



# Conservation Halton's Native Species List

June 2024  
Version 1.2



## TABLE OF CONTENTS

Abbreviations .....	3
Section 1. Introduction .....	4
1.1 Table Codes.....	4
Appendix 1: Native Species List .....	7

### Tables

Table 1 List of Abbreviations.....	3
Table 2 Codes for Species' Rarity from Natural Area Inventories .....	5
Table 3 Colour Codes .....	5
Table 4 Shade Tolerance.....	6

### Figures

Figure 1 Coefficient of Wetness .....	5
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## Abbreviations

The following table lists the various abbreviations used within this document:

**TABLE 1 LIST OF ABBREVIATIONS**

<b>CH</b>	Conservation Halton	<b>CoW</b>	Coefficient of Wetness
<b>GLRP</b>	Conservation Halton's Guidelines for Landscaping and Rehabilitation Plans (2024)	<b>NAI</b>	Natural Area Inventory
<b>SWM</b>	Stormwater Management		

## Section 1. Introduction

Conservation Halton (CH) developed a list of acceptable species for planting plans in regulated areas within its municipalities. This list can assist qualified professionals in selecting native species as outlined in CH's Guidelines for Landscaping and Rehabilitation Plans (GLRP, 2024). The species are grouped into the following vegetation types:

- Trees
- Shrubs
- Woody Groundcover
- Vines
- Clubmosses, Ferns and Horsetails
- Grasses
- Rushes
- Sedges
- Emergent Vegetation
- Submergent Vegetation
- Floating Vegetation
- Herbaceous

The information in the Native Species List is taken from the Halton Natural Area Inventory (NAI) 2006, the Hamilton NAI 2014 as well several other resources available upon request. Refer to the NAIs in case of a discrepancy between this list and the respective NAI. Within CH's watershed, please refer to the Halton list for works in Peel Region or Wellington County.

To ensure our landscapes remain resilient, we will allow certain additional species, identified as rare in the local natural area inventories to be planted in the regulated area. Some of these species are already prevalent and thriving in the watershed. Other species are on the edge of natural habitat range and may be better adapted to the changing climate.

**Proponents should confirm plant availability before specifying a species as not all plants are available at nurseries. Please note some of the species in the Native Species List are beneficial to the environment but may be harmful to humans and/or pets. Consult with the nursery on safe and effective planting methods. Exercise caution while preparing and implementing planting plans.**

### 1.1 Table Codes

#### Species Status in Conservation Halton

Common "C" and uncommon "U" species are acceptable for planting in the respective regions. Refer to Table 2 for an explanation of the codes used in the Native Species List.

**TABLE 2 CODES FOR SPECIES' RARITY FROM NATURAL AREA INVENTORIES**

Definition	
R	Rare: observed in 5 or fewer sites in the respective NAIs
U	Uncommon: observed in 6 - 15 sites in the respective NAIs
C	Common in respective NAIs
H?	Requires Further Review
I	Introduced
R	Rare: observed in 5 or fewer sites in the respective NAIs

Refer to Table 3 for an explanation of the colours used in the Native Species List. Nurse crop species are in green. Grey and brown species statuses indicate that the species is not suitable for planting in the regulated area unless approved by CH.

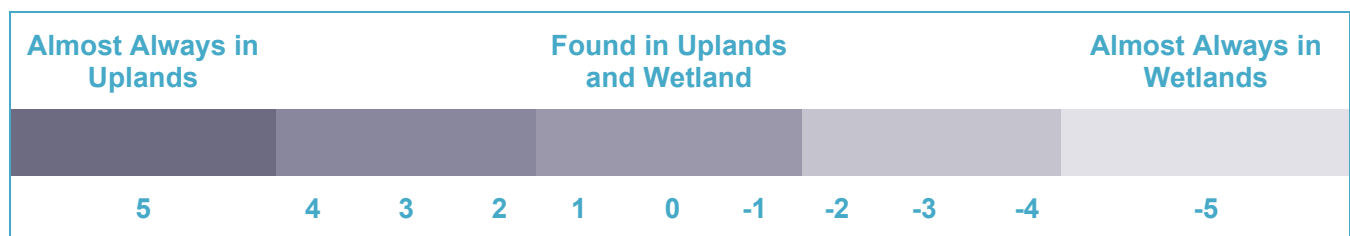
**TABLE 3 COLOUR CODES**

Colour Codes	
	Grey denotes species rare in Halton or Hamilton and not suitable for planting
	Green denotes a suitable nurse crop species
	Brown denotes species not present in the municipality and not suitable for planting
	Blue denotes species added to the list in 2022.

**Coefficient of Wetness (CoW)**

The coefficient of wetness value indicates the plant's soil moisture tolerance. The values provided in Figure 1 represents the type of vegetation community the species can tolerate under natural conditions.

**Figure 1 Coefficient of Wetness**



## Environmental Tolerance

Where data is available, this section indicates the species' degree of tolerance to the different stresses from high (H), medium (M) to low (L). Certain species simply show a "T" in this column as the degree of tolerance is unknown.

Shade tolerance is shown for some species by the letter codes in Table 3. Some species require a certain amount of direct sunlight to flourish. Other species can tolerate a range of sunlight hours.

**TABLE 4 SHADE TOLERANCE**

Hours of Sunlight	
S	Full Sun: Six or more hours of direct sunlight
P	Part Sun/Part Shade: Four to six hours of direct sunlight
S-P	Full Sun to Part Shade: Four to more hours of direct sunlight
P-D	Part Shade to Full Shade: Six or less hours of direct sunlight
D	Full Shade: Four or less hours of direct sunlight
S-D	Full Sun to Full Shade: Species can grow under all sunlight conditions

## Bioengineering

Species appropriate for bioengineering projects based on rooting type and ability.

## Stormwater Management (SWM)

Species shown to be successful for stormwater management facilities based on CH staff observations and research. Certain species are suitable for wet and/or dry SWM ponds as indicated.

*Please inform CH of any discrepancies. The Native Species List is current as of April 2024 and is available online.*

## Appendix 1: Native Species List

## Appendix 1: Native Species List

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<b>Trees</b>										
<i>Abies balsamea</i>	Balsam Fir	C	C	-3		L	D	Shallow Fibrous	Very Good	
<i>Acer rubrum</i>	Red Maple	C	C	0	M	L	S-P			
<i>Acer saccharinum</i>	Silver Maple	C	C	-3	M	M	S			
<i>Acer saccharum ssp. nigrum</i>	Black Maple	C	C	3	T					
<i>Acer saccharum ssp. saccharum</i>	Sugar Maple	C	C	3	M	L	D			
<i>Acer x freemanii</i>	Freeman's Maple	C	C	-	M	L-M				
<i>Betula alleghaniensis</i>	Yellow Birch	C	C	0		H	D			
<i>Betula papyrifera</i>	White Birch	C	C	2	M-H	M-H	S			
<i>Carya cordiformis</i>	Bitternut Hickory	C	C	0	M	L	S-P			
<i>Carya ovata</i>	Shagbark Hickory	C	C	3	H	L	S-P			
<i>Celtis occidentalis</i>	Hackberry	<b>R</b>	<b>U</b>	1	M	M				
<i>Fagus grandifolia</i>	American Beech	C	C	3		L	S-P			



