



# TREES

soil  
 wet moist dry full sun part sun/shade full shade no pref.  
 z: zone h: height s: spread



*Acer rubrum* - Red Maple  
 March-April. Street and shade tree

z: 3  
 h: 40'-70'  
 s: 30'-50'



*Amelanchier laevis* - Allgheny Serviceberry. March-April. Fragrant.

z: 3  
 h: 15'-25'  
 s: 15'-25'



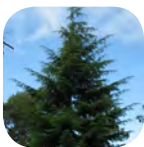
*Betula papyrifera* - Paper Birch  
 April. Acidic, sandy/silty loams.

z: 2  
 h: 50'-70'  
 s: 25'-35'



*Gleditsia triacanthos var. inermis* - Thornless Honey Locust. May-June. Wind and salt tolerant. Good for beach/streets.

z: 3  
 h: 60'-80'  
 s: 60'-80'



*Tsuga canadensis* - Canadian Hemlock  
 April. Rock, cool soils. Sensitive to salt.

z: 3  
 h: 50'-75'  
 s: 25'-35'



## Plant Symbol Legend

- Herbaceous Perennials
- Trees
- Shrubs
- Wetland Obligate
- Edible
- Cut Flowers
- Wildlife Attractor
- Require Extra Care
- Winter Interest
- Rain Garden
- Drought Tolerant
- Fall Foliage



Trees have the biggest impact on the quality of the watershed. The presence of trees near shore banks provides shade for animal habitats and absorbs rain water. Their deep and spreading roots increase soil stability and prevent erosion control.



# HERBACEOUS PERENNIALS

soil  
 wet moist dry  
 full sun part sun/shade full shade no pref.  
 z: zone  
 h: height  
 s: spread

## Flowers

Symbol legend on page 25.



*Anemone canadensis* - Windflower  
April-June. Sandy soil. Clumping.

z: 4  
h: 1'-3'  
s: 3'



*Eupatoriadelphus maculatum* - Joe Pye Weed. July to October.  
Adaptable. Leave flower heads in fall.

z: 4  
h: 3'-5'  
s: 1'-4'



*Monarda punctata* - Spotted Beebalm  
Juny-July. Sandy soil. Clumps/spreads.

z: 3  
h: 1.5'-2'  
s: 1'



*Aquilegia canadensis* - Columbine  
April-May. Sandy.

z: 3  
h: 2'-3'  
s: 1'-1.5'



*Geranium maculatum* - Wild Geranium  
April-July. Acidic soil. Clumping.

z: 4  
h: 3'-5'  
s: 1'-4'



*Oenothera pilosella* - Meadow Evening  
Primrose. July-August. Adaptable.

z: 4  
h: .5'-2'  
s: Varies



*Asclepias incarnata* - Swamp Milkweed  
July-August. Adaptable.

z: 3  
h: 4'-5'  
s: 2'-3'



*Iris versicolor* - Blue Flag Iris  
May-June. Clumping.

z: 3  
h: 2'-2.5'  
s: 2'-2.5'



*Penstemon hirsutus* - Hairy Beardtongue  
Juny-July. Shallow, well-drained.

z: 3  
h: 1.5'-2'  
s: Varies



*Asclepias tuberosa* - Butterfly Milkweed  
June-August. Well drained.

z: 3  
h: 1'-3'  
s: 1'-1.5'



*Lavandula angustifolia* - Lavender  
June-August. Non-native.

z: 5  
h: 1'-1.5'  
s: 1'-1.5'



*Phlox paniculata* - Phlox  
July-September. Tolerates clay.

z: 3  
h: 2'-4'  
s: 2'-3'



*Baptisia australis* - Blue Wild Indigo  
May-June.

z: 4  
h: 4.5'-5.5'  
s: 3'-4'



*Lobelia cardinalis* - Cardinal Flower  
July-September.

z: 3  
h: 2'-4'  
s: 1'-2'



*Ratibida pinnata* - Yellow Coneflower  
July-August. Tolerates clay.

z: 3  
h: 2'-4'  
s: 2'-3'



