

PLANNING DIVISION
COUNTY OF BRANT



RECOMMENDED PLANTING SPECIES

COUNTY OF BRANT

August 2005

May 8, 2009

PURPOSE

These Guidelines were created to assist with the selection of plant materials that are to be used and not used when preparing landscaping plans within the County. The intent is to protect natural areas from invasive species that can have the affect of destroying natural habitat. By applying these standards to development applications, the County will assist in limiting the potential negative impacts invasive species can create, and at the same time, provide species that are native to the County. The materials to be used should be tolerant to urban conditions, and are encouraged to be of native species.

The Guidelines have been created with the assistance of the Grand River Conservation Authority, Jeff Thompson of Thompson Environmental Planning and Design, and County Staff.

Species Recommended For Use

NATIVE TREE SPECIES

BOTANICAL NAME

COMMON NAME

Pinaceae

Abies balsamea
Larix laricina
Picea mariana
Pinus strobus
Tsuga canadensis

Pine Family

Balsam fir
Tamarack
Black spruce
Eastern white pine
Eastern hemlock

Cupressaceae

Juniperus virginiana
Thuja occidentalis

Cypress Family

Eastern red cedar
Eastern white cedar

Salicaceae

Populus balsamifera
Populus deltoides
Populus grandidentata
Populus tremuloides
Salix amygdaloides
Salix bebbiana
Salix lucida
Salix discolor
Salix nigra

Willow Family

Balsam poplar
Eastern cottonwood
Large tooth aspen
Trembling aspen
Peach-leaf willow
Bebb or Beaked willow
Shining willow
Pussy willow
Black willow

Juglandaceae

Carya cordiformis
Carya glabra
Carya ovalis
Carya ovata
Juglans cinerea
Juglans nigra

Walnut Family

Bitternut hickory
Pignut hickory
Red hickory
Shagbark hickory
Butternut
Black walnut

Corylaceae

Carpinus caroliniana
Betula lutea
Betula papyrifera
Ostrya virginiana

Hazel Family

Blue-beech, Ironwood
Yellow birch
White birch
Hop-Hornbeam

Fagaceae

Castanea dentata
Fagus grandifolia
Quercus alba
Quercus bicolor
Quercus macrocarpa
Quercus rubra
Quercus velutina

Beech Family

Sweet or American (Rare Species) Chestnut
Beech
White oak
Swamp White oak
Bur oak
Red oak
Black or Yellow-barked oak

Ulmaceae

Celtis occidentalis
Ulmus americana
Ulmus thomasii
Ulmus rubra

Lauraceae

Sassafras albidum

Hamamelidaceae

Hamamelis virginiana

Platanaceae

Patanus occidentalis

Rosaceae

Amelanchier laevis
Amelanchier arborea
Crataegus crus-galli
Crataegus chrysoarpa
Crataegus holmesiana
Crataegus pruinosa
Cragaeus punctata
Malus coronaria
Prunus americana
Prunus nigra
Prunus pennsylvanica
Prunus serotina
Prunus virginiana

Anacardiaceae

Rhus typhina

Aceraceae

Acer saccharinum ssp. nigrum
Acer rubrum
Acer saccharinum
Acer saccharum
Acer spicatum

Tillaceae

Tilia americana

Cornaceae

Cornus alternifolia

Oleaceae

Fraxinus americana
Fraxinus nigra
Fraxinus pennsylvanica
Fraxinus pennsylvanica
Var. subintegerrima

Elm family

Hackberry
White elm
Rock elm
Slippery elm

Laurel Family

White sassafras

Witch-Hazel Family

Witch hazel

Plane-tree Family

American sycamore

Rose Family

Allegheny or Smooth serviceberry
Downy serviceberry
Cockspur hawthorn
Golden-fruited hawthorn
Holmes hawthorn
Frosty hawthorn
Dotted hawthorn
Wild crab apple
Wild plum
Canada plum
Pin cherry
Black cherry
Choke cherry

