

Halton Region Butterfly and Host Plant List

The Halton Regional Rank in this list is based on the data from the Halton Natural Areas inventory which is available from Conservation Halton, contact Brenda Axon for a copy or see the website : <http://www.conservationhalton.on.ca/> . The Ontario Residency Status for the butterflies listed is based on the Ontario Butterfly Checklist compiled by Colin Jones, contact the Hamilton Naturalists' Club for a copy : <http://www.hamiltonnature.org/> . The list of larval host plants is mostly derived from the Butterflies of Canada by Ross A. Layberry, Peter W. Hall, and J. Donald Lafontaine but other sources may have been referenced. Common names follow Butterflies of Canada and the scientific names follow Pelham (<http://butterfliesofamerica.com/US-Can-Cat-1-30-2011.htm>)

<u>Scientific Name</u>	<u>Common Name</u>	<u>Ontario Residency Status</u>	<u>Halton Region Rank</u>	<u>Larval Host Plants</u>
HESPERIIDAE – Skippers				
<i>Epargyreus clarus</i>	Silver-spotted Skipper	Resident	Common	Pea family; Black Locust* (<i>Robinia pseudo-acacia</i> *), Hog Peanut (<i>Amphicarpaea bracteata</i>), Groundnut (<i>Apios americana</i>), and Showy Tick-trefoil (<i>Desmodium canadense</i>)
<i>Thorybes pylades</i>	Northern Cloudywing	Resident	Common	herbaceous Fabaceae including Hog Peanut (<i>Amphicarpaea bracteata</i>)
<i>Erynnis icelus</i>	Dreamy Duskywing	Resident	Common	poplars (<i>Populus</i> spp), willows (<i>Salix</i> spp) and birchs (<i>Betula</i> spp)
<i>Erynnis juvenalis</i>	Juvenal's Duskywing	Resident	Common	oaks (<i>Quercus</i> spp)
<i>Erynnis martialis</i>	Mottled Duskywing	Resident	Rare	New Jersey Tea (<i>Ceanothus americanus</i>)
<i>Erynnis funeralis</i>	Funereal Duskywing	Non-breeding Immigrant	Rare	N/A - does not breed here
<i>Erynnis lucilius</i>	Columbine Duskywing	Resident	Uncommon	Wild Columbine (<i>Aquilegia canadensis</i>)
<i>Erynnis baptisiae</i>	Wild Indigo Duskywing	Resident	Uncommon	Wild Indigo (<i>Baptisia tinctoria</i>), Crown Vetch* (<i>Coronilla varia</i> *), and possibly tick-trefoils (<i>Desmodium</i> spp)
<i>Pholisora catullus</i>	Common Sootywing	Resident	Rare	<i>Amaranthaceae</i> species including Tumbleweed* (<i>Amaranthus graecizans</i> *) and <i>Chenopodiaceae</i> species especially Lamb's Quarters* (<i>Chenopodium album</i> *)
<i>Carterocephalus palaemon</i>	Arctic Skipper	Resident	Common	Native grass species (specifics not known/researched)
<i>Ancyloxypha numitor</i>	Least Skipper	Resident	Common	Native wetland grass species including bluegrass (<i>Poa</i> spp), Rice Cutgrass (<i>Leersia oryzoides</i>)
<i>Thymelicus lineola</i> *	European Skipper*	Resident	Common	Non-native grasses: prefers Timothy Grass* (<i>Phleum pratense</i> *) but will also eat others.
<i>Hylephila phyleus</i>	Fiery Skipper	Breeding Immigrant	Rare	A variety of common lawn and weedy grasses. Such as Kentucky Blue Grass (<i>Poa pratensis</i>), bentgrasses* (<i>Agrostis</i> spp*.), and Crabgrasses* (<i>Digitaria</i> spp*)
<i>Hesperia leonardus</i>	Leonardus Skipper	Resident	Rare	Perennial grasses including Little Bluestem (<i>Andropogon scoparius</i>), Blue Grama (<i>Bouteloua gracilis</i>), and panic grasses (<i>Panicum</i> spp).
<i>Hesperia sassacus</i>	Indian Skipper	Resident	Rare	grasses including Little Bluestem (<i>Schizachyrium scoparium</i>), Nodding Fescue (<i>Festuca obtusa</i>), panic grasses (<i>Panicum</i> spp) and Poverty Grass (<i>Danthonia spicata</i>)
<i>Polites peckius</i>	Peck's Skipper	Resident	Common	grasses including Rice Cutgrass (<i>Leersia oryzoides</i>)
<i>Polites themistocles</i>	Tawny-edged Skipper	Resident	Common	grasses including panic grasses (<i>Panicum</i> spp), crab grasses* (<i>Digitaria</i> spp*), and blue grasses (<i>Poa</i> spp).
<i>Polites origenes</i>	Crossline Skipper	Resident	Common	grasses including Redtop Grass (<i>Tridens flavus</i>) and Little Bluestem (<i>Andropogon scoparius</i>)
<i>Polites mystic</i>	Long Dash Skipper	Resident	Common	grasses including blue grasses (<i>Poa</i> spp), Quack Grass* (<i>Agropyron repens</i> *), Barnyard Grass (<i>Echinochloa repens</i>), and Timothy Grass* (<i>Phleum pratense</i> *).

<i>Wallengrenia egeremet</i>	Northern Broken-Dash	Resident	Common	grasses including Crab Grass* (<i>Digitaria sanguinalis</i> *) and Panic Grass (<i>Panicum clandestinum</i> and <i>P. dichototum</i>)
<i>Pompeius verna</i>	Little Glassywing	Resident	Common	grasses including Redtop Grass (<i>Tridens flavus</i>)
<i>Anatrytone logan</i>	Delaware Skipper	Resident	Common	grasses including woolly beard grasses* (<i>Erianthus spp</i> *), Switchgrass (<i>Panicum virgatum</i>), and Big Bluestem (<i>Andropogon gerardii</i>)
<i>Poanes massasoit</i>	Mulberry Wing	Resident	Rare	sedges (<i>Carex spp</i>)
<i>Poanes hobomok</i>	Hobomok Skipper	Resident	Common	grasses including panic grasses (<i>Panicum spp</i>) and blue grasses (<i>Poa spp</i>)
<i>Poanes viator</i>	Broad-winged Skipper	Resident	Uncommon	broad leafed sedges: <i>Carex lacustris</i> and <i>C. rostrata</i>
<i>Euphyes dion</i>	Dion Skipper	Resident	Uncommon	sedges: <i>Carex lacustris</i> and <i>C. hyalinopsis</i> , possibly <i>C. stricta</i>
<i>Euphyes conspicua</i>	Black Dash	Resident	Uncommon	sedges; possibly <i>Carex stricta</i>
<i>Euphyes bimacula</i>	Two-spotted Skipper	Resident	Rare	<i>Carex trichocarpa</i>
<i>Euphyes vestris</i>	Dun Skipper	Resident	Common	sedges: <i>Carex lacustris</i> , <i>C. spissa</i> and <i>C. gracillima</i>
<i>Amblyscirtes vialis</i>	Common Roadside Skipper	Resident	Rare	grasses including Kentucky Blue Grass (<i>Poa pratensis</i>), bent grasses (<i>Agrostis spp</i>) and possibly Cultivated Oats* (<i>Avena sativa</i>)*
PAPILIONIDAE – Swallowtails				
<i>Battus philenor</i>	Pipevine Swallowtail	Breeding Immigrant	Rare	Dutchman's Pipe* (<i>Aristolochia macrophylla</i> *)
<i>Papilio polyxenes</i>	Black Swallowtail	Resident	Common	parsley family including Queen Anne's Lace/Wild Carrot* (<i>Daucus carota</i> *) and cultivated Carrot* (<i>Daucus carota</i> *), Dill* (<i>Anethum graveolens</i> *), Parsley* (<i>Petroselinum hortense</i> *) and Celery* (<i>Apium graveolens</i> *).
<i>Papilio cresphontes</i>	Giant Swallowtail	Resident	Rare	Northern Prickly Ash (<i>Xanthoxylum americanum</i>) and Hop Tree (<i>Ptelea trifoliata</i>)
<i>Papilio glaucus</i>	Eastern Tiger Swallowtail	Resident	Common	Tulip Tree (<i>Liriodendron tulipifera</i>), Hop Tree (<i>Ptelea trifoliata</i>) but also cherries (<i>Prunus spp</i>) and ashes (<i>Fraxinus spp</i>)
<i>Papilio canadensis</i>	Canadian Tiger Swallowtail	Resident	Rare	large variety of trees including willows (<i>Salix spp</i>), cherries (<i>Prunus spp</i>) poplars (<i>Populus spp</i>) and ashes (<i>Fraxinus spp</i>)
<i>Papilio troilus</i>	Spicebush Swallowtail	Resident	Rare	Spicebush (<i>Lindera benzoin</i>), Sassafras (<i>Sassafras albidum</i>) and Tulip Tree (<i>Liriodendron tulipifera</i>)
PIERIDAE – Whites and Sulphurs				
<i>Pontia protodice</i>	Checkered White	Temporary Resident	Extirpated	mustard family (<i>Brassicaceae</i>) including cultivated Cabbage* (<i>Brassica oleracea</i> *) and Turnip* (<i>Brassica rapa</i> *) and many wild mustard species.
<i>Pieris oleracea</i>	Mustard White	Resident	Common	mustard family (<i>Brassicaceae</i>) especially rock cresses (<i>Arabis spp</i>) and toothworts (<i>Dentaria spp</i>)
<i>Pieris virginiensis</i>	West Virginia White	Resident	Common	Broadleaf Toothwort (<i>Dentaria diphylla</i>)
<i>Pieris rapae</i> *	Cabbage White*	Resident	Common	mustard family (<i>Brassicaceae</i>) including Cabbage*, Cauliflower*, and Broccoli* (all cultivars of <i>Brassica oleracea</i> *)
<i>Colias philodice</i>	Common Sulphur	Resident	Common	legumes (<i>Fabaceae</i>) particularly clovers* (<i>Trifolium spp</i> *) and Alfalfa* (<i>Medicago sativa</i> *)
<i>Colias eurytheme</i>	Orange Sulphur	Breeding Immigrant	Common	legumes (<i>Fabaceae</i>) particularly clovers* (<i>Trifolium spp</i> *) and Alfalfa* (<i>Medicago sativa</i> *)
<i>Pyrisitia lisa</i>	Little Yellow	Non-breeding Immigrant	Rare	N/A does not breed here
LYCAENIDAE – Coppers, Blues, Hairstreaks				
<i>Feniseca tarquinius</i>	Harvester	Resident	Uncommon	our only carnivorous species, its caterpillars feed on Woolly Aphids (<i>Paraprociphilus tessellatus</i>) who feed on alders (<i>Alnus spp</i>)
<i>Lycaena phlaeas</i>	American Copper	Resident	Uncommon	Sheep Sorrel* (<i>Rumex acetosella</i> *) or Curled Dock* (<i>Rumex crispus</i> *)
<i>Lycaena hyllus</i>	Bronze Copper	Resident	Uncommon	Curled Dock (<i>Rumex crispus</i>), Water Dock (<i>R. oriculatus</i>) and knotweeds (<i>Polygonum spp</i>)
<i>Lycaena helloides</i>	Purplish Copper	Resident	Extirpated	knotweeds (<i>Polygonum spp</i>) and docks (<i>Rumex spp</i>)
<i>Satyrrium acadica</i>	Acadian Hairstreak	Resident	Uncommon	willows (<i>Salix spp</i>)

