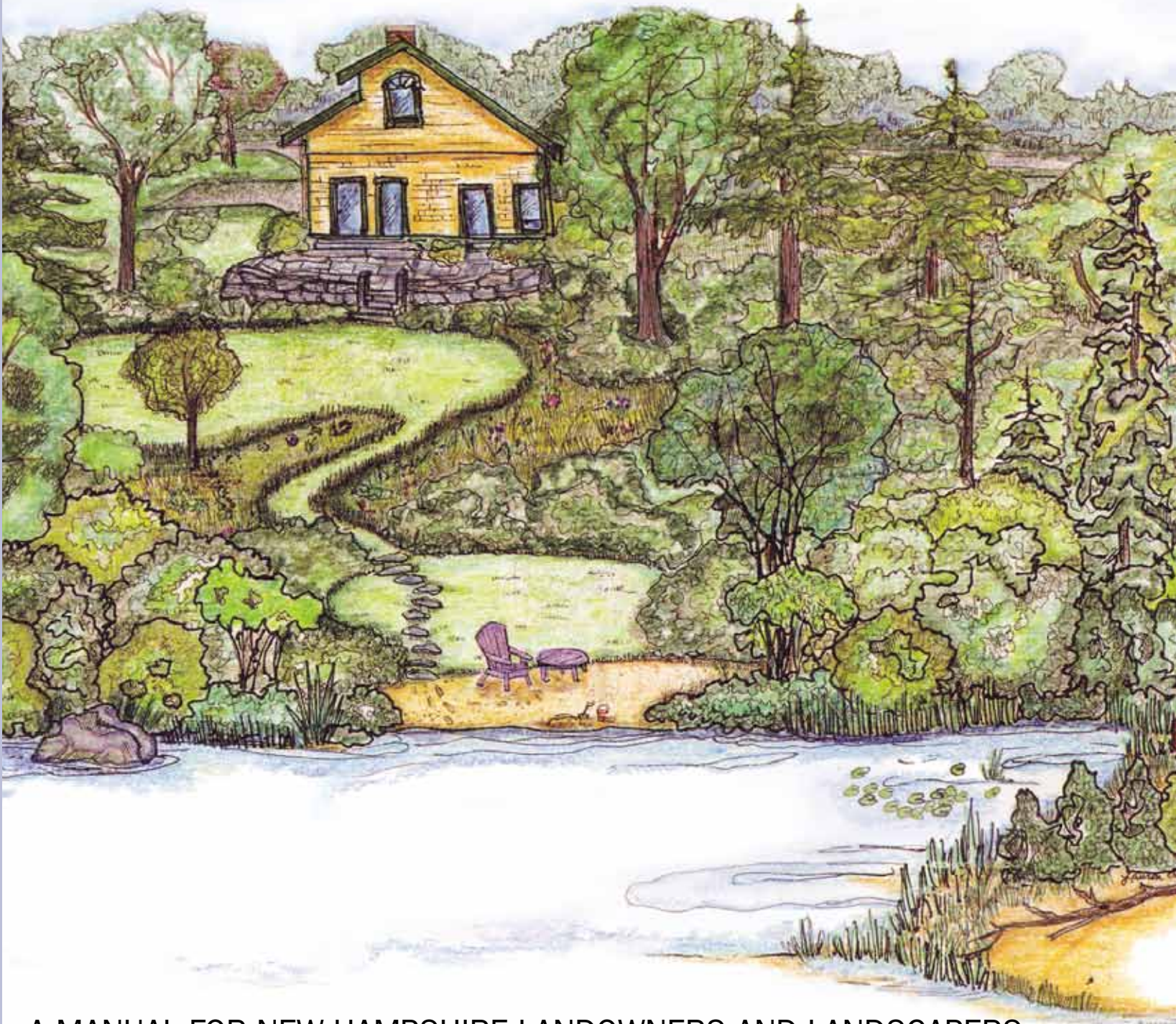


LANDSCAPING at the Water's Edge

AN ECOLOGICAL APPROACH



A MANUAL FOR NEW HAMPSHIRE LANDOWNERS AND LANDSCAPERS

APPENDIX C

Recommended Plant Lists

Selecting Woody Plants for Shoreland Landscapes

The plants listed are those that occur near water in their natural habitats. They are recommended for use in multi-layered plant systems as described and illustrated in Chapter 4. Some of these plants may be uncommon and difficult to find in a nursery, but many are readily available. Choose plants that are suitable for your site conditions, soils, sun exposure, and cold hardiness zones.

