varies	L
<i>Coreopsis maritima</i> Sea dahlia	N	2'	3'	L-M
<i>Delphinium cardinale</i> Scarlet larkspur	CA	6'	2'	M
<i>Delphinium parryi</i> San Bernadino larkspur	N	6'	2'	M
<i>Dichelostemma capitatum</i> Blue dicks	N	Varies	Varies	L
<i>Dietes bicolor</i> Fortnight lily	E	2'	3'	L-M
<i>Dietes 'Lemon Drops'</i> Yellow fortnight lily	E	2'	3'	L-M
<i>Dietes vegeta</i> Fortnight lily	E	4'	4'	L-M
<i>Dudleya edulis</i> Ladies' fingers	N	1'	Varies	
<i>Dudleya lanceolata</i> Lanceleaf liveforever	N	1'	1'	M

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Annuals/Bulbs/Perennials/Succulents (continued)				
<i>Dudleya pulverulenta</i> Chalk dudleya	N	2'	2'	M
<i>Echeveria spp. & cultivars</i> Hens & chicks	E	Varies	Varies	L
<i>Epilobium canum</i> California fuchsia	N	2'	4'	L-M
<i>Erigeron glaucus</i> Seaside daisy	CA	1'	2'	L-M
<i>Eriophyllum confertiflorum</i> Golden yarrow	N	2'	2'	L-M
<i>Eschscholzia californica</i> California poppy	N	1'	1'	L-M
<i>Heuchera maxima</i> Island alumroot	CA	1'	1'	L-M
<i>Iris douglasiana</i> Douglas iris	CA	2'	1'	L-M
<i>Iris missouriensis</i> Western blue flag	CA	2'	1'	L-M
<i>Lotus hamatus</i> San Diego bird's-foot trefoil	N	1'	1'	M
<i>Lotus nuttallianus</i> Nuttal's lotus	N	1'	1'	L-M
<i>Lupinus bicolor</i> Miniature lupine	N	1'	1'	L-M
<i>Lupinus chamissonis</i> Dune lupine	CA	2'	2'	L-M
<i>Lupinus truncatus</i> Blunt-leaf lupine	N	2'	2'	L-M
<i>Mammillaria dioica</i> Fish-hook cactus	N	1'	1'	L-M
<i>Mimulus aurantiacus</i> Bush monkeyflower	N	4'	4'	L-M
<i>Mimulus cardinalis</i> Scarlet monkeyflower	CA	2'	2'	L-M
<i>Mimulus guttatus</i> Golden monkeyflower	CA	2'	2'	L-M
<i>Mirabilis californica</i> Wishbone bush	N	1'	2'	L
<i>Opuntia californica</i> Snake cholla	N	2'	3'	L
<i>Opuntia littoralis</i> Prickly pear	N	2'	3'	L

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Annuals/Bulbs/Perennials/Succulents (continued)				
<i>Opuntia prolifera</i> Coast cholla	N	2'	3'	L
<i>Pellaea andromedifolia</i> Coffee fern	N	1'	1'	
<i>Pellaea mucronata</i> Bird's foot fern	CA	1'	1'	
<i>Polystichum minutum</i> Western sword fern	CA	3'	3'	L-M
<i>Satureja chandleri</i> San Miguel savory	CA			
<i>Satureja douglasii</i> Yerba buena	CA	1'	3'	L-M
<i>Sedum spp.</i> Stonecrop	E	Varies	Varies	L
<i>Sisyrinchium bellum</i> Blue-eyed grass	N	1'	1'	L
<i>Sphaeralcea ambigua</i> Apricot mallow	CA	4'	4'	L
<i>Thymus serpyllum</i> Creeping thyme	E	1'	3'	M
<i>Woodwardia fimbriata</i> Giant chain fern	CA	4'	3'	M
<i>Yucca schidigera</i> Mojave yucca	N	8'	2'	L-M
<i>Yucca whipplei</i> Our Lord's candle	N	3'	6'	L-M
Grasses/Rushes				
<i>Eleocharis montevidensis</i> Spikerush	CA	Varies	Varies	M
<i>Elymus glaucus</i> Blue wildrye	CA	3'	-	L-M
<i>Festuca ovina glauca</i> Blue fescue	E	1'	10"	L-M
<i>Juncus acutus</i> Spiny rush	CA	5'	-	M
<i>Juncus mexicanus</i> Mexican rush	CA	5'	-	L-M
<i>Leymus condensatus</i> Giant wild rye	N	6'	-	M
<i>Leymus condensatus</i> 'Canyon Prince' Giant wild rye	CA or E	6'	-	M

