

RECOMMENDED PLANT SPECIES FOR USE IN BIORETENTION --- SHRUB SPECIES														
SPECIES	MOISTURE REGIME		TOLERANCE						MORPHOLOGY			GENERAL CHARACTERISTICS		
SCIENTIFIC NAME Common Name	INDICATOR STATUS	HABITAT	PONDING	SALT	OM/ METALS	INSECTS	EXPOSURE	FORM	HEIGHT	ROOT SYSTEM	NATIVE	NON-NATIVE	WILDLIFE	
BERBERIS KOREANA Barberry	FAC	Mesic	2-4	H	H	H	M	Sun to Partial sun	Oval shrub	4-6'	Shallow	-	Yes	Low
BERBERIS THUNBERGII Japanese Barberry	FAC	Mesic	2-4	H	H	H	M	Sun	Rounded, broad dense shrub	5-7'	Shallow	-	Yes	Medium
CLETHRA ALNIFOLIA Sweet Pepperbush	FAC	Mesic to Wet Mesic	2-4	H	-	-	H	Sun to Partial sun	Ovoid shrub	6-12'	Shallow	Yes	-	Medium
CORNUS SANGUINEA Red Osler Dogwood	FAC W	Mesic-Hydric	2-4	H	H	H	M	Sun or Shade	Arching, spreading shrub	8-10'	Shallow	Yes	-	High
EUONYMUS ALATUS Winged Euonymous	FAC	Mesic	1-2	H	H	H	M	Sun or Shade	Flat, dense horizontal branching shrub	5-7'	Shallow	-	Yes	No
EUONYMOUS EUROPAEUS Spindle Tree	FAC	Mesic	1-2	M	M	M	M	Sun to Partial Sun	Upright dense oval shrub	10-12'	Shallow	-	Yes	No
HAMAMELIS VIRGINIANA Witch Hazel	FAC	Mesic	2-4	M	M	M	M	Sun or Shade	Vase-like compact shrub	4-6'	Shallow	Yes	-	Low
HYPERICUM DENSIFLORUM Common St John's Wort	FAC	Mesic	2-4	H	M	M	H	Sun	Ovoid Shrub	3-6'	Shallow	Yes	-	Med.

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ILEX GLABRA Inkberry	FAC W	Mesic to wet Mesic	2-4	H	H	-	H	Sun to Partial Sun	Upright dense shrub	8-12'	Shallow	Yes	-	High
ILEX VERTICILLATA Winterberry	FAC W	Mesic to wet Mesic	2-4	L	M	-	H	Sun to Partial sun	Spreading shrub	8-12'	Shallow	Yes	-	High
JUNIPERUS COMMUNIS Common Juniper	FAC	Dry Mesic-Mesic	1-2	M	H	H	M-H	Sun	Mounded shrub	3-6'	Deep taproot	-	Yes	High
JUNIPERUS HORIZONTALIS Creeping Juniper	FAC	Dry Mesic-Mesic	1-2	M	H	H	M-H	Sun	Matted shrub	0-3'	Deep taproot	-	Yes	High
LINDERA BENZOIN Spicebush	FAC W	Mesic to wet Mesic	2-4	H	-	-	H	Sun	Upright shrub	6-12'	Deep	Yes	-	High
MYRICA PENNSYLVANICA Bayberry	FAC	Mesic	2-4	H	M	M	H	Sun to Partial Sun	Rounded, compacted shrub	6-8'	Shallow	Yes	-	High
PHYSOCARPUS OPULIFOLIUS Ninebark	FAC	Dry Mesic to wet Mesic	2-4	M	-	-	H	Sun	Upright shrub	6-12'	Shallow	Yes	-	Medium

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Approved Plants For Stormwater Management