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Fraxinus americana</i>	White Ash	C	C	3	M-L	M-H	S			
<i>Fraxinus nigra</i>	Black Ash	C	C	-4	M-L	M-H	S			
<i>Fraxinus pennsylvanica</i>	Red Ash, Green Ash	C	C	-3	M	L-M	S			
<i>Juglans nigra</i>	Black Walnut	C	C	3	H	L-M	S			
<i>Juniperus communis</i>	Common Juniper	R	R	3	H	H	S			
<i>Juniperus horizontalis</i>	Prostate Juniper			3	H	H	S			
<i>Juniperus virginiana</i>	Red Cedar	U	C	3	M-H	M	S			
<i>Larix laricina</i>	Tamarack	C	C	-3	H	H	S			
<i>Liriodendron tulipifera</i>	Tulip Tree	R		3	L	L	S			
<i>Malus coronaria</i>	Wild Crab Apple	U	C	5			P			
<i>Ostrya virginiana</i>	Ironwood	C	C	4	T		P-D			
<i>Picea glauca</i>	White Spruce	U	C	3	M	H	S			
<i>Pinus strobus</i>	White Pine	C	C	3	M	L	S			
<i>Platanus occidentalis</i>	Sycamore	R	R	-3	M	L	S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Populus balsamifera ssp. balsamifera</i>	Balsam Poplar	C	C	-3	M	H	S			
<i>Populus deltoides ssp. deltoides</i>	Cottonwood	C	C	-1	H	M-H	S	Shallow Fibrous Suckering	Very Good	
<i>Populus grandidentata</i>	Large-toothed Aspen	C	C	3	H	H	S			
<i>Populus tremuloides</i>	Trembling Aspen	C	C	0	M	H	S			
<i>Prunus nigra</i>	Canada Plum	U	C	4			P			
<i>Prunus serotina</i>	Wild Black Cherry	C	C	3	M	M-H	S			
<i>Quercus alba</i>	White Oak	C	C	3	H	H	S			
<i>Quercus bicolor</i>	Swamp White Oak	R	C	-4	H	M-H				
<i>Quercus macrocarpa</i>	Bur Oak	C	C	1	H	M-H	S			
<i>Quercus muehlenbergii</i>	Chinquapin Oak	U	C	5	M-H	M				
<i>Quercus rubra</i>	Red Oak	C	C	3	M	H	S			
<i>Quercus velutina</i>	Black Oak	U	C	5		T	S			
<i>Salix nigra</i>	Black Willow	U	C	-5	L	M-H		Shallow to Deep	Excellent	

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Sassafras albidum</i>	Sassafras	U	C	3			S-P			
<i>Thuja occidentalis</i>	White Cedar	C	C	-3	M-H	M	S			
<i>Tilia americana</i>	American Basswood	C	C	3	M	L-M				
<i>Tsuga canadensis</i>	Eastern Hemlock	C	C	3			P			
<i>Ulmus americana</i>	White Elm	C	C	-2		M	S-P			
<i>Ulmus rubra</i>	Red Elm	C	C	0			S-P			
<i>Ulmus thomasii</i>	Rock Elm	U	C	-1			S-P			
<b>Shrubs</b>										
<i>Acer spicatum</i>	Mountain Maple	C	C	3			S			
<i>Alnus incana spp. rugosa</i>	Speckled Alder	U	C				S			
<i>Amelanchier arborea</i>	Juneberry	C	C	3	M	L-M	S-P			
<i>Amelanchier canadensis</i>	Serviceberry						S-P			
<i>Amelanchier laevis</i>	Smooth Juneberry	U	C	5	M	M	S-P			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Amelanchier laevis</i> x <i>A. sanguinea</i>	Hybrid Juneberry	U	-	-						
<i>Amelanchier sanguinea</i>	Dwarf Juneberry	U	U	5	M-H	M	S-P			
<i>Amelanchier spicata</i>	Juneberry	U	R	3	M-H	M	S-P			
<i>Aronia melanocarpa</i>	Chokeberry	R	C	3	L-M	M-H				
<i>Carpinus caroliniana</i>	Blue-beech	C	R	0	M	L	D			
<i>Ceanothus americanus</i>	New Jersey Tea	C	U	5	T		S-P			
<i>Cephalanthus occidentalis</i>	Buttonbush	U	C	-5	M	M	S			
<i>Cornus alternifolia</i>	Alternate-leaved Dogwood	C	C	5	M	L-M	P			
<i>Cornus amomum</i> ssp. <i>obliqua</i>	Silky Dogwood	C	C	-4	M	L	S-D	Shallow Fibrous	Very Good	
<i>Cornus foemina</i> ssp. <i>racemosa</i>	Grey Dogwood	C	C	-2	M	M-H	S-D	Shallow	Good	
<i>Cornus rugosa</i>	Round-leaved Dogwood	C	C	5			P-D	Shallow Fibrous	Fair-Good	
<i>Cornus sericea</i>	Red-osier Dogwood	C	C	-3	M	L	S-P			
<i>Corylus cornuta</i>	Beaked Hazel	C	C	5	M	L	S-P			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Crataegus calpodendron</i>	Pear Hawthorn	U	U	5						
<i>Crataegus chrysocarpa</i>	Fireberry Hawthorn	U	U	5						
<i>Crataegus dodgei</i>	Dodge's Hawthorn	R	U	5						
<i>Crataegus macracantha</i>	Large-thorn Hawthorn	U	U	5						
<i>Crataegus macrosperma</i>	Variable Hawthorn	U	C	5						
<i>Crataegus monogyna</i> x <i>C. punctata</i>	Hawthorn Hybrid	C	-	-						
<i>Crataegus pedicellata</i>	Pedicelled Hawthorn	C	R	5						
<i>Crataegus pringlei</i>	Pringle's Hawthorn	C	U	5						
<i>Crataegus pruinosa</i>	Frosted Hawthorn	C	U	5						
<i>Crataegus punctata</i>	Dotted Hawthorn	C	C	5						
<i>Crataegus schuettei</i>	Schuette's Hawthorn	U	R	5						
<i>Crataegus succulenta</i>	Fleshy Hawthorn	U	C	5						
<i>Diervilla lonicera</i>	Bush-honeysuckle	C	C	5	M	L-M	S-D			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Dirca palustris</i>	Leatherwood	C	U	0			D			
<i>Gaylussacia baccata</i>	Black Huckleberry	U	U	3						
<i>Hamamelis virginiana</i>	Witch-hazel	C	C	3	M	H	S-P			
<i>Ilex verticillata</i>	Winterberry	C	C	-4		H	S-P			
<i>Lindera benzoin</i>	Spicebush	C	C	-2	M	M	S-P			
<i>Lonicera canadensis</i>	Fly-honeysuckle	C	C	3			S-P			
<i>Lonicera hirsuta</i>	Hairy Honeysuckle	R	U	0	M	M				
<i>Lonicera oblongifolia</i>	Swamp Fly-Honeysuckle	R	U	-5						
<i>Nemopanthus mucronatus</i>	Mountain Holly	U	R	-5			S-P			
<i>Physocarpus opulifolius</i>	Ninebark	R	C	-2	M-H	H				
<i>Prunus americana</i>	Wild Plum	R	C	5			S			
<i>Prunus pensylvanica</i>	Pin Cherry	U	C	4	M-H	M	S-P			
<i>Prunus virginiana</i> ssp. <i>virginiana</i>	Chokecherry	C	C	1	M	H	S-P			
<i>Rhamnus alnifolia</i>	Alder-leaved Buckthorn	C	C	-5			S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Rhus typhina</i>	Staghorn Sumac	C	C	5	H	H	S			
<i>Ribes americanum</i>	Wild Black Currant	C	C	-3	L	L	S-P			
<i>Ribes cynosbati</i>	Prickly Gooseberry	C	C	5	M	L	S-P			
<i>Ribes hirtellum</i>	Canada Gooseberry	R	U	-3						
<i>Ribes triste</i>	Swamp Red Currant	C	C	-5	L	L-M	S-P			
<i>Rosa blanda</i>	Smooth Wild Rose	C	C	3	M	L-M	S			
<i>Rosa carolina</i>	Pasture Rose	C	C	4	T	H	S-P			
<i>Rosa palustris</i>	Swamp Rose	U	C	-5			S			
<i>Rubus allegheniensis</i>	Common Blackberry	C	C	2	M	L	S-P	Fibrous	Good	
<i>Rubus flagellaris</i>	Northern Dewberry	U	U	4						
<i>Rubus hispidus</i>	Swamp Dewberry	R	U	-3						
<i>Rubus idaeus ssp. melanolasius</i>	Wild Red Raspberry	C	C	-2	M	M	S-P			
<i>Rubus occidentalis</i>	Black Raspberry	C	C	5			S-P			
<i>Rubus odoratus</i>	Purple-flowering Raspberry	C	C	5	M	M	S-P			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Rubus pubescens</i>	Dwarf Raspberry	C	C	-4	L	L				
<i>Salix amygdaloides</i>	Peach-leaved Willow	C	C	-3	L-M	H	S	Shallow to Deep	Very Good	
<i>Salix bebbiana</i>	Bebb's Willow	C	C	-4	L-M	H	S			
<i>Salix discolor</i>	Pussy Willow	C	C	-3	L-M	H	S	Shallow Fibrous Spreading	Very Good	
<i>Salix eriocephala</i>	Heart-leaved Willow	C	C	-3	L-M	H	S	Fibrous	Very Good	
<i>Salix exigua</i>	Sandbar Willow	C	C	-5	M-H	H	S	Shallow Suckering	Good	
<i>Salix lucida</i>	Shining Willow	U	C	-4	L-M	H	S	Fibrous Spreading	Very Good	
<i>Salix pellita</i>				-3			S-P			
<i>Salix petiolaris</i>	Slender Willow	C	C	-4	L-M	H	S			
<i>Salix serissima</i>	Autumn Willow	U	R	-5						
<i>Sambucus canadensis</i>	Common Elder	C	C	-2	L-M	L-M	S-P	Fibrous	Good	
<i>Sambucus racemosa ssp. pubens</i>	Red-berried Elder	C	C	2	M-H	M	P-D			
<i>Shepherdia canadensis</i>	Soapberry	U	R	5	H	H	S			