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Grasses/Rushes (continued)				
<i>Muhlenbergia</i> species (CA natives only) Deer grass	CA	Varies	Varies	L-M
<i>Muhlenbergia rigens</i> Deer grass	CA	4'	4'	L-M
<i>Nassella cernua</i> Nodding needlegrass	CA	3'	2'	L
<i>Nassella lepida</i> Foothill needlegrass	CA	3'	2'	L
<i>Nassella pulchra</i> Purple needlegrass	N	3'	2'	L
Ground Covers				
<i>Abronia maritima</i> Red sand verbena	N	1'	3'	L
<i>Abronia umbellata</i> Beach sand verbena	N	1'	3'	L
<i>Arctostaphylos</i> species (CA natives only) Manzanita	CA	Varies	Varies	L
<i>Carissa macrocarpa</i> 'Green Carpet' Prostrate natal plum	E	1'	4'	L-M
<i>Ceanothus cultivars</i> California lilac	E	8"	12"	L
<i>Fragaria chiloensis</i> Sand strawberry	CA	Varies	Varies	L
<i>Fragaria vesca</i> Wood strawberry	CA	6"	3'	L
<i>Juniperus horizontalis</i> 'Wiltonii' Blue carpet juniper	E	6"	8'	L-M
<i>Pelargonium peltatum</i> Ivy geranium	E	2'	3'	L-M
<i>Rosmarinus officinalis</i> species Rosemary selection	E	Varies	Varies	L-M
<i>Senecio mandraliscae</i> Groundsel	E	1'	2'	L-M
Shrubs				
<i>Abutilon palmeri</i> Indian mallow	CA	5'	5'	L-M
<i>Adenostoma fasciculatum</i> Chamise	N	8'	8'	L
<i>Adolphia californica</i> Spineshrub	N	Varies	Varies	L
<i>Arctostaphylos cultivars</i> Manzanita	CA or E	Varies	Varies	L-M

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Shrubs (continued)				
<i>Arctostaphylos glandulosa</i> (var. ssp.) Manzanita	CA	3'	3'	L-M
<i>Arctostaphylos glauca</i> Bigberry manzanita	CA	15'	15'	L-M
<i>Artemisia californica</i> Coastal sage	N	5'	5'	L-M
<i>Artemisia palmeri</i> San Diego sagewort	N	1'	1'	L-M
<i>Atriplex lentiformis</i> ssp. <i>lentiformis</i> Big saltbush	N	10'	10'	L
<i>Baccharis pilularis</i> Coyote brush	N	3'	6'	L-M
<i>Baccharis salicifolia</i> Mulefat	N	8'	8'	L-M
<i>Baccharis sarothroides</i> Broom baccharis	N	8'	8'	L-M
<i>Bougainvillea</i> species Bougainvillea	E	Varies	Varies	L-M
<i>Brickellia californica</i> California brickellbush	N	4'	4'	L-M
<i>Camissonia cheiranthifolia</i> Beach evening primrose	N	Varies	Varies	L
<i>Ceanothus cultivars</i> Wild lilac	CA or E	Varies	Varies	L
<i>Ceanothus</i> species (CA natives only) Wild lilac	CA	Varies	Varies	L
<i>Ceanothus tomentosus</i> Blue lilac	N	9'	6'	L
<i>Ceanothus verrucosus</i> Wart-stemmed ceanothus	N	8'	8'	L
<i>Cercocarpus betuloides</i> Western mountain mahogany	CA	10'	10'	L
<i>Cercocarpus minutiflorus</i> San Diego mountain mahogany	N	10'	10'	L
<i>Cneoridium dumosum</i> Bushrue	N	2'	3'	L
<i>Comarostaphylis</i> div. ssp. <i>diversifolia</i> Summer holly	N	8'	8'	M
<i>Croton californicus</i> California croton	N	6'	6'	M
<i>Dendromecon rigida</i> Bush poppy	N	8'	8'	L

