

APPENDIX 14

Recommended Planting Applications

City of Hamilton Tree Species List

SECTION 1

URBAN STREET TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Acer campestre	Hedge Maple	Adaptable	Urban street tree	Heavy seeder when stressed, cultivars include a 'Nana' form
Acer platanoides	Norway Maple	Adaptable	Presently over utilized, use only as an urban street tree	Somewhat invasive, red leafed cultivars have made this plant popular among homeowners, once a foothold is established can become dominant species in a woodlot. ONLY USE A AN URBAN STREET TREE
Acer pseudoplatanus	Sycamore Maple	Adaptable	Urban street tree	Limited ornamental features, relatively tough tree, seeds readily
Celtis occidentalis	Hackberry	Adaptable, prefers moist rich soils, full sun	Urban street tree, naturalizing, landscapes, parks	Native, fast growing
Corylus colurna	Turkish Hazel	Adaptable, full sun	Urban street tree, landscapes	Very tolerant of harsh conditions
Eucommia ulmoides	Hardy Rubber Tree	Adaptable, full sun	Urban street tree	Extremely drought tolerant, pest and disease free
Gingko biloba	Gingko	Adaptable, full sun	Urban street tree, landscapes	Male plants only on streets (Females extremely messy), few pests and pollution resistant
Gleditsia tricanthos var. inermis	Honey Locust	Adaptable, full sun	Urban street tree, landscapes	Over planted street tree, only varieties that are <i>inermis</i> should be planted over planted
Platanus x acerifolia	London Planetree	Extremely adaptable, prefers moist rich soils, full sun	Urban street tree, parks, landscapes	Street tree where room permits, prone to anthracnose
Prunus virginiana	Chokecherry	Adaptable, short lived, full sun	Urban street tree	Various red leafed cultivars , recommended for areas of limited space only over planted
Pyrus calleryana	Callery Pear	Adaptable, full sun	Urban street tree	Pollution tolerant, weak crotches, variety of forms though cultivars , recommended for areas of limited space only over planted
Sophora japonica	Pagoda, Pagodatree	Adaptable, prefers moist rich soils, full sun	Urban street tree, street tree	

City of Hamilton Tree Species List

SECTION 2

STREET TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Acer x freemanii	Freeman Maple	Prefers moist rich soils	Street tree (if room permitting)	Various cultivars with good form, cross of Red and Silver Maple
Acer rubrum	Red Maple, Swamp Maple	Prefers moist rich soils, will tolerate wet areas	Street tree (if room permitting), naturalizing	Selected cultivars superior to species, native
Acer tartaricum	Tatarian Maple	Adaptable, drought tolerant	Street tree, planters	Underutilized
Acer triflorum	Three Flower Maple	Prefers moist rich soils, acid soils	Parks, landscapes, street tree	Underutilized
Acer truncatum	Purpleblow Maple	Adaptable (prefers moist rich soils)	Street tree	Underutilized, similar in form and habit to Norway Maple
Aesculus x carnea	Red Horsechestnut	Prefers moist rich soils	Parks, landscapes, street tree	Should be utilized more where room permits, selected cultivars superior to species
Aesculus hippocastanum	Horsechestnut	Prefers moist rich soils	Parks, street tree (sterile cultivars only)	Selected cultivars superior to species, 'Baumanii' does not produce fruit
Amelanchier canadensis	Serviceberry	Very adaptable, sun or shade	Naturalizing, parks, street tree, landscapes, planters	Several species within the genus readily available most with similar qualities, pioneer trees, recommended for areas of limited space only
Carpinus betulus	Hornbeam	Very adaptable, prefers moist rich soils	Naturalizing, parks, street tree, landscapes, planters	Excellent landscape tree
Cercidiphyllum japonicum	Katsura	Prefers moist rich soils	Street tree, landscapes, parks	Difficult tree to establish, requires constant watering at time of planting, grafted cultivar 'pendula', excellent overall landscape plant
Koelreuteria paniculata	Golden Rain Tree	Adaptable, alkaline soils, full sun	Landscapes, parks, street tree	Underutilized street tree
Liquidamber styraciflua	Sweetgum	Adaptable prefers moist rich acid soils, full sun/light shade	Landscapes, parks, street tree	Not pollution tolerant

City of Hamilton Tree Species List

SECTION 2

STREET TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Maackia amurensis	Maackia	Adaptable to soil ph, full sun	Parks, street tree	Underutilized street tree
Magnolia x soulangiana	Saucer Magnolia	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen	Large variety of cultivars for both flower and form
Magnolia stellata	Star Magnolia	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen	Excellent landscape plant, several good double flowering cultivars , recommended for areas of limited space only
Nyssa sylvatica	Black Gum	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen, naturalizing	Underutilized street/landscape tree, excellent fall colour, limited commercial availability, native
Ostrya virginiana	Ironwood	Adaptable, prefers moist rich slightly acid soils, full sun/partial shade	Naturalizing (possible street tree)	Native
Phellodendron amurense	Amur Corktree	Adaptable, full sun	Parks, street tree, landscapes	Only as street tree if male selection can be made
Sophora japonica	Pagoda, Pagodatree	Adaptable, prefers moist rich soils, full sun	Urban street tree, street tree	
Sorbus thuringiana	Oakleaf Mountainash	Adaptable, prefers moist rich acid soils, full sun	Street tree	Not as susceptible to fire blight
Syringa reticulata	Japanese Tree Lilac	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Somewhat over planted , recommended for areas of limited space only over planted