Cashew Family

Staghorn sumac

Maple Family

Black maple
Red maple
Silver maple
Sugar maple
Mountain maple

Linden Family

Basswood

Dogwood Family

Alternate-leaved dogwood

Olive Family

White ash
Black ash
Red ash
Green ash

Caprifollaceae

Viburnum lentago

Honey Suckle Family

Nannyberry

NATIVE SHRUB SPECIES

BOTANICAL NAME

COMMON NAME

Taxaceae

Taxus canadensis

Yew Family

American yew, Ground hemlock

Cupressaceae

Juniperus communis

Cypress Family

Ground or common juniper

Lillaceae

Smilax hispida

Lily Family

Bristly greenbrier

Sallicaceae

Salix candida

Salix eriocephala

Salix rigida

Salix exigua

Salix humilis

Salix petiolaris

Willow Family

Sage-leaved or Hoary willow

Heart-leaved willow

Willow

Sandbar willow

Upland, Prairie, or Small Pussy willow

Slender willow

Betulaceae

Corylus americana

Corylus cornuta

Birch Family

Hazelnut, American hazel

Beaked hazel

Ranunculaceae

Clematis virginiana

Buttercup Family

Virgin's bower

Rosaceae

Aronia melanocarpa

Physocarpus opulifolius

Rosa blanda

Rosa carolina

Rosa palustris

Rubus allegheniensis

Rubus canadensis

Rubus occidentalis

Rubus pubescens

Rubus strigosus

Spiraea alba

Rose Family

Chokeberry

Ninebark

Smooth wild rose

Pasture rose

Swamp rose

Common or High-bush Blackberry

Smooth blackberry

Black raspberry

Dwarf raspberry

Wild Red raspberry

Narrow-leaved meadowsweet

Rutaceae

Zanthoxylum americanum

Rue Family

Prickly ash

Aquifoliaceae

Ilex verticillata

Holly Family

Winterberry, Black alder

Celastraceae

Staff-Tree Family

Celastrus scandens
Euonymus atropurpureus
Euonymus obovatus

Staphyleaceae

Staphylea trifolia

Rhamnaceae

Ceanothus americanus

Vitaceae

Parthenocissus inserta
Vitis aestivalis
Vitis riparia

Thymelaeaceae

Dirca palustris

Cornaceae

Cornus amomum
Cornus canadensis
Cornus foemina
Cornus rugosa
Cornus stolonifera

Ericaceae

Vaccinium angustifolium
var.nigrum
Vaccinium myrtilloides

Rubiaceae

Cephalanthus occidentalis
Mitchella repens

Caprifollaceae

Diervilla lonicera
Linnaea borealis
Lonicera canadensis
Lonicera dioica
Sambucus canadensis
Sambucus pubens
Symphoricarpos albus
Viburnum acerifolium
Viburnum cassinoides
Viburnum lentago
Viburnum rafinesquianum
Viburnum trilobum

Bittersweet
Burning bush, Wahoo
Running strawberry bush

Bladdernut Family

Bladdernut

Buckthorn Family

New Jersey tea

Grape Family

Virginia creeper
Summer grape
Riverbank or Frost grape

Mezereum Family

Leatherwood, Moosewood

Dogwood Family

Silky dogwood
Bunchberry
Gray dogwood
Round-leaved dogwood
Red osier dogwood

Heath Family

Low sweet blueberry
Velvet-leaf blueberry

Madder Family

Button bush
Partridge berry

Honeysuckle Family

Bush honeysuckle
Twinner
Canada Fly Honeysuckle
Smooth honeysuckle
Elderberry, American elder
Elderberry, Red-berried elder
Snowberry
Maple-leaved viburnum
Wild raisin, Witherod
Nannyberry
Downy arrow-wood
High-bush cranberry

Species NOT Recommended For Use

The following native species are not recommended for general use, as they are highly restricted to specific habitats in the County of Brant. They should be planted only in the immediate vicinity of areas where they now exist or have been reliably documented in the past.