For more information and for herbaceous plant recommendations, please refer to *The Best Plants for New Hampshire Gardens and Landscapes*, published by the New Hampshire Plant Growers Association and UNH Cooperative Extension, 2003.

Height Class	Common Name	Scientific Name	Mature Height	USDA Cold Hardiness Zone
Under 3'	Bog Rosemary	Andromeda polifolia	1 - 2'	2
	Bearberry	Arctostaphylos uva-ursi	1'	2
	Leatherleaf	Chamaedaphne calyculata	1 - 3'	2
	Bunchberry	Cornus canadensis	6 - 9"	2
	Bearberry Cotoneaster	Cotoneaster dammeri	12 - 18"	5
	Rockspray Cotoneaster	Cotoneaster horizontalis	2 - 3'	5
	Rose Daphne	Daphne cneorum	6 - 12"	4
	Slender Deutzia	Deutzia gracilis	2'	5
	Dwarf Greenstem Forsythia	Forsythia viridissima 'Bronxensis'	1 - 2'	5
	Creeping Wintergreen	Gaultheria procumbens	6"	3
	Little Henry Sweetspire	Itea virginica 'Little Henry'	2 - 3'	5
	Sheep Laurel	Kalmia angustifolia	1 - 3'	2
	Bog Kalmia	Kalmia polifolia	3'	2

KEY

Vegetative Buffer Zone(s)	Native & Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
LL=Lowland transition SL=Shoreland UPL=Upland	Y=Yes	WD=well-drained W=wet (bog) A=acidic M=moist	PS=partial sun S=full sun Sh=shade	Sp = spreading EG=evergreen

Vegetative Buffer Zone(s)	Native	Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
SL	Y		W A	S PS	EG, Sp, cvs. 'Montana', 'Angustifolia', 'Compacta', 'Grandiflora'
UPL	Y	Y	A	S PS	EG, Sp, salt tolerant, does well in very poor soils
SL	Y		W A	PS	EG, cvs. 'Nana', 'Cascade' and 'Tiny Tim' under 3' tall
LL UPL	Y	Y	M A	PS Sh	Sp, excellent groundcover
UPL			WD	S	EG, Sp, good bankcover, very fast
UPL			WD	S	Sp, good bankcover
UPL			M WD	PS Sh	EG, fragrant flowers
UPL			WD	S	cv. 'Nikko' recommended for compact growth form
UPL				S	Sp, groundcover type forsythia
LL	Y		M A	Sh PS	EG, Sp, groundcover
LL	Y		M	S PS Sh	This is a compact cv.; others are listed in 3-6' height class
SL LL UPL	Y		A W or M	PS	EG, Sp, does well in poor soils, poisonous to livestock
SL LL	Y		W A		

Height Class	Common Name	Scientific Name	Mature Height	USDA Cold Hardiness Zone
	Coast Leucothoe	Leucothoe axillaris	2 - 4'	5
	Creeping Mahonia	Mahonia repens	10 - 18"	5
	Paxistima	Paxistima canbyi	1'	3
	Gro-Low Fragrant Sumac	Rhus aromatica 'Gro-Low'	2'	3
	Lowbush Blueberry	Vaccinium angustifolium	1 - 2'	2
	American Cranberry	Vaccinium macrocarpon	4 - 6"	2
	Mountain Cranberry	Vaccinium vitis-idaea var. minus	4 - 8"	2
3' - 6'				
	Regent Serviceberry	Amelanchier alnifolia 'Regent'	4 - 6'	3
	Summersweet Clethra	Clethra alnifolia	3 - 8'	4
	Sweetfern	Comptonia peregrina	3 - 5'	2
	Spike Winterhazel	Corylopsis spicata	4 - 6'	5
	American Hazelnut	Corylus americana	3 - 9'	4
	Dwarf Bush Honeysuckle	Diervilla lonicera	3 - 5'	3
	Atlantic Leatherwood	Dirca palustris	3 - 6'	3
	Dwarf Fothergilla	Fothergilla gardenii	3 - 4'	5
	Huckleberry	Gaylussacia sp.	3 - 5'	3
	Smooth Hydrangea	Hydrangea arborescens	3 - 5'	3
	Oakleaf Hydrangea	Hydrangea quercifolia	3 - 6'	5
	Inkberry	Ilex glabra	3 - 6'	5

