

Outer Cape Native Habitat Vegetation

Safe Harbor Environmental Services, 2012



This Native Vegetation Guide is a compilation of successful Habitat Restoration projects on the Outer Cape. We have linked Jurisdictional Habitats and specific sunlight exposures with native vegetation of different heights. **Habitat Restorations using site-specific vegetation will experience higher survivability.** We are grateful to Howard Irwin for his review of this booklet. Future editions will include your additional planting suggestions

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If you are using the digital version of our publication, click on any specific habitat and go right to that page.

Referenced native vegetation is locally available, successful and affordable. Seasonal availability and stock limitations should always be taken into consideration. *This booklet is intended for use with Invasive Management and Habitat Restoration projects on Cape Cod. Download our Invasive Management publication “The Dirty Dozen” from our web site.*

Exceptions:

* May or may not be readily available in local nurseries; may require advance ordering.

† Not native, but considered naturalized

FACE OF COASTAL BANK

FOR FULL SUN

GROUND COVER LAYER
Beach grass (<i>Ammophila breviligulata</i>)
Dusty miller (<i>Artemisia stellerata</i>)
Seaside goldenrod (<i>Solidago sempervirens</i>)

TOP OF COASTAL BANK

FOR FULL SUN

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Beach grass (<i>Ammophila breviligulata</i>)	Beach plum (<i>Prunus maritime</i>)	Pitch pine (<i>Pinus rigida</i>)
Dusty miller (<i>Artemisia stellerata</i>)	Bayberry (<i>Myrica pensylvanica</i>)	Bear Oak (Scrub Oak) (<i>Quercus ilicifolia</i>)
Seaside goldenrod (<i>Solidago sempervirens</i>)	Salt spray rose† (<i>Rosa rugosa</i>)	
Bluestem grasses (<i>Andropogon gerardii</i> , <i>Schizachyrium scoparium</i>)	Virginia rose (<i>Rosa virginiana</i>)	
Hairgrass* (<i>Deschampsia flexuosa</i>)	Huckleberry (<i>Gaylussacia baccata</i> , <i>Gaylussacia dumosa</i> , <i>Gaylussacia frondosa</i>)	
Bearberry (<i>Arctostaphylos uva-ursi</i>)		

DUNE AREA

Can tolerate severe drought

FOR FULL SUN OR LIGHT SHADE

GROUND COVER LAYER	SHRUB LAYER	SAPLING - TREE LAYER
Beach grass (<i>Ammophila breviligulata</i>)	Beach plum (<i>Prunus maritima</i>)	Pitch pine (<i>Pinus rigida</i>)
Bearberry (<i>Arctostaphylos uva-ursi</i>)	Bayberry (<i>Myrica pensylvanica</i>)	Black oak (<i>Quercus velutina</i>)
Goldenrods (<i>Solidago</i> species)	Salt spray rose (<i>Rosa rugosa</i>)	Scarlet oak* (<i>Quercus coccinea</i>)
Seaside goldenrod (<i>Solidago sempervirens</i>)	Virginia rose (<i>Rosa virginiana</i>)	
Asters* (<i>Aster</i> species)		
Hair grass (<i>Deschampsia flexuosa</i>)		
Bluestem grasses (<i>Andropogon gerardii</i> , <i>Schizachyrium scoparium</i>)		
Beach pea (<i>Lathyrus japonicus</i> var.)		
Dusty Miller (<i>Artemisia stelleriana</i>)		



American Beach Grass, 3 stems, planted on 10" centers

**LAND SUBJECT TO
COASTAL STORM FLOWAGE (LSCSF)**
Can tolerate some salt-water inundation

FOR FULL SUN

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Beach grass (<i>Ammophila breviligulata</i>)	Salt spray rose† (<i>Rosa rugosa</i>)	Eastern red cedar (<i>Juniper virginiana</i>)
Dusty miller (<i>Artemisia stellerata</i>)	Virginia rose (<i>Rosa virginiana</i>)	Pitch pine (<i>Pinus rigida</i>)
Seaside goldenrod (<i>Solidago sempervirens</i>)	Shrubby cinquefoil (<i>Potentilla fruticosa</i>)	Shadbush (<i>Amelanchier canadensis</i>)
Butterfly weed (<i>Asclepias tuberosa</i>)	Beach plum (<i>Prunus maritima</i>)	Black oak* (<i>Quercus velutina</i>)
Bearberry (<i>Arctostaphylos uva-ursi</i>)	Virginia rose (<i>Rosa virginiana</i>)	
Black-eyed Susan (<i>Rudbeckia serotina</i> , <i>Rudbeckia hirta</i>)	Bayberry (<i>Myrica pensylvanica</i>)	
Bluestem grasses (<i>Andropogon gerardii</i> , <i>Schizachyrium scoparium</i>)	Arrowwood (<i>Viburnum dentatum</i>)	
Hairgrass* (<i>Deschampsia flexuosa</i>)	Smooth sumac (<i>Rhus glabra</i>)	
Panic grass (<i>Panicum virgatum</i>)	Swamp rose mallow* (<i>Hibiscus palustris</i>)	
	Inkberry (<i>Ilex glabra</i>)	
	Groundsel bush* (<i>Baccharis halimifolia</i>)	