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<i>Satyrrium titus</i>	Coral Hairstreak	Resident	Uncommon	cherries (<i>Prunus spp</i>) but also reported on Saskatoon Berry (<i>Amelanchier alnifolia</i>) and oaks (<i>Quercus spp</i>)
<i>Satyrrium edwardsii</i>	Edwards' Hairstreak	Resident	Rare	oaks (<i>Quercus spp</i>)
<i>Satyrrium calanus</i>	Banded Hairstreak	Resident	Common	oaks (<i>Quercus spp</i>), hickorys (<i>Carya spp</i>) and walnuts (<i>Juglans spp</i>) but particularly Butternut (<i>Juglans cinerea</i>)
<i>Satyrrium caryaevorus</i>	Hickory Hairstreak	Resident	Common	Bitternut Hickory (<i>Carya cordiformis</i>), Butternut (<i>Juglans cinerea</i>), Red Oak (<i>Quercus rubra</i>), White Ash (<i>Fraxinus americana</i>), and hawthorns (<i>Crataegus spp</i>)
<i>Satyrrium liparops</i>	Striped Hairstreak	Resident	Common	Plums and cherries (<i>Prunus spp</i>) and hawthorns (<i>Crataegus spp</i>) but also rarely oak, willow, poplar and blueberry
<i>Callophrys augustinus</i>	Brown Elfin	Resident	Rare	blueberries (<i>Vaccinium spp</i>), Bearberry (<i>Arctostaphylos uva-ursi</i>), Leatherleaf (<i>Chamaedaphne calyculata</i>) and Labrador Tea (<i>Ledum groenlandicum</i>)
<i>Callophrys niphon</i>	Eastern Pine Elfin	Resident	Uncommon	Jack Pine (<i>Pinus banksiana</i>) and possibly White Pine (<i>P. strobus</i>)
<i>Everes comyntas</i>	Eastern Tailed Blue	Resident	Common	legumes (<i>Fabaceae</i>) including White Clover* (<i>Trifolium repens*</i>), Red Clover* (<i>T. pratense*</i>), and Cow Vetch* (<i>Vicia cracca*</i>)
<i>Celastrina lucia</i>	Spring Azure	Resident	Common	cherries (<i>Prunus spp</i>), blueberries (<i>Vaccinium spp</i>), and early blooming viburnums (<i>Viburnum spp</i>)
<i>Celastrina neglecta</i>	Summer Azure	Resident	Common	Dogwoods (<i>Coruns spp</i>), New Jersey Tea (<i>Ceanothus americanus</i>), meadowsweets (<i>Spiraea spp</i>), and late blooming viburnums (<i>Viburnum spp</i>)
<i>Celastrina serotina</i>	Cherry Gall Azure	Resident	Uncommon?	cherry (<i>Prunus spp</i>) mostly Choke Cherry (<i>Prunus virginiana</i>) but also Nannyberry (<i>Viburnum lentago</i>) and Bristly Sarsaparilla (<i>Aralia hispida</i>)
<i>Glaucopsyche lygdamus</i>	Silvery Blue	Resident	Uncommon	legumes (<i>Fabaceae</i>), usually common non-natives like Cow Vetch* (<i>Vicia cracca*</i>), White Sweet Clover* (<i>Melilotus alba*</i>), and Alfalfa* (<i>Medicago sativa*</i>)

NYMPHALIDAE - Brushfoots

<i>Libytheana carinenta</i>	American Snout	Breeding Immigrant	Rare	Hackberry (<i>Celtis occidentalis</i>)
<i>Euptoieta claudia</i>	Variiegated Fritillary	Breeding Immigrant	Rare	wide variety of plants including violets (<i>Viola spp</i>), flax (<i>Linum spp</i>), stonecrop (<i>Sedum spp</i>), plantains (<i>Plantago spp</i>) and at least six other families.
<i>Speyeria cybele</i>	Great Spangled Fritillary	Resident	Common	violets (<i>Viola spp</i>)
<i>Speyeria aphrodite</i>	Aphrodite Fritillary	Resident	Uncommon	violets (<i>Viola spp</i>)
<i>Boloria selene</i>	Silver-bordered Fritillary	Resident	Uncommon	violets (<i>Viola spp</i>)
<i>Boloria bellona</i>	Meadow Fritillary	Resident	Uncommon	violets (<i>Viola spp</i>)
<i>Chlosyne nycteis</i>	Silvery Crescentspot	Resident	Uncommon	composites (<i>Asteraceae</i>) such as sunflowers (<i>Helianthus spp</i>), asters (<i>Aster spp</i>), and coneflowers (<i>Rudbeckia spp</i>)
<i>Phyciodes tharos</i>	Pearl Crescent	Resident	Common	asters (<i>Aster spp</i>) including Lindley's Aster (<i>Symphotrichum ciliolatum</i>)
<i>Phyciodes cocyta</i>	Northern Crescent	Resident	Common	asters (<i>Aster sp</i>)
<i>Phyciodes batesii</i>	Tawny Crescent	Resident	Rare	asters (<i>Aster sp</i>)
<i>Euphydryas phaeton</i>	Baltimore Checkerspot	Resident	Uncommon	Turtlehead (<i>Chelone glabra</i>) is the preferred foodplant but sometimes will feed on others, in Ontario ashes (<i>Fraxinus spp</i>) seems to be the preferred alternative foodplant
<i>Polygonia interrogationis</i>	Question Mark	Breeding Immigrant	Common	Stinging Nettle (<i>Urtica dioica</i>), elms (<i>Ulmus spp</i>), or Hops (<i>Humulus lupulus</i>)
<i>Polygonia comma</i>	Eastern Comma	Resident	Common	Stinging Nettle (<i>Urtica dioica</i>), Wood Nettle (<i>Laportea canadensis</i>), elms (<i>Ulmus spp</i>), or Hops (<i>Humulus lupulus</i>)
<i>Polygonia progne</i>	Gray Comma	Resident	Uncommon	currants and goosberries (<i>Ribes spp</i>)
<i>Nymphalis l-album</i>	Compton Tortoiseshell	Resident	Uncommon	willow (<i>Salix sp</i>), birch (<i>Betula spp</i>) and poplar (<i>Populus spp</i>)
<i>Nymphalis antiopa</i>	Mourning Cloak	Resident	Common	willows (<i>Salix sp</i>), elms (<i>Ulmus spp</i>), poplars (<i>Populus spp</i>), and hackberrys (<i>Celtis spp</i>)
<i>Aglais milberti</i>	Milbert's Tortoiseshell	Resident	Uncommon	stinging nettles (<i>Urtica spp</i>)