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Sorbus americana</i>	American mountain-ash		R	0	T					
<i>Spiraea alba</i>	Meadowsweet	C	C	-4	M	L	S			
<i>Staphylea trifolia</i>	Bladdernut	U	C	0			P-D			
<i>Symphoricarpos albus var. albus</i>	Snowberry	C	C	4	T	H		Shallow Fibrous Suckering	Good	
<i>Taxus canadensis</i>	American Yew	C	C	3		L	S-P			
<i>Vaccinium angustifolium</i>	Lowbush Blueberry	U	C	3		T	S-P			
<i>Vaccinium corymbosum</i>	Highbush Blueberry	R	C	-3		T				
<i>Vaccinium myrtilloides</i>	Velvet-leaved Blueberry	U	R	-2		H	S-P			
<i>Vaccinium pallidum</i>	Early Sweet Blueberry	U	C	5		H				
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	C	C	5	M	L	D			
<i>Viburnum lentago</i>	Nannyberry	C	C	-1	M	L-M	S-D	Shallow	Fair-Good	
<i>Viburnum rafinesquianum</i>	Downy Arrow-wood	C	C	5	H	M	S-D			
<i>Viburnum recognitum</i>	Southern Arrow-wood	R	C	-2	M	M				

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Viburnum trilobum</i>	Highbush-cranberry	C	C	-3		M				
<i>Zanthoxylum americanum</i>	Prickly-ash	C	C	5			S-P			
<b>Woody Groundcover</b>										
<i>Cornus canadensis</i>	Bunchberry	U	U	0			S-P			
<i>Euonymus obovata</i>	Running Strawberry-bush	C	C	5	L-M	L	D			
<i>Gaultheria hispidula</i>	Creeping Snowberry	U	R	-3						
<i>Gaultheria procumbens</i>	Wintergreen	U	C	3						
<i>Mitchella repens</i>	Partridge-berry	C	C	2			D			
<b>Vines</b>										
<i>Adlumia fungosa</i>	Climbing Fumitory	U	R	5						
<i>Celastrus scandens</i>	Climbing Bittersweet	C	C	3			S-P			
<i>Clematis occidentalis</i> var. <i>occidentalis</i>	Purple Clematis	R	U	5						
<i>Clematis virginiana</i>	Virgin's-bower	C	C	0	M					

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Echinocystis lobata</i>	Wild Cucumber	C	C	-2						
<i>Lonicera dioica</i>	Wild Honeysuckle	C	C	3	M	H	S-P			
<i>Menispermum canadense</i>	Moonseed	C	C	0			S-D			
<i>Parthenocissus inserta</i>	Virginia Creeper	C	C	3		H	S-D			
<i>Parthenocissus quinquefolia</i>	Upland Virginia Creeper	H?	C	1	M	H				
<i>Parthenocissus vitacea</i>	Virginia Creeper	C	C	3	T					
<i>Smilax herbacea</i>	Carrion-flower	C	C	0						
<i>Smilax hispida</i>	Bristly Greenbrier	C	C	0	L-M	L	S-D			
<i>Vitis aestivalis</i>	Summer Grape	U	C	3			S-D			
<i>Vitis riparia</i>	Riverbank Grape	C	C	-2	M	H	S-D			
<b>Clubmosses, Ferns and Horsetails</b>										
<i>Adiantum pedatum</i>	Northern Maidenhair Fern	C	C	1			D			
<i>Asplenium platyneuron</i>	Ebony Spleenwort	U	U	3						
<i>Asplenium rhizophyllum</i>	Walking Fern	C	U	5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Asplenium trichomanes</i> ssp. <i>quadrivalens</i>	Maidenhair Spleenwort	C	R	5						
<i>Athyrium filix-femina</i> var. <i>angustum</i>	Northeastern Lady Fern	C	C	0						
<i>Botrychium dissectum</i>	Dissected Grape Fern	U	U	0						
<i>Botrychium virginianum</i>	Rattlesnake Fern	C	C	3			D			
<i>Cystopteris bulbifera</i>	Bulblet Fern	C	C	-2			D			
<i>Cystopteris tenuis</i>	Mackay's Fragile Fern	C	C	5			D			
<i>Deparia acrostichoides</i>	Silvery Spleenwort	U	U	0						
<i>Diphasiastrum digitatum</i>	Crowfoot Clubmoss	U	C	-						
<i>Diplazium pycnocarpon</i>	Narrow-leaved spleenwort	U	-	-						
<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	C	C	-2			D			
<i>Dryopteris clintoniana</i>	Clinton's Wood Fern	C	C	-4						
<i>Dryopteris cristata</i>	Crested Wood Fern	C	C	-5						
<i>Dryopteris goldiana</i>	Goldie's Wood Fern	U	R	0						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Dryopteris intermedia</i>	Glandular Wood Fern	C	C	0			D			
<i>Dryopteris intermedia</i> x <i>D. marginalis</i>	Wood Fern Hybrid	C	C	-						
<i>Dryopteris marginalis</i>	Marginal Wood Fern	C	C	3			D			
<i>Dryopteris x triploidea</i>	Triploid Wood Fern	C	C	-1						
<i>Equisetum arvense</i>	Field Horsetail	C	C	0						
<i>Equisetum hyemale</i> ssp. <i>affine</i>	Scouring-rush	C	C	-2						
<i>Equisetum pratense</i>	Meadow Horsetail	U	U	-3						
<i>Equisetum scirpoides</i>	Dwarf Scouring-rush	U	U	-1						
<i>Equisetum sylvaticum</i>	Woodland Horsetail	U	C	-3						
<i>Equisetum variegatum</i> ssp. <i>variegatum</i>	Variegated Scouring-rush	U	C	-3						
<i>Gymnocarpium dryopteris</i>	Oak Fern	C	C	0			D			
<i>Huperzia lucidula</i>	Shining Clubmoss	U	C	-						
<i>Lycopodium annotinum</i>	Stiff Clubmoss	U	<b>R</b>	0						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Lycopodium dendroideum</i>	Round-branched Ground-pine	U	R	0						
<i>Matteuccia struthiopteris</i>	Ostrich Fern	C	C	-3	M	L-M				
<i>Onoclea sensibilis</i>	Sensitive Fern	C	C	-3	L-M	L-M	D			
<i>Osmunda cinnamomea</i>	Cinnamon Fern	C	C	-3	L-M	L				
<i>Osmunda claytoniana</i>	Interrupted Fern	U	C	-1						
<i>Osmunda regalis var. spectabilis</i>	American Royal Fern	U	C	-5						
<i>Polypodium virginianum</i>	Rock Polypody	C	U	5						
<i>Polystichum acrostichoides</i>	Christmas Fern	C	C	5	T		D			
<i>Pteridium aquilinum var. latiusculum</i>	Eastern Bracken Fern	C	C	3			D			
<i>Thelypteris noveboracensis</i>	New York Fern	U	C	-1						
<i>Thelypteris palustris</i>	Marsh Fern	C	C	-4	L	L-M				
<b>Grasses</b>										
<i>Agrostis perennans</i>	Autumn Bent Grass	U	C	1						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Agrostis scabra</i>	Ticklegrass	R	C	0						
<i>Agrostis stolonifera</i>	Creeping Bent Grass	C	C	-3						
<i>Alopecurus aequalis</i>	Short-awned Foxtail	U	R	-5						
<i>Ammophila breviligulata</i>	Beach Grass	C	R	5		T				
<i>Andropogon gerardii</i>	Big Bluestem	U	U	1	H	M	S-P			
<i>Avena sativa</i>	Oats	I	-	5	H	H				
<i>Brachyelytrum erectum</i>	Bearded Shorthusk	U	U	5						
<i>Bromus ciliatus</i>	Fringed Brome Grass	U	U	-3						
<i>Bromus pubescens</i>	Canada Brome	C	U	3						
<i>Calamagrostis canadensis</i>	Canada Blue-joint	C	C	-5	L-M	M	S-P			
<i>Cinna arundinacea</i>	Stout Wood Reed	C	C	-3						
<i>Cinna latifolia</i>	Nodding Wood Grass	U	R	-4						
<i>Danthonia spicata</i>	Poverty Oat Grass	C	C	5	H/M	H				
<i>Echinochloa microstachya</i>	Barnyard Grass	U	U	-2						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Echinochloa wiegandii</i>	Western Barnyard Grass	U	-	-						
<i>Elymus canadensis</i>	Canada Wild-rye	U	R	1	M-H	H				
<i>Elymus hystrix</i>	Bottle-brush Grass	C	C	5						
<i>Elymus riparius</i>	River Bank Wild-rye	R	U	-3	M	M				
<i>Elymus virginicus ssp. virginicus</i>	Virginia Wild-rye	C	C	-2	M	M				
<i>Eragrostis pectinacea</i>	Tufted Love Grass	H?	U	0						
<i>Festuca rubra ssp. rubra</i>	Red Fescue	I	I	1	H	M-H				
<i>Festuca subverticillata</i>	Nodding Fescue	C	U	-	H	M-H				
<i>Glyceria borealis</i>	Northern Manna Grass	U	U	-5						
<i>Glyceria grandis</i>	Tall Manna Grass	C	C	-5						Wet Pond
<i>Glyceria septentrionalis</i>	Eastern Manna Grass	U	C	-5						
<i>Glyceria striata</i>	Fowl Manna Grass	C	C	-5						
<i>Hordeum hystrix</i>	Barley	I	-	5						
<i>Hordeum jubatum ssp. jubatum</i>	Foxtail Barley	I	I	-1						