TREES

BOTANICAL NAME

COMMON NAME

Corylaceae

Betula populifolia

Hazel Family

Grey birch

Fagaceae

Quercus ellipsoidalis

Beech Family

Northern Pin oak

Rosaceae

Sorbus americana

Rose Family

American Mountain ash

SHRUBS

BOTANICAL NAME

COMMON NAME

Myricaceae

Comptonia peregrina
Myrica gale

Bayberry Family

Sweet fern
Sweet gale

Betulaceae

Betula pumila var.
glandulifera

Birch Family

Dwarf birch

Rosaceae

Amelanchier humilis
Amelanchier sanguinea
Amelanchier stolonifera
Rubus flagellaris
Rubus hispidus
Rubus odoratus

Rose Family

Serviceberry, Shadbush, Juneberry
Shadbush, Serviceberry
Serviceberry
Northern dewberry
Swamp dewberry
Purple-flowering raspberry

Anacardiaceae

Rhus aromatica

Cashew Family

Fragrant sumac

Elaeagnaceae

Shepherdia canadensis

Oleaster Family

Buffalo berry, Soapberry

Arallaceae

Aralia hispida

Ginseng Family

Bristly sarsaparilla

Pyrolaceae

Chimaphila umbellata

Ericaceae

Andromeda polifolia

ssp. glaucophylla

Arctostaphylos uva-ursi

Chamaedaphne

calyculata

Epigaea repens

Gaultheria hispidula

Gaultheria procumbens

Gaylussacia baccata

Kalmia polifolia

Ledum groenlandicum

Vaccinium corymbosum

Vaccinium macrocarpon

Vaccinium oxycoccos

Vaccinium pallidum

Caprifoliaceae

Lonicera hirsuta

Lonicera oblongifolia

Viburnum lantanoides

Wintergreen Family

Prince's pine Pipsissewa

Heath Family

Bog-rosemary

Bearberry

Leatherleaf, Cassandra

Trailing arbutus

Snowberry

Wintergreen

Checkerberry

Black huckleberry

Bog-laurel, Pale-laurel

Labrador tea

High-bush blueberry

Large cranberry

Small cranberry

Dryland or low blueberry

Honeysuckle Family

Hairy honeysuckle

Swamp fly honeysuckle

Hobble-bush

Invasive Alien Herbaceous Species

The following herbaceous species are **NOT** suitable for restoration and landscaping within and adjacent to Environmentally Sensitive Policy Areas because they are alien and/or highly invasive.

BOTANICAL NAME

COMMON NAME

Butomaceae

Butomus umbellatus

Flowering Rush Family

Flowering Rush

Hydrocharitaceae

Hydrocharis morus-ranae

Frog's-Bit Family

Frog's-bit

Gramineae

Agropyron pectiniforme
Agropyron repens
Bromus inermis
Miscanthus sinensis
Phalaris arundinacea
Phragmites australis

Grass Family

Crested wheat grass
Quack grass
Smooth brome grass
Feather grass
Reed canary grass
Reed

Lillaceae

Convallaria majalis
Hemerocallis spp.
Polygonatum cuspidatum

Lily Family

Lily of the valley-Domestic
Daylily
Knotweed

Iridaceae

Iris pseudacorus

Iris Family

Yellow Iris

Papaveraceae

Chelidonium majus

Poppy Family

Celandine

Cruciferae

Alliaria petiolata
Cheiranthus cheiri
Hesperis matronalis

Mustard Family

Garlic mustard
Wallflower
Dame's rocket

Leguminosae

Coronilla varia
Lotus corniculatus
Lathyrus latifolius
Medicago lupulina
Melilotus alba
Melilotus officinalis
Trifolium hybridum
Trifolium pratense
Trifolium repens
Vicia cracca

Pulse Family

Crown vetch
Bird-foot trefoil
Sweet or Perennial pea
Black medick
White sweet clover
Yellow sweet clover
Alsike clover
Red clover
White clover
Tufted-vetch

Euphorblaceae

Spurge Family

Euphorbia cyparissias
Euphorbia esula

Balsaminaceae

Impatiens glandulifera
Guhiferacea
Hypericum perforatum

Malvaceae

Malva moschata

Violaceae

Viola odorata

Lythraceae

Lythrum salicaria
Haloragaceae
Myriophyllum spicatum

Umbelliferae

Aegopodium podagraria
Pastinaca sativa

Primulaceae

Lysimachia nummularia

Apocynaceae

Vinca minor

Asclepiadaceae

Cynanchum spp.