City of Hamilton Tree Species List

SECTION 2

STREET TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Quercus alba	White Oak	Prefers moist rich acid soils, full sun	Naturalizing, parks, street tree, landscapes	Slow growing large tree somewhat difficult to transplant, plant only where room permits
Quercus bicolor	Swamp Oak	Prefers moist rich acid soils, full sun/ moist areas	Parks, naturalizing, riparian, street tree, landscapes	Slow growing large tree somewhat difficult to transplant preferring moist areas
Quercus coccinea	Scarlet Oak	Prefers drier sandy acid soils, full sun	Parks, street tree, landscapes	Similar in shape and form to Pin oak when young some what slower growth
Quercus francetta	Italian Oak	Prefers moist rich acid soils, full sun	Parks, street tree, landscapes, street tree, landscapes	Non native
Quercus macrocarpa	Bur Oak	Prefers sandy limestone soils, full sun, tolerant of city conditions	Naturalizing, parks, street tree, landscapes	Slow growing large tree somewhat difficult to transplant, plant only where room permits
Quercus muehlenbergii	Chikapin Oak	Prefers moist rich limestone sandy soils, full sun	Naturalizing, parks, possibly bank restoration, sandy soils, street tree, landscapes	Slow growing medium sized tree somewhat difficult to transplant, plant only where room permits
Quercus palustris	Pin Oak	Prefers moist rich acid soils, full sun, tolerant of wet soils	Naturalizing, parks, street tree, landscapes	Large tree somewhat difficult to transplant, plant only where room permits
Quercus prinus syn. Q.montana	Chestnut Oak	Prefers moist rich acid soils, full sun, tolerant of wet soils will grow in drier conditions	Naturalizing, parks, street tree, landscapes	Slow growing large tree somewhat difficult to transplant, plant only where room permits
Quercus robur	English Oak	Prefers moist rich acid soils, full sun, ph tolerant, pollution tolerant	Street tree, landscapes (pyramidal form), parks (species)	pyramidal form ideal when this shape is required (not a heavy seeder)
Quercus rubra	Red Oak	Prefers moist rich acid sandy soils, full sun, pollution tolerant	Naturalizing, parks, street tree, landscapes	Slow growing large tree somewhat difficult to transplant, plant only where room permits

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STREET TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Quercus shumardii	Shumard Oak	Adaptable, will tolerate heavy soils	Parks, naturalizing, riparian, street tree, landscapes	Slow growing Medium sized tree somewhat difficult to transplant, plant only where room permits
Quercus velutina	Black Oak	Prefers moist rich acid soils, full sun, adaptable to soil conditions	Naturalizing, parks, street tree, landscapes	Slow growing large tree somewhat difficult to transplant, plant only where room permits
Tilia cordata	Little Leaf Linden	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Good selection of cultivars
Tilia x euchlora	European Linden	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	
Tilia tomentosa	Silver Linden	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Good selection of cultivars
Ulmus glabra	Scotch Elm	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree	'Camperdownii' large graceful weeping form, underutilized
Ulmus parvifolia	Chinese Elm	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree	Underutilized street tree resistant to Dutch Elm disease
Zelkova serrata	Japanese Zelkova	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Underutilized

City of Hamilton Tree Species List

SECTION 3

PARK TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Acer nigrum	Black Maple	Prefers moist rich soils	Parks, naturalizing	Native, excellent fall colour, similar habit and growth to Sugar Maple
Acer saccharum	Sugar Maple	Prefers moist rich soils	Parks, naturalizing	Excellent tree for large open areas, not pollution tolerant, native
Acer triflorum	Three Flower Maple	Prefers moist rich soils, acid soils	Parks, landscapes, street tree	Underutilized
Aesculus x carnea	Red Horsechestnut	Prefers moist rich soils	Parks, landscapes, street tree	Should be utilized more where room permits, selected cultivars superior to species
Aesculus flava syn. A. octandra	Yellow Buckeye/ Chestnut	Adaptable to soil types (prefers acidic), wet dry tolerant	Parks	Large yellow flowering 'Buckeye' as with all chestnuts can be messy
Aesculus glabra	Ohio Buckeye	Prefers moist rich soils	Parks, naturalizing	Native
Aesculus hippocastanum	Horsechestnut	Prefers moist rich soils	Parks, street tree (sterile cultivars only)	Selected cultivars superior to species, 'Baumani' does not produce fruit
Aesculus parviflora	Bottlebrush Buckeye	Prefers moist rich soils	Understory, parks, mass plantings	Under utilized, showy when in bloom
Amelanchier canadensis	Serviceberry	Very adaptable, sun or shade	Naturalizing, parks, street tree, landscapes, planters	Several species within the genus readily available most with similar qualities, pioneer trees , recommended for areas of limited space only
Betula lenta	Cherry Birch	Adaptable, prefers moist rich soils	Naturalizing, landscapes, parks	Pioneer tree, native, least susceptible to "borer" problems
Carpinus betulus	Hornbeam	Very adaptable, prefers moist rich soils	Naturalizing, parks, street tree, landscapes, planters	Excellent landscape tree
Carya cordiformis	Bitternut Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas