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<i>Vanessa virginiensis</i>	American Lady	Breeding Immigrant	Common	wide variety of composites (<i>Asteraceae</i>) including everlastings and cudweeds (<i>Gnaphalium</i> , <i>Antennaria</i> and <i>Anaphalis</i> spp)
<i>Vanessa cardui</i>	Painted Lady	Breeding Immigrant	Common	wide variety of composites (<i>Asteraceae</i>) including thistles (<i>Cirsium</i> and <i>Carduus</i> spp), knapweeds (<i>Centaurea</i> spp), burdocks* (<i>Arctium</i> spp*) sunflowers (<i>Helianthus</i> spp) and wormwoods (<i>Artemisia</i> spp)
<i>Vanessa atalanta</i>	Red Admiral	Breeding Immigrant	Common	stinging nettles (<i>Urtica</i> spp) and Wood Nettle (<i>Laportea canadensis</i>)
<i>Junonia coenia</i>	Common Buckeye	Breeding Immigrant	Rare	plantains (<i>Plantago</i> spp) and the figwort family (<i>Scrophulariaceae</i>) especially toadflaxs (<i>Linaria</i> spp), gerardias (<i>Gerardia</i> spp) and snapdragons* (<i>Antirrhinum</i> spp*)
<i>Limenitis arthemis arthemis</i>	White Admiral	Resident	Common	willows (<i>Salix</i> spp), poplars (<i>Populus</i> spp), and birchs (<i>Betula</i> spp)
<i>Limenitis arthemis astyanax</i>	Red-spotted Purple	Resident	Common	willows (<i>Salix</i> spp), poplars (<i>Populus</i> spp), cherries (<i>Prunus</i> spp) and oaks (<i>Quercus</i> spp)
<i>Limenitis archippus</i>	Viceroy	Resident	Common	willows (<i>Salix</i> spp) and poplars (<i>Populus</i> spp),
<i>Asterocampa clyton</i>	Tawny Emperor	Resident	Rare	Hackberry (<i>Celtis occidentalis</i> and <i>C. tenuifolia</i>)
<i>Enodia anthedon</i>	Northern Pearly Eye	Resident	Common	woodland grasses including Bearded Shortgrass (<i>Brachyelytrum erectum</i>) and False Melic Grass (<i>Schizachne purpurascens</i>)
<i>Lethe eurydice</i>	Eyed Brown	Resident	Common	sedges, usually <i>Carex lacustris</i> , <i>C. atherodes</i> and <i>C. rostrata</i>
<i>Satyroides appalachia</i>	Appalachian Eyed Brown	Resident	Common	sedges including <i>Carex lacustis</i> and <i>C. stricta</i>
<i>Megisto cymela</i>	Little Wood Satyr	Resident	Common	grasses including Cocksfoot (<i>Dactylis glomerata</i>) and Blue Grass (<i>Poa pratensis</i>)
<i>Coenonympha tullia</i>	Common Ringlet	Resident	Common	grasses including Blue Grass (<i>Poa pratensis</i>) and needlegrasses (<i>Stipa</i> spp)
<i>Cercyonis pegala</i>	Common Wood Nymph	Resident	Common	grasses including Wild Oats (<i>Avena fatua</i>), Purpletop Grass (<i>Tridens flavus</i>), and bluestems (<i>Andropogon</i> spp)
<i>Danaus plexippus</i>	Monarch	Breeding Immigrant	Common	Milkweeds (<i>Asclepias</i> spp)
* butterfly species that are not native to Ontario				*plant species not native to Halton Region

Table 1

Native Herbaceous Vegetation List

The following list is comprised of herbaceous flora locally native and fairly common to the Halton Region. The species are categorized into broad moisture zones, environmental tolerances and vegetation types. This list is not all inclusive. It is presented to give guidance regarding appropriate species and planting locations. To see the full Landscaping Guidelines see the "Planning and Permits" section of the Conservation Halton website: <http://www.conservationhalton.on.ca> . The "Number of Lepidoptera" column is based on available data compiled by Doug Tallamy's research. For more information see his website or book "Bringing Nature Home" : <http://bringingnaturehome.net/>

Scientific Name	Common Name	Moisture Zone			Tolerances		Wildlife Benefits			Vegetation Type		
		Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Shade	Moisture	Pollinator resources (Nectar/Pollen)	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list		Bloom Time	Height
Grasses												
<i>Andropogon gerardii</i>	Big Bluestem	X			Full Sun	Dry - Fresh	-	Leonard's Skipper, Indian Skipper, Crossline Skipper, Delaware Skipper, Common Wood Nymph	11	N/A	48 - 96 inches	Grass
<i>Danthonia spicata</i>	Poverty Oat Grass	X			Full Sun	Dry - Sand, Gravel preferred	-	Indian Skipper	1	N/A	4 - 30 inches	Grass
<i>Elymus canadensis</i>	Canada Wild Rye	X			Full Sun - Part Shade	Dry - Moist	-		31	N/A	24 - 60 inches	Grass
<i>Elymus hystrix</i>	Bottlebrush Grass	X			Part Shade - Shade	Dry - Fresh	-		31	N/A	30 - 36 inches	Grass
<i>Elymus virginicus</i>	Virginia Wild Rye	X			Full Sun	Fresh - Moist	-		31	N/A	24 - 48 inches	Grass
<i>Bromus pubescens</i>	Canada Brome	X			Shade	Dry - Fresh	-		12	N/A	36 - 48 inches	Grass
<i>Muhlenbergia mexicana</i> var. <i>mexicana</i>	Muhly Grass		X		Full Sun	Moist	-		4	N/A	24 - 36 inches	Grass
<i>Poa palustris</i>	Fowl Bluegrass	X			Part Shade	Moist	-	Long Dash Skipper, Hobomok Skipper, Tawny-edged Skipper	42	N/A	24 - 36 inches	Grass
<i>Schizachyrium scoparium</i>	Little Bluestem	X			Full Sun	Dry	-	Indian Skipper	6	N/A	24 - 36 inches	Grass
<i>Sporobolus cryptandrus</i>	Sand Dropseed	X			Full Sun - Part Shade	Dry	-		0	N/A	18 - 30 inches	Grass
Wetland Sedges and Rushes												
<i>Carex bebbii</i>	Bebb's Sedge		X		Sun - Part Shade	Moist	-		36	N/A	12 - 24 inches	Sedge
<i>Carex comosa</i>	Bristly Sedge		X		Sun - Part Shade	Moist	-		36	N/A	12 - 36 inches	Sedge
<i>Carex crinita</i>	Fringed Sedge		X		Sun - Part Shade	Moist	-		36	N/A	24 - 48 inches	Sedge
<i>Carex hystericina</i>	Porcupine Sedge		X		Sun - Part Shade	Moist	-		36	N/A	12 - 36 inches	Sedge
<i>Carex intumescens</i>	Bladder Sedge		X		Part Shade - Shade	Moist	-		36	N/A	12 - 24 inches	Sedge
<i>Carex lacustris</i>	Lake-Bank Sedge			X	Sun - Part Shade	Moist - Wet	-		36	N/A	24 - 48 inches	Sedge
<i>Carex lupulina</i>	Hop Sedge		X		Part Shade - Shade	Moist	-		36	N/A	12 - 36 inches	Sedge
<i>Carex pseudo-cyperus</i>	Cyperus-Like Sedge		X		Sun	Moist	-		36	N/A	36 - 48 inches	Sedge
<i>Carex stipata</i>	Awl-Fruited Sedge		X		Sun - Part Shade	Moist	-		36	N/A	24 - 36 inches	Sedge