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Leersia oryzoides</i>	Rice Cut Grass	C	C	-5						
<i>Leersia virginica</i>	White Grass	C	C	-3						
<i>Muhlenbergia frondosa</i>	Wire-stemmed Muhly Grass	R	U	-3						
<i>Muhlenbergia mexicana</i> var. <i>mexicana</i>	Muhly Grass	C	C	-3	M	M	S-P			
<i>Oryzopsis asperifolia</i>	Rough-leaved Mountain-rice	C	C	5						
<i>Oryzopsis racemosa</i>	Nodding Mountain-rice	C	U	5						
<i>Panicum acuminatum</i> var. <i>acuminatum</i>	Panic Grass	C	C	-						
<i>Panicum capillare</i>	Witch Grass	C	C	0						
<i>Panicum latifolium</i>	Broadleaf Panic Grass	U	R	3						
<i>Panicum linearifolium</i>	Narrow-leaved Panic Grass	R	U	5						
<i>Panicum miliaceum</i>	Common Millet	I	I	5						
<i>Poa alsodes</i>	Woodland Poa	U	U	-2						
<i>Poa palustris</i>	Fowl Meadow Grass	C	C	-4						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Schizachne purpurascens</i> ssp. <i>purpurascens</i>	False Melic Grass	C	C	2						
<i>Schizachyrium scoparium</i>	Little Bluestem	U	R	3	H	M-H	S			
<i>Secale cereale</i>	Rye	I	I	5						
<i>Sphenopholis intermedia</i>	Slender Wedge Grass	C	C	0						
<i>Sporobolus cryptandrus</i>	Sand Dropseed	U	R	4			S-P			
<i>Sporobolus neglectus</i>	Overlooked Dropseed	C	C	5	H	H				
<i>Sporobolus vaginiflorus</i>	Ensheathed Dropseed	C	C	5						
<b>Rushes</b>										
<i>Juncus bufonius</i>	Toad Rush	C	C	-4						
<i>Juncus dudleyi</i>	Dudley's Rush	C	C	0			S			Dry Pond/ Wet Pond
<i>Juncus effusus</i> ssp. <i>solutus</i>	Common Rush	C	C	-5	L	H	S			Wet Pond
<i>Juncus nodosus</i>	Jointed Rush	U	R	-5			S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Juncus pylaei</i>	Soft Rush	H?	C	-5						
<i>Luzula acuminata</i>	Pointed Wood Rush	U	-	1						
<i>Luzula multiflora</i> <i>spp. multiflora</i>	Common Wood Rush	U	C	3						
<b>Sedges</b>										
<i>Carex albursina</i>	White-bear Sedge	C	C	5						
<i>Carex alopecoidea</i>	Foxtail Sedge	C	U	-4						
<i>Carex aquatilis</i>	Aquatic Sedge	R	U	-5						
<i>Carex arctata</i>	Compressed Sedge	C	C	5			D			
<i>Carex aurea</i>	Golden Sedge	C	C	-4			S			
<i>Carex blanda</i>	Smooth Sedge	C	C	0	T					
<i>Carex bromoides</i>	Brome-like Sedge	U	C	-4						
<i>Carex canescens</i> <i>spp. Canescens</i>	Hoary Sedge	U	U	-5						
<i>Carex cephalophora</i>	Oval-headed Sedge	C	C	3						
<i>Carex communis</i>	Common Sedge	C	C	5			S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Carex cristatella</i>	Crested Sedge	C	C	-4						
<i>Carex deweyana</i>	Dewey's Sedge	C	C	4						
<i>Carex diandra</i>	Two-stamened Sedge	U	R	-5						
<i>Carex digitalis</i>	Finger Sedge	U	C	5						
<i>Carex disperma</i>	Two-seeded Sedge	C	U	-5			D			
<i>Carex eburnea</i>	Ivory Sedge	C	C	4						
<i>Carex flava</i>	Yellow Sedge	C	C	-5						
<i>Carex gracillima</i>	Filiform Sedge	C	C	3						
<i>Carex granularis</i>	Granular Sedge	C	C	-4						
<i>Carex grayi</i>	Gray's Sedge	U	U	-4	L	M				
<i>Carex grisea</i>	Inflated Narrow-leaf Sedge	U	U	1						
<i>Carex hirtifolia</i>	Hairy Sedge	U	C	5						
<i>Carex hitchcockiana</i>	Hitchcock's Sedge	C	C	5						
<i>Carex interior</i>	Inland Sedge	C	U	-5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Carex laevivaginata</i>	Smooth-sheathed Sedge	U	U	-5						
<i>Carex laxiculmis</i>	Loose-stemmed Sedge	U	C	5						
<i>Carex laxiflora</i>	Distant-flowered Sedge	C	C	0						
<i>Carex leptalea</i> <i>ssp. leptalea</i>	Bristle-stalked Sedge	C	C	-5			D			
<i>Carex leptoneuria</i>	Finely-nerved Sedge	C	C	0						
<i>Carex magellanica</i> <i>ssp. irrigua</i>	Boreal Bog Sedge	U	R	-5						
<i>Carex molesta</i>	Troublesome Sedge	U	C	2						
<i>Carex normalis</i>	Right-angled Sedge	R	C	-3						
<i>Carex peckii</i>	Peck's Sedge	C	R	5						
<i>Carex pedunculata</i>	Peduncled Sedge	C	C	5			D			
<i>Carex pellita</i>	Woolly Sedge	U	C	-						
<i>Carex pennsylvanica</i>	Pennsylvania Sedge	C	C	5	M-H	M				
<i>Carex plantaginea</i>	Plantain-leaved Sedge	C	C	5			D			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Carex platyphylla</i>	Broad-leaved Sedge	C	C	5						
<i>Carex prasina</i>	Drooping Sedge	U	U	-5						
<i>Carex projecta</i>	Spreading Sedge	U	R	-4						
<i>Carex radiata</i>	Eastern Sedge	C	C	5						
<i>Carex retrorsa</i>	Retorse Sedge	C	C	-5						
<i>Carex rosea</i>	Rosy Sedge	C	C	5						
<i>Carex scabrata</i>	Rough Sedge	C	U	-5						
<i>Carex scoparia</i>	Pointed Broom Sedge	R	C	-3						
<i>Carex sparganioides</i>	Bur-reed Sedge	C	C	0						
<i>Carex sprengei</i>	Sprengel's Sedge	U	R	0						
<i>Carex tenera</i>	Slender Sedge	C	C	-1						
<i>Carex tribuloides</i>	Blunt-broom Sedge	U	C	-4						
<i>Carex tuckermanii</i>	Tuckermans's Sedge	U	C	-5						
<i>Carex woodii</i>	Wood's Sedge	U	C	0						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Cyperus strigosus</i>	Straw-colored Cyperus	R	U	-3						
<i>Dulichium arundinaceum</i>	Three-way Sedge	R	C	-5						
<i>Eleocharis acicularis</i>	Needle Spike-rush	R	U	-5						
<i>Eleocharis intermedia</i>	Intermediate Spike-rush	U	R	-3						
<i>Scirpus hattorianus</i>	Bulrush	C	-	-3						
<b>Emergent Vegetation</b>										
<i>Alisma plantago-aquatica</i>	Water-plantain	C	C	-5	L	M				Wet Pond
<i>Asclepias incarnata ssp. incarnata</i>	Swamp Milkweed	C	C	-5	M	M	S			
<i>Calla palustris</i>	Wild Calla	C	C	-5			D			
<i>Caltha palustris</i>	Marsh-marigold	C	C	-5	L	L	D			
<i>Carex bebbii</i>	Bebb's Sedge	C	C	-5	L-M	M	S			Wet Pond
<i>Carex comosa</i>	Bristly Sedge	C	C	-5						
<i>Carex crinita</i>	Fringed Sedge	U	C	-4	L	L				