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PARK TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
<i>Carya glabra</i>	Pignut Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Carya laciniosa</i>	Big Shellbark Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Carya ovata</i>	Shagbark hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Celtis occidentalis</i>	Hackberry	Adaptable, prefers moist rich soils, full sun	Urban street tree, naturalizing, landscapes, parks	Native, fast growing
<i>Cercidiphyllum japonicum</i>	Katsura	Prefers moist rich soils	Street tree, landscapes, parks	Difficult tree to establish, requires constant watering at time of planting grafted cultivar 'pendula', excellent overall landscape plant
<i>Cersis canadensis</i>	Redbud	Adaptable, prefers moist rich soils, full sun/partial shade	Landscapes, parks, planters (if sheltered), naturalizing	Native, excellent landscape woodland shrubby tree, various cultivars available, recommended for areas of limited space only or as a specimen
<i>Cladrastis lutea</i>	Yellowwood	Prefers moist rich soils, full sun	Specimen, parks	Often poor crotch formation, native
<i>Cornus florida</i>	Flowering Dogwood	Prefers moist rich acid soils, full sun/partial shade	Specimen, parks, landscapes	Flowers prior to leafing out, flower buds often suffer from frost damage, many excellent cultivars, native
<i>Cornus kousa</i>	Kousa Dogwood	Prefers moist rich acid soils, full sun/partial shade	Specimen, parks, landscapes	Flowers after leaf out, not as showy as C. Florida
<i>Coryopsis glabrescens</i>	Winterhazel	Prefers moist rich acid soils, full sun/partial shade	Specimen, parks, landscapes	One of the first plants to flower in the spring, native, should be sheltered
<i>Corylus americana</i>	Filbert /Hazel	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, naturalizing, understory	Multi-stemmed shrubby tree, native

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PARK TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Fagus grandifolia	American Beech	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, naturalizing, specimen	Will not stand compaction, prone to vandalism, native
Fagus sylvatica	European Beech	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, specimen	Excellent variety of cultivars, varying form, habit, leaf colour and leaf shape
Gymnocladus dioicus	Kentucky Coffeetree	Adaptable, prefers moist rich soils, full sun	Naturalizing, parks	Native
Halesia carolina	Carolina Silverbell	Prefers moist rich acid soils, full sun/shade	Parks, understory, landscapes	Underutilized small landscape tree
Hamamelis vernalis	Vernal Witchhazel	Adaptable, prefers moist rich soils, full sun/shade (intolerant of dry conditions)	Naturalizing, parks, landscapes, understory	Several good cultivars to choose from
Hamamelis virginiana	Witchhazel	Adaptable, prefers moist rich soils, full sun/shade (intolerant of dry conditions)	Naturalizing, parks, landscapes, understory	Native
Juglans cinerea	Butternut	Adaptable, prefers moist rich limestone soils, full sun	Naturalizing, parks	Native
Juglans nigra	Black Walnut	Prefers moist rich soils, full sun	Naturalizing, parks	Native
Juglans regia	English Walnut	Prefers moist rich soils, full sun, withstands wet root systems	Landscapes, parks	Nut production
Koelreuteria paniculata	Golden Rain Tree	Adaptable, alkaline soils, full sun	Landscapes, parks, street tree	Underutilized street tree

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SECTION 3

PARK TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Laburnum x watereri	Golden Chain Tree	Prefers moist rich well drained soils	Landscapes, parks	Short lived/disease prone, accent at water features
Liquidamber styraciflua	Sweetgum	Adaptable, prefers moist rich acid soils, full sun/light shade	Landscapes, parks, street tree	Not pollution tolerant
Liriodendron tulipifera	Tuliptree	Adaptable, prefers moist rich slightly acid soils, full sun	Naturalizing, parks	Often planted on small lots where it will become too large, can attain a height of 180' +, excellent choice for parks
Maackia amurensis	Maackia	Adaptable to soil ph, full sun	Parks, street tree	Underutilized street tree
Magnolia acuminata	Cucumbertree	Prefers moist rich slightly acid soils, full sun/partial shade	Naturalizing, parks	Difficult to transplant, native
Magnolia x soulangiana	Saucer Magnolia	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen	Large variety of cultivars for both flower and form
Magnolia stellata	Star Magnolia	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen	Excellent landscape plant, several good double flowering cultivars
Nyssa sylvatica	Black Gum	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen, naturalizing	Underutilized street/landscape tree excellent fall colour, limited commercial availability, native
Phellodendron amurense	Amur Corktree	Adaptable, full sun	Parks, street tree, landscapes	Only as street tree if male selection can be made
Platanus x acerifolia	London Planetree	Extremely adaptable, prefers moist rich soils, full sun	Urban street tree, parks, landscapes	Street tree where room permits, prone to anthracnose
Platanus occidentalis	Sycamore	Adaptable, prefers moist rich soils, full sun	Parks, naturalizing, riparian	Native, messier compared to A. x acerifolia, prone to anthracnose