VIBURNUM CASSINOIDES Witherod Viburnum	FAC W	Mesic	2-4	H	H	H	H	Sun to Partial Sun	Rounded, compacted shrub	6-8'	Shallow	Yes	-	High
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VIBURNUM DENTATUM Arrow Wood	FAC	Mesic	2-4	H	H	H	H	Sun to Partial Sun	Upright, multi-stemmed shrub	8-10'	Shallow	Yes	-	High
VIBURNUM LENTAGO Nannyberry	FAC	Mesic	2-4	H	H	H	H	Sun to Partial Sun	Upright, multi-stemmed shrub	8-10'	Shallow	Yes	-	High
QUERCUS FALCATA Shumard's Red Oak	FAC	Mesic	2-4	H	H	H	M	Sun to Partial Sun	Large spreading tree	60-80'	Deep taproot	No	-	High
ROBINA PSEUDE ACACIA Black Locust	FAC	Mesic-Xeric	2-4	H	H	H	M	Sun	Typically tall and slender	30-50'	Shallow	Yes	-	Low
SOPHORA JAPONICA Japanese Pagoda Tree	FAC	Mesic	1-2	M	M	-	M	Sun	Shade tree	40-70'	Shallow	-	Yes	Low
TAXODIUM DISTICHUM Bold Cypress	FAC W	Mesic-Hydric	4-6	-	-	M	H	Sun to Partial Sun	Typically single stem tree	75-100'	Shallow	Yes	-	Low
THUJA OCCIDENTALIS Arborvitae	FAC W	Mesic to wet Mesic	2-4	M	M	M	H	Sun to Partial Sun	Dense single stem tree	50-75'	Shallow	-	Yes	Low

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ZELKOVA SERRATA Japanese Zelkova	FACU	Mesic	1-2	M	M	-	H	Sun	Dense shade tree	60- 70'	Shallow	-	Yes	Low
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RECOMMENDED PLANT SPECIES FOR USE IN BIORETENTION --- TREE SPECIES														
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ACER RUBRUM Red Maple	FAC	Mesic-Hydric	4-6	H	H	H	H	Partial Sun	Single to multi-stem tree	50-70'	Shallow	Yes	-	High
AMELANCHIER CANADENSIS Shadbush	FAC	Mesic	2-4	H	M	-	H	Partial Sun	Single to multi-stem tree	35-50'	Shallow	Yes	-	High
BETULA NIGRA River Birch	FACW	Mesic-Hydric	4-6	-	M	M	H	Partial Sun	Single to multi-stem tree	50-75'	Shallow	Yes	-	High
BETULA POPULIFOLIA Gray Birch	FAC	Xeric-Hydric	4-6	H	H	M	H	Partial Sun	Single to multi-stem tree	35-50'	Shallow to deep	--	Yes	High
FRAXINUS AMERICANA White Ash	FAC	Mesic	2-4	M	H	H	H	Sun	Large tree	50-60'	Deep	Yes	-	Low
FRAXINUS PENNSYLVANICA Green Ash	FACW	Mesic	4-6	M	H	H	H	Partial Sun	Large tree	40-65'	Shallow to deep	Yes	-	Low
GINKGO BILOBA Maidenhair Tree	FAC	Mesic	2-4	H	H	H	H	Sun	Large tree	50-60'	Shallow to deep	-	Yes	Low
GLEDITSIA TRIACANTHOS Honeylocust	FAC	Mesic	2-4	H	M	-	M	Sun	Small canopied large tree	50-75'	Shallow to deep variable taproot	Yes	-	Low

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JUNIPERUS VIRGINIANA Eastern Red Cedar	FACU	Mesic-Xeric	2-4	H	H	-	H	Sun	Dense single stem tree	50-75'	Taproot	Yes	-	Very High
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KOELREUTERIA PANICULATA Golden Rain Tree	FACU	Mesic	2-4	H	H	H	H	Sun	Round, dense shade tree	20-30'	Shallow	-	Yes	No
LIQUIDAMBAR STYRACIFLUA Sweet Gum	FAC	Mesic	4-6	H	H	H	M	Sun	Large tree	50-70'	Deep taproot	Yes	-	High
NYSSA SYLVATICA Black Gum	FACW	Mesic-Hydric	4-6	H	H	H	H	Sun	Large tree	40-70'	Shallow to deep taproot	Yes	-	High
PLATANUS X ACERIFOLIA London Plane Tree	FACW	Mesic	2-4	H	-	-	M	Sun	Large tree	70-80'	Shallow	-	Yes	Low

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