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Carex hystericina</i>	Porcupine Sedge	C	C	-5	L	M				Wet Pond
<i>Carex intumescens</i>	Bladder Sedge	C	C	-4	L	L				
<i>Carex lacustris</i>	Lake Sedge	C	C	-5	L	M				
<i>Carex lupulina</i>	Hop Sedge	C	C	-5	L	L				
<i>Carex pseudo-cyperus</i>	Cyperus-like Sedge	C	C	-5						
<i>Carex stipata</i>	Awl-fruited Sedge	C	C	-5	L	M				Wet Pond
<i>Carex stricta</i>	Tussock Sedge	C	C	-5			S			
<i>Carex utriculata</i>	Beaked Sedge	U	C	-5						
<i>Carex vulpinoidea</i>	Fox Sedge	C	C	-5	L-M	M	S-P			Wet Pond
<i>Chelone glabra</i>	Turtlehead	C	C	-5	L	L				Wet Pond/ Dry Pond
<i>Cicuta bulbifera</i>	Bulbous Water-hemlock	C	C	-5						
<i>Cicuta maculata</i>	Spotted Water-hemlock	C	C	-5						
<i>Cyperus esculentus</i>	Yellow Nut Sedge	C	C	-3						Wet Pond



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Eleocharis erythropoda</i>	Red-based Spike-rush	C	C	-5						
<i>Eleocharis obtusa</i>	Blunt Spike-rush	U	C	-5						
<i>Eleocharis smallii</i>	Small's Spike-rush	U	C	-5						
<i>Equisetum fluviatile</i>	Water Horsetail	U	C	-5						
<i>Iris versicolor</i>	Wild Blue Flag	C	C	-5	L	M	S			
<i>Juncus articulatus</i>	Jointed Rush	U	C	-5			S			
<i>Juncus tenuis</i>	Path Rush	C	C	0	M	H				
<i>Juncus torreyi</i>	Torrey's Rush	U	C	-3						Wet Pond
<i>Ludwigia palustris</i>	Water-purslane	U	C	-5						
<i>Pontederia cordata</i>	Pickerelweed	-	C	-5		T				
<i>Sagittaria latifolia</i>	Common Arrowhead	C	C	-5		T				Wet Pond
<i>Scirpus atrovirens</i>	Black Bulrush	C	C	-5	L	M-H	S			Wet Pond
<i>Scirpus cyperinus</i>	Wool-grass	C	C	-5	M	M	S-P			Wet Pond
<i>Scirpus pendulus</i>	Nodding Bulrush	U	C	-5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Scirpus validus</i>	Softstem Bulrush	C	C	-5	L	M-H				Wet Pond
<i>Sium suave</i>	Water-parsnip	C	C	-5			S			
<i>Sparganium emersum ssp. emersum</i>	Green-fruited Bur-reed	U	C	-5						
<i>Sparganium eurycarpum</i>	Giant Bur-reed	U	C	-5	L	M	S			Wet Pond
<i>Typha latifolia</i>	Common Cattail	C	C	-5	L	M-H				Wet Pond
<b>Submergent Vegetation</b>										
<i>Ceratophyllum demersum</i>	Common Coontail	U	U	-5						
<i>Elodea canadensis</i>	Waterweed	R	C	-5			S			Wet Pond
<i>Potamogeton amplifolius</i>	Large-leaved Pondweed	R	U	-5						
<i>Potamogeton pectinatus</i>	Sago Pondweed	U	C	-5						Wet Pond
<i>Potamogeton pusillus</i>	Small Pondweed	R	C	-5						
<i>Ranunculus aquatilis var. diffusus</i>	White Water Crowfoot	U	R	-						
<i>Utricularia vulgaris</i>	Common Bladderwort	U	U	-5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<b>Floating Aquatics</b>										
<i>Lemna minor</i>	Common Duckweed	C	C	-5						
<i>Lemna trisulca</i>	Star Duckweed	U	C	-5						
<i>Nuphar variegatum</i>	Yellow Cowlily	U	C	-5						
<i>Nymphaea odorata</i>	Fragrant Water-lily	U	R	-5			S			Wet Pond
<i>Polygonum amphibium</i>	Water Smartweed	U	C	-5						
<i>Potamogeton natans</i>	Floating Pondweed	R	C	-5						
<i>Spirodela polyrrhiza</i>	Greater Duckweed	R	C	-5						
<b>Herbaceous</b>										
<i>Acalypha virginica var. rhomboidea</i>	Three-seeded Mercury	C	C	3						
<i>Actaea pachypoda</i>	White Baneberry	C	C	5			D			
<i>Actaea rubra</i>	Red Baneberry	C	C	5			S-D			
<i>Agrimonia gryposepala</i>	Yellow Agrimony	C	C	2						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Agrimonia pubescens</i>	Hairy Agrimony	R	U	5						
<i>Allium canadense</i> var. <i>canadense</i>	Canada Wild Onion	U	C	3						
<i>Allium tricoccum</i>	Wild Leek	C	C	2			D			
<i>Ambrosia artemisiifolia</i>	Common Ragweed	C	C	3			S			
<i>Ambrosia trifida</i>	Giant Ragweed	U	U	-1			S			
<i>Amphicarpaea bracteata</i>	Hog-peanut	C	C	0						
<i>Anaphalis margaritacea</i>	Pearly Everlasting	U	R	5	T		S			
<i>Anemone acutiloba</i>	Sharped-lobed Hepatica	C	C	5						
<i>Anemone americana</i>	Round-lobed Hepatica	U	C	5						
<i>Anemone canadensis</i>	Canada Anemone	C	C	-3	L-M	M	S-P			Dry Pond/ Wet Pond
<i>Anemone cylindrica</i>	Long-fruited Anemone	U	U	5			S-P			
<i>Anemone quinquefolia</i>	Wood-anemone	C	C	0						
<i>Anemone virginiana</i>	Thimbleweed	C	C	5			S-P			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Angelica atropurpurea</i>	Angelica	R	U	-5						
<i>Antennaria neglecta</i>	Smooth Pussytoes	C	C	5	H	M				
<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Plantain-leaved Everlasting	C	C	5	H	M				
<i>Apios americana</i>	Groundnut	U	U	-3						
<i>Apocynum androsaemifolium</i> ssp. <i>androsaemifolium</i>	Spreading Dogbane	C	C	5			S-P			
<i>Apocynum cannabinum</i>	Indian Hemp	U	C	0						
<i>Apocynum x floribundum</i>	Hybrid Dogbane	C	C	-						
<i>Aquilegia canadensis</i>	Wild Columbine	C	C	1	M	M	D			
<i>Arabis canadensis</i>	Sickle-pod	U	U	5						
<i>Arabis glabra</i>	Tower Mustard	U	U	5						
<i>Arabis laevigata</i>	Smooth Rock- -ress	R	U	5						
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	C	C	3						
<i>Aralia racemosa</i> ssp. <i>racemosa</i>	Spikenard	C	C	5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Arisaema triphyllum</i> ssp. <i>triphyllum</i>	Jack-in-the-pulpit	C	C	-2			D			
<i>Artemisia ludoviciana</i>	Prairie Sage	R	C	5						
<i>Asarum canadense</i>	Wild Ginger	C	C	5			P-D			
<i>Asclepias exaltata</i>	Poke Milkweed	U	C	5						
<i>Asclepias syriaca</i>	Common Milkweed	C	C	5	T	T	S			
<i>Asclepias tuberosa</i>	Butterfly-weed	U	U	5	M-H	M-H	S			
<i>Aster urophyllum</i>	Arrow-leaved Aster	U	C	5						
<i>Aster x amethystinus</i>	Amethyst Aster (hybrid)	C	C	-						
<i>Aster x schistosus</i>	Hybrid	C	-							
<i>Atriplex prostrata</i>	Halberd-leaved Atriplex	I	I	-						
<i>Bidens cernua</i>	Nodding Beggar-ticks	C	C	-5	L	M				Wet Pond
<i>Bidens frondosa</i>	Devil's Beggar-ticks	C	C	-3	L-M	M	S-P			Wet Pond
<i>Bidens tripartita</i>	Beggar-ticks	C	C	-3						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Bidens vulgata</i>	Tall Beggar-ticks	U	C	-3						
<i>Boehmeria cylindrica</i>	False Nettle	C	C	-5			D			
<i>Callitriche palustris</i>	Water-starwort	R	U	-5						
<i>Calystegia sepium ssp. americanum</i>	Hedge Bindweed	U	C	0						
<i>Campanula rotundifolia</i>	Harebell	R	U	1	T		S-P			
<i>Campanulastrum americanum</i>	Tall Bellflower	R	C	0						
<i>Cardamine bulbosa</i>	Spring Cress	U	C	-5						
<i>Cardamine concatenata</i>	Cutleaf Toothwort	C	C	-5						
<i>Cardamine diphylla</i>	Twin-leaved Toothwort	C	C	5						
<i>Cardamine douglassii</i>	Pink Spring Cress	U	C	-3						
<i>Cardamine pennsylvanica</i>	Pennsylvania Bitter Cress	U	C	-4						
<i>Caulophyllum giganteum</i>	Giant Blue Cohosh	H?	C	5			D			
<i>Caulophyllum thalictroides</i>	Blue Cohosh	H?	C	5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Chamaesyce nutans</i>	Spotted Spurge	C	U	-						
<i>Chamaesyce vermiculata</i>	Hairy-stemmed Spurge	C	R	-						
<i>Chenopodium capitatum</i>	Strawberry-blite	U	U	5						
<i>Chenopodium simplex</i>	Maple-leaved Goosefoot	U	U	-						
<i>Chrysosplenium americanum</i>	Golden Saxifrage	U	C	-5						
<i>Circaea alpina</i>	Small Enchanter's Nightshade	C	C	-3			D			
<i>Circaea lutetiana</i> ssp. <i>canadensis</i>	Enchanter's Nightshade	C	C	3						
<i>Claytonia caroliniana</i>	Broad-leaved Spring Beauty	U	C	3						
<i>Claytonia virginica</i>	Narrow-leaved Spring Beauty	U	C	3			D			
<i>Clinopodium vulgare</i>	Wild Basil	C	C	5			S			
<i>Clintonia borealis</i>	Bluebead-lily	C	C	-1			D			
<i>Collinsonia canadensis</i>	Horsebalm	U	C	0						
<i>Comandra umbellata</i>	Bastard-toadflax	U	C	3						
<i>Conopholis americana</i>	Squawroot	U	R	5						