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PARK TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Prunus serotina	Black Cherry	Adaptable, short lived, full sun	Naturalizing, parks	Native
Ptelea trifoliata	Hoptree	Adaptable, prefers sandy soils, full sun/shade	Naturalizing, parks, specimen	Native
Pterocarya fraxinifolia	Caucasian Wingnut	Deep moist soils, ph adaptable	Parks, specimen	Underutilized, could be an alternate host for emerald ash borer
Quercus alba	White Oak	Prefers moist rich acid soils, full sun	Naturalizing, parks	Slow growing large tree somewhat difficult to transplant, plant only where room permits ,native
Quercus bicolor	Swamp Oak	Prefers moist rich acid soils, full sun/ moist areas	Parks, naturalizing, riparian	Slow growing large tree somewhat difficult to transplant preferring moist areas ,native
Quercus coccinea	Scarlet Oak	Prefers moist rich acid soils, full sun	Parks	Similar in shape and form to Pin oak when young some what slower growth
Quercus francetta	Italian Oak	Prefers moist rich acid soils, full sun	Parks	Non native
Quercus macrocarpa	Bur Oak	Prefers sandy limestone soils, full sun, tolerant of city conditions	Naturalizing, parks	Slow growing large tree somewhat difficult to transplant, plant only where room permits ,native
Quercus muehlenbergii	Chikapin Oak	Prefers moist rich limestone sandy soils, full sun	Naturalizing, parks, possibly bank restoration, sandy soils	Slow growing medium sized tree somewhat difficult to transplant, plant only where room permits ,native
Quercus palustris	Pin Oak	Prefers moist rich acid soils, full sun, tolerant of wet soils	Naturalizing, parks	Large tree somewhat difficult to transplant, plant only where room permits ,native
Quercus prinus syn. Q.montana	Chestnut Oak	Prefers moist rich acid soils, full sun	Naturalizing, parks	Slow growing large tree somewhat difficult to transplant, plant only where room permits ,native

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PARK TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Quercus robur	English Oak	Prefers moist rich acid soils, full sun, ph tolerant, pollution tolerant	Street tree, landscapes (pyramidal form), parks (species)	Slow growing large tree somewhat difficult to transplant, plant only where room permits
Quercus rubra	Red Oak	Prefers moist rich acid sandy soils, full sun, pollution tolerant	Naturalizing, parks	Slow growing large tree somewhat difficult to transplant, plant only where room permits ,native
Quercus shumardii	Shumard Oak	Adaptable, will tolerate heavy soils	Parks, naturalizing, riparian	Slow growing Medium sized tree somewhat difficult to transplant, plant only where room permits ,native
Quercus velutina	Black Oak	Prefers moist rich acid soils, full sun, adaptable to soil conditions	Naturalizing, parks	Slow growing large tree somewhat difficult to transplant, plant only where room permits ,native
Robinia pseudoacacia	Black Locust	Prefers moist rich limestone soils, adapts to most others excluding wet	Parks	Several cultivars with potential uses as street trees
Salix alba	White Willow	Prefers moist rich moist soils, full sun	Parks, riparian	Weeping cultivars used for large parks and golf courses, ideal for large areas and waters edge

City of Hamilton Tree Species List

SECTION 4

LANDSCAPE/PLANTER TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Acer ginnala	Amur Maple	Adaptable, drought tolerant	Mass plantings, planters, road sides	Cold hardy, cultivars selection for fall colour
Acer griseum	Chinese Paperbark Maple	Adaptable (prefers moist rich soils)	Specimen, excellent landscape tree	Exfoliating cinnamon coloured bark, excellent fall colour, underutilized
Acer pensylvanicum	Striped Maple	Prefers moist rich soils, shade	Naturalization, understory, planters	Native, ornamental bark, extremely hardy
Acer tartaricum	Tatarian Maple	Adaptable, drought tolerant	Street tree, planters	Underutilized
Acer triflorum	Three Flower Maple	Prefers moist rich soils, acid soils	Parks, landscapes, street tree	Underutilized
Aesculus x carnea	Red Horsechestnut	Prefers moist rich soils	Parks, landscapes	Should be utilized more where room permits, selected cultivars superior to species
Amelanchier canadensis	Serviceberry	Very adaptable, sun or shade	Naturalizing, parks, street tree, landscapes, planters	Several species within the genus readily available most with similar qualities, pioneer trees , recommended for areas of limited space only
Aralia elata	Devil's Walking Stick	Adaptable, sun or shade	Landscapes, planters	Stems covered with prickles limiting its use
Betula lenta	Cherry Birch	Adaptable, prefers moist rich soils	Naturalizing, landscapes, parks	Pioneer tree, native, least susceptible to "borer "problems
Betula nigra	River Birch	Prefers moist rich soils, riparian	Naturalizing, landscapes	Pioneer tree, native tree
Betula papyrifera	Paper Birch	Adaptable, prefers moist rich soils	Naturalizing, landscapes	Pioneer tree, native
Betula pendula	Weeping Birch	Adaptable, prefers moist rich soils	Landscapes	Susceptible to "borer "problems
Caragana arborescens	Peashrub	Adaptable	Landscapes, planters, road sides	Extremely adaptable, cold hardy shrubby tree