Boraginaceae

Myosotis scorpioides

Lablatae

Ajuga reptans
Glechoma hederacea

Rublanceae

Galijm mollugo

Dipsacaceae

Dipsacus laciniatus
Dipsacus sylvestris

Campanulaceae

Campampanula rapunculoides

Compositae

Achillea millefolium
Centaurea maculata
Chrysanthemum leucanthemum

Cypress spurge
Leafy spurge

Touch-me-not-Family

Pink touch-me-not
St. John's Wort Family
St. John's wort

Mallow Family

Musk-mallow

Violet Family

Sweet or English violet

Loosestrife Family

Purple loosestrife
Water Milfoil Family
Eurasian Water-Milfoil

Parsley Family

Goutweed
Wild parsnip

Primrose Family

Moneywort

Dogbane Family

Periwinkle

Milkweed Family

Dog strangling vine

Borage Family

True Forget-me-not

Mint Family

Bugle
Ground Ivy

Madder Family

Wild madder

Teasel Family

Cut-leaved teasel
Teasel

Bluebell Family

Creeping bellflower

Composite Family

Common yarrow
Knapweed
Ox-eye or Common daisy

Cirsium arvens
Senecio jacobaea
Tanacetum vulgare
Tussilago farfara

Canada thistle
Stinking willie
Common tansy
Coltsfoot

Trees and shrubs listed on this page, although native species to Carolinian Forests, occur in small percentages in their native environment and require specific site conditions for successful establishment and growth. A comprehensive description of the silvicultural methods necessary to ensure successful regenerations of the species listed below will be required to achieve desirable results.

BOTANICAL NAME

COMMON NAME

Juglanaccae

Carya glabra
Carya laciniosa

Walnut Family

Pignut Hickory
Big Shellbark Hickory

Cornaccae

Nyssa sylvatica

Dogwood Family

Black Gum

Corylaceae

Betula lenta

Hazel Family

Cherry Birch

Fagaceae

Castanea dentate
Quercus ellipsoidalis
Quercus muhlenbergii
Quercus prinoides

Beech Family

American Chestnut
Hills Oak
Chinquapin Oak
Dwarf Chinquapin Oak

Rutaceae

Ptelea trifoliata

Rue Family

Common Hoptree

Magnoliaceae

Magnolia acuminata

Magnolia Family

Cucumber Tree

Fabaceae

Gymnocladus dioicus
Cercis canadensis

Legume Family

Kentucky coffeetree
Eastern redbud

Hippocastinaceae

Aesculus glabra

Chestnut Family

Ohio buckeye

Moraceae

Morus rubra

Mulberry Family

Red mulberry

Invasive Alien Tree and Shrub Species

The following tree and shrub species are **NOT** suitable for restoration and landscaping within and adjacent to Environmentally Sensitive Policy Areas because they are alien and or highly invasive.

TREES

BOTANICAL NAME

COMMON NAME

Salicaceae

Populus alba

Willow Family

White poplar

Betulaceae

Alnus glutinosa

Birch Family

Black alder

Ulmaceae

Ulmus parviflora

Ulmus pumila

Elm Family

Chinese elm

Siberian elm

Moraceae

Morus alba

Mulberry Family

White mulberry

Leguminosae

Robinia pseudoacacia

Pea Family

Black locust

Simaroubaceae

Ailanthus altissima

Quassia Family

Tree-of-heaven

Aceraceae

Acer ginnala

Acer negundo

Acer platanoides

Maple Family

Amur maple

Manitoba maple

Norway maple

Rhamnaceae

Rhamnus cathartica

Rhamnus frangula

Buckthorn Family

Common buckthorn

Glossy buckthorn

Elaeagnaceae

Elaeagnus angustifolia

Oleaster Family

Russian olive

SHRUBS

BOTANICAL NAME

COMMON NAME

Berberidaceae

Berberis thunbergii

Berberis vulgaris

Barberry Family

Japanese barberry

European barberry

Rosaceae

Rosa multiflora

Celastraceae

Euonymus alatus
Euonymus fortunei
Ligustrum vulgare

Vitaceae

Hedera helix

Apocynaceae

Vinca minor

Caprifoliaceae

Lonicera japonica
Lonicera tartarica
Viburnum opulus var. opulus
Viburnum lantana

Rose Family

Multiflora rose

Staff-Tree Family

Burning bush
Wintercreeper
Common privet

Grape Family

English Ivy

Dogbane Family

Periwinkle

Honeysuckle Family

Japanese honeysuckle
Tartarian honeysuckle
European cranberry
Wayfaring tree