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Conyza canadensis</i>	Horseweed	C	C	1						
<i>Coptis trifolia</i>	Goldthread	C	C	-3			D			
<i>Corallorhiza trifida</i>	Early Coral-root	U	R	-2						
<i>Coreopsis lanceolata</i>	Lance-leaved Coreopsis	C	I	3	H	H	S			
<i>Cryptotaenia canadensis</i>	Honewort	C	C	0						
<i>Cypripedium calceolus var. parviflorum</i>	Small Yellow Lady's-slipper	C	C	-1						
<i>Cypripedium calceolus var. pubescens</i>	Large Yellow Lady's-slipper	C	R	-1						
<i>Cypripedium reginae</i>	Showy Lady's-slipper	U	R	-4						
<i>Desmodium canadense</i>	Showy Tick-trefoil	U	C	1	L-M	H	S-P			
<i>Desmodium glutinosum</i>	Pointed-leaved Tick-trefoil	C	C	5						
<i>Desmodium nudiflorum</i>	Naked-flowered Tick-trefoil	U	R	5						
<i>Dicentra canadensis</i>	Squirrel-corn	U	C	5						
<i>Dicentra cucullaria</i>	Dutchman's-breeches	U	C	5						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Dioscorea quaternata</i>	Wild Yam	R	C	1						
<i>Disporum lanuginosum</i>	Yellow Mandarin	U	C	5						
<i>Drosera rotundifolia</i>	Round-leaved Sundew	U	R	-5						
<i>Epifagus virginiana</i>	Beech-drops	C	C	5						
<i>Epilobium angustifolium</i>	Fireweed	U	U	0			S-P			
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	Sticky Willow-herb	C	C	3						
<i>Epilobium ciliatum</i> ssp. <i>glandulosum</i>	Sticky Willow-herb	H?	U	3						
<i>Epilobium coloratum</i>	Purple-leaved Willow-herb	U	C	-5	M	M				
<i>Epilobium leptophyllum</i>	Narrow-leaved Willow-herb	U	C	-5						
<i>Epilobium strictum</i>	Downy Willow-herb	U	R	-5						
<i>Erechtites hieracifolia</i>	American Burnweed	U	U	3						
<i>Erigeron annuus</i>	Annual Fleabane	C	C	1			S			
<i>Erigeron philadelphicus</i>	Philadelphia Fleabane	C	C	3			S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>ssp. philadelphicus</i>										
<i>Erigeron pulchellus</i>	Robin's-plantain	U	C	3	H	M				
<i>Erigeron strigosus</i>	Rough Fleabane	C	C	1			S			
<i>Erythronium albidum</i>	White Trout-lily	U	R	5						
<i>Erythronium americanum ssp. americanum</i>	Yellow Trout-lily	C	C	5						
<i>Eupatorium maculatum ssp. maculatum</i>	Spotted Joe-Pye-weed	C	C	-5	M	M	S-D			Wet Pond
<i>Eupatorium perfoliatum</i>	Boneset	C	C	-4	M	L	S-P			
<i>Eupatorium rugosum</i>	White Snakeroot	C	C	3						
<i>Eurybia macrophylla</i>	Large-leaved Aster	C	C	5	T		P-D			
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	C	C	-2	M-H	M	S			Dry Pond
<i>Fagopyrum esculentum</i>	Buckwheat	I	I	5						
<i>Floerkea proserpinacoides</i>	False Mermaid	R	U	-1						
<i>Fragaria vesca ssp. americana</i>	Woodland Strawberry	C	C	4						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Fragaria virginiana</i> ssp. <i>virginiana</i>	Common Strawberry	C	C	1	M	M	S-P			
<i>Galearis spectabilis</i>	Showy Orchis	U	R	5						
<i>Galium aparine</i>	Cleavers	C	C	3						
<i>Galium asprellum</i>	Rough Bedstraw	C	C	-5						
<i>Galium boreale</i>	Northern Bedstraw	U	C	0						
<i>Galium circaezans</i>	Wild Licorice	C	C	4						
<i>Galium lanceolatum</i>	Lance-leaved Wild Licorice	U	U	5						
<i>Galium obtusum</i>	Obtuse Bedstraw	C	C	-5						
<i>Galium palustre</i>	Marsh Bedstraw	C	C	-5						
<i>Galium tinctorium</i>	Dyer's Bedstraw	U	C	-5						
<i>Galium trifidum</i> ssp. <i>trifidum</i>	Pasture Bedstraw	U	C	-4						
<i>Galium triflorum</i>	Sweet-scented Bedstraw	C	C	2						
<i>Gentiana andrewsii</i>	Closed Gentian	R	C	-3			S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Geranium maculatum</i>	Wild Geranium	C	C	3	M	L				
<i>Geum aleppicum</i>	Yellow Avens	C	C	-1						
<i>Geum canadense</i>	White Avens	C	C	0						
<i>Geum laciniatum</i>	Cutleaf Avens	C	C	-3						
<i>Geum rivale</i>	Water Avens	U	U	-5						
<i>Gratiola neglecta</i>	Hedge-hyssop	R	U	-5						
<i>Hackelia deflexa</i>	Stickseed	U	R	5						
<i>Hackelia virginiana</i>	Virginia Stickseed	U	C	1			S			
<i>Hedeoma pulegioides</i>	American Pennyroyal	U	C	5						
<i>Helianthus annuus ssp. annuus</i>	Common Sunflower	I	-	3						
<i>Helianthus divaricatus</i>	Woodland Sunflower	U	C	5	M	H				
<i>Helianthus strumosus</i>	Sunflower	R	U	5	M-H	M-H				
<i>Heracleum lanatum</i>	Cow-parsnip	U	C	-3						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Hydrocotyle americana</i>	Water-pennywort	U	C	-5						
<i>Hydrophyllum canadense</i>	Canada Waterleaf	U	C	-2						
<i>Hydrophyllum virginianum</i>	Virginia Waterleaf	C	C	-2	M	M				
<i>Hypericum punctatum</i>	Spotted St. John's-wort	U	C	-1						
<i>Impatiens capensis</i>	Spotted Touch-me-not	C	C	-3	L-M	L				
<i>Impatiens pallida</i>	Pale Touch-me-not	C	C	-3						
<i>Jeffersonia diphylla</i>	Twinleaf	U	U	5						
<i>Lactuca biennis</i>	Tall Blue Lettuce	R	U	0						
<i>Lactuca canadensis</i>	Canada Lettuce	U	C	2						
<i>Laportea canadensis</i>	Wood Nettle	C	C	-3						
<i>Lepidium virginicum</i>	Poor-man's Pepper-grass	R	U	4						
<i>Lespedeza capitata</i>	Round-headed Bush-clover	R	C	3	M-H	H	S			
<i>Lespedeza hirta</i>	Hairy Bush-clover	R	U	5	T					
<i>Lilium michiganense</i>	Michigan Lily	C	C	-1			S-P			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Lindernia dubia</i> <i>var. dubia</i>	False Pimpernel	R	C	-5						
<i>Linnaea borealis</i> <i>ssp. longiflora</i>	Twinflower	U	R	0						
<i>Liparis loeselii</i>	Loesel's Twayblade	U	C	-4						
<i>Lobelia cardinalis</i>	Cardinal Flower	U	C	-5			S-P			
<i>Lobelia inflata</i>	Indian-tobacco	C	C	4			S			
<i>Lobelia siphilitica</i>	Great Blue Lobelia	C	C	-4	L	L	S-P			
<i>Lobelia spicata</i>	Pale-spike Lobelia	R	U	0						
<i>Lycopus americanus</i>	American Water- horehound	C	C	-5						
<i>Lycopus uniflorus</i>	Water-horehound	C	C	-5						
<i>Lysimachia ciliata</i>	Fringed Loosestrife	C	C	-3	M	L-M				
<i>Lysimachia terrestris</i>	Swamp Candles	R	U	-5						
<i>Lysimachia thysiflora</i>	Tufted Loosestrife	C	C	-5						
<i>Maianthemum canadense</i>	Wild Lily-of-the- valley	C	C	0		T	D			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Maianthemum racemosum</i> ssp. <i>racemosum</i>	Tall False Solomon's-seal	C	C	3			D			
<i>Maianthemum stellatum</i>	Starry False Solomon's-seal	C	C	1			D			
<i>Maianthemum trifolium</i>	Three-leaved False Solomon's-seal	C	U	-5						
<i>Malaxis monophyllos</i> ssp. <i>brachypoda</i>	White Adder's-mouth	U	U	-3						
<i>Medeola virginiana</i>	Indian Cucumber-root	U	C	5						
<i>Melampyrum lineare</i>	Cow-wheat	U	R	1						
<i>Mentha arvensis</i> ssp. <i>borealis</i>	Common Mint	C	C	-3						
<i>Menyanthes trifoliata</i>	Bog Buckbean	U	R	-5						
<i>Milium effusum</i>	Wood Millet	U	R	4						
<i>Mimulus ringens</i>	Square-stemmed Monkeyflower	U	C	-5			S-P			
<i>Mitella diphylla</i>	Bishop's Cap	C	C	2						
<i>Mitella nuda</i>	Naked Mitrewort	C	U	-3						
<i>Monarda fistulosa</i>	Wild Bergamot	C	C	3	M-H	M-H	S-P			Dry Pond