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<i>Carex stricta</i>	Tussock Sedge		X		Sun - Part Shade	Moist	-		36	N/A	24 - 36 inches	Sedge
<i>Carex vulpinoidea</i>	Fox Sedge		X		Sun - Part Shade	Moist	-		36	N/A	12 - 36 inches	Sedge
<i>Cyperus esculentus</i>	Yellow Nutsedge		X		Sun - Part Shade	Moist	-		5	N/A	6 - 36 inches	Sedge
<i>Eleocharis erythropoda</i>	Red-based Spikerush			X	Sun - Part Shade	Moist - Wet	-		0	N/A	12 - 36 inches	Spikerush
<i>Eleocharis obtusa</i>	Blunt Spikerush		X		Sun	Moist	-		0	N/A	6 - 12 inches	Spikerush
<i>Eleocharis smallii</i>	Common Spikerush		X		Sun	Moist	-		0	N/A	12 - 18 inches	Spikerush
<i>Equisetum fluviatile</i>	Water Horsetail			X	Sun	Moist - Wet	-		1	N/A	24 -36 inches	Horsetail
<i>Scirpus atrovirens</i>	Green Bulrush		X		Sun - Part Shade	Moist	-		11	N/A	30 - 48 inches	Bulrush
<i>Scirpus cyperinus</i>	Wool Grass Bulrush		X		Sun - Part Shade	Moist	-		11	N/A	36 - 60 inches	Bulrush
<i>Scirpus pendulus</i>	Pendulus Bulrush		X		Sun - Part Shade	Moist	-		11	N/A	24 - 60 inches	Bulrush
<i>Scirpus validus</i>	Softstem Bulrush			X	Sun	Moist - Wet	-		11	N/A	48 - 96 inches	Bulrush
<i>Typha latifolia</i>	Broad-Leaved Cattail			X	Sun	Moist	-		18	N/A	49 - 96 inches	Cattail
Upland Sedges												
<i>Carex albursina</i>	White-bear Sedge	X			Shade	Dry - Fresh	-		36	N/A	6 - 24 inches (foliage 6 inches)	Sedge
<i>Carex pensylvanica</i>	Pennsylvania Sedge	X			Part Shade	Dry	-		36	N/A	6 - 12 inches	Sedge
<i>Carex plantaginea</i>	Plantain-leaved Sedge	X			Shade	Fresh - Moist	-		36	N/A	6 - 12 inches	Sedge
<i>Carex platyphylla</i>	Broad-leaved Sedge	X			Shade	Fresh - Moist	-		36	N/A	6 - 12 inches	Sedge
<i>Carex radiata</i>	Star Sedge	X			Part Shade	Fresh - Moist	-		36	N/A	12 - 18 inches	Sedge
<i>Carex rosea</i>	Rosy Sedge	X			Shade	Fresh - Moist	-		36	N/A	12 - 18 inches	Sedge
Wildflowers												
<i>Actaea pachypoda</i>	White Baneberry	X			Part Shade - Shade	Dry - Fresh	P		4	May - June	18 - 30 inches	Wildflower
<i>Actaea rubra</i>	Red Baneberry	X			Part Shade - Shade	Dry - Fresh	P		4	May - June	18 - 30 inches	Wildflower
<i>Alisma plantago-aquatica</i>	Water Plantain			X	Full Sun	Moist - Wet	N		0	June - Aug	12 - 36 inches	Emergent / Wildflower
<i>Anaphalis margaritacea</i>	Pearly Everlasting	X			Full Sun	Dry	N/P	American Lady	7	July - Sep	15 - 30 inches	Wildflower
<i>Anemone canadensis</i>	Canada Anemone	X	X		Full Sun - Part Shade	Fresh - Moist	N/P		1	May - July	12 - 18 inches	Wildflower
<i>Anemone cylindrica</i>	Long-fruited Anemone	X			Full Sun - Part Shade	Dry - Fresh	N/P		1	June - July	12 - 24 inches	Wildflower
<i>Anemone virginiana</i>	Tall Anemone	X			Full Sun - Part Shade	Dry - Fresh	N/P		1	June - July	2 - 3 feet	Wildflower
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	X			Full Sun - Part Shade	Dry	N		22	June - Aug	18 - 48 inches	Wildflower
<i>Aquilegia canadensis</i>	Wild Columbine	X			Part Shade - Shade	Dry - Fresh	N		12	May - June	12 - 36 inches	Wildflower
<i>Aralia racemosa ssp. racemosa</i>	Spikenard	X			Part Shade - Shade	Dry - Fresh	n		8	June - July	3 - 6 feet	Wildflower
<i>Asclepias incarnata</i>	Swamp Milkweed		X		Sun - Part Shade	Moist	N	Monarch	12	June - July	4 - 5 feet	Emergent / Wildflower
<i>Asclepias syriaca</i>	Common Milkweed	X			Full Sun	Dry	N	Monarch	12	June - Aug	2 - 4 feet	Wildflower
<i>Asclepias tuberosa</i>	Butterfly Weed	X			Full Sun	Dry	N	Monarch	12	June - Sep	1 - 3 feet	Wildflower

Scientific Name	Common Name	Moisture Zone			Tolerances		Wildlife Benefits				Vegetation Type	
		Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Shade	Moisture	Pollinator resources (Nectar/Pollen)	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list	Bloom Time		Height
<i>Asarum canadense</i>	Wild Ginger	X			Part Shade - Shade	Fresh - Moist	-		0	April - May	4 - 6 inches	Wildflower
<i>Bidens cernua</i>	Nodding Bur-marigold		X		Part Shade	Moist	N/P		15	June - Aug	24 - 36 inches	Wildflower
<i>Bidens frondosa</i>	Common Beggarticks		X		Full Sun - Part Shade	Moist	N/P		15	July - Aug	12 - 36 inches	Wildflower
<i>Calla palustris</i>	Water Arum			X	Full Sun - Part Shade	Wet	N/P		?	June - July	6 - 12 inches	Emergent / Wildflower
<i>Caltha palustris</i>	Marsh Marigold		X		Sun - Part Shade	Moist - Wet	N/P		0	April - May	10 - 18 inches	Wildflower
<i>Chelone glabra</i>	Turtlehead		X		Sun - Part Shade	Moist - Wet	N	Baltimore Checkerspot	3	July - Sep	24 - 36 inches	Emergent / Wildflower
<i>Coreopsis lanceolata</i>	Lance-leaved Coreopsis	X			Sun	Dry	N/P		6	June - July	12 - 24 inches	Wildflower
<i>Desmodium canadense</i>	Showy Tick-trefoil	X			Sun	Dry - Moist	N	Possibly Wild Indigo Duskywing	17	July - Aug	24 - 72 inches	Wildflower
<i>Desmodium glutinosum</i>	Pointed-leaved Tick-trefoil	X			Part Shade	Dry - Fresh	N	Possibly Wild Indigo Duskywing	17	July - Aug	16 - 40 inches	Wildflower
<i>Epilobium angustifolium</i>	Fireweed	X			Sun - Part Shade	Dry - Moist	N/P		31	July - Aug	48 - 72 inches	Wildflower
<i>Eupatorium maculatum</i>	Joe-pye-weed		X		Sun - Part Shade	Moist	N/P		41	July - Sep	48 - 84 inches	Wildflower
<i>Eupatorium perfoliatum</i>	Boneset		X		Sun - Part Shade	Moist	N/P		41	July - Sep	24 - 48 inches	Wildflower
<i>Eupatorium rugosum</i>	White Snakeroot	X			Sun - Part Shade	Fresh	N/P		41	Aug - Sep	12 - 36 inches	Wildflower
<i>Eurybia macrophylla</i>	Large-leaved Aster	X			Part Shade - Shade	Dry - Fresh	N/P		0	Aug - Sep	24 - 36 inches	Wildflower
<i>Fragaria virginiana</i>	Common Strawberry	X			Sun - Part Shade	Dry - Fresh	N/P		81	April - May	3 - 6 inches	Wildflower
<i>Fragaria vesca ssp. americana</i>	Woodland Strawberry	X			Sun - Part Shade	Dry - Fresh	N/P		81	April - May	3 - 6 inches	Wildflower
<i>Helianthus divaricatus</i>	Woodland Sunflower	X			Sun - Part Shade	Dry	N/P	Silvery Crescentspot	75	July - Sep	24 - 72 inches	Wildflower
<i>Hydrophyllum canadense</i>	Canada Waterleaf		X		Part Shade - Shade	Fresh - Moist	N		0	May - June	6 - 12 inches	Wildflower
<i>Hydrophyllum virginianum</i>	Virginia Waterleaf		X		Part Shade - Shade	Fresh - Moist	N		0	May - June	6 - 24 inches	Wildflower
<i>Impatiens capensis</i>	Spotted Touch-Me-Not		X		Part Shade	Moist	N		12	July - Aug	24 - 60 inches	Wildflower
<i>Impatiens pallida</i>	Pale Touch-Me-Not		X		Part Shade	Moist	N		12	July - Aug	36 - 72 inches	Wildflower
<i>Iris versicolor</i>	Wild Blue Flag		X		Sun - Part Shade	Moist	N		15	June - July	24 - 36 inches	Emergent / Wildflower
<i>Lilium michiganense</i>	Michigan Lily		X		Sun - Part Shade	Moist	N		11	July - Aug	24 - 60 inches	Wildflower
<i>Lobelia cardinalis</i>	Cardinal Flower		X		Sun - Part Shade	Moist	N		4	July - Sep	24 - 60 inches	Wildflower