*Echinacea purpurea* - Coneflower  
June-August. Well-drained soil.

z: 3  
h: 2'-5'  
s: 1.5'-2'



*Lobelia siphilitica* - Great Blue Lobelia  
July-September.

z: 3  
h: 2'-4'  
s: 1'-2'



*Symphyotrichum novae-angliae* - New  
England Aster. August-September.  
Tolerates clay. Lots of wildlife.

z: 4  
h: 2'-5'  
s: 2'-3'





# HERBACEOUS PERENNIALS

soil: wet (dark blue), moist (light blue), dry (orange)  
 sun/shade: full sun (red), part sun/shade (orange), full shade (yellow), no pref. (purple)  
 z: zone  
 h: height  
 s: spread

## Ferns



*Tradescantia virginiana* - Spiderwort  
August-September. Acidic.

z: 4  
 h: 1.5'-3'  
 s: 1'-3'

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*Carex stricta* - Tussock Sedge  
May-June. Nesting habitat.

z: 3  
 h: 1'-3'  
 s: 1'-2'

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*Athyrium filix-femina* - Lady Fern  
Clumping and spreading.

z: 4  
 h: 1'-3'  
 s: 1-2.5'

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*Veronicastrum virginicum* - Culver's Root  
June-July. Rain gardens.

z: 3  
 h: 4'-7'  
 s: 2'-4'

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*Carex vulpinoidea* - Fox Sedge. July-August. Clumping. Erosion control.

z: 3  
 h: 1'-3'  
 s: .5'-2'

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*Matteuccia struthiopteris* - Ostrich Fern  
Tolerates clay soils. Fiddleheads.

z: 3  
 h: 3'-6'  
 s: 5'-8'

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## Grasses



*Andropogon gerardii* - Big Bluestem  
September-February. Erosion control. Cut to ground in spring. Winter interest.

z: 4  
 h: 4'-6'  
 s: 2'-3'

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*Panicum virgatum* - Switchgrass  
July-February. Erosion control. Salt Tolerant. Clumping.

z: 4  
 h: 3'-6'  
 s: 2'-3'

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*Osmunda regalis* - Royal Fern  
Forms clusters. Full sun if kept moist.

z: 3  
 h: 2'-3'  
 s: 2'-3'

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*Aristida purpurea* - Purple Threeawn  
May-September. Dry soils.

z: 3  
 h: 1'-3'  
 s: 1'-1.5'

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*Schizachyrium scoparium* - Little Bluestem. August-November. Salt tolerant. Erosion control. Purpleish.

z: 3  
 h: 3'-5'  
 s: 1'-2'

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*Polystichum acrostichoides* - Christmas Fern. Evergreen. Erosion control. Full sun if moist

z: 3  
 h: 2'-3'  
 s: 2'-3'

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*Carex grayi* - Gray Sedge  
May-October. Salt tolerant.

z: 5  
 h: 2'-3'  
 s: 1.5'-2'

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*Sorghastrum nutans* - Indiangrass  
September-February. Erosion control.

z: 4  
 h: 2'-4'  
 s: 1'-2'

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*Thelypteris noveboracensis* - New York Fern. Groundcover. Grow in tufts.

z: 3  
 h: 1'-2'  
 s: 1'-3'

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*Carex lurida* - Lurid Sedge.  
May-September.

z: 3  
 h: 1.5'-3'  
 s: 1'-2'

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*Carex appalachica* - Appalachian Sedge  
May-September.

z: 3  
 h: 2'-4'  
 s: 1'-2'

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*Adiantum pedatum* - Maidenhair Fern  
Groundcover.

z: 3  
 h: 1'-1.5'  
 s: 1'-1.5'

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# SHRUBS

soil  
 wet moist dry  
 full sun part sun/shade full shade no pref.  
 z: zone  
 h: height  
 s: spread



*Aronia arbutifolia* - Red Chokeberry  
April. Erosion control. Tolerates clay.

z: 4  
 h: 6'-8'  
 s: 3'-4'