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Shrubs (continued)				
<i>Encelia californica</i> Bush sunflower	N	5'	5'	L
<i>Eriodictyon crass. var. crassifolium</i> Yerba santa	N	5'	5'	L-M
<i>Eriogonum fasciculatum</i> Flat-topped buckwheat	N	3'	4'	L-M
<i>Euphorbia misera</i> Cliff spurge	N	2'	2'	L-M
<i>Fremontodendron californicum</i> California flannelbush	CA	15'	15'	L
<i>Fremontodendron mexicanum</i> Mexican flannelbush	CA	15'	15'	L
<i>Galvezia speciosa</i> Island bush snapdragon	CA	6'	8'	L
<i>Helianthemum scoparium</i> Peak rush rose	N	1'	3'	M
<i>Heteromeles arbutifolia</i> Toyon	N	8'	15'	L-M
<i>Isocoma menziesii</i> Menzie's goldenbush	N	4'	4'	L
<i>Isomeris arborea</i> Bladderpod	N	5'	5'	L
<i>Iva hayesiana</i> Poverty weed	N	3'	5'	L
<i>Juniperus spp.</i> Juniper	Varies	Varies	Varies	L-M
<i>Justicia californica</i> Chuparosa	CA	5'	8'	L-M
<i>Keckiella antirrhinoides</i> Yellow bush penstemon	CA	8'	10'	L-M
<i>Keckiella cordifolia</i> Heart-leaf penstemon	N	6'	8'	L-M
<i>Lavendula dentata</i> Lavender	E	4'	5'	M
<i>Lonicera subspicata</i> Chaparral honeysuckle	N	5'	5'	M
<i>Acmispon glaber</i> California Broom	N	3'	4'	M
<i>Lupinus albifrons</i> Bush lupine	CA	5'	5'	L-M
<i>Lycium californicum</i> Box thorn	N	3'	6'	L-M

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Shrubs (continued)				
<i>Malosma laurina</i> Laurel sumac	N	15'	15'	L-M
<i>Phormium tenax</i> New Zealand Flax	E	Varies	Varies	L-M
<i>Prunus ilicifolia</i> Hollyleaf Cherry	N	15'	15'	L-M
<i>Quercus dumosa</i> Scrub Oak	N	10'	10'	L-M
<i>Rhamnus californica</i> Coffeeberry	N	3'-6'	6'	L-M
<i>Rhamnus crocea</i> Spiny redberry	N	8'	8'	L
<i>Rhus integrifolia</i> Lemonadeberry	N	15'	15'	L
<i>Ribes indecorum</i> White flowering currant	CA	6'	6'	L
<i>Ribes speciosum</i> Fuchsia-flowered gooseberry	N	6'	8'	L
<i>Romneya coulteri</i> Matilija poppy	CA	6'	6'	L
<i>Rosa californica</i> California wild rose	CA	Varies	Varies	M
<i>Rosa minutifolia</i> Small-leaved rose	N	Varies	Varies	L-M
<i>Rosmarinus officinalis</i> Rosemary	E	Varies	Varies	L-M
<i>Salvia apiana</i> White sage	N	5'	5'	M
<i>Salvia clevelandii</i> Cleveland sage	N	4'	5'	M
<i>Salvia columbariae</i> Chia	N	4'	5'	M
<i>Salvia mellifera</i> Black sage	N	5'	5'	M
<i>Santolina chamaecyparissus</i> Lavender cotton	E	2'	3'	L-M
<i>Simmondsia chinensis</i> Jojoba	N	8'	12'	L-M
<i>Solanum parishii</i> Parish's nightshade	N	Varies	Varies	L-M
<i>Solanum xanti</i> Purple nightshade	CA	3'	3'	L-M