LAND SUBJECT TO COASTAL STORM FLOWAGE (LSCSF)

Can tolerate salt-water inundation

FOR LIGHT SHADE TO SHADE

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Panic grass (<i>Panicum virgatum</i>)	Arrowwood (<i>Viburnum dentatum</i>) Sweet fern (<i>Comptonia peregrina</i>) Bayberry (<i>Myrica pensylvanica</i>) Inkberry (<i>Ilex glabra</i>) Smooth sumac* (<i>Rhus glabra</i>) Winterberry (<i>Ilex verticillata</i>)	Shadbush (<i>Amelanchier canadensis</i>) Black oak* (<i>Quercus velutina</i>)

BORDERING LAND SUBJECT TO FLOODING (BLSF)

Can tolerate sodden ground and periods of drought

FOR FULL SUN

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Panic grass (<i>Panicum virgatum</i>) Joe Pye weed (<i>Eupatorium purpureum</i>) Cranberry (<i>Vaccinium macrocarpon</i>) Swamp milkweed (<i>Asclepias incarnata</i>) Vervain* (<i>Verbena hastate</i>) Sweetflag (<i>Acorus calamus</i>)	High bush blueberry (<i>Vaccinium corymbosum</i>) Arrowwood (<i>Viburnum dentatum</i>) Bayberry (<i>Myrica pensylvanica</i>) Winterberry (<i>Ilex verticillata</i>) Sweet pepperbush (<i>Clethra alnifolia</i>) Chokeberry (<i>Aronia arbutifolia</i> , <i>Aronia melanocarpa</i>) Witch hazel (<i>Hamamelis virginiana</i>)	Tupelo (<i>Nyssa sylvatica</i>) Black willow* (<i>Salix nigra</i>) Pussy willow* (<i>Salix discolor</i>) Red maple (<i>Acer rubrum</i>) Pitch pine (<i>Pinus rigida</i>) Northern red oak* (<i>Quercus rubra</i>) Black oak* (<i>Quercus velutina</i>) Scarlet oak* (<i>Quercus coccinea</i>) American holly* (<i>Ilex opaca</i>)

BORDERING LAND SUBJECT TO FLOODING (BLSF)

Can tolerate sodden ground and periods of drought

FOR LIGHT SHADE TO SHADE

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Panic grass (<i>Panicum virgatum</i>)	Arrowwood (<i>Viburnum dentatum</i>)	Shadbush (<i>Amelanchier canadensis</i>)
Turtlehead (<i>Chelone glabra</i>)	Bayberry (<i>Myrica pensylvatica</i>)	Sassafras* (<i>Sassafras albidum</i>)
Sensitive fern (<i>Onoclea sensibilis</i>)	Huckleberry* (<i>Gaylussacia baccata</i> , <i>Gaylussacia dumosa</i> , <i>Gaylussacia frondosa</i>)	Red maple (<i>Acer rubrum</i>)
Interrupted fern (<i>Osmunda claytoniana</i>)	Swamp azalea (<i>Rhododendron viscosum</i>)	Tupelo (<i>Nyssa sylvatica</i>)
Cinnamon fern (<i>Osmunda cinnamomea</i>)	Inkberry (<i>Ilex glabra</i>)	American holly* (<i>Ilex opaca</i>)
Royal fern (<i>Osmunda regalis</i>)	Elderberry (<i>Sambucus canadensis</i>)	Black willow* (<i>Salix nigra</i>)
Hay-scented fern (<i>Dennstaedtia punctilobula</i>)	Sheep laurel* (<i>Kalmia angustifolia</i>)	Pussy willow* (<i>Salix discolor</i>)
Wood fern (<i>Dryopteris intermedia</i> , <i>Dryopteris marginalis</i>)	Winterberry (<i>Ilex verticillata</i>)	White pine (<i>Pinus strobes</i>)
	High bush blueberry (<i>Vaccinium corymbosum</i>)	Northern red oak (<i>Quercus rubra</i>)
	Sweet pepperbush (<i>Clethra alnifolia</i>)	Black oak* (<i>Quercus velutina</i>)
	Witch hazel (<i>Hamamelis virginiana</i>)	
	Chokeberry (<i>Aronia arbutifolia</i> , <i>Aronia melanocarpa</i>)	