*Myrica gale* - Sweetgale. July-September. Fragrant. Shorelines.

z: 2  
 h: 3'-6'  
 s: 3'-6'



*Vaccinium angustifolium* - Lowbush Blueberry. May-June. Acidic soil.

z: 3  
 h: .5'-2'  
 s: .5'-1'



*Aronia melonocarpa* - Black Chokeberry  
May. Fruit is edible.

z: 3  
 h: 3'-6'  
 s: 3'-6'



*Ribes americanum* - Wild Black Currant  
April-May. Delicious purple berries. \*

z: 2  
 h: 3'-6'  
 s: 1'-4'



*Vaccinium corymbosum* - Highbush Blueberry. May-June. Acidic.

z: 3  
 h: 6'-12'  
 s: 6'-12'



*Cephalanthus occidentalis* - Buttonbush  
June. Erosion control.

z: 4  
 h: 5'-12'  
 s: 4'-8'



*Salix discolor* - Pussy Willow  
April-May. Erosion control.

z: 2  
 h: 6'-15'  
 s: 4'-12'



*Viburnum trilobum* - American Cranberry  
April-June.

z: 2  
 h: 6'-12'  
 s: 6'-12'



*Clethra alnifolia* - Summersweet  
July to August. Fragrant.

z: 4  
 h: 3'-8'  
 s: Varies



*Sambucus canadensis* - Elderberry  
June-July. Low maintenance.

z: 3  
 h: 6'-12'  
 s: 6'-12'



*Cornus sericea* - Red Osier Dogwood  
May-June. Erosion control. Spreads.

z: 2  
 h: 6'-9'  
 s: 8'-12'



*Spiraea alba* - Meadowsweet  
Long blooms midsummer.

z: 3  
 h: 3'-4'  
 s: 3'-6'



*Ilex verticillata* - Winterberry  
June-July. Erosion control.

z: 3  
 h: 3'-12'  
 s: 3'-12'



*Spiraea tomentosa* - Steeplebush  
July-September. Mound form.

z: 4  
 h: 3'-6'  
 s: 3'-6'



\* Do not plant *Ribes americanum* near white pines

# ALTERNATIVE PLANT CHOICES

If the plants highlighted up above are not to your liking or are unavailable, here is a list of alternative plant options we would recommend. Use the plant database links from the resources page to learn a bit more about these plants.

## Herbacious Perennials

*Agastache foeniculum*  
*Diervilla lonicera*  
*Helenium autumnale*  
*Penstemon digitalis*  
*Rudbeckia triloba*  
*Solidago rugosa*  
*Onoclea sensibilis*

Anise Hyssop  
Bush-honeysuckle  
Sneezeweed  
Smooth White Beardtongue/Foxglove  
Brown-Eyed Susan  
Goldenrod  
Sensitive Fern



## Shrubs

*Aronia prunifolia*  
*Corylus americana*  
*Hamamelis virginiana*  
*Kalmia angustifolia*  
*Ribes hirtellum*  
*Ribes triste*  
*Sambucus racemosa*  
*Vaccinium macrocarpon*  
*Vaccinium vitis-idaea*  
*Viburnum lentago*  
*Viburnum prunifolium*

Purple Chokeberry  
Hazelnut/American Filbert  
Common Witchhazel  
Sheep Laurel  
Northern Gooseberry  
Swamp Red Currant  
Red-berried Elderberry  
Cranberry  
Lingonberry  
Nannyberry Viburnum  
Blackhaw Viburnum



## Trees

*Alnus rugosa*  
*Amelanchier arborea*  
*Betula alleghaniensis*  
*Betula nigra*  
*Carya Ovata*  
*Quercus macrocarpa*  
*Quercus rubra*  
*Thuja occidentalis*  
*Tilia americana*

Speckled Alder  
Downy Serviceberry/Juneberry/Shadbush  
Yellow Birch  
River Birch  
Shagbark Hickory  
Bur Oak  
Red Oak  
Eastern White Cedar/Northern White Cedar/Swamp Cedar  
American Basswood