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Moneses uniflora</i>	One-flowered Wintergreen	R	U	0						
<i>Monotropa hypopithys</i>	Pinesap	U	C	5						
<i>Monotropa uniflora</i>	Indian-pipe	C	C	3			D			
<i>Myosotis laxa</i>	Smaller Forget-me-not	C	C	-5						
<i>Oenothera biennis</i>	Hairy Yellow Evening-primrose	H?	C	3		T	S-P			
<i>Oenothera parviflora</i>	Small-flowered Evening-primrose	C	C	3	T		S			
<i>Oenothera perennis</i>	Meadow Sundrops	R	C	0						
<i>Osmorhiza claytonii</i>	Sweet-cicely	C	C	4						
<i>Osmorhiza longistylis</i>	Anise-root	U	U	4						
<i>Oxalis dillenii</i>	Common Yellow Wood-sorrel	C	C	3						
<i>Oxalis stricta</i>	Common Wood-sorrel	C	C	3						
<i>Pedicularis canadensis</i>	Wood-betony	U	C	2						
<i>Pellaea glabella</i> ssp. <i>glabella</i>	Smooth Cliff-Brake	C	R	5						
<i>Penstemon digitalis</i>	Beard-tongue	U	C	1	M-H	M-H	S-P			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Penstemon hirsutus</i>	Hairy Beard-tongue	C	C	5	H		S-P			
<i>Penthorum sedoides</i>	Ditch Stonecrop	U	-	-5			S			
<i>Penthorum sedoides</i>	Ditch Stonecrop	U	C	-5						
<i>Persicaria virginiana</i>	Jumpseed	U	C	0						
<i>Phlox divaricata</i>	Blue Phlox	U	C	3						
<i>Phryma leptostachya</i>	Lopseed	C	C	5						
<i>Physalis heterophylla</i>	Clammy Ground-cherry	U	C	5						
<i>Physostegia virginiana ssp. virginiana</i>	False Dragonhead	H?	R	-3			S-P			
<i>Phytolacca americana</i>	Pokeweed	R	U	1						
<i>Pilea fontana</i>	Lesser Clearweed	U	C	-3						
<i>Pilea pumila</i>	Canada Clearweed	C	C	-3			D			
<i>Plantago rugelii</i>	Rugel's Plantain	C	C	0						
<i>Platanthera hyperborea</i>	Tall Northern Green Orchid	U	R	-4						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Platanthera lacera</i>	Ragged Fringed Orchid	R	U	-3						
<i>Podophyllum peltatum</i>	May-apple	C	C	3	L		D			
<i>Polygala paucifolia</i>	Fringed Polygala	U	U	3						
<i>Polygala senega</i>	Seneca Snakeroot	C	U	3			S-P			
<i>Polygonatum pubescens</i>	Solomon's-seal	C	C	5			D			
<i>Polygonum hydropiperoides</i>	Mild Water-pepper	U	C	-5						
<i>Polygonum lapathifolium</i>	Nodding Smartweed	U	C	-4						
<i>Polygonum pennsylvanicum</i>	Bigseed Smartweed	U	C	-4						
<i>Polygonum punctatum</i>	Water Smartweed	U	C	-5						
<i>Polymnia canadensis</i>	Leaf-cup	U	U	5						
<i>Potentilla anserina</i> ssp. <i>anserina</i>	Silverweed	U	U	-4	H	M	S			
<i>Potentilla simplex</i>	Common Cinquefoil	U	C	4						
<i>Prenanthes alba</i>	White Lettuce	C	C	3						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Prenanthes altissima</i>	Tall White Lettuce	C	C	3						
<i>Prunella vulgaris ssp. lanceolata</i>	Heal-all	C	C	5						
<i>Pyrola asarifolia</i>	Pink Pyrola	C	R	-3			S			
<i>Pyrola elliptica</i>	Shinleaf	C	C	5			D			
<i>Ranunculus abortivus</i>	Small-flowered Buttercup	C	C	-2						
<i>Ranunculus flabellaris</i>	Yellow Water Buttercup	U	U	-5						
<i>Ranunculus hispidus var. caricetorum</i>	Swamp Buttercup	C	C	0						
<i>Ranunculus pensylvanicus</i>	Bristly Crowfoot	U	C	-5						
<i>Ranunculus recurvatus</i>	Hooked Buttercup	C	C	-3						
<i>Ranunculus sceleratus var. sceleratus</i>	Cursed Buttercup	C	C	-5						
<i>Rorippa palustris ssp. fernaldiana</i>	Smooth Marsh Yellow Cress	H?	C	-5						
<i>Rorippa palustris ssp. hispida</i>	Marsh Yellow Cress	H?	C	-5						
<i>Rudbeckia hirta</i>	Black-eyed Susan	C	C	3	M-H	H	S-P			Dry Pond/