**ISOLATED LAND SUBJECT TO FLOODING (ILSF);
BORDERING VEGETATED WETLAND (BVW)**

Can tolerate sodden ground as well as periods of drought

FOR FULL SUN

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Joe Pye weed (<i>Eupatorium purpureum</i>)	High bush blueberry (<i>Vaccinium corymbosum</i>)	Pitch pine (<i>Pinus rigida</i>)
Cranberry (<i>Vaccinium macrocarpon</i>)	Bayberry (<i>Myrica pensylvatica</i>)	Red maple (<i>Acer rubrum</i>)
Vervain* (<i>Verbena hastate</i>)	Red chokeberry (<i>Aronia arbutifolia</i>)	Tupelo (<i>Nyssa sylvatica</i>)
Sweetflag (<i>Acorus calamus</i>)	Black chokeberry (<i>Aronia melanocarpa</i>)	American holly (<i>Ilex opaca</i>)
Swamp milkweed (<i>Asclepias incarnata</i>)	Arrowwood (<i>Viburnum dentatum</i>)	Northern red oak (<i>Quercus rubra</i>)
	Winterberry (<i>Ilex verticillata</i>)	Black oak* (<i>Quercus velutina</i>)
	Inkberry (<i>Ilex glabra</i>)	Scarlet oak* (<i>Quercus coccinea</i>)
	Witch hazel (<i>Hamamelis virginiana</i>)	Pussy willow* (<i>Salix discolor</i>)
	Sweet pepperbush (<i>Clethra alnifolia</i>)	
	New jersey tea (<i>Ceanothus americanus</i>)	

ISOLATED LAND SUBJECT TO FLOODING (ILSF);**BORDERING VEGETATED WETLAND (BVW)**

Can tolerate sodden ground as well as periods of drought

FOR PARTIAL SHADE TO SHADE

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Switch grass (<i>Panicum virgatum</i>)	Bayberry (<i>Myrica pensylvatica</i>)	Red maple (<i>Acer rubrum</i>)
Turtlehead (<i>Chelone glabra</i>)	Arrowwood (<i>Viburnum dentatum</i>)	Tupelo (<i>Nyssa sylvatica</i>)
Sensitive fern (<i>Onolea sensibilis</i>)	Swamp azalea (<i>Rhododendron viscosum</i>)	American beech (<i>Fagus grandifolia</i>)
Interrupted fern (<i>Osmunda claytoniana</i>)	Sweet pepperbush (<i>Clethra alnifolia</i>)	American holly* (<i>Ilex opaca</i>)
Cinnamon fern (<i>Osmunda cinnamomea</i>)	Elderberry (<i>Sambucus canadensis</i>)	Black willow* (<i>Salix nigra</i>)
Royal fern (<i>Osmunda regalis</i>)	High bush blueberry (<i>Vaccinium corymbosum</i>)	Sassafras* (<i>Sassafras albidum</i>)
Hay-scented fern (<i>Dennstaedtia punctilobula</i>)	Red chokeberry (<i>Aronia arbutifolia</i>)	Shadbush (<i>Amelanchier canadensis</i>)
Wood fern (<i>Dryopteris intermedia</i> , <i>Dryopteris marginalis</i>)	Black chokeberry (<i>Aronia melanocarpa</i>)	Northern red oak (<i>Quercus rubra</i>)
	Inkberry (<i>Ilex glabra</i>)	
	Witch hazel (<i>Hamamelis virginiana</i>)	
	Sheep laurel* (<i>Kalmia angustifolia</i>)	
	New Jersey tea (<i>Ceanothus americanus</i>)	