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Shrubs (continued)				
<i>Trichostema lanatum</i> Woolly blue curls	N	3'	4'	L
<i>Viguiera laciniata</i> San Diego County viguiera	N	2'	6'	L
<i>Xylococcus bicolor</i> Mission manzanita	N	8'	8'	L
Trees				
<i>Agonis flexuosa</i> Peppermint tree	E	30'	30'	L-M
<i>Archontophoenix cunninghamiana</i> King palm	E	50'	15'	M
<i>Brahea armata</i> Blue hesper palm	E	45'	10'	L-M
<i>Brahea edulis</i> Rock palm	E	30'	10'	L-M
<i>Butia capitata</i> Pindo palm	E	20'	15'	M
<i>Calocedrus decurrens</i> Incense cedar	CA	80'	20'	L-M
<i>Cercis occidentalis</i> Western redbud	CA	20'	20'	L-M
<i>Chamaerops humilis</i> Mediterranean fan palm	E	20'	8'	L-M
<i>Chilopsis linearis</i> Desert willow	CA	30'	20'	L
<i>Geijera parvifolia</i> Australian willow	E	30'	25'	L-M
<i>Jacaranda mimosifolia</i> Jacaranda	E	30'	25'	L-M
<i>Lyonothamnus floribundus</i> Catalina ironwood	CA	50'	30'	M
<i>Metrosideros exelsa</i> New Zealand Christmas tree	E	30'	30'	M
<i>Pinus canariensis</i> Canary island pine	E	60'	20'	L
<i>Pinus eldarica</i> Afghan pine	E	50'	30'	L
<i>Pinus torreyana</i> Torrey pine	N	50'	30'	L
<i>Platanus racemosa</i> Western sycamore	N	80'	40'	L-M

Botanical Name/Common Name	Native Status	Height	Spread	Irrigation Needs
Trees (continued)				
<i>Podocarpus gracilior</i> Fern pine	E	60'	30'	M
<i>Populus fremontii</i> Western cottonwood	N	50'	30'	M
<i>Quercus agrifolia</i> Coast Live oak	N	50'	50'	L-M
<i>Quercus ilex</i> Holly oak	E	40'	40'	L-M
<i>Salix lasiolepis</i> Arroyo willow	N	15'	15'	M
<i>Sambucus mexicana</i> Blue elderberry	N	20'	20'	L-M
<i>Syagrus romanzoffianum</i> Queen palm	E	50'	15'	M
<i>Washingtonia filifera</i> California fan palm	CA	60'	15'	L-M
Vines				
<i>Bougainvillea species</i> Bougainvillea	E	-	-	L-M
<i>Calystegia macrostegia</i> Morning-glory	N	-	-	M
<i>Clematis lasiantha</i> Pipestem	CA	-	-	M
<i>Clematis ligusticifolia</i> Virgin's bower	CA	-	-	M
<i>Clematis pauciflora</i> Ropevine	N	-	-	M
<i>Clytostoma callistegioides</i> Violet trumpet vine	E	-	-	L-M
<i>Phaedranthus buccinatorius</i> Blood-red trumpet vine	E	-	-	M
<i>Vitis girdiana</i> Desert wild grape	N	-	-	L-M

Key:

N= Native to Coastal SD County

CA= California Native

E= Exotic

L= Low Water

M= Moderate Water

L-M= Low to Moderate Water