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SECTION 4

LANDSCAPE/PLANTER TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
<i>Carpinus betulus</i>	Hornbeam	Very adaptable, prefers moist rich soils	Naturalizing, parks, street tree, landscapes, planters	Excellent landscape tree
<i>Celtis occidentalis</i>	Hackberry	Adaptable, prefers moist rich soils, full sun	Urban street tree, naturalizing, landscapes, parks	Native, fast growing
<i>Cercidiphyllum japonicum</i>	Katsura	Prefers moist rich soils	Street tree, landscapes, parks	Difficult tree to establish, requires constant watering at time of planting grafted cultivar 'pendula', excellent overall landscape plant
<i>Cersis canadensis</i>	Redbud	Adaptable, prefers moist rich soils, full sun/partial shade	Landscapes, parks, planters (if sheltered), naturalizing	Native excellent landscape woodland shrubby tree, various cultivars available, recommended for areas of limited space only
<i>Cornus florida</i>	Flowering Dogwood	Prefers moist rich acid soils, full sun/partial shade	Specimen, parks, landscapes	Flowers prior to leafing out, flower buds often suffer from frost damage, many excellent cultivars, native
<i>Cornus kousa</i>	Kousa Dogwood	Prefers moist rich acid soils, full sun/partial shade	Specimen, parks, landscapes	Flowers after leaf out not as showy as <i>C. florida</i>
<i>Cornus mas</i>	Cornelian Cherry	Prefers moist rich acid soils, full sun/partial shade	Landscapes	One of the first plants to flower in the spring, underutilized
<i>Coryopsis glabrescens</i>	Winterhazel	Prefers moist rich acid soils, full sun/partial shade	Specimen, parks, landscapes	One of the first plants to flower in the spring, native, should be sheltered
<i>Corylus americana</i>	Filbert /Hazel	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, naturalizing, understory	Multi-stemmed shrubby tree, native
<i>Corylus colurna</i>	Turkish Hazel	Adaptable, full sun	Urban street tree, landscapes	Very tolerant of harsh conditions
<i>Cotinus coggygria</i>	Smoketree	Adaptable, full sun/partial shade	Landscapes	Red/purple leaf cultivars available, better leaf colour in full sun

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LANDSCAPE/PLANTER TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
<i>Fagus grandifolia</i>	American Beech	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, naturalizing, specimen	Will not stand compaction, prone to vandalism, native
<i>Fagus sylvatica</i>	European Beech	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, specimen	Excellent variety of cultivars, varying form, habit, leaf colour and leaf shape
<i>Ginkgo biloba</i>	Ginkgo	Adaptable, full sun	Urban street tree, landscapes	Male plants only on streets (Females extremely messy), few pests and pollution resistant
<i>Gleditsia tricanthos</i> var. <i>inermis</i>	Honey Locust	Adaptable, full sun	Urban street tree, landscapes	Over planted street tree, only varieties that are <i>inermis</i> should be planted
<i>Halesia carolina</i>	Carolina Silverbell	Prefers moist rich acid soils, full sun/shade	Parks, understory, landscapes	Underutilized small landscape tree
<i>Hamamelis vernalis</i>	Vernal Witchhazel	Adaptable, prefers moist rich soils, full sun/shade (intolerant of dry conditions)	Naturalizing, parks, landscapes, understory	Several good cultivars to choose from
<i>Hamamelis virginiana</i>	Witchhazel	Adaptable, prefers moist rich soils, full sun/shade (intolerant of dry conditions)	Naturalizing, parks, landscapes, understory	Native
<i>Hibiscus syriacus</i>	Rose of Sharon	Adaptable, prefers Moist rich soils, full sun/light shade	Landscapes	Several good cultivars to choose from
<i>Hippophae rhamnoides</i>	Sea Buckthorn	Prefers poor sandy soils, salt tolerant	Landscapes, roadside plantings, massing	Excellent choice for poor conditions/sale spray, orange fruit is a good winter feature
<i>Hydrangea paniculata</i>	Peegee Hydrangea	Prefers moist rich well drained soil	Landscapes	Several good cultivars to choose from

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SECTION 4

LANDSCAPE/PLANTER TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Juglans regia	English Walnut	Prefers moist rich soils, full sun, withstands wet root systems	Landscapes, parks	Nut production
Koelreuteria paniculata	Golden Rain Tree	Adaptable, alkaline soils, full sun	Landscapes, parks, street tree	Underutilized street tree
Laburnum x watereri	Golden Chain Tree	Prefers moist rich well drained soils	Landscapes, parks	Short lived/disease prone, accent at water features
Liquidamber styraciflua	Sweetgum	Adaptable, prefers moist rich acid soils, full sun/light shade	Landscapes, parks, street tree	Not pollution tolerant
Magnolia x soulangiana	Saucer Magnolia	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen	Large variety of cultivars for both flower and form
Magnolia stellata	Star Magnolia	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen	Excellent landscape plant, several good double flowering cultivars
Malus sp.	Crabapples	Adaptable to most well drained soils, full sun	Landscapes, specimen	Locations where mess from fruit is not a concern, a wide array of cultivars in varying forms available (flower, fruit, bark, form)
Metasequoia glyptostroboides	Dawn Redwood	Prefers moist rich slightly acid soils, full sun	Landscapes, specimen	Landscape plant with fine needle like leaves
Nyssa sylvatica	Black Gum	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen, naturalizing	Underutilized street/landscape tree excellent fall colour, limited commercial availability, native
Phellodendron amurense	Amur Corktree	Adaptable, full sun	Parks, street tree, landscapes	Only as street tree if male selection can be made
Platanus x acerifolia	London Planetree	Extremely adaptable, prefers moist rich soils, full sun	Urban street tree, parks, landscapes	Street tree where room permits, prone to anthracnose