Scientific Name	Common Name	Moisture Zone			Tolerances		Wildlife Benefits				Vegetation Type	
		Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Shade	Moisture	Pollinator resources (Nectar/Pollen)	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list	Bloom Time		Height
<i>Lobelia siphilitica</i>	Blue Lobelia		X		Sun - Part Shade	Moist	N		4	July - Sep	24 - 36 inches	Wildflower
<i>Ludwigia palustris</i>	Water-purslane			X	Sun - Part Shade	Moist	-		2	July - Aug?	Submerged or 6 - 12 inchs	Emergent / Wildflower
<i>Lycopus americanus</i>	Water Horehound		X		Part Shade - Shade	Moist	N		?	July - Aug	6 - 30 inches	Wildflower
<i>Lysimachia ciliata</i>	Fringed Loosestrife		X		Part Shade - Shade	Moist	N/P		6	June - Aug	18 - 36 inches	Wildflower
<i>Mimulus ringens</i>	Monkey Flower		X		Part Shade	Moist	N		4	July - Aug	12 - 36 inches	Wildflower
<i>Mitchela repens</i>	Partridgeberry	X			Part Shade - Shade	Fresh	N/P		0	May - July	1 - 4 inches	Wildflower
<i>Monarda fistulosa</i>	Wild Bergamot	X			Sun - Part Shade	Dry - Fresh	N		7	July - Sep	30 - 48 inches	Wildflower
<i>Oenothera biennis</i>	Hairy Yellow Evening Primrose	X			Sun	Dry - Fresh	N/P		17	July - Sep	60 - 72 inches	Wildflower
<i>Oenothera parviflora</i>	Evening Primrose	X			Sun	Dry - Fresh	N/P		17	July - Sep	30 - 60 inches	Wildflower
<i>Penstemon digitalis</i>	White Beardtongue	X	X		Sun	Dry - Fresh	N		8	June - July	12 - 36 inches	Wildflower
<i>Penstemon hirsutus</i>	Hairy Beardtongue	X			Sun	Dry - Fresh	N		8	June - July	12 - 30 inches	Wildflower
<i>Penthorum sedoides</i>	Ditch Stonecrop		X		Sun - Part Shade	Moist - Wet	N		8	July - Sep	12 - 30 inches	Wildflower
<i>Phlox divaricata</i>	Blue Phlox	X			Part Shade - Shade	Fresh	N		8	May - June	6 - 12 inches	Wildflower
<i>Polygala senega</i>	Seneca Snakeroot	X			Sun - Part Shade	Dry - Fresh	N		0	June - July	6 - 20 inches	Wildflower
<i>Polygonatum pubescens</i>	Soloman's Seal	X			Part Shade - Shade	Dry - Fresh	N		1	May - June	12 - 30 inches	Wildflower
<i>Pontederia cordata</i>	Pickerelweed			X	Sun	Wet	N/P		4	June - Sep	12 - 36 inches	Emergent / Wildflower
<i>Potentilla anserina ssp. anserina</i>	Silverweed	X	X		Part Shade - Shade	Fresh - Moist	N/P		15	June - Aug	2 - 6 inches	Wildflower
<i>Prenanthes alba</i>	White Lettuce	X			Part Shade - Shade	Dry - Fresh	N			Aug - Sep	12 - 48 inches	Wildflower
<i>Rudbeckia hirta</i>	Black-eyed Susan	X	X		Sun	Dry - Fresh	N/P	Silvery Crescentspot	16	June - Sep	24 - 36 inches	Wildflower
<i>Rudbeckia laciniata</i>	Green-headed Coneflower		X		Sun - Part Shade	Fresh	N/P	Silvery Crescentspot	16	July - Sep	48 - 84 inches	Wildflower
<i>Rumex orbiculatus</i>	Great Water Dock		X		Sun - Part Shade	Moist - Wet	n	Bronze Copper	54	June - Aug	36 - 60 inches	Wildflower
<i>Sagittaria latifolia</i>	Broad-Leaved Arrowhead			X	Sun - Part Shade	Moist - Wet	n		5	July - Sep	24 - 60 inches	Emergent / Wildflower
<i>Sanguinaria canadensis</i>	Bloodroot	X			Part Shade - Shade	Dry - Fresh	N/P		2	Apl -May	6 -12 inches	Wildflower
<i>Scutellaria galericulata</i>	Marsh Skullcap		X		Sun - Part Shade	Moist	N		2	June - Sep	6 - 36 inches	Wildflower
<i>Sisyrinchium montanum</i>	Blue-eyed Grass	X			Sun	Dry - Fresh	n			June - July	6 - 12 inches	Wildflower
<i>Sium suave</i>	Water Parsnip		X		Sun - Part Shade	Moist - Wet	n		4	July - Aug	12 - 36 inches	Wildflower
<i>Solidago altissima var. altissima</i>	Tall Goldenrod	X			Sun	Dry - Fresh	N/P		115	Aug - Oct	48 - 84 inches	Wildflower
<i>Solidago bicolor</i>	Silverrod	X			Sun - Part Shade	Dry - Fresh	N/P		115	July - Oct	12 - 36 inches	Wildflower
<i>Solidago caesia</i>	Blue-stemmed Goldenrod	X			Part Shade	Dry - Fresh	N/P		115	Aug - Sep	12 - 36 inches	Wildflower
<i>Solidago canadensis</i>	Canada Goldenrod		X		Sun	Dry - Fresh	N/P		115	Aug - Oct	36 - 72 inches	Wildflower

Scientific Name	Common Name	Moisture Zone			Tolerances		Wildlife Benefits				Vegetation Type	
		Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Shade	Moisture	Pollinator resources (Nectar/Pollen)	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list	Bloom Time		Height
<i>Solidago flexicaulis</i>	Zig-zag Goldenrod	X			Part Shade - Shade	Dry - Fresh	N/P		115	July - Sep	12 - 36 inches	Wildflower
<i>Solidago gigantea</i>	Late Goldenrod		X		Sun	Dry - Fresh	N/P		115	Aug - Oct	36 - 72 inches	Wildflower
<i>Solidago juncea</i>	Early Goldenrod	X			Sun	Dry - Fresh	N/P		115	July - Aug	24 - 48 inches	Wildflower
<i>Solidago nemoralis</i>	Grey Goldenrod	X			Sun	Dry - Fresh	N/P		115	Aug - Oct	12 - 36 inches	Wildflower
<i>Solidago patula</i>	Rough-leaved Goldenrod		X	X	Part Shade - Shade	Moist - Wet	N/P		115	Aug - Oct	36 - 72 inches	Wildflower
<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	X	X		Sun - Part Shade	Moist	N/P		115	Sep - Oct	36 - 60 inches	Wildflower
<i>Sparganium emersum</i>	Green-fruited Bur-reed			X	Sun	Moist - Wet	-		3	July - Aug	12 - 36 inches	Emergent / Wildflower
<i>Sparganium eurycarpum</i>	Common Bur-reed			X	Sun	Moist - Wet	-		3	June - Aug	24 - 72 inches	Emergent / Wildflower
<i>Symphyotrichum cordifolium</i>	Heart-leaved Aster	X			Sun - Part Shade	Dry - Fresh	N/P	Pearl Crescent, Northern Crescent, Tawny Crescent, Silvery Crescentspot	109	Aug - Sep	8 - 24 inches	Wildflower
<i>Symphyotrichum ericoides</i> var. <i>ericoides</i>	Heath Aster	X			Sun	Dry - Fresh	N/P	Pearl Crescent, Northern Crescent, Tawny Crescent, Silvery Crescentspot	109	Sep - Oct	12 - 36 inches	Wildflower
<i>Symphyotrichum laeve</i> var. <i>laeve</i>	Smooth Aster	X			Sun	Dry - Fresh	N/P	Pearl Crescent, Northern Crescent, Tawny Crescent, Silvery Crescentspot	109	Aug - Oct	24 - 48 inches	Wildflower
<i>Symphyotrichum novae-angliae</i>	New England Aster		X		Sun	Dry - Fresh	N/P	Pearl Crescent, Northern Crescent, Tawny Crescent, Silvery Crescentspot	109	Aug - Oct	24 - 48 inches	Wildflower
<i>Symphyotrichum pilosum</i> var. <i>pilosum</i>	White Heath Aster	X			Sun	Dry - Fresh	N/P	Pearl Crescent, Northern Crescent, Tawny Crescent, Silvery Crescentspot	109	Aug - Oct	24 - 60 inches	Wildflower
<i>Symphyotrichum puniceum</i>	Swamp Aster		X		Sun	Moist - Wet	N/P	Pearl Crescent, Northern Crescent, Tawny Crescent, Silvery Crescentspot	109	July - Sep	24 - 60 inches	Wildflower
<i>Thalictrum pubescens</i>	Tall Meadow Rue		X		Part Shade	Moist	-		13	June - July	24 - 54 inches	Wildflower
<i>Triosteum aurantiacum</i>	Wild Coffee	X			Part Shade	Dry - Fresh	N		3	May - June	24 - 48 inches	Wildflower
<i>Verbena hastata</i>	Blue Vervain		X		Sun - Part Shade	Moist	N/P		19	July - Sep	24 - 72 inches	Wildflower
<i>Verbena urticifolia</i>	White Vervain	X			Sun - Part Shade	Fresh - Moist	N/P		19	July - Sep	36 - 72 inches	Wildflower
<i>Waldsteinia fragarioides</i>	Barren Strawberry	X			Sun - Part Shade	Dry - Fresh	N/P		0	Apl - June	3 - 8 inches	Wildflower

Table 2

Native Woody Vegetation List

The following list is comprised of woody flora locally native and fairly common to the Halton Region. The species are categorized into broad moisture zones, environmental tolerances and vegetation types. This list is not all inclusive. It is presented to give guidance regarding appropriate species and planting locations. To see the full Landscaping Guidelines see the "Planning and Permits" section of the Conservation Halton website: <http://www.conservationhalton.on.ca>. The "Number of Lepidoptera" column is based on available data compiled by Doug Tallamy's research. For more information see his website or book "[Bringing Nature Home](http://bringingnaturehome.net/)": <http://bringingnaturehome.net/>