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
										Wet Pond
<i>Rudbeckia laciniata</i>	Cut-leaved Coneflower	U	U	-4	M-H	M	S-P			
<i>Rumex orbiculatus</i>	Great Water Dock	U	-	-5						
<i>Rumex triangulivalvis</i>	Willow-leaved Dock	C	R	-3						
<i>Rumex verticillatus</i>	Water Dock	R	C	-5						
<i>Samolus valerandi ssp. parviflorus</i>	Water Pimpernel	R	C	-5						
<i>Sanguinaria canadensis</i>	Bloodroot	C	C	4			D			
<i>Sanicula canadensis var. canadensis</i>	Canadian Blacksnakeroot	R	C	2						
<i>Sanicula marilandica</i>	Common Blacksnakeroot	C	C	3						
<i>Sanicula odorata</i>	Clustered Blacksnakeroot	R	U	0						
<i>Sanicula trifoliata</i>	Largefruit Blacksnakeroot	R	C	5						
<i>Saxifraga virginensis</i>	Early Saxifrage	U	C	1						
<i>Scrophularia marilandica</i>	Carpenter's Square	U	C	4						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Scutellaria galericulata</i>	Common Skullcap	C	C	-5						
<i>Scutellaria lateriflora</i>	Mad-dog Skullcap	C	C	-5						
<i>Senecio aureus</i>	Golden Ragwort	U	U	-3						
<i>Sicyos angulatus</i>	Bur Cucumber	R	U	-2						
<i>Sisyrinchium montanum</i>	Little Blue-eyed Grass	C	C	-1	M	M	S-P			
<i>Solanum ptychanthum</i>	Eastern Black Nightshade	C	C	5						
<i>Solidago altissima</i> var. <i>altissima</i>	Tall Goldenrod	C	C	3	M	M	S			Dry Pond
<i>Solidago bicolor</i>	White Goldenrod	U	U	5			S-P			
<i>Solidago caesia</i>	Blue-stem Goldenrod	C	C	3						
<i>Solidago caesia</i> x <i>Solidago canadensis</i>	Hybrid Goldenrod	C	-	-						
<i>Solidago canadensis</i>	Canada Goldenrod	C	C	3	M	M	S			Dry Pond
<i>Solidago flexicaulis</i>	Zig-zag Goldenrod	C	C	3	M	M-H				
<i>Solidago gigantea</i>	Late Goldenrod	U	C	-3			S			

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Solidago hispida</i> <i>var. hispida</i>	Hairy Goldenrod	R	U	5						
<i>Solidago juncea</i>	Early Goldenrod	U	C	5			S			
<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	Gray Goldenrod	C	C	5	M	H	S-P			
<i>Solidago patula</i>	Rough-leaved Goldenrod	U	C	-5	L	L				
<i>Solidago rugosa</i> ssp. <i>rugosa</i>	Rough Goldenrod	C	C	-1	L-M	M				
<i>Solidago squarrosa</i>	Stout Goldenrod	U	R	5						
<i>Spiranthes cernua</i>	Nodding Ladies'-tresses	R	U	-2						
<i>Stellaria longifolia</i>	Long-leaved Chickweed	U	C	-4						
<i>Streptopus roseus</i>	Rose-twisted Stalk	C	C	0						
<i>Symphyotrichum cordifolium</i>	Heart-leaved Aster	C	C	5	M-H	M-H	P-D			
<i>Symphyotrichum ericoides</i> var. <i>ericoides</i>	Heath Aster	C	C	4	M	M-H	S			
<i>Symphyotrichum laeve</i> var. <i>laeve</i>	Smooth Aster	U	C	5	T					
<i>Symphyotrichum lanceolatum</i> ssp. <i>lanceolatum</i>	Tall White Aster	C	C	-3	M	M-H	S-P			Dry Pond/

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
										Wet Pond
<i>Symphotrichum lateriflorum</i>	One-sided Aster	C	C	-2						
<i>Symphotrichum novae-angliae</i>	New England Aster	C	C	-3	M	M-H	S-P			Dry Pond/ Wet Pond
<i>Symphotrichum oolentangiense</i>	Sky Blue Aster	R	C	5	M-H	M	S-P			
<i>Symphotrichum pilosum</i> var. <i>pilosum</i>	Downy White Aster	U	C	2			S			
<i>Symphotrichum puniceum</i> var. <i>puniceum</i>	Purple-stemmed Aster	C	C	-5	L-M	M-H	S			
<i>Symplocarpus foetidus</i>	Skunk Cabbage	U	C	-5						
<i>Taenidia integerrima</i>	Yellow Pimpernel	U	U	5						
<i>Teucrium canadense</i> ssp. <i>canadense</i>	Wild Germander	R	U	-2						
<i>Thalictrum dioicum</i>	Early Meadow-rue	C	C	2						
<i>Thalictrum pubescens</i>	Tall Meadow-rue	C	C	-2	M	M	S-P			
<i>Tiarella cordifolia</i>	Foamflower	C	C	1						



Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Triadenum fraseri</i>	Marsh St. John's Wort	R	U	-5						
<i>Trientalis borealis ssp. borealis</i>	Starflower	C	C	-1						
<i>Trillium erectum</i>	Purple Trillium	C	C	1			D			
<i>Trillium grandiflorum</i>	White Trillium	C	C	5			D			
<i>Urtica dioica ssp. gracilis</i>	American Stinging Nettle	C	C	-1						
<i>Uvularia grandiflora</i>	Large-flowered Bellwort	C	C	5			P-D			
<i>Verbena hastata</i>	Blue Vervain	C	C	-4	L-M	M-H	S-P			Wet Pond
<i>Verbena urticifolia</i>	White Vervain	C	C	-1	H	M				
<i>Veronica americana</i>	American Brooklime	U	C	-5						
<i>Veronica peregrina ssp. peregrina</i>	Purslane Speedwell	H?	U	-4						
<i>Veronica scutellata</i>	Marsh Speedwell	R	C	-5						
<i>Viola affinis</i>	Le Conte's Marsh Violet	U	C	-3						
<i>Viola blanda</i>	Sweet White Violet	C	U	-2						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Viola canadensis</i>	Canada Violet	C	C	5						
<i>Viola conspersa</i>	Dog Violet	C	C	-2						
<i>Viola cucullata</i>	Marsh Violet	U	C	-5						
<i>Viola macloskeyi</i> <i>ssp. pallens</i>	Smooth White Violet	U	U	-						
<i>Viola pubescens</i>	Downy Yellow Violet	C	C	4						
<i>Viola renifolia</i>	Kidney-leaved Violet	U	<b>R</b>	-3						
<i>Viola rostrata</i>	Long-spurred Violet	C	C	3			D			
<i>Viola selkirkii</i>	Great-spurred Violet	U	U	5						
<i>Viola septentrionalis</i>	Northern Woodland Violet	U	<b>R</b>	3						
<i>Viola sororia</i>	Common Blue Violet	C	C	1						
<i>Waldsteinia fragarioides</i>	Barren Strawberry	C	C	5	M	M-H	S-P			
<i>Wolffia borealis</i>	Northern Water-meal	U	<b>R</b>	-5						
<i>Wolffia columbiana</i>	Columbian Water-meal	U	<b>R</b>	-5						
<i>Xanthium strumarium</i>	Cocklebur	C	C	0						

Status					Environmental Tolerance			Bioengineering		SWM Pond
Scientific Name	Common Name	Halton 2006	Hamilton 2014	CoW	Drought	Salt	Shade	Root Type	Rooting Ability	
<i>Zizia aurea</i>	Golden Alexanders	R	U	-1	M	M	S-P			