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LANDSCAPE/PLANTER TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Prunus cerasifera	Flowering Plum	Adaptable, short lived, full sun	Landscapes, specimen	Short lived
Prunus serrulata	Flowering Cherry	Adaptable, short lived, full sun	Landscapes, specimen	Short lived
Quercus robur	English Oak	Prefers moist rich acid soils, full sun, ph tolerant, pollution tolerant	Street tree, landscapes (pyramidal form), parks (species)	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, pyramidal form ideal when this shape is required (not a heavy seeder)
Syringa reticulata	Japanese Tree Lilac	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Somewhat over planted , recommended for areas of limited space only
Tilia cordata	Little Leaf Linden	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Good selection of cultivars
Tilia x euclora	European Linden	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	
Tilia tomentosa	Silver Linden	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Good selection of cultivars
Zelkova serrata	Japanese Zelkova	Adaptable, prefers moist rich soils, full sun, ph adaptable	Street tree, landscapes	Underutilized

City of Hamilton Tree Species List

SECTION 5

NATURALIZING TREES

<i>Botanical Name</i>	<i>Common Name</i>	<i>Cultural Requirements</i>	<i>Recommended Uses</i>	<i>Comments</i>
Acer nigrum	Black Maple	Prefers moist rich soils	Parks, naturalizing	Native, excellent fall colour, similar habit and growth to Sugar Maple
Acer pensylvanicum	Striped Maple	Prefers moist rich soils, shade	Naturalizing, understory, planters	Native, ornamental bark, extremely hardy
Acer rubrum	Red Maple, Swamp Maple	Prefers moist rich soils, will tolerate wet areas	Street tree (if room permitting), naturalizing	Selected cultivars superior to species, native
Acer saccharum	Sugar Maple	Prefers moist rich soils	Parks, naturalizing	Excellent tree for large open areas, not pollution tolerant, native
Acer spicatum	Mountain Maple	Prefers moist rich acidic soils, shade	Naturalizing, understory	Small native tree, limited ornamental features
Aesculus glabra	Ohio Buckeye	Prefers moist rich soils	Parks, naturalizing	Native
Alnus glutinosa	Alder	Very adaptable	Wet areas, naturalizing, riparian, poor soils	One of the best plants for wet areas, will tolerate 'wet feet', masses along banks relatively quickly
Amelanchier canadensis	Serviceberry	Very adaptable, sun or shade	Naturalizing, parks, street tree, landscapes, planters	Several species within the genus readily available most with similar qualities, pioneer trees
Asimina triloba	Pawpaw	Prefers moist rich soils	Naturalizing (sheltered areas), riparian	Native northern limit of hardiness
Betula lenta	Cherry Birch	Adaptable, prefers moist rich soils	Naturalizing, landscapes, parks	Pioneer tree, native, least susceptible to "borer" problems
Betula nigra	River Birch	Prefers moist rich soils	Naturalizing, landscapes, riparian	Pioneer tree, native
Betula papyrifera	Paper Birch	Adaptable, prefers moist rich soils	Naturalizing, landscapes	Pioneer tree, native
Carpinus betulus	Hornbeam	Very adaptable, prefers moist rich soils	Naturalizing, parks, street tree, landscapes, planters	Excellent landscape tree

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NATURALIZING TREES

<i>Botanical Name</i>	<i>Common Name</i>	<i>Cultural Requirements</i>	<i>Recommended Uses</i>	<i>Comments</i>
<i>Carpinus caroliniana</i>	Blue Beech	Very adaptable, prefers moist rich soils, wet areas	Naturalizing, understory, riparian	Native
<i>Carya cordiformis</i>	Bitternut Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Carya glabra</i>	Pignut Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Carya laciniosa</i>	Big Shellbark Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Carya ovata</i>	Shagbark Hickory	Prefers moist rich soils	Naturalizing, parks	All hickories are messy and best planted in low maintenance areas
<i>Celtis occidentalis</i>	Hackberry	Adaptable, prefers moist rich soils, full sun	Urban street tree, naturalizing, landscapes, parks	Native, fast growing
<i>Cersis canadensis</i>	Redbud	Adaptable, prefers moist rich soils, full sun/partial shade	Landscapes, parks, planters (if sheltered), naturalizing	Native excellent landscape woodland shrubby tree, various cultivars available
<i>Cornus alternifolia</i>	Pagoda Dogwood	Prefers moist rich acid soils, full sun/partial shade	Naturalizing, understory	Native
<i>Corylus americana</i>	Filbert /Hazel	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, naturalizing, understory	Multi-stemmed shrubby tree, native
<i>Fagus grandifolia</i>	American Beech	Prefers moist rich acid soils, full sun/partial shade	Parks, landscapes, naturalizing, specimen	Will not stand compaction, prone to vandalism, native
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	Adaptable, prefers moist rich soils, full sun	Naturalizing, parks	Native
<i>Hamamelis vernalis</i>	Vernal Witchhazel	Adaptable, prefers moist rich soils, full sun/shade (intolerant of dry conditions)	Naturalizing, parks, landscapes, understory	Several good cultivars to choose from