Scientific Name	Common Name	Successional Status	Moisture Zone			Environmental Tolerances					Wildlife Benefits				Vegetation Type		
			Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Salt	Wind	Shade	Moisture	Soil	Attracts General Wildlife	Pollinator resources (Nectar/Pollen), Bolded means they are very good source, *N/P* means exceptionally good source	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list		Bloom time	Height
Shrubs																	
<i>Alnus incana</i> spp. <i>rugosa</i>	Speckled Alder	Early		X	X	Low		Full Sun	Moist - Wet	Variable		P and Wind Pollinated	Harvester larvae feed on Woolly Aphids (<i>Paracropiphilus tessellatus</i>) who feed on alders (<i>Alnus</i> spp)	255	April - May	15 - 25 feet	Shrub
<i>Amelanchier arborea</i>	Downy Serviceberry / Juneberry	Early - Mature	X			Moderate	High	Full Sun - Part Shade	Dry - Moist	Acidic	X	N/P		125	April - May	20 - 32 feet	Shrub
<i>Amelanchier laevis</i>	Smooth Juneberry	Early - Mature	X					Full Sun - Part Shade	Dry - Moist	Sandy, Acidic	X	N/P		125	April - May	15 - 30 feet	Shrub
<i>Amelanchier sanguinea</i>	Round-leaved Serviceberry	Early - Mature	X			Moderate	High	Full Sun - Part Shade	Dry - Moist	Rocky, Acidic	X	N/P		125	April - May	10 feet	Shrub
<i>Amelanchier spicata</i>	Shadbush / Dwarf Serviceberry	Early - Mature	X			Moderate	High	Full Sun - Part Shade	Dry - Fresh	Sandy, Acidic	X	N/P		125	April - May	3 - 7 feet	Shrub
<i>Ceanothus americanus</i>	New Jersey Tea	Early	X				Moderate	Full Sun - Part Shade	Dry - Fresh	Well Drained		N/P	Mottled Duskywing, Summer Azure	45	June - Aug	1 - 3 feet	Shrub
<i>Cephalanthus occidentalis</i>	Buttonbush	Early		X	X			Full Sun	Moist - Wet	Variable	X	N/P		19	June - July	1 - 3 feet	Shrub
<i>Cornus alternifolia</i>	Alternate-leaved Dogwood	Mature	X	X		Low		Part Shade - Shade	Dry - Fresh	Well Drained	X	N/P	Summer Azure	118	May - June	15 - 25 feet	Shrub
<i>Cornus obliqua</i> (<i>amomum</i> ssp. <i>obliqua</i>)	Silky Dogwood	Early		X		Low		Sun - Part Shade	Moist - Wet	Well Drained, Humus	X	N/P	Summer Azure	118	May - June	6 - 12 feet	Shrub
<i>Cornus canadensis</i>	Bunchberry	Mature	X					Sun - Part Shade	Moist	Clay, Sand, Loam, Humus	X	N/P	Summer Azure	118	May - June	< 1 foot	Shrub
<i>Cornus foemina</i> (<i>racemosa</i>)	Grey Dogwood	Early		X		Low		Sun - Part Shade	Dry - Moist	Well Drained	X	N/P	Summer Azure	118	May - June	10 - 15 feet	Shrub
<i>Cornus rugosa</i>	Round-leaved Dogwood	Early	X					Part Shade - Shade	Dry - Fresh	Sandy Loam	X	N/P	Summer Azure	118	May - June	9 feet	Shrub
<i>Cornus stolonifera</i>	Red-osier Dogwood	Early		X	X	Low		Full Sun - Part Shade	Fresh - Wet	Clay, Sand, Loam	X	N/P	Summer Azure	118	May - June	5 - 15 feet	Shrub
<i>Corylus cornuta</i>	Beaked Hazelnut	Early	X				High	Full Sun - Part Shade	Dry - Moist	Loam	X	N/P		118	March - May	5 - 15 feet	Shrub
<i>Crataegus</i> spp.	Hawthorn	Early	X			Low		Full Sun - Part Shade	Dry - Moist	Loam, Clay	X	N/P	Hickory Hairstreak, Striped Hairstreak	168	May - June	15 - 50 feet	Shrub
<i>Diervilla lonicera</i>	Bush Honeysuckle	Early	X				High	Full Sun - Shade	Fresh - Moist	Sandy Loam		N/P		5	June - July	2 - 4 feet	Shrub
<i>Dirca palustris</i>	Leatherwood	Mature	X					Shade	Fresh - Moist	Sandy Loam		N/P		1	March - April	4 - 6 feet	Shrub
<i>Euonymus obovata</i>	Running Strawberry-bush	Mature	X					Shade	Dry - Moist	Enriched Soils		N		11	May - June	< 1 foot	
<i>Hamamelis virginiana</i>	Witch Hazel	Mature	X			High	High	Full Sun - Shade	Fresh - Moist	Moist		N/P		63	Sep - Nov	15 - 25	Shrub
<i>Ilex verticillata</i>	Winterberry	Early		X		High		Full Sun - Part Shade	Fresh - Wet	Acidic, Organic	X	N		39	May - June	6 - 10 feet	Shrub
<i>Lindera benzoin</i>	Spicebush	Mature		X			Moderate	Part Shade	Fresh - Moist	Moist	X	N	Spicebush Swallowtail	38	March	6 - 10 feet	Shrub
<i>Lonicera canadensis</i>	Fly-honeysuckle		X				Moderate	Sun - Partial Shade	Moist - Wet	Moist	X	N		37	May - June	3 - 6 feet	Shrub
<i>Lonicera dioica</i>	Wild Honeysuckle	Early	X			High		Sun - Part Shade	Dry - Moist	Loam	X	N/P		37	May - June	3 - 6 feet (Trailing vine)	Shrub
<i>Nemopanthus mucronatus</i>	Mountain Holly			X				Full Sun - Part Shade	Moist	Loamy Organic		N			May - June	6 - 10 feet	Shrub

Scientific Name	Common Name	Successional Status	Moisture Zone			Environmental Tolerances					Wildlife Benefits				Vegetation Type		
			Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Salt	Wind	Shade	Moisture	Soil	Attracts General Wildlife	Pollinator resources (Nectar/Pollen), Bolded means they are very good source, *N/P* means exceptionally good source	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list		Bloom time	Height
<i>Prunus pensylvanica</i>	Pin Cherry	Early	X				High	Full Sun	Dry - Moist	Sandy Loam	X	N/P	Striped Hairstreak, Spring Azure, Cherry Gall Azure, Eastern Tiger Swallowtail, Canadian Tiger Swallowtail	456	May - June	15 - 36 feet	Shrub
<i>Prunus virginiana</i>	Choke Cherry	Early	X	X		Low		Full Sun - Part Shade	Dry - Moist	Sandy Loam, Clay	X	N/P	Striped Hairstreak, Spring Azure, Cherry Gall Azure, Eastern Tiger Swallowtail, Canadian Tiger Swallowtail	456	April - May	12 - 24 feet	Shrub
<i>Rhamnus alnifolia</i>	Alder-Leaved Buckthorn			X				Part Shade - Shade	Moist - Wet	Acidic		N		10	May - June	1 - 3 feet	Shrub
<i>Rhus typhina</i>	Staghorn Sumac	Early	X			High		Full Sun	Dry - Fresh	Sandy Loam, Clay		N/P		58	June - July	3 - 24 feet	Shrub
<i>Ribes americanum</i>	Wild Black Currant	Early	X	X				Full Sun - Part Shade	Fresh - Moist	Sandy Loam, Clay	X	N	Gray Comma	99	May - June	3 - 4 feet	Shrub
<i>Ribes cynosbati</i>	Prickly Gooseberry	Early	X					Full Sun - Part Shade	Dry - Moist	Sandy Loam, Clay	X	N	Gray Comma	99	May - June	3 - 4 feet	Shrub
<i>Ribes triste</i>	Swamp Red Currant	Early	X	X				Full Sun - Part Shade	Moist	Sandy Loam, Clay	X	N	Gray Comma	99	May - June	3 - 4 feet	Shrub
<i>Rosa blanda</i>	Smooth Wild Rose	Early	X					Full Sun	Dry	Sandy Loam, Clay		N/P		135	June - July	1-2 feet	Shrub
<i>Rosa carolina</i>	Pasture Rose	Early	X			High	Moderate	Full Sun - Part Shade	Dry	Sand	X	N/P		135	May - June	1 - 3 feet	Shrub
<i>Rosa palustris</i>	Swamp Rose			X				Full Sun - Part Shade	Moist - Wet	Variable		N/P		135	May - June	6 - 12 feet	Shrub
<i>Rubus allegheniensis</i>	Common Blackberry	Early - Mature	X					Full Sun - Part Shade	Fresh - Moist	Clay, Sand, Loam	X	N/P		163	Jun - July	3 - 10 feet (eventually arch sideways and downward)	Shrub
<i>Rubus idaeus ssp. melanolasius</i>	Wild Red Raspberry	Early - Mature		X				Full Sun - Part Shade	Fresh - Moist	Sand, Loam, Humus	X	N/P		163	Jun - July (aug?)	3 - 6 feet (eventually arch sideways and downward)	Shrub
<i>Rubus occidentalis</i>	Black Raspberry	Early - Mature	X					Full Sun - Part Shade	Fresh - Moist	Clay, Sand, Loam	X	N/P		163	June	3 - 10 feet (eventually arch sideways and downward)	Shrub
<i>Rubus odoratus</i>	Purple-flowering Raspberry	Early - Mature	X	X				Full Sun - Part Shade	Fresh - Moist	Loam	X	N/P		163	Jun - Aug	3-8 feet	Shrub
<i>Rubus pubescens</i>	Dwarf Raspberry	Early - Mature		X				Part Shade - Shade	Moist - Wet		X	N/P		163	May - June	< 1 foot	Shrub
<i>Salix amygdaloides</i>	Peach-Leaved Willow	Early		X		High		Full Sun	Moist - Wet	Variable	X	*N/P*	Acadian Hairstreak, Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apr - May	10 - 50 feet	Tree/Shrub
<i>Salix bebbiana</i>	Beaked Willow	Early		X		High		Full Sun	Fresh - Wet	Variable	X	*N/P*	Acadian Hairstreak, Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apr - May	6 - 18 feet	Shrub