Vegetative Buffer Zone(s)	Native	Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
LL			A M WD	Sh	EG, choose small cvs. for this size class
UPL			A M WD	Sh PS	EG, Sp, groundcover
UPL			M WD	S PS	EG, tolerates high pH
UPL	Y		A WD	S PS	Sp, other cvs. get much larger; good fall color
LL UPL	Y	Y	A		Edible blueberry, does well in very poor soils
SL LL	Y	Y	M A	S	EG, Sp, edible cranberry
LL	Y	Y	M A	S	EG, Sp, edible Ligonberry
LL UPL	Y	Y	M WD A	S PS	Sp, edible berries; other cvs. are larger
SL LL	Y	Y	M A	S PS	Fragrant, salt tolerant; nice cvs. include 'Hummingbird', 'Sixteen Candles', 'Compacta', 'Ruby Spice'
UPL	Y	Y	WD	S PS	Sp, does well in poor dry sandy soils
UPL			M WD	S PS	
UPL	Y	Y		S PS	Sp, edible nuts
UPL	Y			S PS	Sp, very tough plant
SL LL	Y		W	Sh	
UPL	Y		M WD A	S PS	Excellent fall color
UPL		Y	WD A	PS	EG, Sp, edible berries
LL UPL	Y		M WD	S PS	Sp, cvs. include 'Annabelle', 'Grandiflora', 'White Dome'
LL			M WD	S PS	
LL	Y	Y	M A	S PS	EG, Sp, avoid sites with winter sun wind exposure, many cvs. include 'Compacta', 'Viridis', 'Nigra'

Height Class	Common Name	Scientific Name	Mature Height	USDA Cold Hardiness Zone
	Red Sprite Common Winterberry	<i>Ilex verticillata</i> 'Red Sprite'	3 - 5'	4
	Virginia Sweetspire	<i>Itea virginica</i>	3 - 5'	5
	Sweetgale	<i>Myrica gale</i>	3 - 4'	1
	Rhodora	<i>Rhododendron canadense</i>	3 - 4'	2
	Pinxterbloom Azalea	<i>Rhododendron periclymenoides</i>	4 - 6'	4
	Meadowsweet	<i>Spirea latifolia</i>	3 - 5'	3
	Steeplebush	<i>Spirea tomentosa</i>	2 - 4'	3
	Common Snowberry	<i>Symphoricarpos albus</i>	3 - 6'	3
6' - 9'				
	Red Chokeberry	<i>Aronia arbutifolia</i>	6 - 10'	4
	Black Chokeberry	<i>Aronia melanocarpa</i>	5 - 10'	3
	Sweetshrub	<i>Calycanthus floridus</i>	6 - 9'	4
	Silky Dogwood	<i>Cornus amomum</i>	6 - 10'	4
	Red-Osier Dogwood	<i>Cornus sericea</i>	8 - 10'	2
	Large Fothergilla	<i>Fothergilla major</i>	6 - 9'	4
	Vernal Witchhazel	<i>Hamamelis vernalis</i>	6 - 10'	4
	Common Winterberry	<i>Ilex verticillata</i>	6 - 10'	3-4
	Northern Bayberry	<i>Myrica pensylvanica</i>	6 - 10'	3
	Mountain Holly	<i>Nemopanthus mucronata</i>	6 - 10'	4
	Common Ninebark	<i>Physocarpus opulifolius</i>	5 - 10'	2

Vegetative Buffer Zone(s)	Native	Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
SL LL	Y	Y	M A	PS S	Compact cv., others listed in 6-9' class; plant with male pollinator
SL LL	Y		W or M	S PS Sh	Fragrant flowers; 'Henry's Garnet' recommended
SL	Y	Y	W	S	Aromatic
SL LL	Y		M A	PS Sh	Deciduous azalea
UPL	Y		WD	PS	Deciduous azalea; try cvs. 'Album', 'Roseum'
LL UPL	Y		M WD	S	Sp
SL LL	Y		M	S PS	
SL LL		Y		S PS Sh	Sp, fills in large areas, adaptable to many conditions
LL UPL	Y	Y		S PS	Sp, cv. 'Brilliantissima' has beautiful red fall foliage
LL UPL	Y	Y		S PS	Sp, cv. 'Autumn Magic' has good fall color and compact form
LL UPL				S PS	Fragrant, adaptable to many conditions.
SL LL	Y	Y	M	PS	
SL LL	Y	Y	M	S PS	Sp, colorful winter twigs
SL LL UPL	Y		M A	PS S	Excellent fall color
SL LL	Y	Y	M	S PS	Sp, late winter flowers
SL LL	Y	Y	M A	S PS	Sp, many improved cvs., plant with male pollinator
FAC	Y	Y	WD	S PS	Sp, salt tolerant, does well on poor soils
SL	Y	Y	M		Sp, forms thickets
UPL	Y		WD	S PS	Tough plant; new purple-leaved cvs. popular; 'Nanus' is dwarf form