City of Hamilton Tree Species List

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NATURALIZING TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Hamamelis virginiana	Witchhazel	Adaptable, prefers moist rich soils, full sun/shade (intolerant of dry conditions)	Naturalizing, parks, landscapes, understory	Native
Juglans cinerea	Butternut	Adaptable, prefers moist rich limestone soils, full sun	Naturalizing, parks	Native
Juglans nigra	Black Walnut	Prefers moist rich soils, full sun	Naturalizing, parks	Native
Liriodendron tulipifera	Tuliptree	Adaptable, prefers moist rich slightly acid soils, full sun	Naturalizing, parks	Often planted on small lots where it will become too large, can attain a height of 180' +, excellent choice for parks
Magnolia acuminata	Cucumbertree	Prefers moist rich slightly acid soils, full sun/partial shade	Naturalizing, parks	Difficult to transplant, native
Malus coronaria	Wild Crab	Adaptable	Naturalizing	Limited to use do to lack of availability, course texture and superior cultivars
Morus rubra	Red Mulberry	Prefers moist rich soils, floodplains, shade	Naturalizing	Rare native tree
Nyssa sylvatica	Black Gum	Prefers moist rich slightly acid soils, full sun/partial shade	Parks, street tree, landscapes, specimen, naturalizing	Underutilized street/landscape tree excellent fall colour, limited commercial availability, native
Ostrya virginiana	Ironwood	Adaptable, prefers moist rich slightly acid soils, full sun/partial shade	Naturalizing (possible street tree)	Native
Platanus occidentalis	Sycamore	Adaptable, prefers moist rich soils, full sun	Parks, naturalizing, riparian	Native, messier compared to A. x acerifolia, prone to anthracnose
Prunus serotina	Black Cherry	Adaptable, short lived, full sun	Naturalizing, parks	Native

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SECTION 5

NATURALIZING TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
<i>Ptelea trifoliata</i>	Hoptree	Adaptable, prefers sandy soils, full sun /shade	Naturalizing, parks, specimen	Native
<i>Quercus alba</i>	White Oak	Prefers moist rich acid soils, full sun	Naturalizing, parks	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, native
<i>Quercus bicolor</i>	Swamp Oak	Prefers moist rich acid soils, full sun/ moist areas	Parks, naturalizing, riparian	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, native
<i>Quercus macrocarpa</i>	Bur Oak	Prefers sandy limestone soils, full sun, tolerant of city conditions	Naturalizing, parks	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern
<i>Quercus muehlenbergii</i>	Chinquapin Oak	Prefers moist rich limestone sandy soils, full sun	Naturalizing, parks, possibly bank restoration, sandy soils,	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, native
<i>Quercus palustris</i>	Pin Oak	Prefers moist rich acid soils, full sun, tolerant of wet soils	Naturalizing, parks	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, native
<i>Quercus prinoides</i>	Dwarf Chinquapin Oak	Adaptable to dry rocky area	Naturalizing	Limited use due to lack of availability
<i>Quercus prinus</i> syn. <i>Q. montana</i>	Chestnut Oak	Prefers moist rich acid soils, full sun	Naturalizing, parks	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, native
<i>Quercus rubra</i>	Red Oak	Prefers moist rich acid sandy soils full sun, pollution tolerant	Naturalizing, parks	The use of oaks should be limited to area for large trees and damage/mess from nut drop is not a concern, native
<i>Quercus shumardii</i>	Shumard Oak	Adaptable, will tolerate heavy soils	Parks, naturalizing, riparian	The use of oaks should be limited to area for large trees and damage /mess from nut drop is not a concern, native
<i>Quercus velutina</i>	Black Oak	Prefers moist rich acid soils, full sun, adaptable to soil conditions	Naturalizing, parks	The use of oaks should be limited to area for large trees and damage /mess from nut drop is not a concern, native

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NATURALIZING TREES

<i>Botanical Name</i>	<i>Common Name</i>	<i>Cultural Requirements</i>	<i>Recommended Uses</i>	<i>Comments</i>
Rhus typhina	Staghorn Sumac	Prefers moist rich soils adapts to most others excluding wet	Naturalizing, roadside, massing	Excellent fall colour
Salix discolor	Pussy Willow	Prefers moist rich soils, full sun	Riparian, naturalizing	
Salix nigra	Black Willow	Prefers moist rich soils, full sun	Riparian, naturalizing	
Salix pentandra	Laurel Willow	Prefers moist rich soils, full sun	Riparian, naturalizing	
Sambucus canadensis	Elder	Prefers moist rich soils, full sun	Naturalizing, understory	Shrubby tree
Sassafras albidum	Sassafras	Prefers moist rich acid soils, full sun	Naturalizing, pioneer	Pioneer
Tilia americana	Basswood	Prefers moist rich soils, full sun	Naturalizing	Somewhat weak wooded