Scientific Name	Common Name	Successional Status	Moisture Zone			Environmental Tolerances					Wildlife Benefits				Vegetation Type		
			Upland	Floodline Fringe/Wet Riparian	Shoreline Fringe/Shallow Water	Salt	Wind	Shade	Moisture	Soil	Attracts General Wildlife	Pollinator resources (Nectar/Pollen), <small>Bolded means they are very good source, *N/P* means exceptionally good source</small>	Larval Host Plant for the following butterflies	Number of Lepidoptera species in mid-Atlantic North America that use genus as per Doug Tallamy's list		Bloom time	Height
<i>Salix discolor</i>	Pussy Willow	Early		X		High		Full Sun	Moist - Wet	Variable	X	*N/P*	Acadian Hairstreak , Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apl - May	6 - 18 feet	Shrub
<i>Salix eriocephala</i>	Woolly Headed Willow	Early		X		High		Full Sun	Moist - Wet	Variable	X	*N/P*	Acadian Hairstreak , Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apl - May	6 - 12 feet	Shrub
<i>Salix exigua</i>	Sandbar Willow	Early		X	X	High		Full Sun	Moist - Wet	Variable	X	*N/P*	Acadian Hairstreak , Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apl - May	6 - 27 feet	Shrub/Small Tree
<i>Salix lucida</i>	Shining Willow	Early		X		High	High	Full Sun	Moist - Wet	Variable	X	*N/P*	Acadian Hairstreak , Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apl - May	6 - 24 feet	Shrub
<i>Salix petiolaris</i>	Slender Willow	Early		X		High		Full Sun	Moist - Wet	Variable	X	*N/P*	Acadian Hairstreak , Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	Apl - May	3 - 9 feet	Shrub
<i>Sambucus canadensis</i>	White Elderberry			X				Full Sun - Part Shade	Moist	Rich, Damp	X	N		42	July	5 - 13 feet	Shrub
<i>Sambucus racemose spp. pubens</i>	Red Elderberry	Early	X					Part Shade - Shade	Dry - Fresh	Sand, Loam	X	N		42	June - July	3 - 13 feet	Shrub
<i>Shepherdia canadensis</i>	Buffaloberry/Soapberry	Early	X					Full Sun	Dry - Fresh	Sandy Loam, Alkaline		N		22	Apl - May	2 - 8 feet	Shrub
<i>Spiraea alba</i>	Narrowleaf Meadowsweet	Early		X				Full Sun	Moist - Wet	Loam, Organic		N	Summer Azure	89	June - July	2 - 6 feet	Shrub
<i>Staphylea trifolia</i>	Bladdernut		X	X				Partial Shade - Shade	Fresh - Moist	Sand, Loam		N		2	May - June	6 - 13 feet	Shrub
<i>Symphoricarpos albus</i>	Snowberry	Early - Mature	X			High		Full Sun - Part Shade	Dry - Fresh	Limestone, Clay	X	N		25	June - July	1 - 3 feet	Shrub
<i>Taxus canadensis</i>	Canada Yew	Mature	X			Low	Low	Full Sun - Part Shade	Moist - Wet	Clay, Sand, Loam		Wind Pollinated		8	May	1 - 6 feet	Shrub
<i>Vaccinium angustifolium</i>	Lowbush Blueberry	Early - Mature	X					Full Sun - Part Shade	Dry - Fresh	Sand, Loam	X	N	Spring Azure, rarely Striped Hairstreak	294	May - June	0.5 - 2 feet	Shrub
<i>Vaccinium myrtilloides</i>	Velvet-leaf Blueberry	Early		X		High		Full Sun - Part Shade	Dry - Fresh	Sandy Loam, Clay	X	N	Spring Azure, rarely Striped Hairstreak	294	May - June	0.5 - 2 feet	Shrub
<i>Vaccinium pallidum</i>	Early Sweet Blueberry	Early - Mature	X			High		Full Sun - Part Shade	Dry - Fresh	Sand, Loam	X	N	Spring Azure, rarely Striped Hairstreak	294	May - June	0.5 - 2 feet	Shrub
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	Early - Mature	X				Moderate	Full Sun - Part Shade	Dry - Moist	Sandy Loam, Clay		N/P	Spring Azure, rarely Striped Hairstreak	104	May - June	4 - 6 feet	Shrub
<i>Viburnum lentago</i>	Nannyberry	Early		X				Sun - Shade	Dry - Moist	Variable	X	N/P	Summer Azure	104	May - June	10 - 29 feet	Shrub/Small Tree
<i>Viburnum rafinesquianum</i>	Downy Arrow-wood	Early	X					Sun - Shade	Dry - Fresh	Sandy Loam, Clay		N/P	Summer Azure	104	May - June	5 - 10 feet	Shrub

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<i>Viburnum trilobum</i>	Highbush Cranberry	Early		X		Low		Sun - Part Shade	Fresh - Moist	Variable	X	N/P	Summer Azure	104	May - June	6 - 12 feet	Shrub
<i>Zanthoxylum americanum</i>	Prickly Ash	Early	X					Sun - Part Shade	Fresh - Moist	Poor	X	N	Giant Swallowtail	6	May - June	6 - 13 feet	Shrub
Trees																	
<i>Abies balsamea</i>	Balsam Fir	Mature		X		Low	High	Shade		Acidic	X	Wind Pollinated		117	May - June	50 - 75 feet	Tree
<i>Acer rubrum</i>	Red Maple	Early - Mature		X		Low		Sun - Part Shade		Slightly Acidic	X	N		297	March - April	50 - 75 feet	Tree
<i>Acer saccharum</i>	Sugar Maple	Mature	X			Low		Sun - Shade		Sandy Loam, Clay		N		297	April	80 - 115 feet	Tree
<i>Acer saccharinum</i>	Silver Maple	Early		X		Moderate		Shade		Slightly Acidic		N		297	April	90 - 120 Feet	Tree
<i>Acer saccharum ssp. nigrum</i>	Black Maple	Mature		X				Part Shade - Shade		Clay, Loam	X	N		297	April	50 - 75 feet	Tree
<i>Acer spicatum</i>	Mountain Maple	Early - Mature	X					Sun		Clay, Sand, Loam	X	N		297	May - June	10 - 30 feet	Tree
<i>Betula alleghaniensis</i>	Yellow Birch	Mature		X		High		Shade		Slightly Acidic		P and Wind Pollinated	Compton Tortoiseshell, White Admiral, Dreamy Dukywing	411	May	60 - 80 feet	Tree
<i>Betula papyrifera</i>	Paper Birch	Early	X			Moderate		Sun		Acidic, Sand, Silt, Loam		P and Wind Pollinated	Compton Tortoiseshell, White Admiral, Dreamy Dukywing	411	May	60 - 70 feet	Tree
<i>Carpinus caroliniana</i>	American Hornbeam (Musclewood)	Mature	X			Low		Shade		Slightly Acidic		Wind Pollinated		68	April - May	20 - 30 feet	Tree
<i>Carya cordiformis</i>	Bitternut Hickory	Early - Mature		X				Sun - Part Shade		Loam		Wind Pollinated	Banded Hairstreak, Hickory Hairstreak	235	April - May	60 - 80 feet	Tree
<i>Carya ovata</i>	Shagbark Hickory	Early - Mature		X				Full Sun - Part Shade		Loam, Clay		Wind Pollinated	Banded Hairstreak, Hickory Hairstreak	235	June	70 - 90 feet	Tree
<i>Fagus grandifolia</i>	American Beech	Mature - Old Growth	X			Low		Full Sun - Part Shade		Acidic	X	Wind Pollinated		127	April - May	60 - 90 feet	Tree
<i>Fraxinus americana</i>	White Ash	Early - Mature	X			High		Full Sun		Loam, Clay		Wind Pollinated	Hickory Hairstreak, Eastern Tiger Swallowtail, sometimes Baltimore Checkerspot	149	April - May	50 - 80 feet	Tree
<i>Fraxinus nigra</i>	Black Ash	Mature		X				Full Sun		Variable		Wind Pollinated	Eastern Tiger Swallowtail, Canadian Tiger Swallowtail, sometimes Baltimore Checkerspot	149	April - May	50 - 70 feet	Tree
<i>Fraxinus pennsylvanica</i>	Red Ash	Early - Mature		X		Moderate		Full Sun		Sandy Loam, Clay		Wind Pollinated	Eastern Tiger Swallowtail, Canadian Tiger Swallowtail, sometimes Baltimore Checkerspot	149	April - May	50 - 70 feet	Tree
<i>Juglans nigra</i>	Black Walnut	Early - Mature		X				Full Sun - Part Shade		Sand, Loam, Clay	X	Wind Pollinated	Banded Hairstreak	129	May - June	80 - 120 feet	Tree
<i>Juniperus virginiana</i>	Eastern Red Cedar	Early	X			Moderate	Moderate	Sun		Moist Loam		Wind Pollinated		42	April - May	30 - 50 feet	Tree
<i>Larix laricina</i>	Tamarack	Early		X				Sun		Clay, Sand, Loam, Humus		Wind Pollinated		121	April - May	50 - 80 feet	Tree
<i>Malus coronaria</i>	Wild Crab Apple	Early	X					Part Shade			X	N/P		308	wers two week	20 - 25 feet	Tree
<i>Ostrya virginiana</i>	Ironwood	Early - Mature	X					Partial Shade - Shade		Sand, Loam, Clay		Wind Pollinated		94	April - May	20 - 30 feet	Tree
<i>Picea glauca</i>	White Spruce	Early	X			High	High	Full Sun		Moist Loam		Wind Pollinated		150	April - May	40 - 60 feet	Tree
<i>Pinus strobus</i>	Eastern White Pine	Early - Mature	X			Low	Low	Full Sun		Fertile, Well Drained		Wind Pollinated	Eastern Pine Elfyn	150	May - June	100 - 160 feet	Tree