INLAND BANK, FOR FULL SUN

Can tolerate droughty, well-drained soils

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Bearberry (<i>Arctostaphylos uva-ursi</i>)	Bayberry (<i>Myrica pensylvatica</i>)	Eastern red cedar (<i>Juniper virginiana</i>)
Goldenrods (<i>Solidago</i> species)	Beach plum (<i>Prunus maritima</i>)	Shadbush (<i>Amelanchier canadensis</i>)
Seaside goldenrod (<i>Solidago sempervirens</i>)	Arrowwood (<i>Viburnum dentatum</i>)	American holly (<i>Ilex opaca</i>)
Aster (<i>Aster</i> species)	Red chokeberry (<i>Aronia arbutifolia</i>)	Pitch pine (<i>Pinus rigida</i>)
Butterfly weed (<i>Asclepias tuberosa</i>)	Huckleberry* (<i>Gaylussacia baccata</i> , <i>Gaylussacia dumosa</i> , <i>Gaylussacia frondosa</i>)	Chestnut oak* (<i>Quercus prinus</i>)
Bluestem grasses (<i>Andropogon gerardii</i> , <i>Schizachyrium scoparium</i>)	Low bush blueberry (<i>Vaccinium augustifolium</i>)	Gray birch* (<i>Betula populifolia</i>)
Hairgrass* (<i>Deschampsia flexuosa</i>)	Smooth sumac* (<i>Rhus glabra</i>)	Big-tooth aspen (<i>Populus grandidentata</i>)
Blue false indigo (<i>Baptisia australis</i>)	Staghorn sumac* (<i>Rhus typhina</i>)	Quaking aspen (<i>Populus tremuloides</i>)
Bird foot violet* (<i>Viola pedata</i>)	Sweetfern (<i>Comptonia peregrina</i>)	Sassafras* (<i>Sassafras albidum</i>)
Yarrow (<i>Achillea millefolium</i>)	Inkberry (<i>Ilex glabra</i>)	Colorado spruce (<i>Picea pungens</i>)
Wild lupine* (<i>Lupinus perennis</i>)	Witch hazel (<i>Hamamelis virginiana</i>)	White spruce (<i>Picea glauca</i>)
Bush clovers (<i>Lespedeza</i> species)	New Jersey tea (<i>Ceanothus americanus</i>)	
Hawkweeds* (<i>Hieracium</i> species)		
Blanket flower† (<i>Gaillardia</i> species)		
Coneflower (<i>Echinacea purpurea</i>)		
St. Johnswort† (<i>Hypericum</i> species)		
Clover† (<i>Trifolium</i> species)		
Sweet clover*† (<i>Melilotus officinalis</i> , <i>Melilotus alba</i>)		
Black-eyed Susan (<i>Rudbeckia serotina</i> , <i>Rudbeckia hirta</i>)		
Beardtongue (<i>Penstemon</i> species)		

INLAND BANK

Can tolerate droughty, well-drained soils

FOR PARTIAL SHADE TO SHADE

GROUND COVER LAYER	SHRUB LAYER	SAPLING – TREE LAYER
Wintergreen (<i>Gaultheria procumbens</i>)	Sweet fern (<i>Comptonia peregrina</i>)	Shadbush (<i>Amelanchier canadensis</i>)
Sarsaparilla* (<i>Aralia nudicaulis</i>)	Staghorn sumac (<i>Rhus typhina</i>)	Sassafras* (<i>Sassafras albidum</i>)
Trailing arbutus* (<i>Epigaea repens</i>)	Arrowwood (<i>Viburnum dentata</i>)	Gray birch* (<i>Betula populifolia</i>)
Starflower* (<i>Trientalis borealis</i>)	Bayberry (<i>Myrica pensylvanica</i>)	
Columbine (<i>Aquilegia canadensis</i>)	Huckleberry* (<i>Gaylussacia baccata</i> , <i>Gaylussacia dumosa</i> , <i>Gaylussacia frondosa</i>)	
Virginia creeper (<i>Parthenocissus quinquefolia</i>)	Red chokeberry (<i>Aronia arbutifolia</i>)	
White wood aster (<i>Aster divaricatus</i>)	Black chokeberry (<i>Aronia melanocarpa</i>)	
Pipsissewa* (<i>Chimaphila umbellata</i>)	Low bush blueberry (<i>Vaccinium corymbosum</i>)	
Spotted wintergreen* (<i>Chimaphila maculata</i>)	Staghorn sumac* (<i>Rhus typhina</i>)	
Bracken fern* (<i>Pteridium aquilinum</i>)	Witch hazel (<i>Hamamelis virginiana</i>)	
Wild geranium (<i>Geranium maculatum</i>)	Inkberry (<i>Ilex glabra</i>)	
Partridgeberry (<i>Mitchella repens</i>)	Sweetspire (<i>Itea virginica</i>)	