Height Class	Common Name	Scientific Name	Mature Height	USDA Cold Hardiness Zone
	Roseshell Azalea	Rhododendron prinophyllum	2 - 8'	3
	Pinkshell Azalea	Rhododendron vaseyi	5 - 9'	4
	Swamp Azalea	Rhododendron viscosum	6 - 9'	4
	Swamp Rose	Rosa palustris	6 - 8'	4
	Elderberry	Sambucus canadensis	6 - 12'	3
	Wild Raisin Viburnum	Viburnum cassinoides	6 - 10'	3
	Arrowwood Viburnum	Viburnum dentatum	6 - 9'	2
10' - 15'				
	Buttonbush	Cephalanthus occidentalis	8 - 15'	5
	Gray Dogwood	Cornus racemosa	10 - 15'	3b
	Chinese Witchhazel	Hamamelis mollis	10 - 15'	5
	Panicle Hydrangea	Hydrangea paniculata	10 - 20'	3
	Spicebush	Lindera benzoin	10 - 12'	4
	Rosebay Rhododendron	Rhododendron maximum	5 - 15'	3
	Purpleosier Willow	Salix purpurea	8 - 15'	3
	Highbush Blueberry	Vaccinium corymbosum	6 - 12'	3
	Blackhaw Viburnum	Viburnum prunifolium	12 - 15'	3
	American Cranberrybush Viburnum	Virburnum trilobum	8 - 12'	2

Vegetative Buffer Zone(s)	Native	Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
UPL	Y			PS Sh	Deciduous azalea, tolerates high pH, dry open woods
LL			M A	PS Sh	Deciduous azalea
SL	Y		W	PS Sh	Deciduous azalea
SL	Y	Y	W	S	
SL LL UPL	Y	Y		S	Sp, 'Aurea' has yellow foliage, Sambucus nigra 'Black Beauty' has dark foliage; edible fruit; tolerates wet or dry soils
SL LL	Y	Y		S PS	
LL UPL	Y	Y	WD	S PS	Sp, many new cvs. selected for berry set and fall color
SL	Y	Y	W	S PS	
SL LL	Y	Y	M	S PS	Sp, fills in large areas
LL UPL				S PS	Fragrant, very early spring flowers; cv. 'Pallida' has excellent fall color
LL UPL			M WD	S PS	Many cvs. available including 'Pink Diamond' and 'Limelight'
SL LL	Y	Y	W or M	S PS	Fragrant
LL UPL	Y		M A WD	PS Sh	EG, avoid winter exposure
SL			W	S PS	Sp, good for bank stabilization; 'Nana' a compact cv.
LL UPL	Y	Y	M A WD	S PS	Edible blueberry
UPL		Y	WD	S PS	Good in dry soils
LL UPL	Y	Y	M WD	S PS	Cv. 'Wentworth' recommended for fruits for jellies, 'Alfredo' for fall color and compact form

Height Class	Common Name	Scientific Name	Mature Height	USDA Cold Hardiness Zone
16' - 25'				
	Striped Maple	<i>Acer pensylvanicum</i>	15 - 20'	3
	Speckled Alder	<i>Alnus rugosa</i>	15 - 25'	4
	Downy Serviceberry	<i>Amelanchier arborea</i>	15 - 25'	4
	Shadblow Serviceberry	<i>Amelanchier canadensis</i>	10 - 20'	3
	Allegheny Serviceberry	<i>Amelanchier laevis</i>	20 - 25'	4
	White Fringetree	<i>Chionanthus virginicus</i>	15 - 25'	4
	Pagoda Dogwood	<i>Cornus alternifolia</i>	15 - 25'	3
	Corneliancherry Dogwood	<i>Cornus mas</i>	20 - 25'	4
	Common Witchhazel	<i>Hamamelis virginiana</i>	20 - 25'	3b
	Sweet Azalea	<i>Rhododendron arborescens</i>	8 - 20'	4
	Flameleaf Sumac	<i>Rhus copallina</i>	10 - 20'	4
	Pussy Willow	<i>Salix</i> spp.	10 - 20'	3
25' - 45'				
	Eastern Redcedar	<i>Juniperus virginiana</i>	20 - 40'	3b
	Black Spruce	<i>Picea mariana</i>	30 - 40'	3
	Hophornbeam	<i>Ostrya virginiana</i>	30 - 40'	3b
	American Hornbeam	<i>Carpinus caroliniana</i>	25 - 35'	3b
	Eastern Redbud	<i>Cercis canadensis</i>	20 - 30'	5
	Sweetbay magnolia	<i>Magnolia virginiana</i>	15 - 30'	5
	Kousa Dogwood	<i>Cornus kousa</i>	25 - 35'	5
	Red Mulberry	<i>Morus rubra</i>	30 - 45'	5