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<i>Populus balsamifera</i>	Balsam Poplar	Early		X		High		Full Sun		Sandy Loam, Clay		P and Wind Pollinated	Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Canadian Tiger Swallowtail	367	April	80 - 100 feet	Tree
<i>Populus deltoides</i>	Eastern Cottonwood	Early		X	X			Full Sun		Sand, Loam, Clay		P and Wind Pollinated	Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Canadian Tiger Swallowtail	367	April	80 - 100 feet	Tree
<i>Populus grandidentata</i>	Largetooth Aspen	Early		X		High		Full Sun		Sand, Loam		P and Wind Pollinated	Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Canadian Tiger Swallowtail	367	April	60 - 80 feet	Tree
<i>Populus tremuloides</i>	Trembling Aspen	Early	X			High	High	Sun		Sand, Loam	X	P and Wind Pollinated	Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Canadian Tiger Swallowtail	367	April	50 - 70 feet	Tree
<i>Prunus nigra</i>	Black Plum	Early	X					Partial Shade		Clay, Sand, Loam	X	N/P	Striped Hairstreak, Spring Azure. Cherry Gall Azure, Eastern Tiger Swallowtail, Canadian Tiger Swallowtail	456	April	30 - 30 feet	Tree
<i>Prunus serotina</i>	Black Cherry	Early	X			Moderate		Sun - Shade		Moist, Fertile	X	N/P	Striped Hairstreak, Spring Azure. Cherry Gall Azure, Eastern Tiger Swallowtail, Canadian Tiger Swallowtail	456	April - May	60 - 90 feet	Tree
<i>Quercus alba</i>	White Oak	Early - Mature	X			High		Sun - Shade		Sandy Loam, Loam, Clay, Acidic	X	P	Juvenal's Duskywing, Coral Hairstreak, Edwards' Hairstreak, Banded Hairstreak, Striped Hairstreak, Red-spotted Purple,	532	April - May	80 - 100 feet	Tree
<i>Quercus macrocarpa</i>	Bur Oak	Early		X				Full Sun		Sandy Loam, Clay		P	Juvenal's Duskywing, Coral Hairstreak, Edwards' Hairstreak, Banded Hairstreak, Striped Hairstreak, Red-spotted Purple,	532	April - May	60 - 80 feet	Tree
<i>Quercus muehlenbergii</i>	Chinquapin Oak	Mature	X					Sun, Part Shade		San	X	P	Juvenal's Duskywing, Coral Hairstreak, Edwards' Hairstreak, Banded Hairstreak, Striped Hairstreak, Red-spotted Purple,	532	April - May	50 - 70 feet	Tree
<i>Quercus rubra</i>	Red Oak	Early - Mature	X			High		Full Sun		Sandy Loam, Slightly Acidic		P	Juvenal's Duskywing, Coral Hairstreak, Edwards' Hairstreak, Banded Hairstreak, Striped Hairstreak, Hickory Hairstreak, Red-spotted Purple,	532	April - May	60 - 80 feet	Tree
<i>Quercus velutina</i>	Black Oak			X				Full Sun		Sand	X	P	Juvenal's Duskywing, Coral Hairstreak, Edwards' Hairstreak, Banded Hairstreak, Striped Hairstreak, Red-spotted Purple,	532	April - May	60 - 80 feet	Tree
<i>Salix nigra</i>	Black Willow	Early		X	X	Moderate						N/P	Acadian Hairstreak, Canadian Tiger Swallowtail, Compton Tortoiseshell, Mourning Cloak, White Admiral, Red-spotted Purple, Viceroy, Dreamy Duskywing	455	April - May	40 - 90 feet	Tree
<i>Sassafras albidum</i>	Sassafras	Early - Mature	X					Full Sun - Part Shade		Sand, Loam	X	N/P	Spicebush Swallowtail	38	April - May	40 - 60 feet	Tree
<i>Thuja occidentalis</i>	Eastern White Cedar	Early - Mature		X		Moderate	Low	Full Sun		Marshy Loam		Wind Pollinated		50	April - May	30 - 50 feet	Tree
<i>Tilia americana</i>	Basswood	Early - Mature				Low	Low	Full Sun - Part Shade		Moist/Fertile		*N/P*		149	June	50 - 90 feet	Tree

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<i>Tsuga canadensis</i>	Eastern Hemlock	Mature - Old Growth	X			Low	Low	Part Shade		Acidic, Rock Bluffs, Sandy Soils		Wind Pollinated		94	May - June	40 - 70 feet	Tree
<i>Ulmus americana</i>	White Elm	Early - Mature		X		Moderate		Sun - Shade		Sandy Loam, Clay		P		215	March - April	60 - 80 feet	Tree
<i>Ulmus rubra</i>	Red Elm	Early - Mature	X	X				Sun - Part Shade		Loam		P		215	March - April	40 - 60 feet	Tree
<i>Ulmus thomasii</i>	Rock Elm	Early - Mature	X					Sun - Part Shade		Sandy, Loam, Clay		P		215	March - April	60 - 100 feet	Tree
Vines																	
<i>Celastrus scandens</i>	Climbing Bittersweet	Early - Mature	X					Sun - Part Shade		Clay, Loam	X	N/P		7	May - June	up to 20 feet	Vine
<i>Clematis virginiana</i>	Virgin's Bower	Early		X				Sun - Part Shade				N		6	July - Sep	up to 20 feet	Vine
<i>Echinocystis lobata</i>	Wild Cucumber	Early		X				Sun - Part Shade				N		1	June - Oct	up to 15 feet	Vine
<i>Lonicera dioica</i>	Honeysuckle	Early	X	X				Full Sun - Part Shade		Variable	X	N		37	May - July	up to 10 feet	Vine
<i>Menispermum canadense</i>	Canada Moonseed	Early		X				Sun - Shade		Sandy Loam, Clay	X	N/P		1	June - July	up to 10 feet	Vine
<i>Parthenocissus inserta</i>	Thicket Creeper	Mature		X		High	High	Full Sun - Full Shade			X	N		32	July - Aug	up to 50 feet	Vine
<i>Smilax herbacea</i>	Carrion-flower		X	X				Part Shade - Shade				N		19	May - June	up to 10 feet	
<i>Smilax hispida</i>	Bristly Greenbrier	Early		X				Full Sun - Full Shade		Variable		N		19	May - June	up to 40 feet	Vine
<i>Vitis aestivalis</i>	Summer Grape	Early	X					Sun - Shade			X	N		79	May - June	up to 65 feet	
<i>Vitis riparia</i>	Riverbank Grape	Early		X				Sun - Shade			X	N		79	May - June	up to 40 feet	Vine