City of Hamilton Tree Species List

SECTION 6

MISCELLANEOUS TREES

<i>Botanical Name</i>	<i>Common Name</i>	<i>Cultural Requirements</i>	<i>Recommended Uses</i>	<i>Comments</i>
Acer japonicum	Fullmoon Maple	Adaptable, prefers moist rich soils	Specimen	Similar to A. palmatum
Acer negundo	Manitoba Maple	Extremely adaptable (weedy)	None, invasive	Far too invasive, with too many other superior species available
Acer palmatum	Japanese Maple	Prefers moist rich soils	Variety of cultivars allows for multiple uses	Exceptional landscape plant, cultivars with a large variety of form habit and colour tree or shrubby tree
Acer saccharinum	Silver Maple	Adaptable to poor soils	Limited	Heavy seeder when stressed
Ailanthus altissima	Tree of Heaven	Extremely adaptable	None	Invasive, weak wooded, little practical use
Aronia arbutifolia	Chokeberry	Very adaptable, sun or shade	Massing, road sides	Shrubby tree, good highway plantings and other areas massing would be required
Carya illinoensis	Pecan	Prefers moist rich soil	Curiosity	Northern extreme of range best planted sheltered areas (micro climates)
Castanea dentata	American Chestnut	Prefers moist rich soils	None	Not recommended for planting till blight resistant strains developed
Catalpa speciosa	Catalpa	Adaptable, prefers moist rich soil	Limited	Not many ornamental features, often pollarded, tends to be messy
Crataegus oxyacantha	English Hawthorn	Adaptable, full sun	Limited	Too many disease problems
Crataegus sp.	Hawthorns	Adaptable, full sun	Limited	Too many disease problems
Elaeagnus angustifolia	Russian Olive	Adaptable, full sun	Road sides	Extremely salt tolerant, thorns, often lacks form
Euonymus europaeus	Spindletree	Adaptable, full sun/partial shade	Mass plantings	Often found from advantageous root stock from graded cultivars

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SECTION 6

MISCELLANEOUS TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
<i>Fraxinus americana</i>	White Ash	Adaptable, prefers moist rich soils, full sun	Limited	Usage to be limited with the imminent threat of the 'Emerald Ash Borer' in Southern Ontario. (This applies to all species within the genus 'Fraxinus')
<i>Fraxinus excelsior</i>	European Ash	Prefers moist rich soils	Limited	Usage to be limited with the imminent threat of the 'Emerald Ash Borer' in Southern Ontario (This applies to all species within the genus 'Fraxinus')
<i>Fraxinus pennsylvanica</i>	Red/green Ash	Adaptable prefers moist rich soils, full sun	Limited	Usage to be limited with the imminent threat of the 'Emerald Ash Borer' in Southern Ontario (This applies to all species within the genus 'Fraxinus')
<i>Fraxinus quadrangular</i>	Blue Ash	Prefers moist rich soils	Limited	Usage to be limited with the imminent threat of the 'Emerald Ash Borer' in Southern Ontario (This applies to all species within the genus 'Fraxinus')
<i>Maclura pomifera</i>	Osage Orange	Extremely adaptable	Limited, possible road side planting	Tough durable plant, fruit the equivalent size of a grapefruit extremely messy
<i>Morus alba</i>	White Mulberry	Adaptable	None, invasive	Some weeping cultivars have limited landscape use
<i>Paulownia tomentosa</i>	Princess Tree	Adaptable, prefers moist rich slightly acid soils, full sun/partial shade	Limited	Pollution and salt tolerant; very similar to Catalpa with purple flowers
<i>Populus alba</i>	White Poplar	Prefers high moisture areas	Limited (beach retention, brown fields)	Messy, weak wooded, short lived
<i>Populus x canadensis</i>	Carolina Poplar	Prefers high moisture areas	Limited (beach retention, brown fields)	Messy, weak wooded, short lived
<i>Populus deltoides</i>	Cottonwood	Prefers high moisture areas	Limited (beach retention, brown fields)	Messy, weak wooded, short lived
<i>Populus nigra var. 'italica'</i>	Lombardy Poplar	Prefers high moisture areas	Limited (beach retention, brown fields)	Messy, weak wooded, short lived

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MISCELLANEOUS TREES

Botanical Name	Common Name	Cultural Requirements	Recommended Uses	Comments
Populus tremuloides	Aspen	Prefers high moisture areas	Limited (beach retention, brown fields)	Messy, weak wooded, short lived
Pseudocarya sinensis	Quince	Sheltered, full sun	Specimen, fruit production	Limited availability
Sorbus aucuparia	European Mountainash	Adaptable, prefers moist rich acid soils, full sun	Limited	Extremely susceptible to 'fire blight ' making planting not a viable option
Ulmus americana	White Elm	Adaptable, prefers moist rich soils, full sun, ph adaptable	Limited	Dutch Elm disease and other problems have limited the use of this plant
Ulmus pumila	Siberian Elm	Adaptable, prefers moist rich soils, full sun, ph adaptable	None	Extremely invasive and weak wooded
Ulmus rubra	Slippery Elm	Adaptable, prefers moist rich soils, full sun, ph adaptable	Limited	Dutch Elm disease and other problems have limited the use of this plant