Vegetative Buffer Zone(s)	Native	Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
LL UPL	Y		M WD	PS	
SL LL	Y		M	S	
LL UPL	Y	Y	M WD A	S PS	
SL LL	Y	Y	M A	S PS	Sp
SL LL	Y	Y	M A	S PS	
LL		Y	M	PS S	Silky white flowers, large blue berries
UPL	Y	Y	M WD A	PS	
UPL		Y	WD	PS S	Very early yellow flowers, red fruit
LL UPL	Y		M	S PS	Flowers late fall, fragrant
LL	Y		M A	PS Sh	Deciduous azalea
UPL	Y			S	Sp, forms large colonies, red fall foliage
SL LL			M	S PS	For nice catkins use <i>S. caprea</i> or <i>S. chaenomeloides</i> ; the native <i>S. discolor</i> is not as good, subject to canker
UPL	Y	Y	M WD	S	EG, tolerates poor dry conditions
LL	Y		M	S	EG
UPL	Y	Y	M WD	S PS	
LL	Y		M	PS Sh	
LL UPL	Y		M	PS S	Cold hardiness depends northern seed source
LL	Y		M A	PS	EG, avoid winter exposure; large fragrant flowers
UPL		Y	WD A	PS	Good substitute for flowering dogwood, white flowers on hardiest vars.
LL		Y	M		

Height Class	Common Name	Scientific Name	Mature Height	USDA Cold Hardiness Zone
Over 45'				
	Red Maple	<i>Acer rubrum</i>	40 - 60'	3b
	Yellow Birch	<i>Betula alleghaniensis</i>	50 - 70'	3
	River Birch	<i>Betula nigra</i>	40 - 70'	3b
	Atlantic White Cedar	<i>Chaemaecyparis thyoides</i>	40 - 50'	4
	Green Ash	<i>Fraxinus pennsylvanica</i>	50 - 60'	2b
	American Larch	<i>Larix laricina</i>	40 - 80'	2
	American Sweet Gum	<i>Liquidambar styraciflua</i>	60 - 80'	5
	Dawn Redwood	<i>Metasequoia glyptostroboides</i>	50 - 100'	5
	Black Gum	<i>Nyssa sylvatica</i>	30 - 50'	4
	American Plane Tree	<i>Platanus occidentalis</i>	75 - 100'	4
	Swamp White Oak	<i>Quercus bicolor</i>	50 - 60'	4
	Pin Oak	<i>Quercus palustris</i>	60 - 70'	4
	Eastern Arbutoviteae	<i>Thuja occidentalis</i>	40 - 60'	2

Vegetative Buffer Zone(s)	Native	Wildlife Value	Soil	Sun	Comments and Cultivars (cvs.)
SL LL	Y		M A	S PS	Many cvs. selected for good fall color, some are more hardy than others
LL	Y	Y	M	S PS	
LL UPL			M	S PS	Recommended over paper birch for landscape use due to pest resistance; 'Heritage' most popular cv.
SL LL	Y		W or M	S	EG
LL UPL	Y			S	Tolerates many soil conditions; use seedless cvs. near lawns and walkways
LL	Y		M WD A	S	
LL			M	S	
SL LL			M	S	
LL	Y	Y	M A	S PS	Excellent fall color
LL	Y		M	S	Very large, messy - plant only in naturalized areas
SL LL	Y	Y	M A	S	
LL UPL	Y	Y	M A	S	
LL UPL	Y	Y	M WD	S	EG; cvs. 'Techny', 'Nigra' 'Emerald' for cold climates